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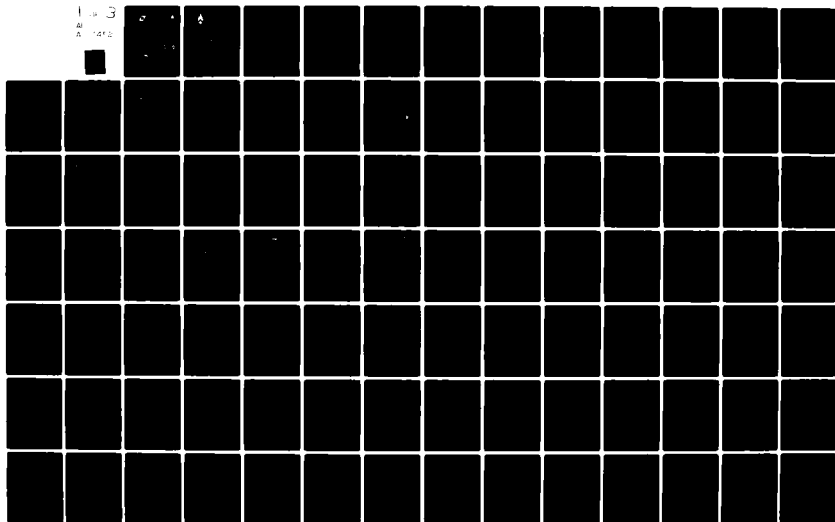
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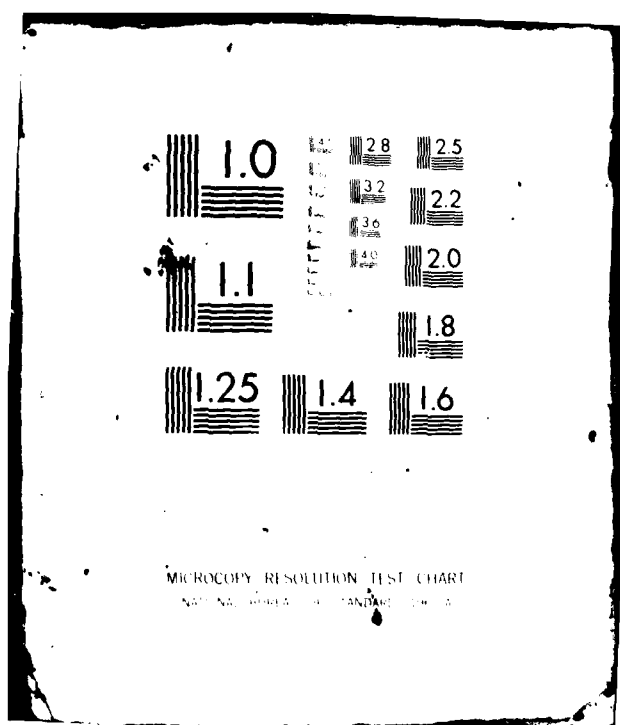
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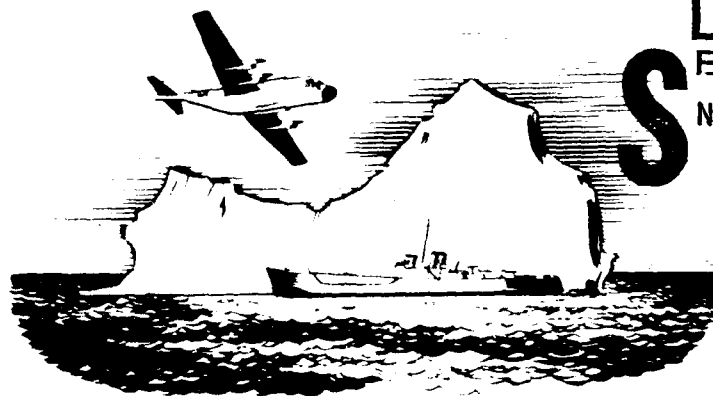
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**OCEANOGRAPHY OF  
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**March 1974–October 1974**



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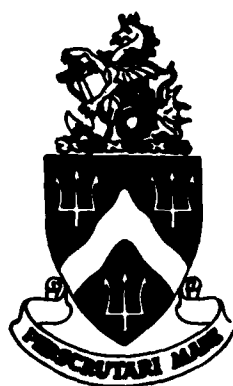
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# **OCEANOGRAPHIC REPORT**

**No. CG 373 - 74**

## **OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND**

**March 1974 - October 1974**

*Charles R. Weir*

*R. M. Hayes*

*R. Q. Robe*

*R. W. Scobie*

**July 1978**

**United States Coast Guard  
Oceanographic Unit  
Washington, D.C.**

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## ABSTRACT

Two cruises were conducted to the Grand Banks of Newfoundland during the 1974 International Ice Patrol season. The main purpose of these cruises was to assist Commander, International Ice Patrol in the prediction of iceberg drift. Direct current measurements were made in the Ice Patrol area with both subsurface current meter arrays and shipboard current meter stations. A flow onto the Grand Banks was observed in addition to the southerly flowing Labrador Current. An additional research project was completed involving the tagging of icebergs and the observation of their drift.

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## TABLE OF CONTENTS

|                                           | <i>Page</i> |
|-------------------------------------------|-------------|
| Title Page .....                          | i           |
| Abstract .....                            | iii         |
| Table of Contents .....                   | v           |
| List of Illustrations .....               | vi          |
| Oceanographic Operations .....            | 1           |
| Introduction .....                        | 1           |
| 8-15 April CGC EVERGREEN Survey .....     | 1           |
| 29 April-1 May CGC EVERGREEN Survey ..... | 1           |
| 8-16 June CGC EVERGREEN Survey .....      | 2           |
| 29 June-3 July CGC EVERGREEN Survey ..... | 2           |
| Instrumentation and Methods .....         | 2           |
| Anchored Current Meter Station .....      | 2           |
| Subsurface Current Meter Arrays .....     | 3           |
| Personnel .....                           | 3           |
| Off-Season Cruises .....                  | 3           |
| Iceberg Tagging and Drift Study .....     | 5           |
| Abstract .....                            | 5           |
| Introduction .....                        | 5           |
| Methods .....                             | 5           |
| Results .....                             | 6           |
| Discussion .....                          | 7           |
| References .....                          | 8           |
| Illustrations .....                       | 9           |
| Appendix A—Oceanographic Data .....       | 42          |

## LIST OF ILLUSTRATIONS

| <i>Figure</i>                                                                                      | <i>Page</i> |
|----------------------------------------------------------------------------------------------------|-------------|
| 1. International Ice Patrol Standard Sections . . . . .                                            | 9           |
| 2. Sea Surface Dynamic Topography 8-15 April 1974 . . . . .                                        | 10          |
| 3. Sea Surface Dynamic Topography 29 April-1 May 1974 . . . . .                                    | 11          |
| 4. Sea Surface Dynamic Topography 8-16 June 1974 . . . . .                                         | 12          |
| 5. Sea Surface Dynamic Topography 29 June-3 July 1974 . . . . .                                    | 13          |
| 6a. Anchored Current Meter Data—Top Current Meter No. 6825-03 . . .                                | 14          |
| 6b. Anchored Current Meter Data—Bottom Current Meter No. 6874-04                                   | 15          |
| 7. Subsurface Current Meter Design . . . . .                                                       | 16          |
| 8a. Current Meter Number 253. Raw Current Data . . . . .                                           | 17          |
| 8b. Current Meter Number 253. Data Smoothed for Frequencies Higher<br>than 0.5 CPH . . . . .       | 17          |
| 8c. Current Meter Number 253. Data Filtered for Frequencies Lower<br>than 0.8 CPD . . . . .        | 18          |
| 8d. Current Meter Number 253. Periodic Residuals . . . . .                                         | 18          |
| 9. Iceberg Tagging Array Design . . . . .                                                          | 19          |
| 10. Iceberg Observation Data Summary . . . . .                                                     | 20          |
| 11. Iceberg Drift Angle Data . . . . .                                                             | 20          |
| 12. Iceberg Drift Speed Data . . . . .                                                             | 21          |
| 13. Iceberg Drift Relative to Sea Surface Dynamic Topography . . . . .                             | 22          |
| 14. Temperature (°C) profile for Section A-3, CGC EVERGREEN, 8-10<br>April 1974 . . . . .          | 23          |
| 15. Salinity (‰) profile for Section A-3, CGC EVERGREEN, 8-10 April<br>1974 . . . . .              | 23          |
| 16. Temperature (°C) profile for Section A-2B, CGC EVERGREEN,<br>10-12 April 1974 . . . . .        | 24          |
| 17. Salinity (‰) profile for Section A-2B, CGC EVERGREEN, 10-12<br>April 1974 . . . . .            | 24          |
| 18. Temperature (°C) profile for Section A-2A, CGC EVERGREEN,<br>12-14 April 1974 . . . . .        | 25          |
| 19. Salinity (‰) profile for Section A-2A, CGC EVERGREEN, 12-14<br>April 1974 . . . . .            | 25          |
| 20. Temperature (°C) profile for Section A-2 mod., CGC EVERGREEN,<br>14-15 April 1974 . . . . .    | 26          |
| 21. Salinity (‰) profile for Section A-2 mod., CGC EVERGREEN,<br>14-15 April 1974 . . . . .        | 26          |
| 22. Temperature (°C) profile for Section A-2A, CGC EVERGREEN,<br>29-30 April 1974 . . . . .        | 27          |
| 23. Salinity (‰) profile for Section A-2A, CGC EVERGREEN, 29-30<br>April 1974 . . . . .            | 27          |
| 24. Temperature (°C) profile for Section SS1, CGC EVERGREEN, 30<br>April 1974 . . . . .            | 28          |
| 25. Salinity (‰) profile for Section SS1, CGC EVERGREEN,<br>30 April 1974 . . . . .                | 28          |
| 26. Temperature (°C) profile for Section A-2 mod., CGC EVERGREEN,<br>30 April-2 May 1974 . . . . . | 29          |

| <i>Figure</i>                                                                           | <i>Page</i> |
|-----------------------------------------------------------------------------------------|-------------|
| 27. Salinity (‰) profile for Section A-2 mod., CGC EVERGREEN, 30 April-2 May 1974.....  | 29          |
| 28. Temperature (°C) profile for Section A-4, CGC EVERGREEN, 9-10 June 1974.....        | 30          |
| 29. Salinity (‰) profile for Section A-4, CGC EVERGREEN, 9-10 June 1974.....            | 30          |
| 30. Temperature (°C) profile for Section A-3B mod., CGC EVERGREEN, 10-11 June 1974..... | 31          |
| 31. Salinity (‰) profile for Section A-3B mod., CGC EVERGREEN, 10-11 June 1974.....     | 31          |
| 32. Temperature (°C) profile for Section A-3A, CGC EVERGREEN, 11-12 June 1974.....      | 32          |
| 33. Salinity (‰) profile for Section A-3A, CGC EVERGREEN, 11-12 June 1974.....          | 32          |
| 34. Temperature (°C) profile for Section A-3, CGC EVERGREEN, 13-14 June 1974.....       | 33          |
| 35. Salinity (‰) profile for Section A-3, CGC EVERGREEN, 13-14 June 1974.....           | 33          |
| 36. Temperature (°C) profile for Section SS2, CGC EVERGREEN, 14 June 1974.....          | 34          |
| 37. Salinity (‰) profile for Section SS2, CGC EVERGREEN, 14 June 1974.....              | 34          |
| 38. Temperature (°C) profile for Section A-2A, CGC EVERGREEN, 14-15 June 1974.....      | 35          |
| 39. Salinity (‰) profile for Section A-2A, CGC EVERGREEN, 14-15 June 1974.....          | 35          |
| 40. Temperature (°C) profile for Section A-2 mod., CGC EVERGREEN, 15-16 June 1974.....  | 36          |
| 41. Salinity (‰) profile for Section A-2 mod., CGC EVERGREEN, 15-16 June 1974.....      | 36          |
| 42. Temperature (°C) profile for Section A2B, CGC EVERGREEN, 29-30 June 1974.....       | 37          |
| 43. Salinity (‰) profile for Section A2B, CGC EVERGREEN, 29-30 June 1974.....           | 37          |
| 44. Temperature (°C) profile for Section SS3, CGC EVERGREEN, 30 June 1974.....          | 38          |
| 45. Salinity (‰) profile for Section SS3, CGC EVERGREEN, 30 June 1974.....              | 38          |
| 46. Temperature (°C) profile for Section A3, CGC EVERGREEN, 30 June-1 July 1974.....    | 39          |
| 47. Salinity (‰) profile for Section A3, CGC EVERGREEN, 30 June-1 July 1974.....        | 39          |
| 48. Temperature (°C) profile for Section SS4, CGC EVERGREEN, 1-2 July 1974.....         | 40          |
| 49. Salinity (‰) profile for Section SS4, CGC EVERGREEN, 1-2 July 1974.....             | 40          |
| 50. Temperature (°C) profile for Section A3A, CGC EVERGREEN, 2-3 July 1974.....         | 41          |
| 51. Salinity (‰) profile for Section A3A, CGC EVERGREEN, 2-3 July 1974.....             | 41          |

# OCEANOGRAPHY OF THE GRAND BANKS REGION OF NEWFOUNDLAND APRIL-JULY 1974

CHARLES R. WEIR<sup>1</sup>

## INTRODUCTION

During 1974 Ice Patrol Season the CGC EVERGREEN (WAGO-295) conducted two oceanographic cruises near the Grand Banks of Newfoundland (Fig. 1). These studies aided Commander, International Ice Patrol (CIIP) by providing him with real-time ocean current analysis. Experiments were also conducted to study the effect of ocean currents and wind on the drift of icebergs and to measure ocean currents directly with the use of current meters.

The geostrophic component of the surface currents was computed from salinity and temperature data collected with an S/T/D Environmental Profiling System (STD). A level of no motion was assumed at 1000 meters. In water shallower than this depth, STD casts were taken as close to the bottom as practicable, normally 20 meters. All data were processed real-time aboard ship using a Digital Data Logger/Computer System and the evaluated current information was transmitted to CIIP. The method of calculating the dynamic height for each station is described by Kollmeyer, et al. (1967).

## 8-15 APRIL CGC EVERGREEN SURVEY

From 8 April to 15 April the USCGC EVERGREEN conducted a survey along Standard Sections A3, A2B, A2A, and A2 mod. (Fig. 2). Fifty-two STD stations corresponding to Ice Patrol Station numbers 11491 through 11542 were occupied. The Labrador Current can normally be found flowing along the eastern edge of the Grand Banks (Scobie and Schultz, 1976). During this survey a portion of the Labrador Current was found to be flowing easterly, south of Flemish Cap. In addition the trough, or area that separates the North Atlantic Current and the Labrador Current, was unusually wide when compared to the normal pattern. For the southerly flowing portion of the Labrador Current, the maximum surface current

was calculated to be 47.5 cm/sec between station 11495 and 11496. The volume transport between these stations was 1.56 Sverdrups. This is comparable to past April surveys. That portion of the Labrador Current flowing eastward, south of Flemish Cap has a maximum calculated current of 6 cm/sec between station 11519 and 11520. Although this was not a very strong current, it could have caused an iceberg to drift about 3 nautical miles per day.

At about 44°30'N, 45°30'W the North Atlantic Current divided into two separate patterns. The northerly arm of this warmer current was greatly intensified by the end of the month as was shown by the next survey. The maximum current velocity of the northerly area was 14.5 cm/sec between stations 11518 and 11519. Between stations 11504 and 11505 the current was calculated to be 47 cm/sec.

The volume transport of the southward flowing Labrador Current was as follows:

| Section | Volume Transport (x 10 <sup>6</sup> M <sup>3</sup> /sec) |
|---------|----------------------------------------------------------|
| A3      | 2.65                                                     |
| A2B     | 2.12                                                     |
| 2B      | 2.90                                                     |
| A2 mod. | 2.77                                                     |

## 29 APRIL-1 MAY

### CGC EVERGREEN SURVEY

During this survey Standard Sections A2A and A2 mod were completed in addition to a special section connecting these standard sections: SS1. Thirty-six STD stations consisting of Ice Patrol Stations 11547 through 11578 were occupied. The purpose of the special section was to better measure the eastward flowing Labrador Current south of Flemish Cap. As can be seen from figure 3, the current system was more complicated

<sup>1</sup> U.S. Coast Guard Oceanographic Unit, Bldg. 159-E, Navy Yard Annex, Washington, D.C. 20593.

during this survey. The northern arm of the North Atlantic Current intensified and was calculated to be flowing at 88 cm/sec between stations 11558 and 11559.

The volume transport between these two stations was 5.74 Sverdrups. The wide trough region between the southerly flowing Labrador Current and the North Atlantic Current was still apparent.

The volume transport of the Labrador Current during this survey was:

| Section | Volume Transport ( $\times 10^6 \text{M}^3/\text{sec}$ ) |
|---------|----------------------------------------------------------|
| A2A     | 5.16                                                     |
| A2 mod. | 2.50                                                     |

#### 8-16 JUNE CGC EVERGREEN SURVEY

This survey consisted of sixty-six STD stations with Ice Patrol station numbers 11579 through 11645. Sections A4, A2A, A3A, A3, A3B mod. and A2 mod. and a special section connecting A2A and A3, SS2 were occupied with a  $3\frac{1}{2}$  day delay between sections A3A and A3 for current meter operations (Fig. 4). An extra section was added between the western end of A2 and St John's, Newfoundland. Station 11649 was deleted. The most dominant feature of this survey was the cyclonic pattern centered at about  $43^\circ 30' \text{N}$   $48^\circ 30' \text{W}$ . The Labrador Current was flowing easterly south of Flemish Cap. The maximum calculated speed of the southerly flowing part of the Labrador was 44 cm/sec between stations 11609 and 11610. The North Atlantic Current was calculated to be flowing at 62.5 cm/sec between stations 11602 and 11603.

The volume transport of the Labrador Current during this survey was:

| Section  | Volume Transport ( $\times 10^6 \text{M}^3/\text{sec}$ ) |
|----------|----------------------------------------------------------|
| A4       | .07                                                      |
| A3B mod. | 2.42                                                     |
| A3A      | 1.58                                                     |
| A3       | 1.00                                                     |
| A2A      | 2.79                                                     |
| A2 mod.  | 1.31                                                     |

#### 29 JUNE-3 JULY

##### CGC EVERGREEN CRUISE

The final survey of the 1974 Ice Patrol Season was composed of Ice Patrol station numbers 11656 through 11689 taken along Standard Sections A2B, A3, and A3A (Fig. 5). Two special sections, SS3 and SS4, connected A2B to A3 and A3A to A3 respectively. A segment of the Labrador Current

continued to flow easterly, south of Flemish Cap although this part of the current was not well sampled by this survey. The maximum speed of the southerly flowing component of the Labrador Current was found between stations 11670 and 11671 to be 35 cm/sec. The maximum velocity of the North Atlantic current was found between stations 11680 and 11681 to be 75 cm/sec.

The volume transport of the Labrador Current for this final survey was:

| Section | Volume Transport ( $\times 10^6 \text{M}^3/\text{sec}$ ) |
|---------|----------------------------------------------------------|
| A2B     | 3.34                                                     |
| A3      | 2.51                                                     |
| A3A     | 1.44                                                     |

#### INSTRUMENTATION AND METHODS

A Plessey Environmental Profiling System (STD) Model 9040 was used in conjunction with a Sonycraft, Inc. (Chicago, Illinois) Digital Data Logger (DDL), a Kennedy Co., Inc. 1600R tape recorder (Altadena, California) and a DDP-516 Honeywell Computer. For a further description of this processing scheme see Rosebrook (1974), Morgan, et al. (1976) or Hayes (1978).

Deep-sea reversing thermometer and salinity samples from Nansen bottles were compared with the STD values at maximum cast depth. The salinity of the Nansen cast samples was determined with an inductive salinometer. The STD values varied from these quality control values by  $-.07$  to  $+.01^\circ \text{C}$  in temperature and  $-.40$  to  $+.08\%$  in salinity.

#### ANCHORED CURRENT METER STATION

To formulate an idea of the actual Eulerian currents encountered along the Grand Banks, current meter measurements were made. From 2011Z on 27 April to 2111Z on 28 April 1974 the CGC EVERGREEN was anchored in 102 meters of water at position  $45^\circ 36.8' \text{N}$ ,  $48^\circ 33.4' \text{W}$ . During this time two Hydro Products current meters, Model No. 502 were lowered over the side on the end of the STD cable. These meters recorded on strip charts current speed, current direction and sea water temperature once every 30 seconds. These meters were set such that they were to be 75 meters and 25 meters from the bottom. To determine the effect of the ship's motion on the current meters, records were kept of the ship's heading. The wire angle at the surface was recorded hourly along with weather conditions. At 1500Z on 28 April the current meter wire became fouled on the

anchor cable. This led to a wire angle of 50° which affected the depth of the meters to an unknown extent, although they continued to operate. The current meters were successfully recovered at the end of the experiment. The results are shown in figure 6. In this figure the tangential and normal components are oriented with the isobaths with the normal component in a direction of 140°T and the tangential component in a direction of 050°T. With such a short observational record it is difficult to analyze the current. However, it is important to note the high velocity of the normal component starting at 1500Z on the 28th. Calculations of the currents from oceanographic stations do not show this current.

#### **SUBSURFACE CURRENT METER ARRAYS**

In 1974, three current meter arrays were deployed in the Ice Patrol area. Figure 7 illustrates the array design used on these deployments. Depths represent the shipboard fathometer readout and were not corrected for the actual speed of sound.

The first array was deployed in position 44°42.7'N, 48°54.9'W in 1344 meters. The CGC EDISTO (WAGO-284) was the deployment platform with LCDR A. H. LITTEKEN, Jr. on board as Field Party Chief. The array was streamed from the forecable using the anchor last method. The two EG&G Model 850 current meters were switched on at 1845Z 11 February 1974 and the array was set at 1945Z 11 February 1974. With this depth of water, current meter number 253 would have been 794 meters below the surface and current meter number 229 would have been 1294 meters below the surface. This array was retrieved on 8 April 1974 by the CGC EVERGREEN (WAGO-295). Current meter number 253 had 16 days of good data. Current meter number 229 contained no usable data since the compass readings were all zeros. The plot of the data from 253 is shown in Figure 8.

The second array was deployed by the CGC EVERGREEN in position 44°42.6'N, 48°58.0'W in 1124 meters. Current meter number 252 was set 661 meters below the surface and was switched on at 1750Z on 8 April 1974. Current meter number 301 was set 1092 meters below the surface and was switched on at 1801Z 8 April. The array was retrieved by the CGC EVERGREEN on 12 June 1974. Unfortunately, neither current meter produced usable data. The tape did not advance on 252 and the speeds read all zero on 301.

The third array was deployed by the CGC EVERGREEN on 13 June 1974 in 1131 meters of water in position 44°41.7'N 48°55.0'W. Current meter number 254 was set 560 meters below the surface. Current meter number 300 was set 1071 meters below the surface. This array was also streamed from the buoy deck using the anchor last method. The anchor was let go at 0435Z 13 June 1974. This array was recovered by the CGC EVERGREEN at 1730Z on 12 April 1974. The tape on current meter number 254 was unreadable. The record on current meter 300 at first appeared to contain good data. However, further processing showed that this record could not be interpreted.

#### **PERSONNEL**

##### **IIP 1-74, Phase I**

LCDR A. H. Litteken, Jr.—Field Party Chief  
Mr. R. M. Hayes—Asst. Field Party Chief  
LTJG D. T. Jones  
MST1 B. R. Peters  
MST1 M. F. Alles  
ET2 W. S. Krug

##### **Phase II**

Mr. R. M. Hayes—Field Party Chief  
LTJG D. T. Jones—Asst. Field Party Chief  
MST1 B. R. Peters  
MST1 M. F. Alles  
MST2 R. H. Schultz

##### **IIP 2-74, Phase I and II**

LCDR R. W. Scobie—Field Party Chief  
MSTC W. E. Heller—Asst. Field Party Chief  
ETC W. T. Lewis (Phase I only)  
MST1 B. R. Peters (Phase II only)  
MST1 M. F. Alles (Phase II only)  
MST3 J. S. Small  
MST1 J. H. Campbell, Jr.  
ET3 L. A. Haney

#### **OFF-SEASON CRUISES**

Data from off-season cruises were sent to Commander, International Ice Patrol for his use in predicting the coming Ice Patrol season. The CGC CHASE occupied Standard Section A2 in March 1974. The CGC SHERMAN occupied Standard Section A4 in October 1974. These data follow the CGC EVERGREEN data.

#### **DATA**

The data presented in the Tables of Oceanographic Data are from the listings provided by the National Oceanographic Data Center (NODC), Washington, D.C. Standard and significant values were computed by the Oceanographic Unit and submitted to NODC (NODC Cruise No. 31-8370.)

## ICEBERG TAGGING AND DRIFT STUDY, INTERNATIONAL ICE PATROL CRUISES 1974

R. M. HAYES<sup>1</sup>  
R. Q. ROBE<sup>2</sup>  
R. W. SCOBIE<sup>1</sup>

### ABSTRACT

Iceberg tagging and drift experiments were conducted near the Grand Banks of Newfoundland in April and June 1974. Results of these experiments, which were an attempt to tag icebergs by encircling them with a floated line with RDF transmitters for relocation and identification, show that this method is not feasible. During storms the line parted from both strain and chafing. When weather was fair the iceberg would work free of the line circle, probably by rolling over or under the line and out of the circle.

Average iceberg drift speeds vary from 10.3 cm/sec to 56.5 cm/sec. The average drift angle with respect to the wind direction varies from 21° to the left to 92° to the right. When in the high velocity core of the Labrador Current, iceberg drift is predominantly controlled by the current. In the area of weak current, iceberg drift is determined by wind drag on the subaerial portion and by water drag on the subsurface portion. The resultant drift of an iceberg with respect to the wind is an important input to an iceberg drift model, and experimental methods for predicting this wind drift effect are discussed.

### INTRODUCTION

During the 1974 Ice Patrol season the Coast Guard Research and Development Center and the Coast Guard Oceanographic Unit conducted an iceberg drift project aboard the CGC EVERGREEN. This project provided average drift vectors for six icebergs in the Grand Banks of Newfoundland area over a period of three to six days. The results were forwarded to Commander, International Ice Patrol (CIIP). Comparisons were then made by IIP between the observed drift values and those predicted by computer model. Icebergs were tagged to allow for the surveillance

of a number of bergs distributed over an area of up to 300 square miles. This also assured positive identification upon subsequent visits to obtain position fixes. In the past, attempts have been made to mark icebergs using dye; however, iceberg melting, rain, wave action, and iceberg rolling often caused the dye patches to be washed away. The complications of tagging a berg for future recognition center around the dynamic nature of an iceberg.

Icebergs near the Grand Banks often deteriorate rapidly. An iceberg's rate of decay is a function of its environment and internal structure. Deterioration is hastened by warm sea and air temperatures, as well as by rough seas. Rivulets of melting water may be seen cascading down the sides of some icebergs creating large channels on the surface and often collecting in pools in the basin areas. Others of the drydock variety have wave-cut embayments which concentrate wave forces and speed deterioration. Large chunks of ice often calve from icebergs to accelerate their destruction. Instabilities, which result from deterioration, cause icebergs to pitch and yaw and in severe cases to roll over completely. In consequence of these dynamic changes, it has been very difficult to put anything on, or attach any device to, an iceberg that would remain in position long enough to give positive identification over a significant time interval (i.e., about 5-7 days).

### METHODS

During the International Ice Patrol 1974 season a method was tested for location redetermination and differentiation of icebergs used in drift studies

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near the Grand Banks region. The bergs were surrounded by an array of floats (styrofoam cylinders) connected by buoyant line (polypropylene,  $\frac{3}{8}$ " diameter). The length of this line varied from 400m to 800m depending upon the size of the iceberg. A spar-type, buoyant RDF transmitter (Finders Buoy, Ocean Applied Research Corporation) was included in the line circle. One hundred and eighty degrees from the transmitter was a spar buoy with either a radar reflector for electronic detection and/or red flags for visual detection (Fig. 9).

Each RDF transmitter had a different transmission frequency to permit positive identification independent of visual observation. The buoys were located with an automatic direction finder (Ocean Applied Research Corporation manufacturer) mounted on the bridge of the CGC EVERGREEN. The antenna for this system was secured to the railing just forward of the bridge. Early attempts at locating the RDF transmitters using handheld receiving sets were frustrated by the apparent omnidirectionality of the signal at ranges closer than 3700m as well as directional ambiguity at greater distances.

The tagging arrays were deployed from the CGC EVERGREEN during April and June of 1974. This was accomplished by casting off a spherical float attached to one end of the line. The ship circled the iceberg playing out the line until the float could be recovered. The two ends of the line, each having eye splices and thimbles, were joined together with a shackle. The tethering ring of the RDF spar buoy was attached to the shackle and placed in the water. The iceberg, thus encircled, carried along its array as it drifted.

During the first cruise (April/May 1974) the iceberg tagging project was plagued with the difficulty of locating suitable icebergs for tagging (i.e., small enough to tag) in the survey area. After three had been successfully deployed, all were carried from the icebergs during a storm which lasted two days. Winds reached 19.5 m/sec, and seas increased to 5 meters. Only one of these arrays was eventually recovered. The line on the recovered array was broken in two places. One break appeared to be the result of chafing. The other break occurred with such force that the ends of the polypropylene strands were fused together. In this case there was no sign of chafing. Because of these problems, little useful data were obtained on this cruise.

More favorable weather for iceberg tagging prevailed during the second cruise (June/July 1974). Therefore, the CGC EVERGREEN, using similar arrays was able to track several icebergs in dense fog for nine days.

#### ICEBERG DRIFT RESULTS

The drift of the six icebergs was determined for the time between observations as often as possible during the period 20/0911Q to 29/0138Q June 1974. Individual icebergs were tracked from 1.6 to 4.8 days. Wind velocities were logged hourly by the CGC EVERGREEN's bridge watch. All icebergs tracked during the experiment were located in the area bounded by 44°30'N to 47°30'N and 47°00'W to 48°30'W. Air temperatures during the iceberg tagging project ranged from 3.9°C to 9.4°C with an average about 6.4°C. The surface sea water temperature for the same period ranged from 1.1°C to 10.6°C with an average about 3.9°C. The weather was predominantly overcast with fog and visibility typically less than 100 yards for the entire drift survey. The sea state was moderate to calm. The data from observations taken during the second Ice Patrol cruise of 1974 are summarized in figure 10.

The vector-averaged drift for the icebergs varied from 0.2 knts for iceberg No. 1 to 1.1 knts for iceberg No. 6. The average drift speed to average wind speed ratios ranged from .016 to .085. An expendable surface current probe (EOTECH Corporation) was deployed in the van of iceberg No. 6 and measured a surface current of 1.23 knts, setting at 193°T. This compared to the iceberg drift of 1.1 knts at 212°T. The wind was 13.5 knts from 319°T.

The drift angle for the individual icebergs with respect to the wind direction had a large range of standard deviations from  $\pm 18^\circ$  to  $\pm 81^\circ$ . Furthermore, a number of observations (14%) indicated drift angles to the left of the wind. Ette (1974) had iceberg drift data from past Ice Patrol cruises that gave a range of standard deviations for drift angles from  $\pm 54^\circ$  to  $\pm 104^\circ$ .

The frequency distributions of the individual drift angles and drift speed: wind speed ratios (Fig. 11 and Fig. 12) for the 1974 drift data, reveal the fact that the majority of the drift angles occur to the right of the wind direction as expected in the Northern Hemisphere; however, the distribution of drift angles is continuous from 20° to 130°. The range extends from -116° to +180°, virtually all quadrants of the compass. The one iceberg (No. 1)

which had a resultant drift angle to the left of the wind was observed in a area of very weak geostrophic currents that flowed opposite to the wind direction. No truly dominant mode is evident from the frequency distributions, but the greatest number of observations fell in the 80° to 90° and 100° to 110° classes.

Likewise the distributions of drift ratio frequencies is rather even throughout the range of 0.008 to 0.132. Again no dominant mode can be observed.

Since the measured wind speed varied merely between 10 and 20 knots during the drift study, no attempt was made to order the wind drift angles and ratios by wind speed class.

#### DISCUSSION

Smith (1931) addressed the subject of current and wind control drift of icebergs and considered the primary forces responsible for iceberg drift to be gradient currents and wind. He concluded that the resultant drift is dependent upon the degree to which these factors combine. In turn the relative influence of each controlling force is determined by the proportion above and below the surface at which the iceberg floats, the velocity and duration of the wind, and the velocity and depth of the gradient current. For the majority of icebergs the effect of wind is least when there is a strong slope or gradient current present, and maximum when it is weak. The exceptions to this are the fantastically shaped icebergs in their last stages of decay which are winged or pinnacled so that they offer considerable surface area for drag and lift.

Icebergs which drift along the continental slope, such as the ones studied during the 1974 Ice Patrol, come under the influence of the Labrador Current. This appears evident from the south-southwesterly drift of these icebergs (Fig. 13).

The only exception was iceberg No. 1 which was tracked in a region of low current west of the mainstream of the Labrador Current, and in shallow water of 165 meters. For the majority of these icebergs, then, the resultant drift is controlled by the geostrophic current in the area; whereas, the angle of the drift with respect to the wind is a consequence of the time dependent relationship between the relative drag force vectors of the net vertical current shear acting upon the submerged portion of the iceberg, and the wind drag on the above surface portion of the iceberg. Since the iceberg is affected by both air and water, there are two drag terms. If these drag coefficients are determined from the experimental data, then for a given wind velocity, the velocity of the wind

driven surface current and the velocity of the iceberg could be calculated by integrating the drag forces over a time period necessary to reach equilibrium. The Coriolis force works in concert with the other forces, of course, to determine the resultant drift, but varies only with latitude and velocity. A small force associated with the slope of the sea surface must be considered as it tends to move the iceberg downhill. To predict iceberg drift these forces must be known or at least accurately approximated.

Since the parameters routinely measured during Ice Patrol are wind velocity and geostrophic current, some attempt must be made to use these data for iceberg drift prediction. To do this, accurate estimates of the unknown forces must be made. Efforts have been made for many years (Smith, 1931; Budinger, 1960; Kollmeyer, 1965; and Ettle, 1974) to characterize the effect of oceanic forces on iceberg drift. Although each study contributed a share to the understanding of the interactions of the motive forces, none contained all the data necessary to specify the predicted drift. Furthermore, accurate iceberg tracking was handicapped by a lack of precise navigational equipment. The advent of satellite navigation has provided the necessary position determining accuracy. The 1974 Ice Patrol iceberg tagging experiment had as a goal the statistical sampling of several iceberg drifts and did not obtain all the necessary force measurements either.

To improve the U.S. Coast Guard Ice Patrol's iceberg drift prediction capabilities, two complimentary projects are being undertaken to quantify the wind effect on icebergs. The first of these is a statistical survey of iceberg dimensions in an effort to relate the above surface area to the submerged area. If, as Smith (1931) believed, there is a characteristic ratio of height to draft (and perhaps area) for each type of iceberg, then the form drag might be defined for a given type of berg.

The second project entails a concentrated effort on a smaller number of icebergs using two vessels for the simultaneous measurement of iceberg drift, wind velocities, velocities of drogues designed to integrate the current over a known depth, and geostrophic current velocities.

It is hoped that these studies together will provide the data base for a statistical determination of wind effect drift angles and speed ratios for icebergs classified by their characteristic shape, and for wind speed classes.

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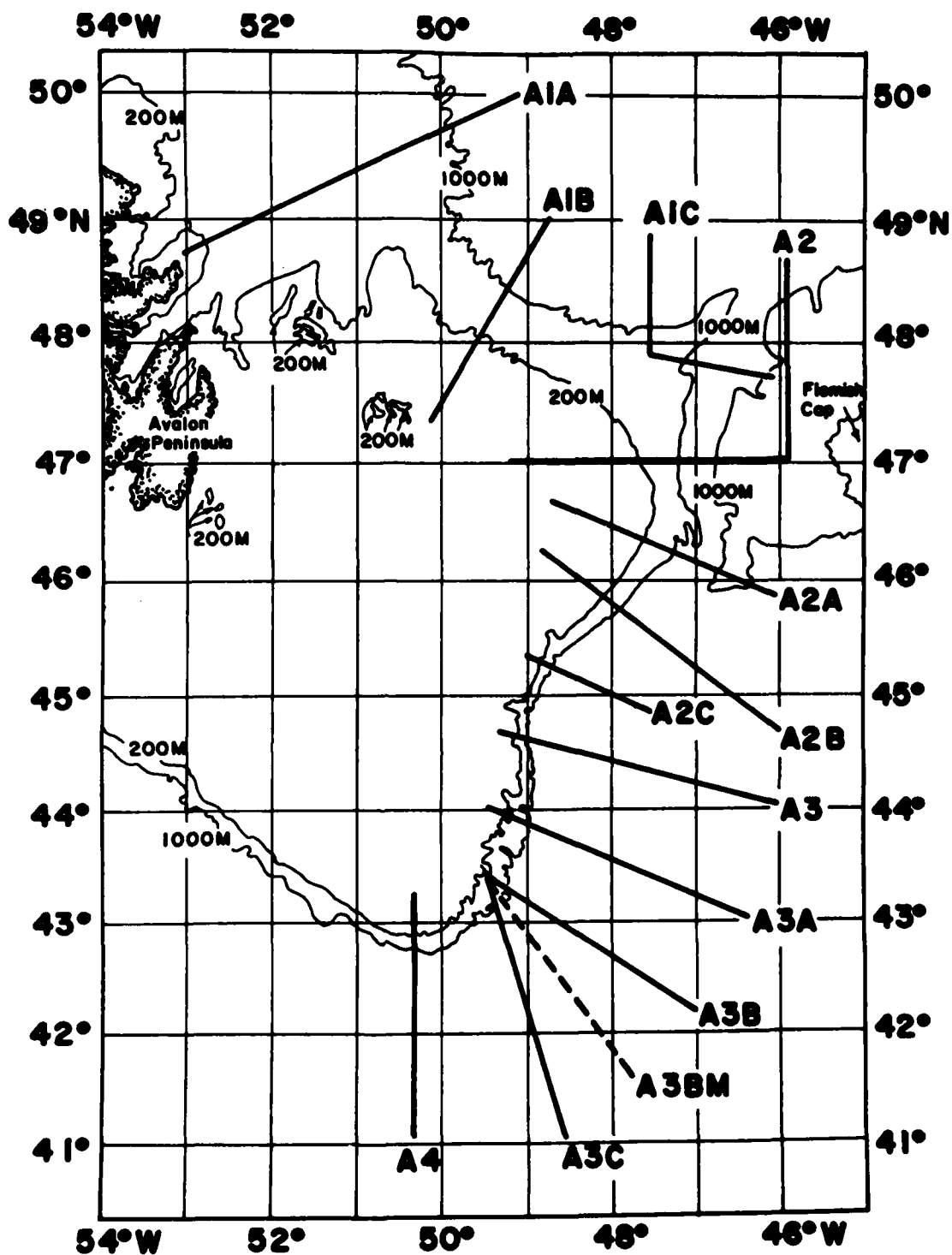


FIGURE 1. Standard International Ice Patrol Sections.

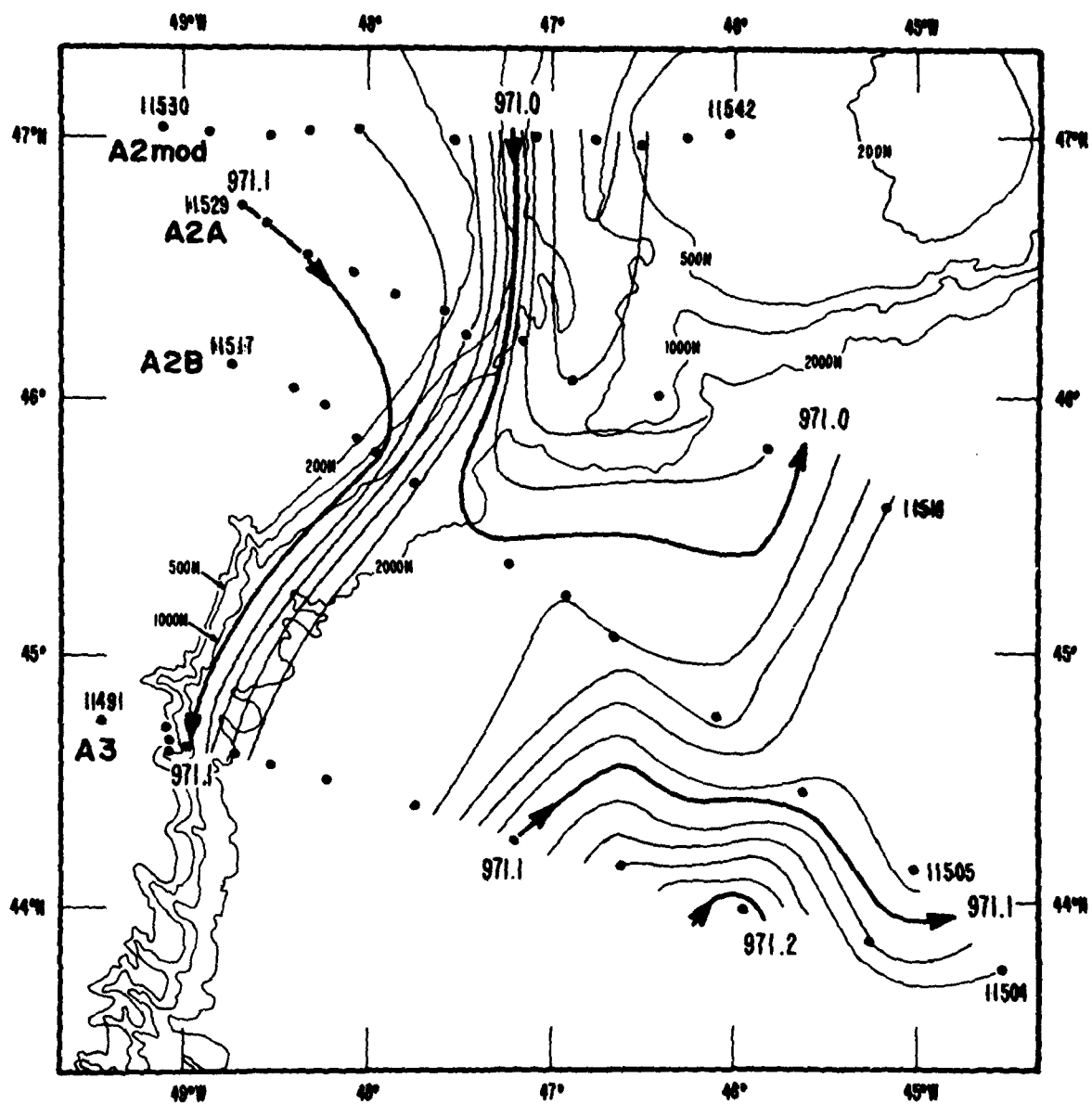


FIGURE 2. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 8-15 April 1974. Contour interval is 2 dynamic centimeters. Oceanographic station numbers are given at turning points.

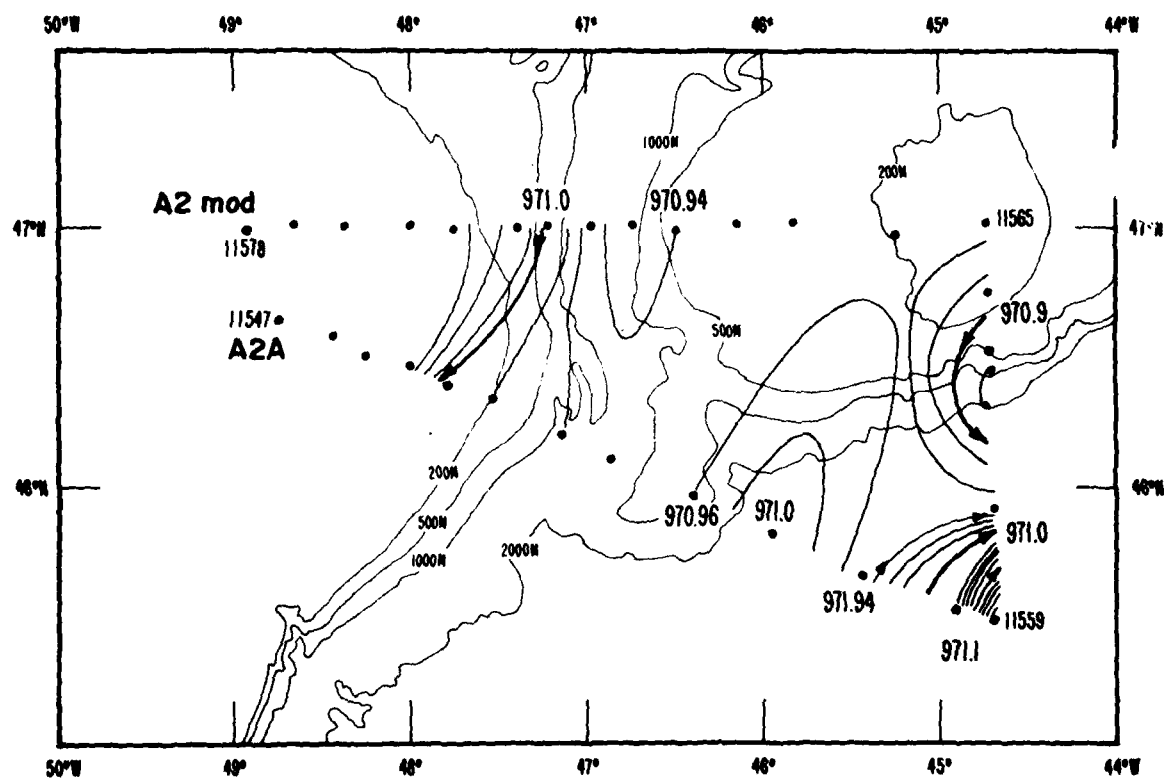


FIGURE 3. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 29 April-1 May 1974. Contour interval is 2 dynamic centimeters. Oceanographic stations position are indicated and the station numbers are given at turning points.

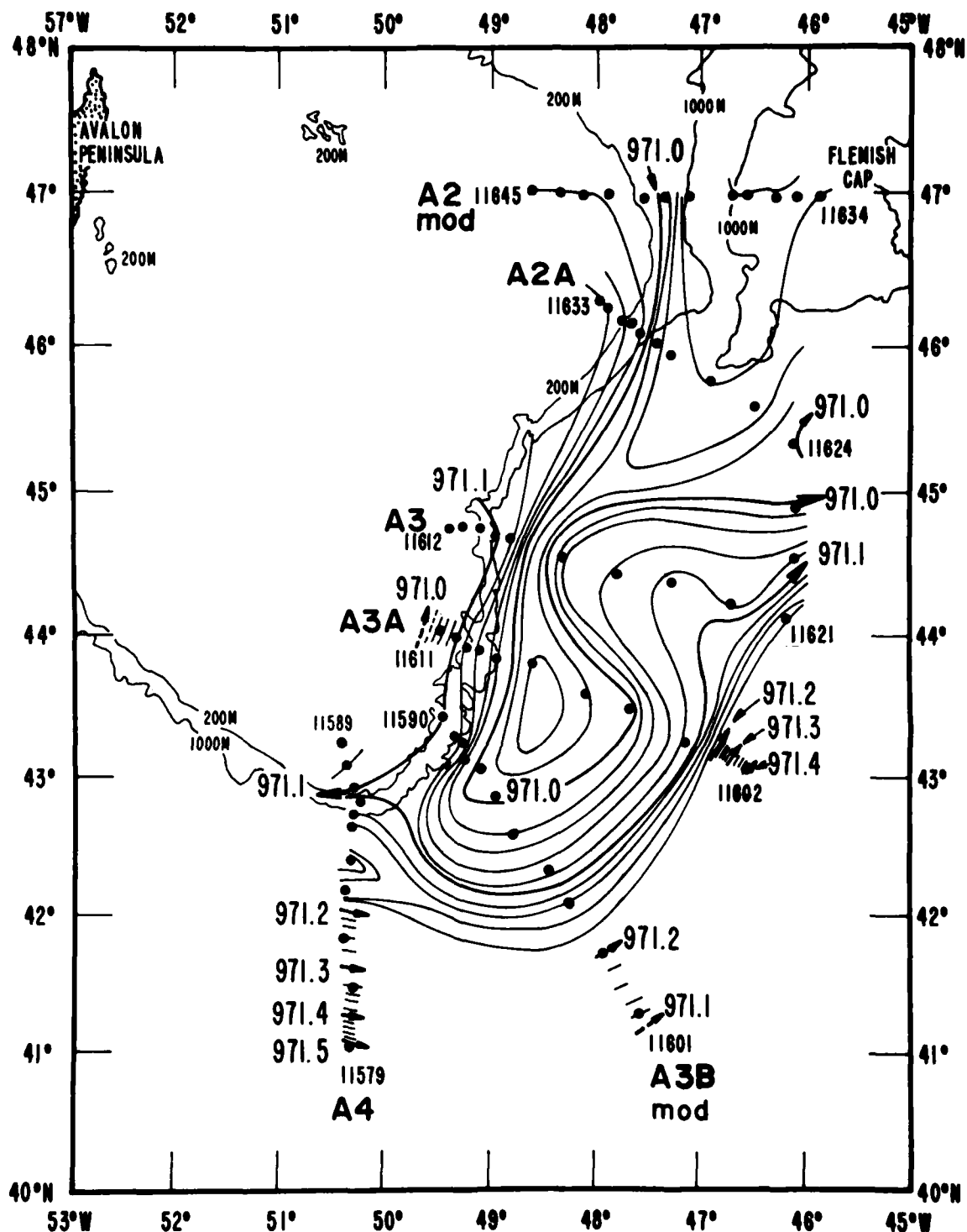


FIGURE 4. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 8-16 June 1974. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers are given at turning points.

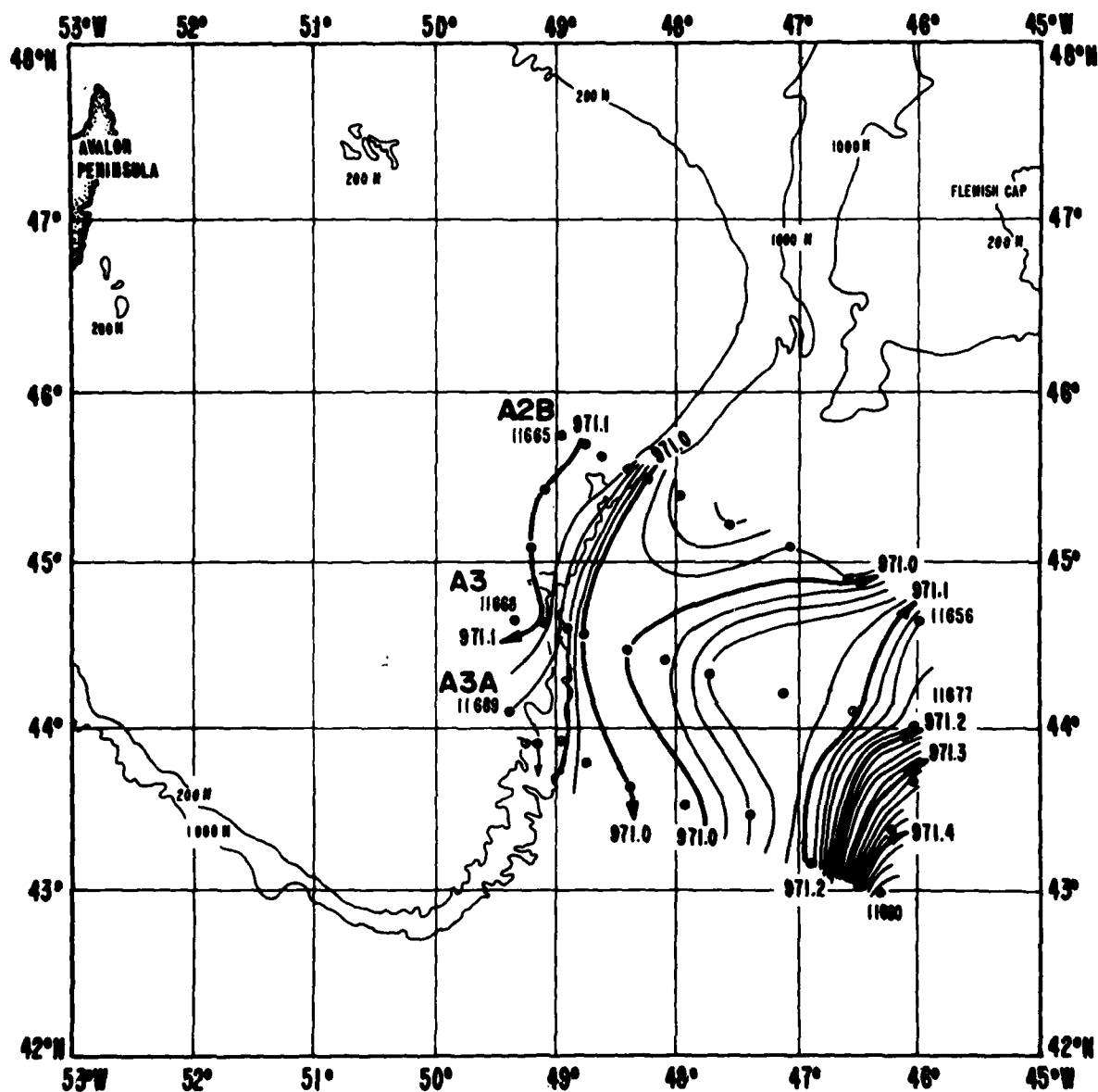
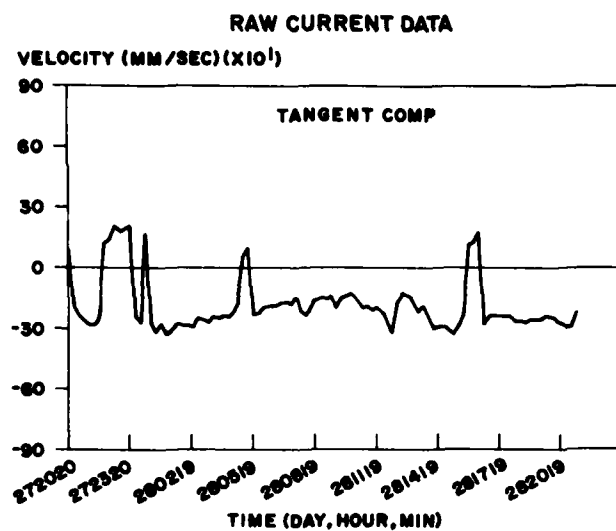


FIGURE 5. Sea surface dynamic topography (dynamic meters) relative to the 1000 decibar surface, from data collected by CGC EVERGREEN, 29 June-3 July 1974. Contour interval is 2 dynamic centimeters. Oceanographic station positions are indicated and the station numbers are given at turning points.



**CURRENT DATA SMOOTHED FOR  
FREQ. HIGHER THAN 0.5 CPH**

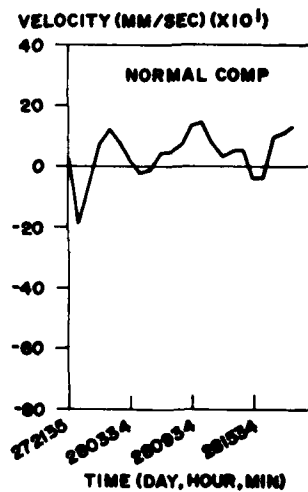
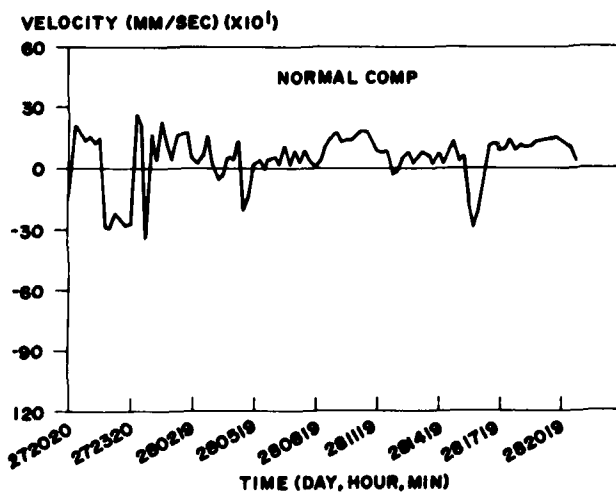
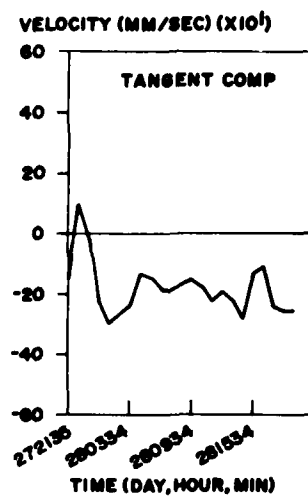
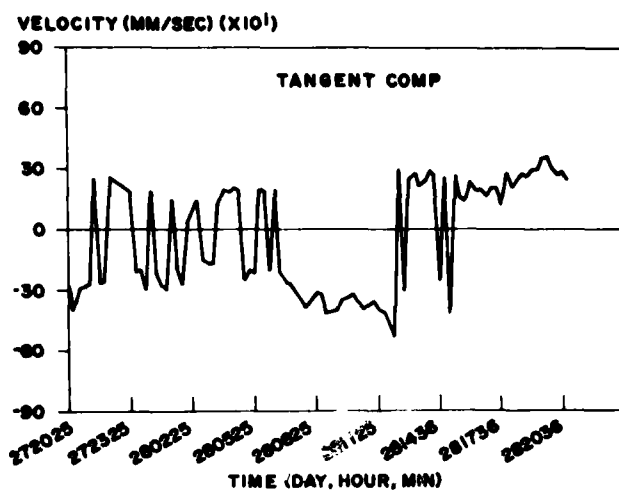


FIGURE 6a. Anchored current meter data taken in position  $45^{\circ}36.8'N$ ,  $48^{\circ}33.4'W$  by the CGC EVERGREEN, 27-28 April 1974. Top current meter.

# RAW CURRENT DATA



# CURRENT DATA SMOOTHED FOR FREQ. HIGHER THAN 0.5 CPH

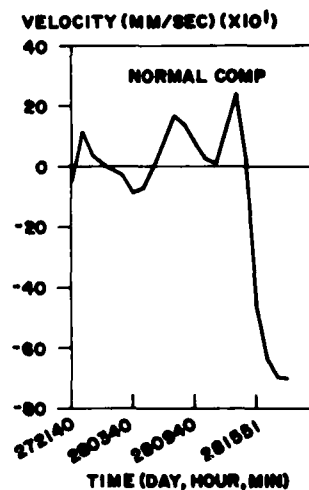
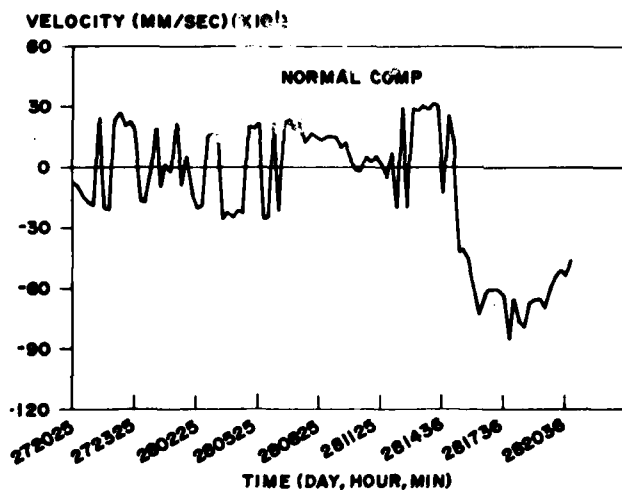
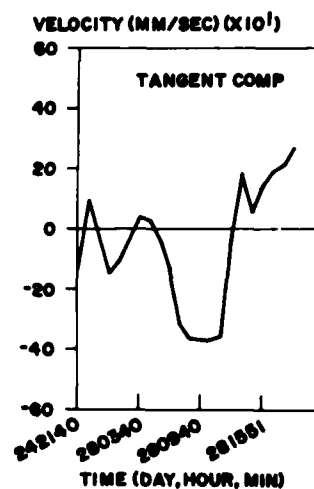


FIGURE 6b. Anchored current meter data taken in position 45°36.8'N, 48°33.4'W by the CGC EVERGREEN, 27-28 April 1974. Bottom current meter.

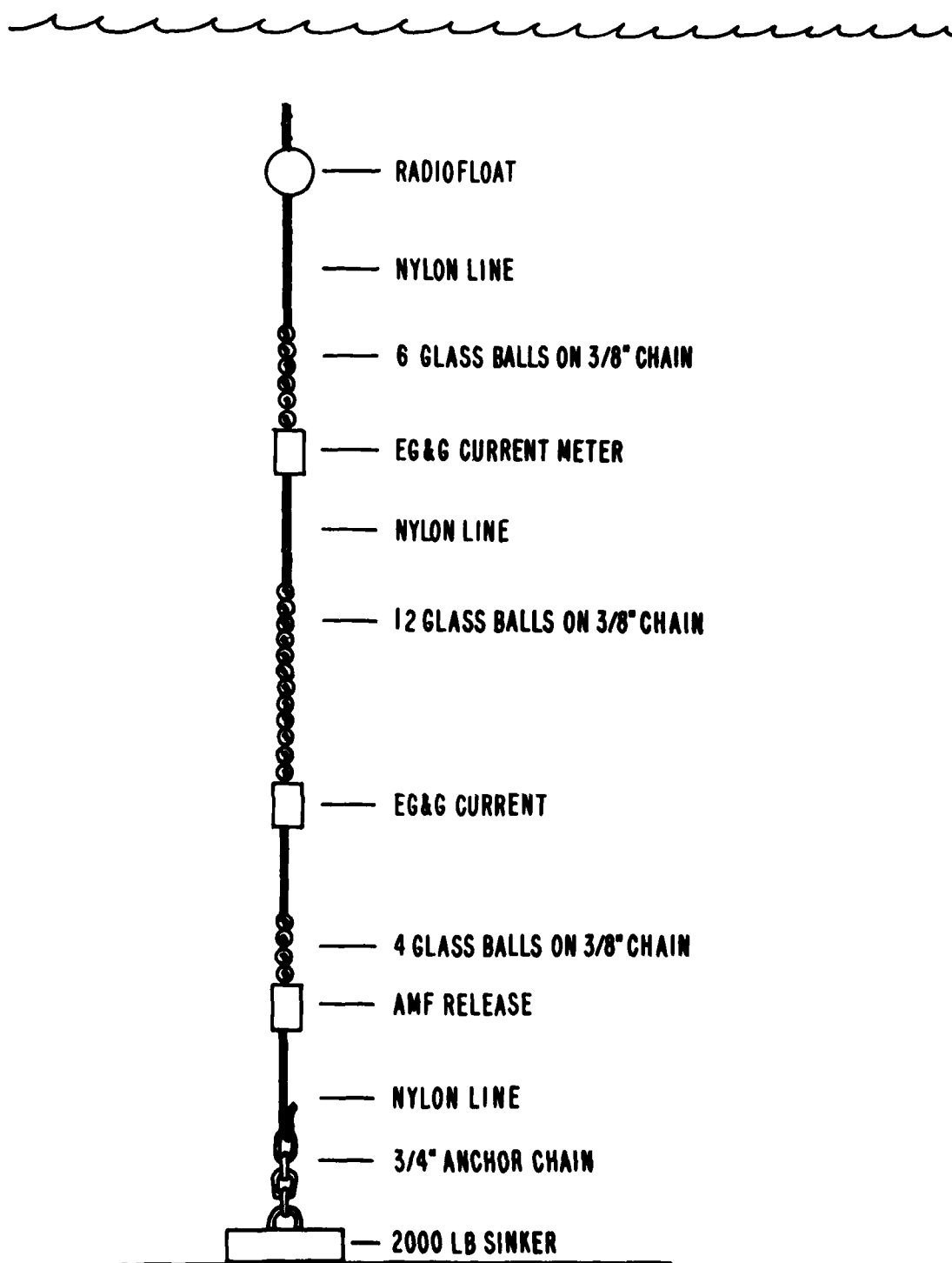


FIGURE 7. Design employed for subsurface current meter measurements, IIP-1974.

## RAW CURRENT DATA

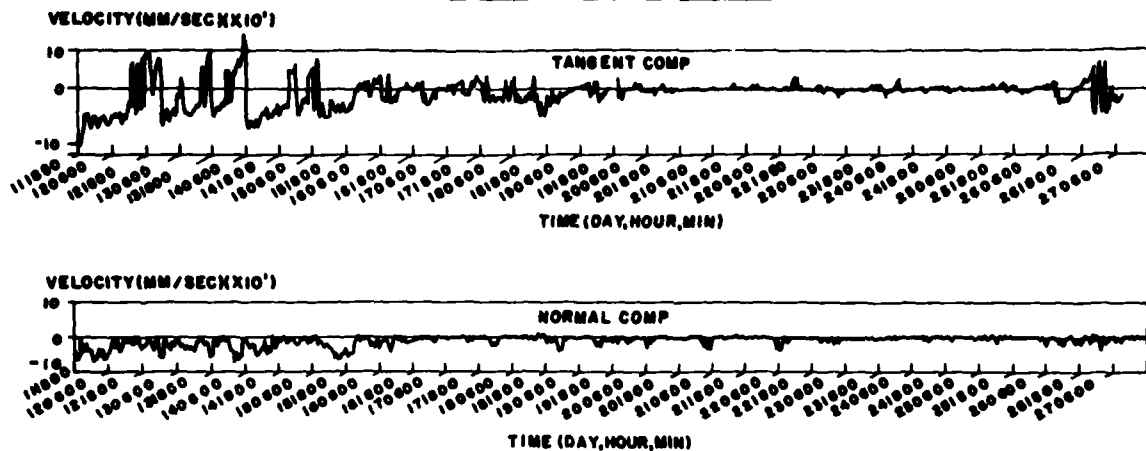


FIGURE 8a. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7'N, 48°54.9'W. Raw current data.

## CURRENT DATA SMOOTHED FOR HIGHER THAN 0.5 CPH

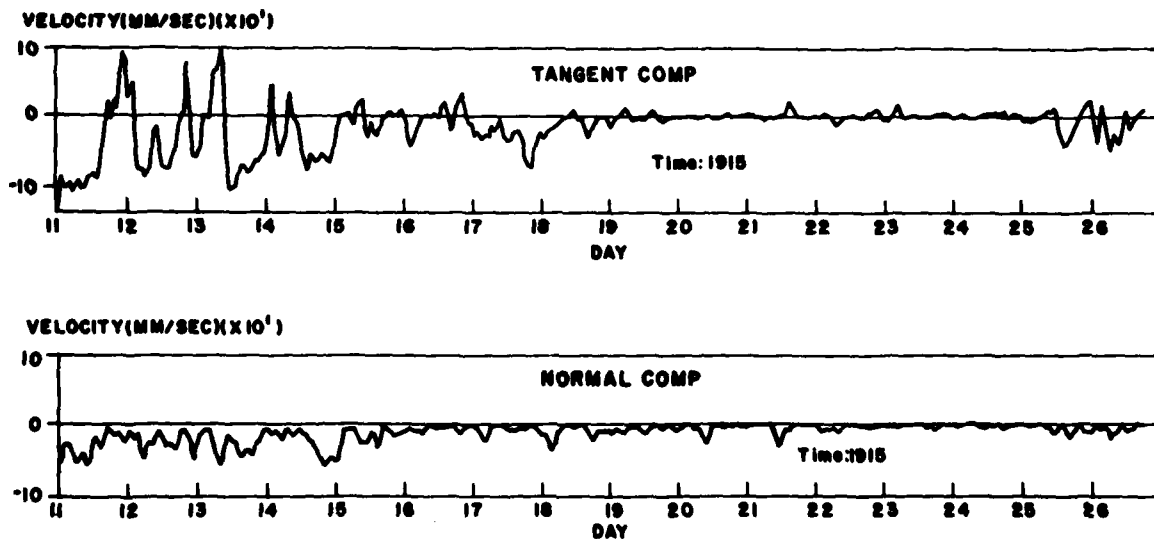


FIGURE 8b. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7'N, 48°54.9'W. Current data has been smoothed to remove frequencies higher than 0.5 CPH.

**SMOOTHED DATA FILTERED FOR FREQ.**  
**LOWER THAN 0.8 CPD**

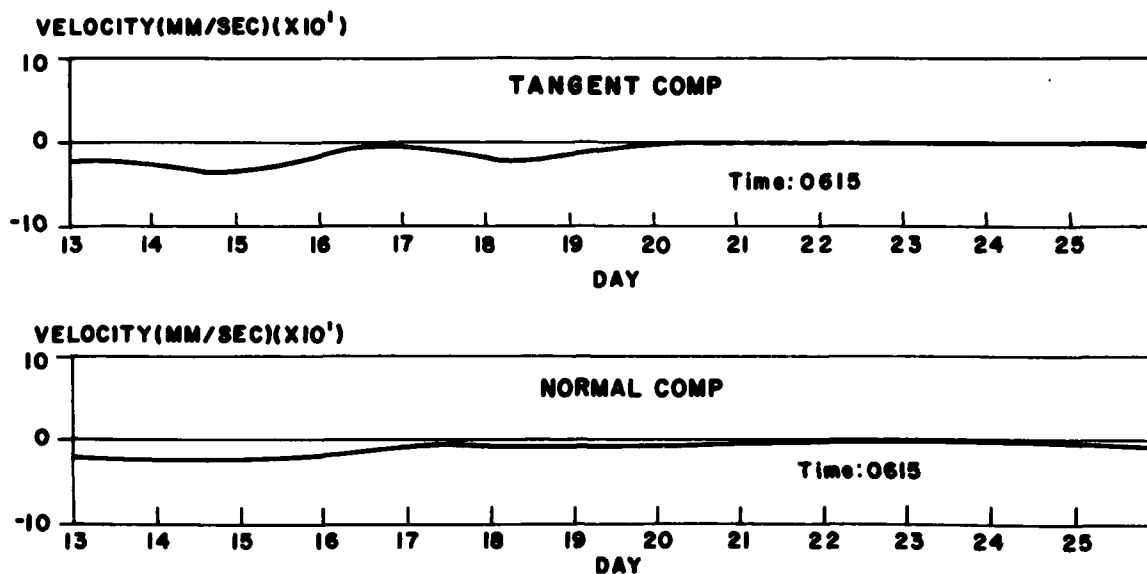


FIGURE 8c. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7'N, 48°54.9'W. Current data has been filtered to obtain frequencies lower than 0.8 CPD.

**PERIODIC RESIDUALS**

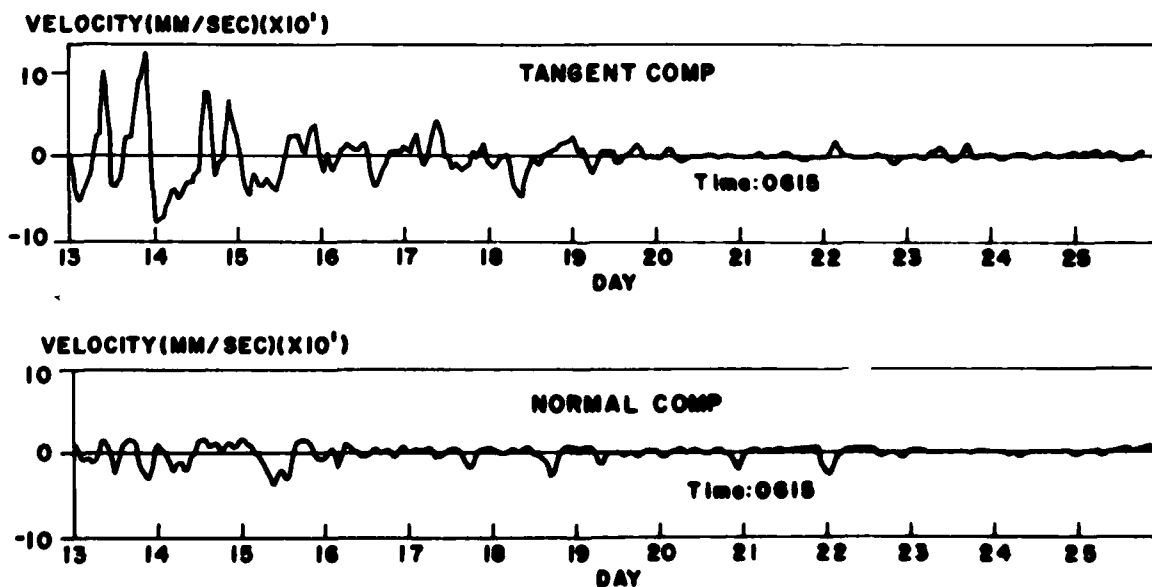


FIGURE 8d. Data obtained from EG&G Model 850 current meter, No. 253. Depth of current meter was 794 meters below the surface in position 44°42.7'N, 48°54.9'W. Periodic Residuals.

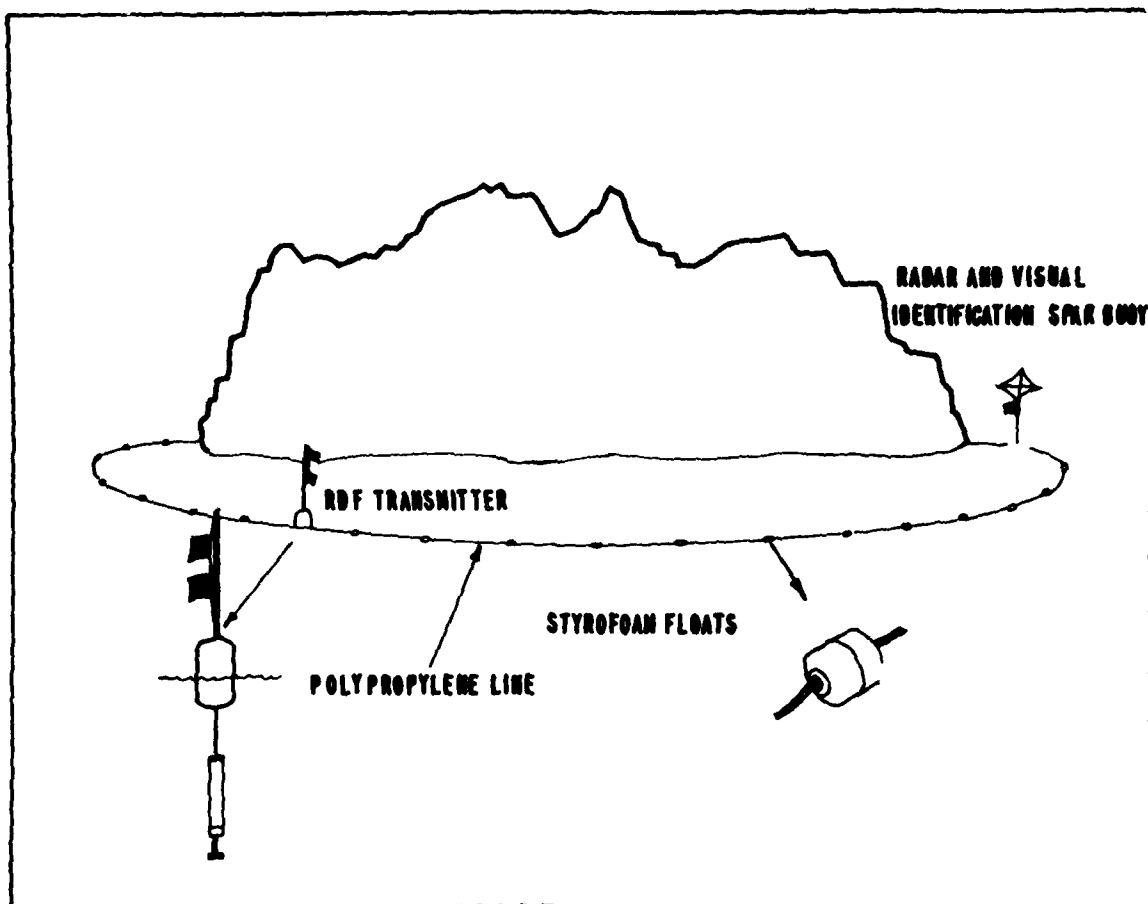


FIGURE 9. Array design employed in iceberg tagging and drift studies in April and June 1974.

| ICEBERG NO. | TYPE<br>SIZE (METERS)                    | NO.<br>OF<br>OBS. | DATE/TIME<br>(LOCAL)<br>OBSERVED<br>(JUNE 1974)<br>FROM TO | VECTOR<br>AVERAGED<br>DRIFT SPEED<br>(KTS.) | VECTOR<br>AVERAGED<br>DRIFT<br>DIRECTION<br>(°T) | VECTOR<br>AVERAGED<br>WIND<br>SPEED<br>(KTS.) | VECTOR<br>AVERAGED<br>WIND<br>DIRECTION<br>MINUS 180°<br>(°T) | *AVERAGE ANGLE<br>OF THE DRIFT TO<br>THE RIGHT OF<br>THE WIND(°) | RATIO OF THE<br>AVERAGE DRIFT<br>SPEED TO THE<br>AVERAGE<br>WIND SPEED |
|-------------|------------------------------------------|-------------------|------------------------------------------------------------|---------------------------------------------|--------------------------------------------------|-----------------------------------------------|---------------------------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------|
|             |                                          |                   |                                                            | X                                           | Y                                                | X                                             | Y                                                             | X                                                                | Y                                                                      |
| 1           | MEDIUM<br>PINNACLE<br>24X122             | 7                 | 26/0811 23/1007                                            | 0.2                                         | 020                                              | 13.8                                          | 035                                                           | -021 ± 005                                                       | .010 ± .000                                                            |
| 2           | LARGE<br>PINNACLE<br>37X137              | 7                 | 26/0835 26/0340                                            | 0.4                                         | 150                                              | 11.2                                          | 041                                                           | 002 ± 001                                                        | .041 ± .033                                                            |
| 3           | **MEDIUM<br>BRYDOCK<br>40X101            | 8                 | 24/1342 26/2300                                            | 0.8                                         | 100                                              | 12.1                                          | 134                                                           | 000 ± 040                                                        | .071 ± .031                                                            |
| 4           | SMALL<br>DOME<br>8X30                    | 4                 | 24/1007 26/0044                                            | 0.8                                         | 102                                              | 12.2                                          | 100                                                           | 000 ± 010                                                        | .055 ± .012                                                            |
| 5           | SMALL<br>TABULAR<br>10X01                | 4                 | 24/1023 26/0000                                            | 0.3                                         | 101                                              | 12.4                                          | 105                                                           | 070 ± 020                                                        | .070 ± .015                                                            |
| 6           | VERY LARGE<br>DOME<br>PINNACLE<br>53X205 | 8                 | 26/1700 26/0130                                            | 1.1                                         | 212                                              | 13.5                                          | 130                                                           | 074 ± 020                                                        | .005 ± .025                                                            |
| ALL         | —                                        | 30                |                                                            | 0.5                                         | 102                                              | 0.2                                           | 003                                                           | 050 ± 004                                                        | .050 ± .034                                                            |

\*NEGATIVE VALUES INDICATE A DRIFT ANGLE TO THE LEFT OF THE WIND  
 \*\*ICEBERG NO.3 CALVED INTO TWO PIECES BETWEEN 26/0100 AND 26/0020 (LOCAL)

FIGURE 10. Iceberg drift data from IIP-2-74.

## NUMBER OF OBSERVATIONS

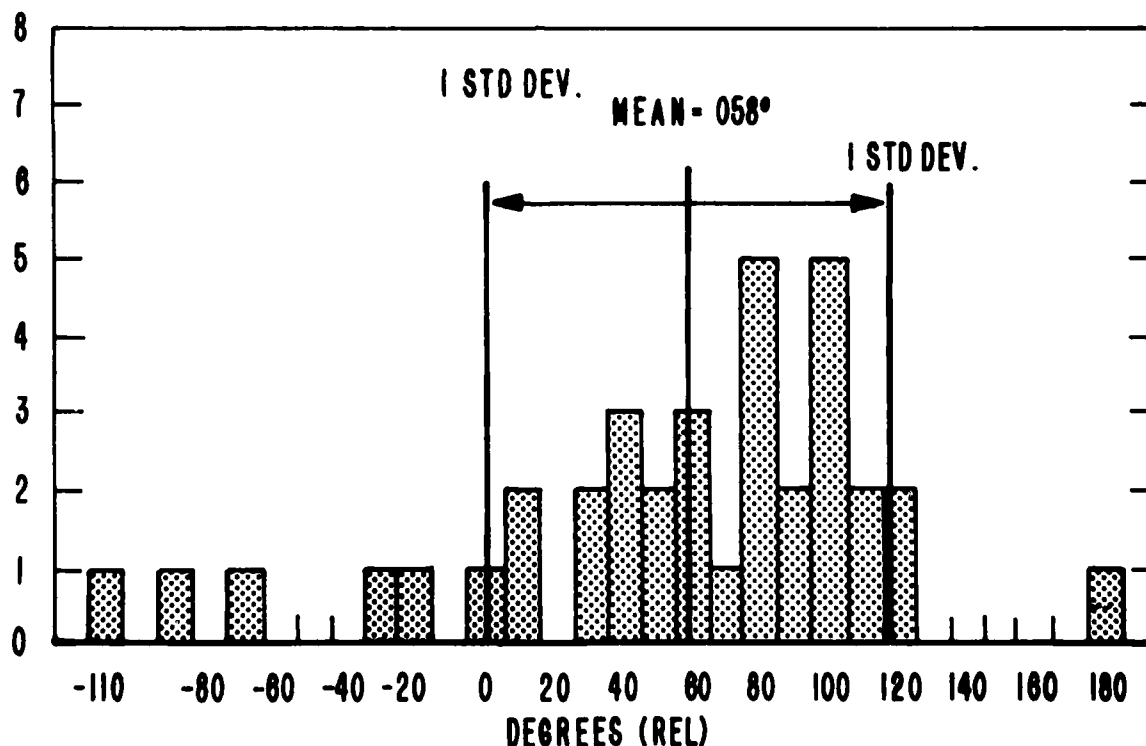


FIGURE 11. Drift angle (degrees relative to wind direction).

# NUMBER OF OBSERVATIONS

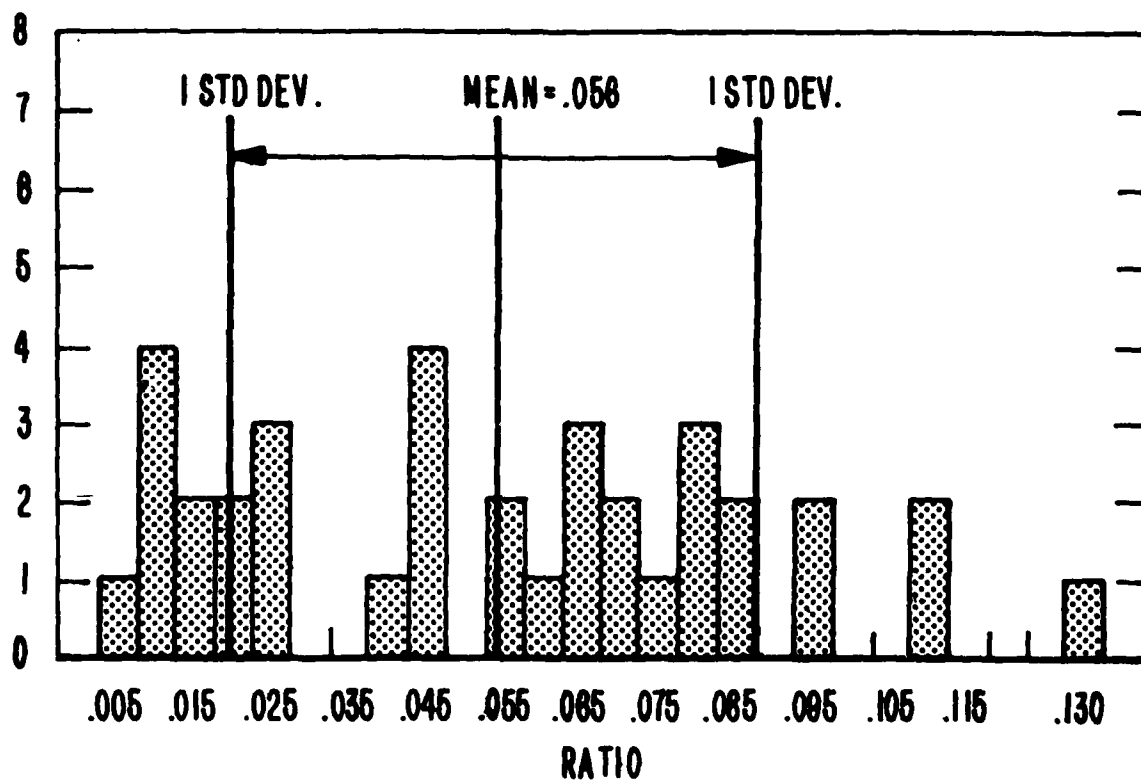


FIGURE 12. Ratio of drift speed to wind speed.

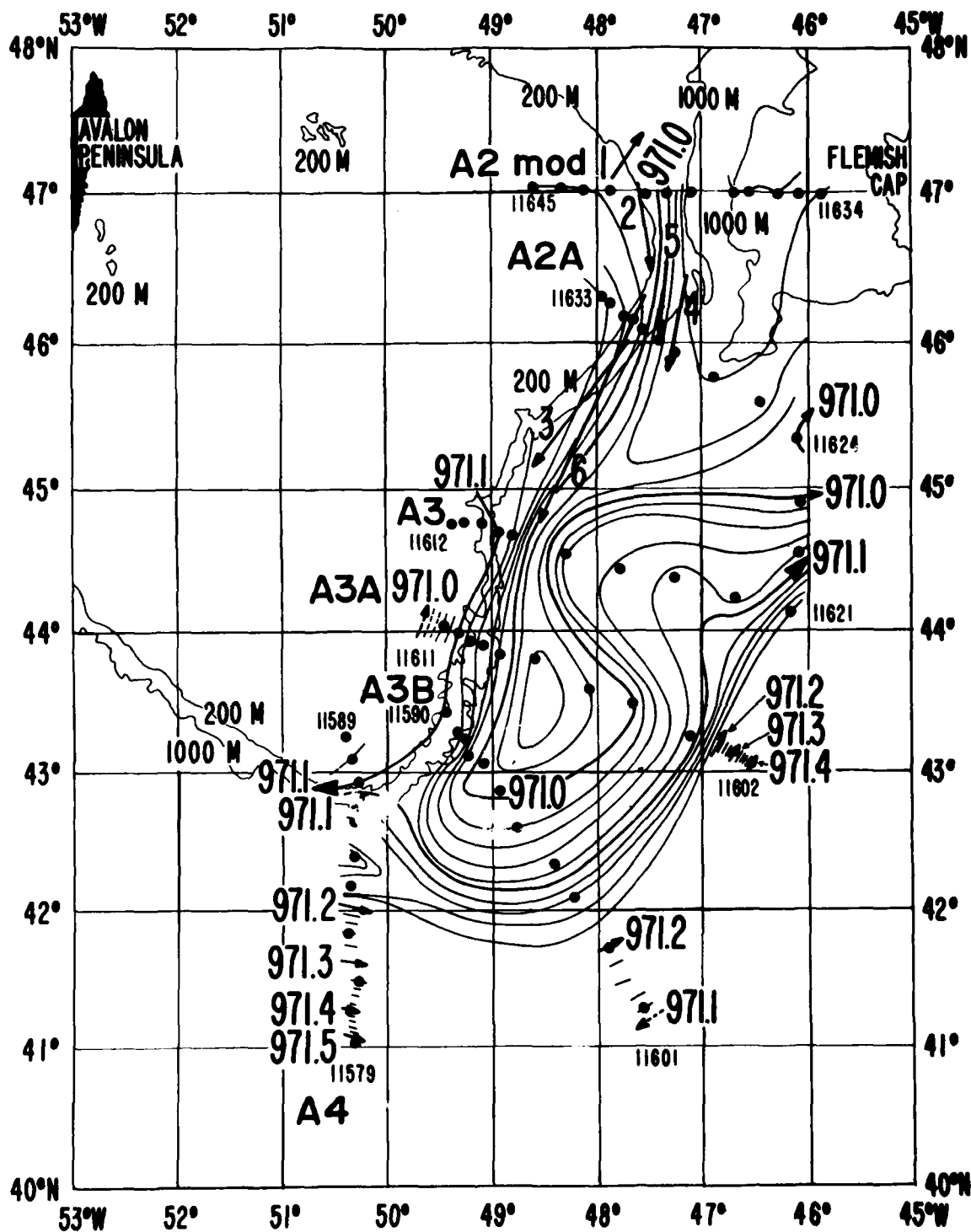


FIGURE 13. Iceberg drift from IIP-2-74.

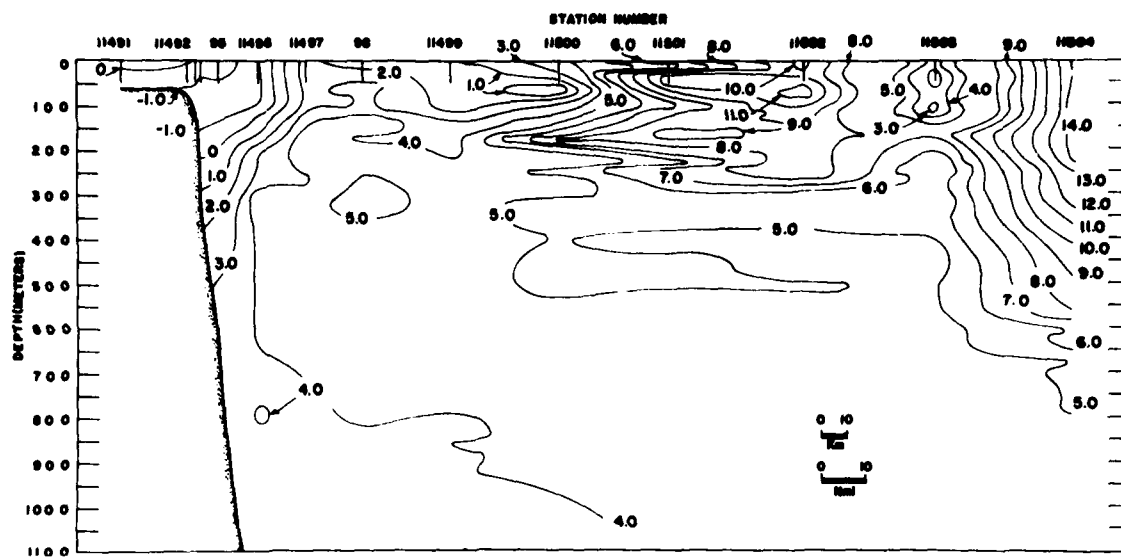


FIGURE 14. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 8-10 April 1974.

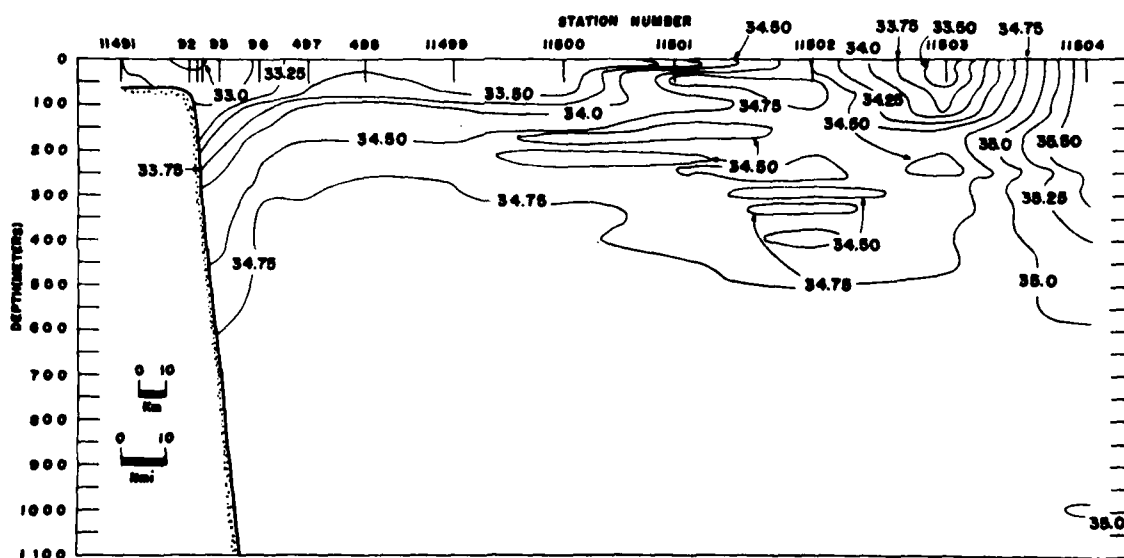


FIGURE 15. Vertical salinity ( $\text{‰}$ ) section A3, occupied by CGC EVERGREEN, 8-10 April 1974.

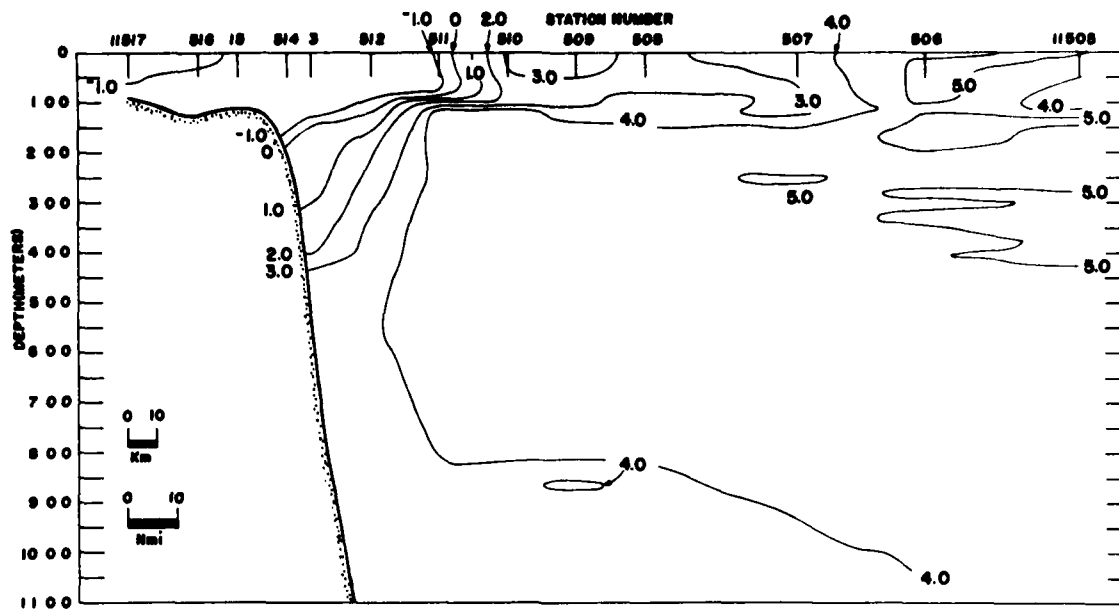


FIGURE 16. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2B, occupied by CGC EVERGREEN, 10-12 April 1974.

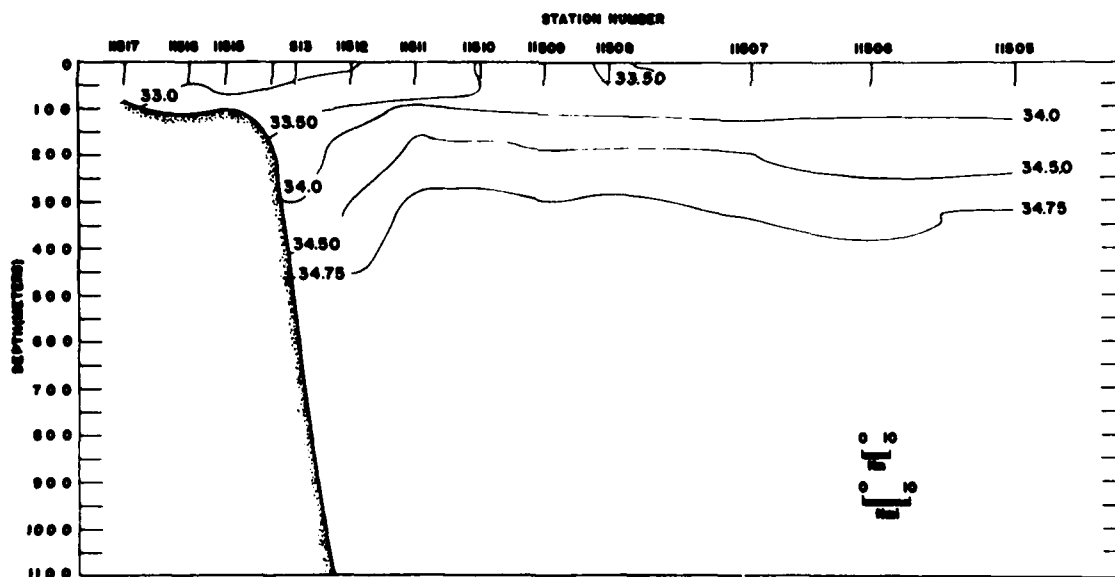


FIGURE 17. Vertical salinity ( $\text{‰}$ ) section A-2B, occupied by CGC EVERGREEN, 10-12 April 1974.

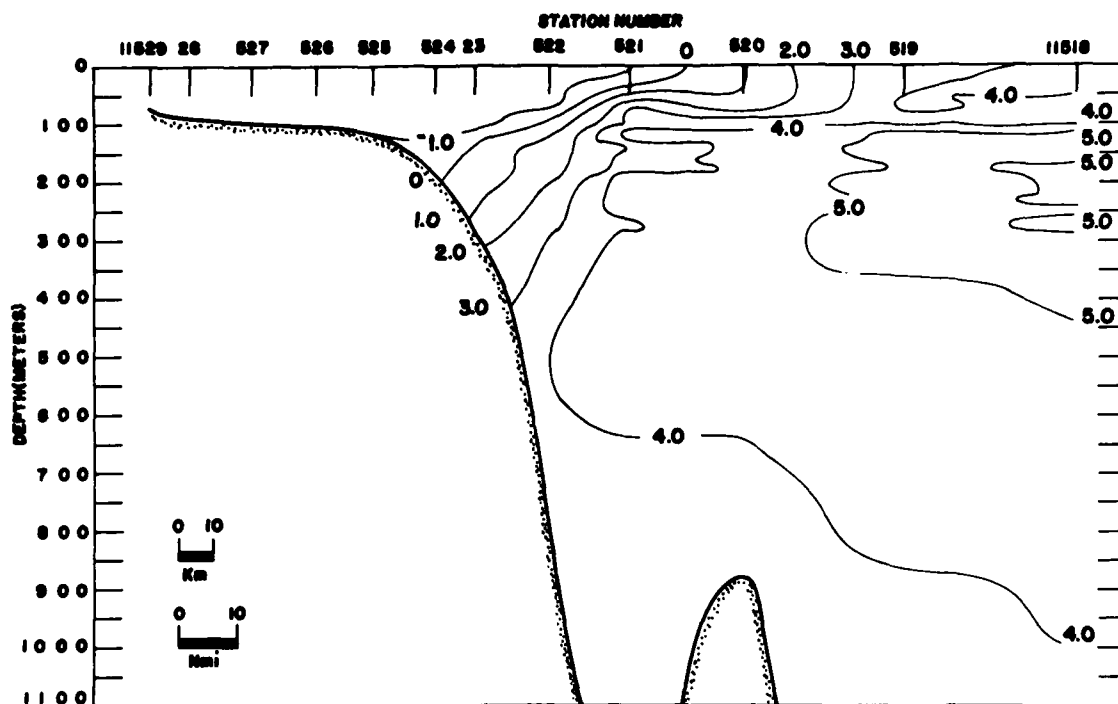


FIGURE 18. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2A, occupied by CGC EVERGREEN, 12-14 April 1974.

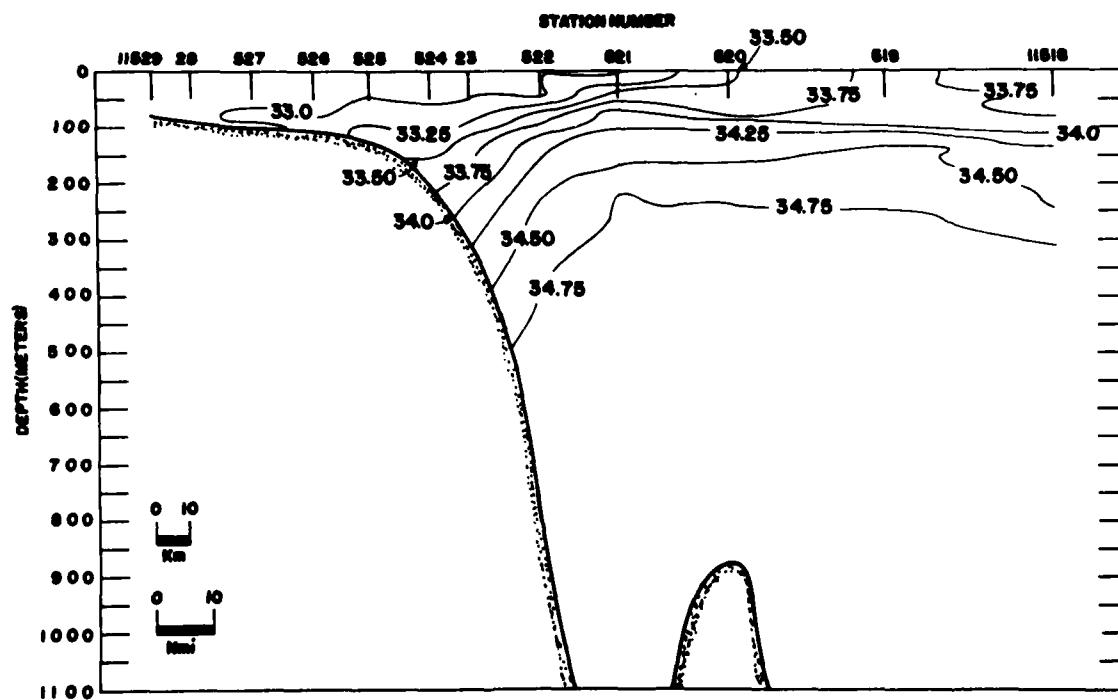


FIGURE 19. Vertical salinity ( $\text{‰}$ ) section A-2A, occupied by CGC EVERGREEN, 12-14 April 1974.

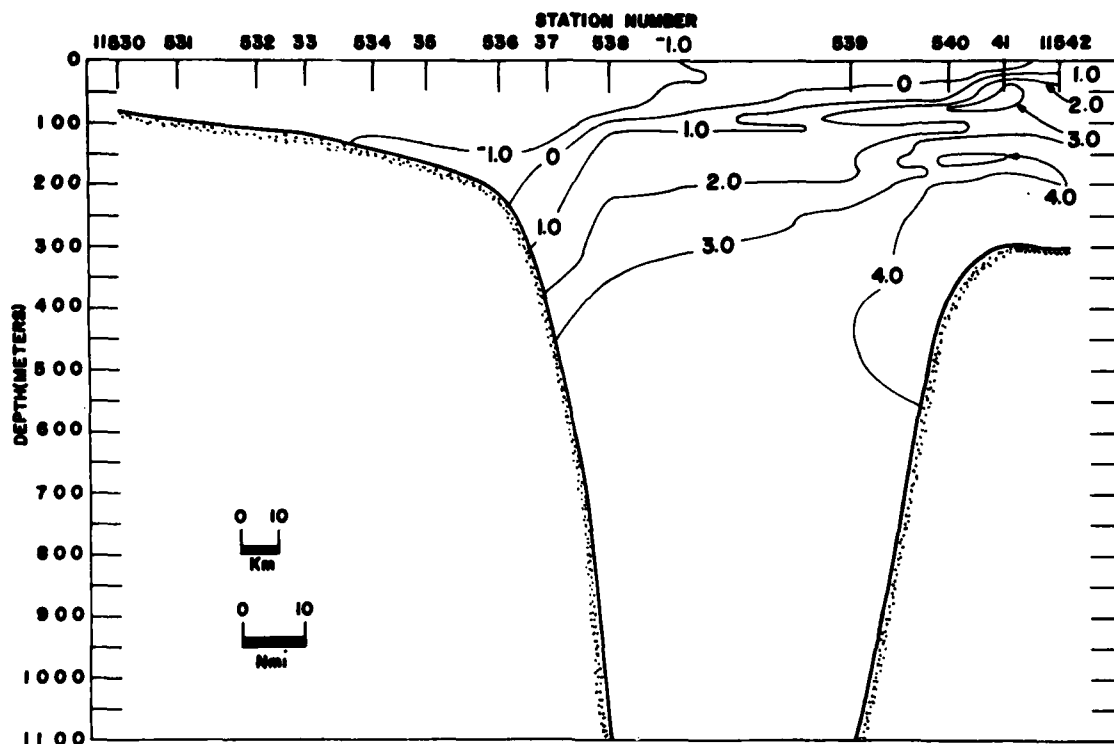


FIGURE 20. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2 mod., occupied by CGC EVERGREEN, 14-15 April 1974.

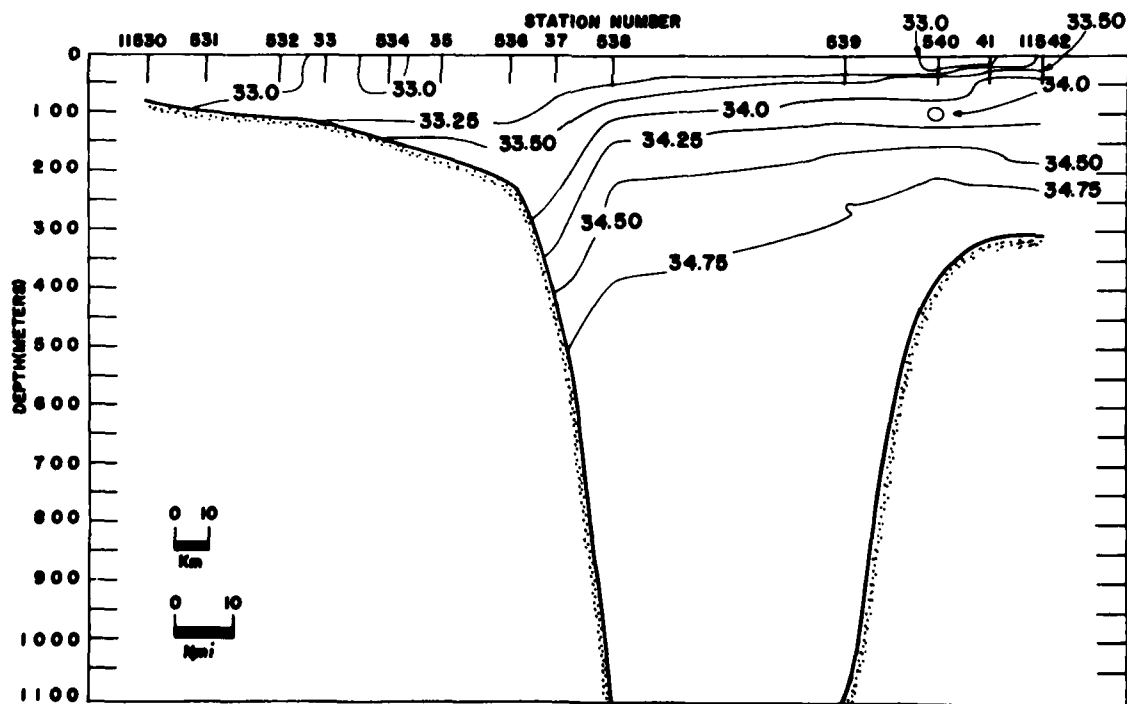


FIGURE 21. Vertical salinity ( $\text{‰}$ ) section A-2 mod., occupied by CGC EVERGREEN, 14-15 April 1974.

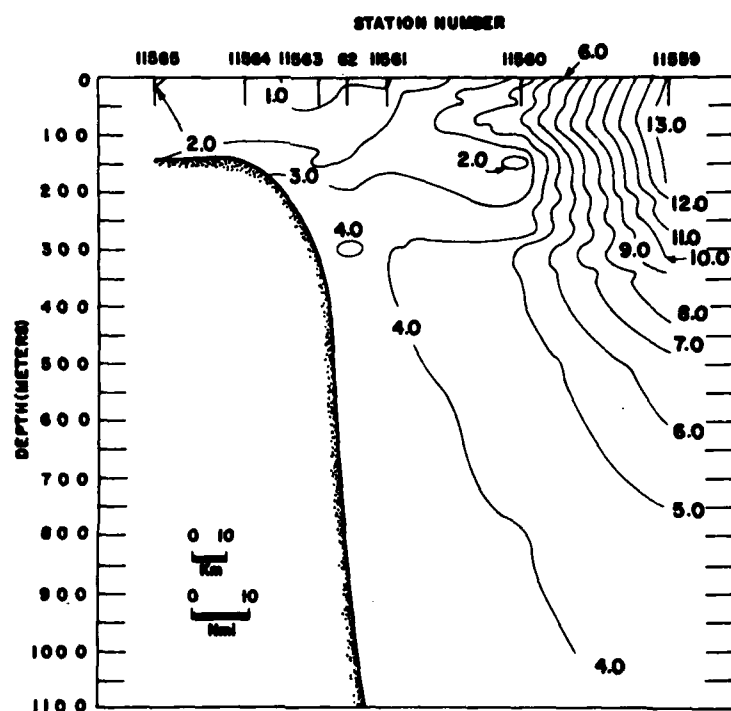


FIGURE 24. Vertical temperature ( $^{\circ}\text{C}$ ) section SS1, occupied by CGC EVERGREEN, 30 April 1974.

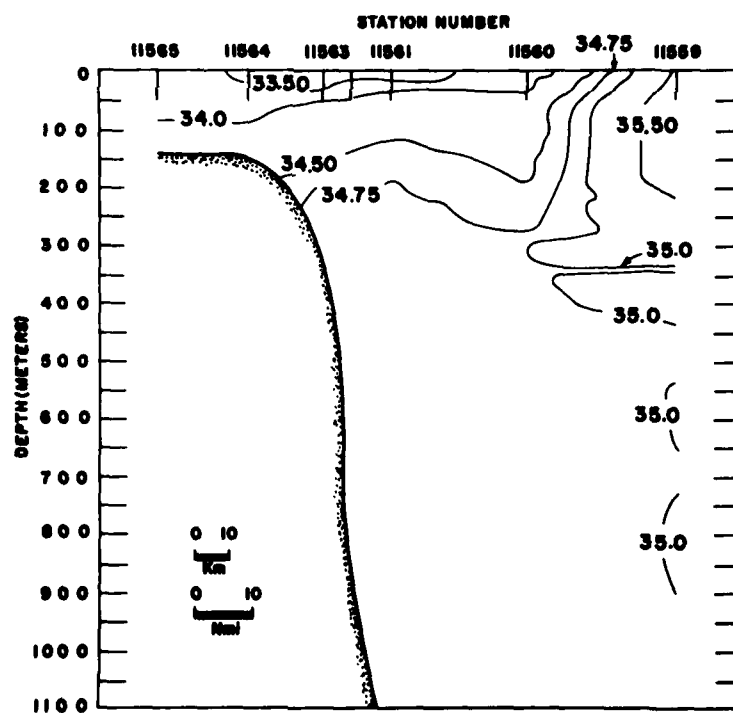


FIGURE 25. Vertical salinity ( $\text{‰}$ ), section SS1, occupied by CGC EVERGREEN, 30 April 1974.

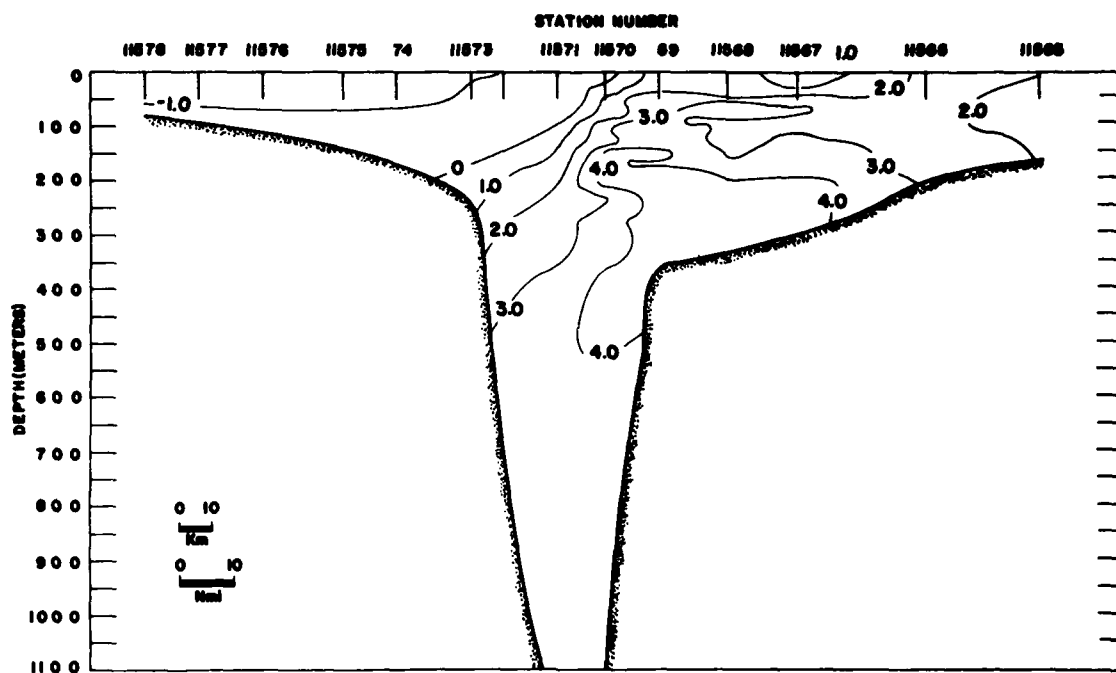


FIGURE 26. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2 mod., occupied by CGC EVERGREEN, 30 April-2 May 1974.

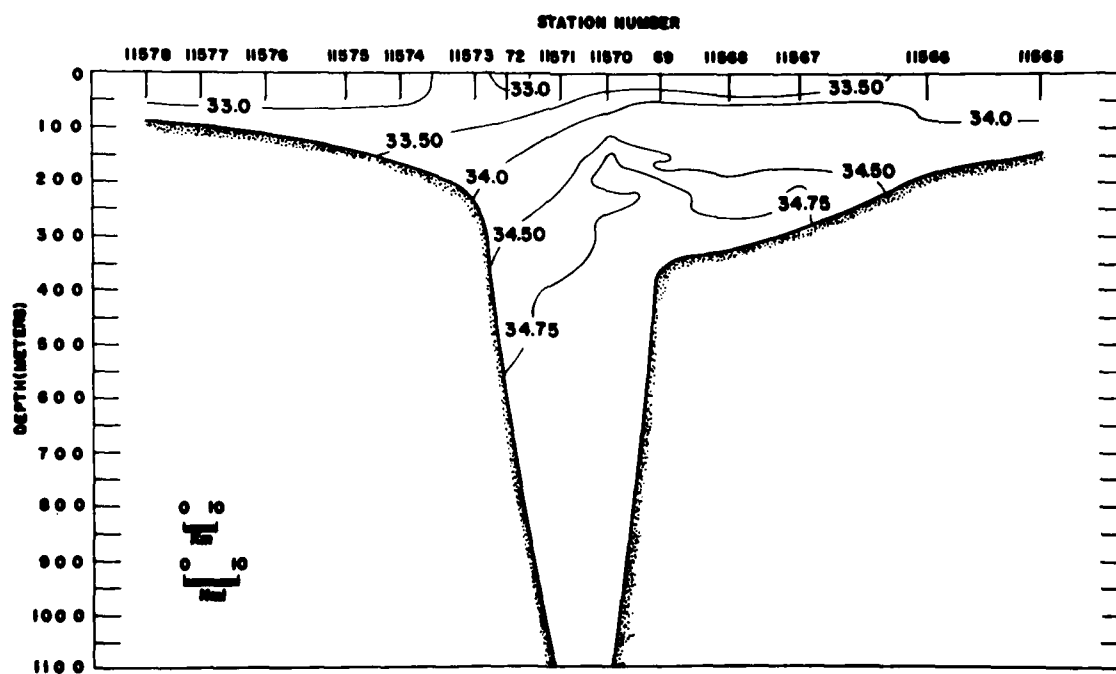


FIGURE 27. Vertical salinity ( $\text{‰}$ ) section A-2 mod., occupied by CGC EVERGREEN, 30 April- 2 may 1974.

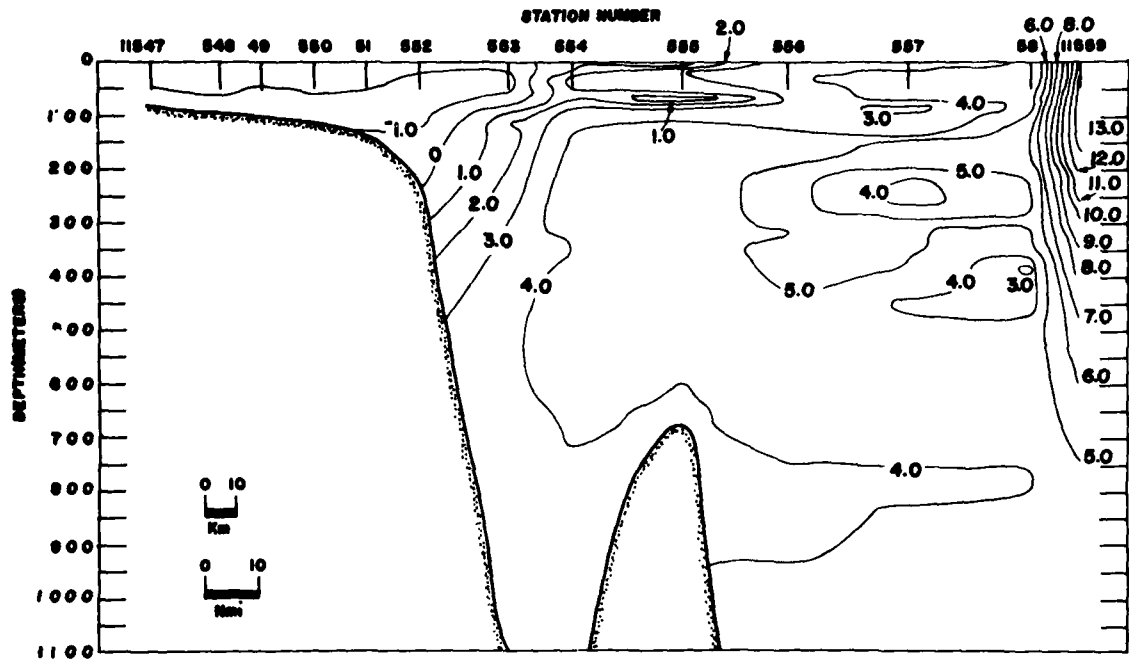


FIGURE 22. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2A, occupied by CGC EVERGREEN, 29-30 April 1974.

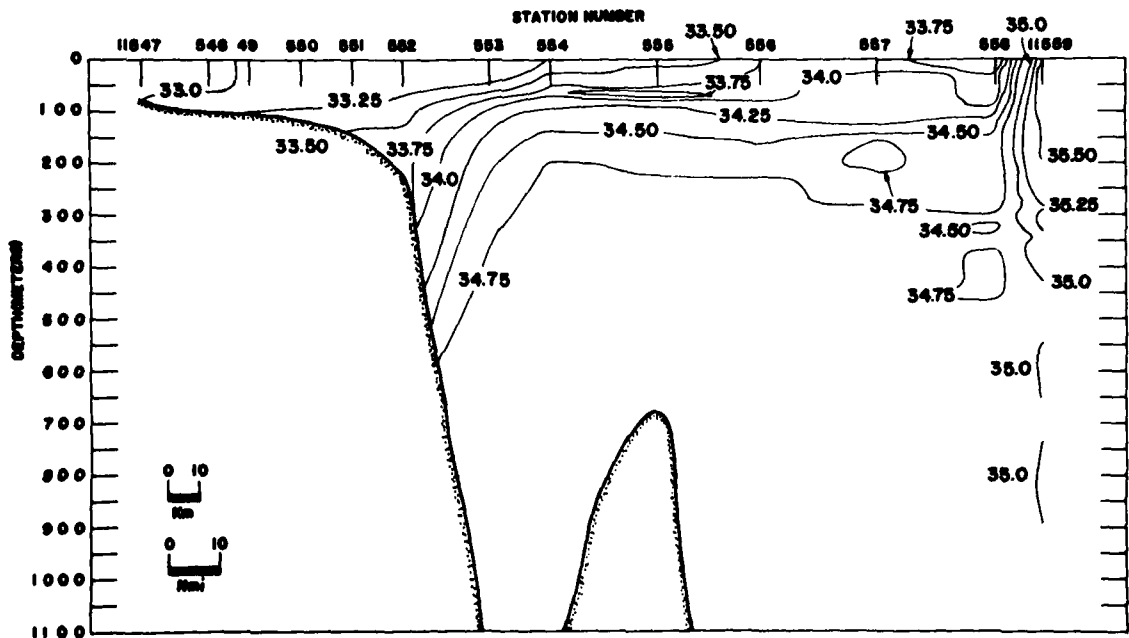


FIGURE 23. Vertical salinity ( $\text{‰}$ ) section A-2A, occupied by CGC EVERGREEN, 29-30 April 1974.

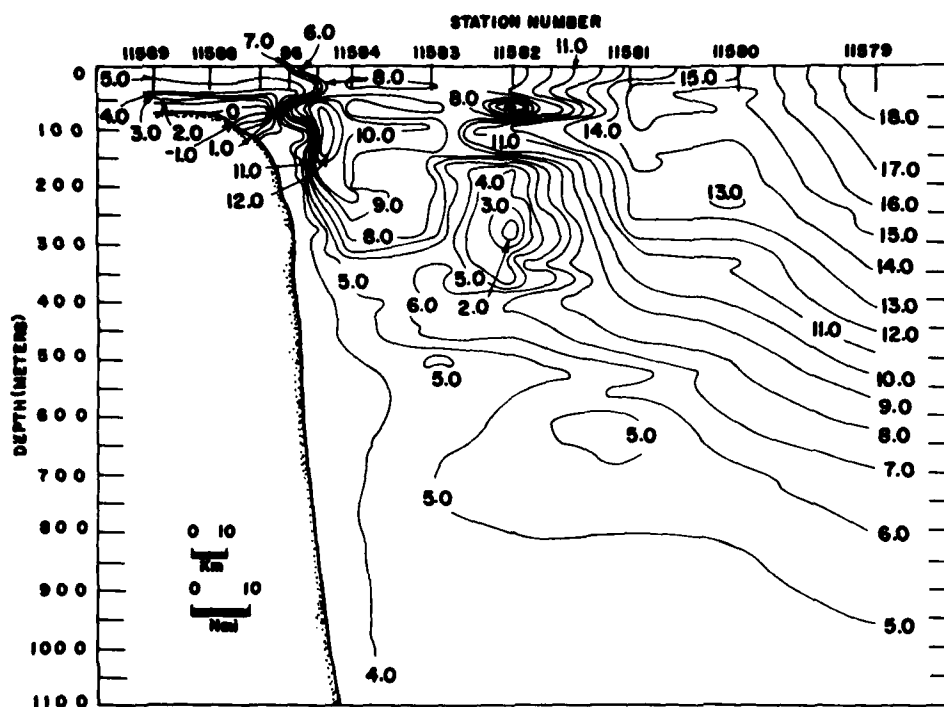


FIGURE 28. Vertical temperature (°C) section A-4, occupied by CGC EVERGREEN, 9-10 June 1974.

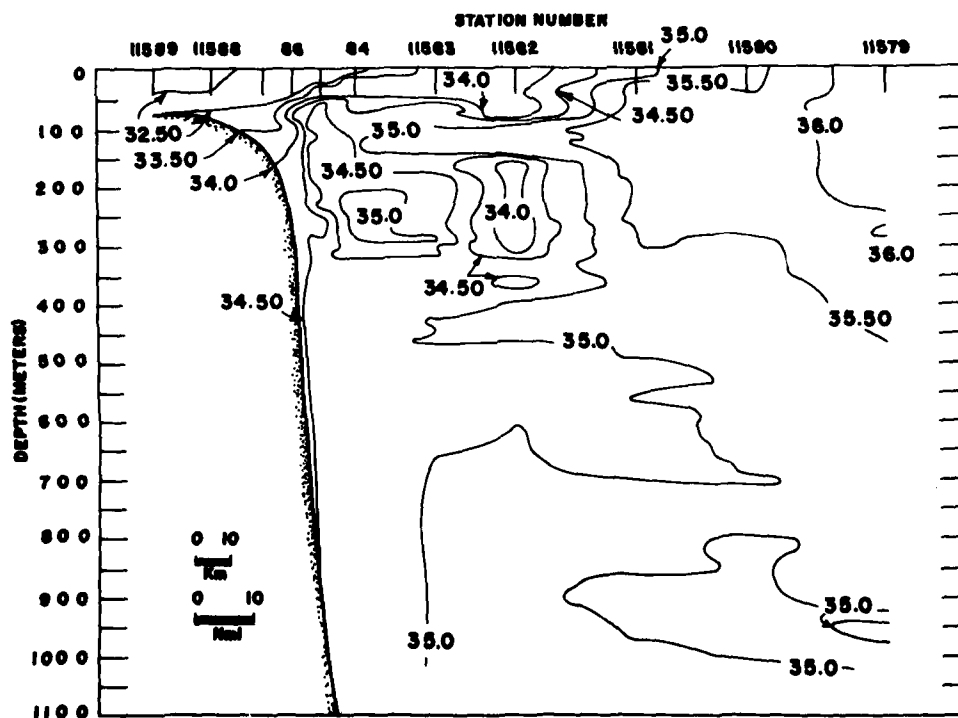


FIGURE 29. Vertical salinity (‰) section A-4, occupied by CGC EVERGREEN, 9-10 June 1974.

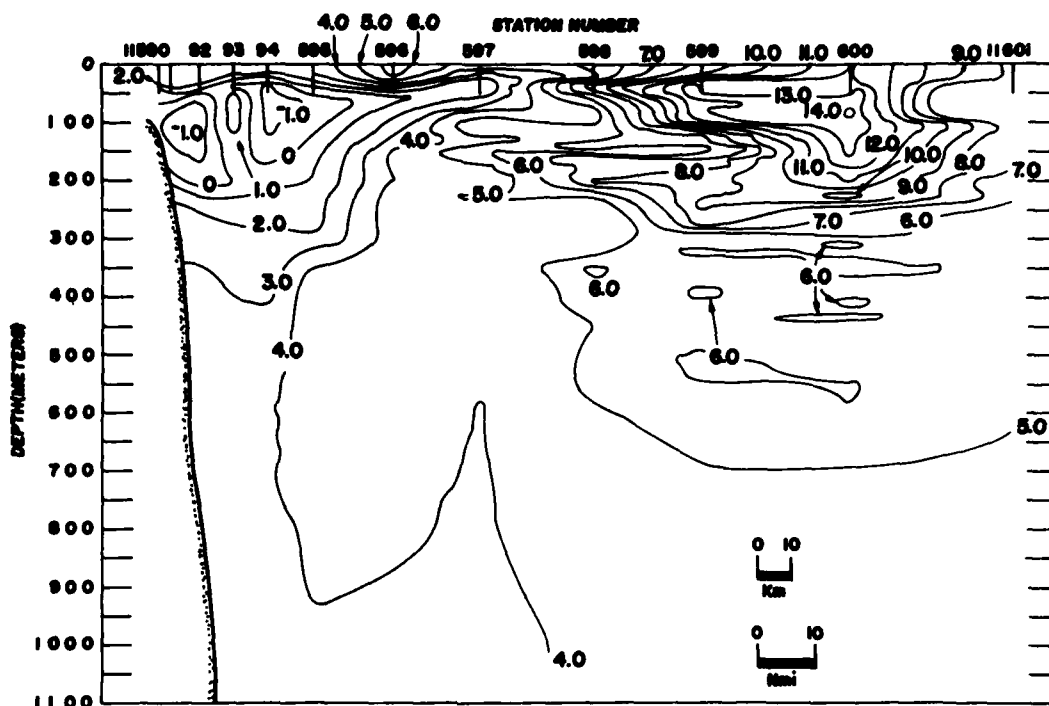


FIGURE 30. Vertical temperature ( $^{\circ}\text{C}$ ) section A-3B mod., occupied by CGC EVERGREEN, 10-11 June 1974.

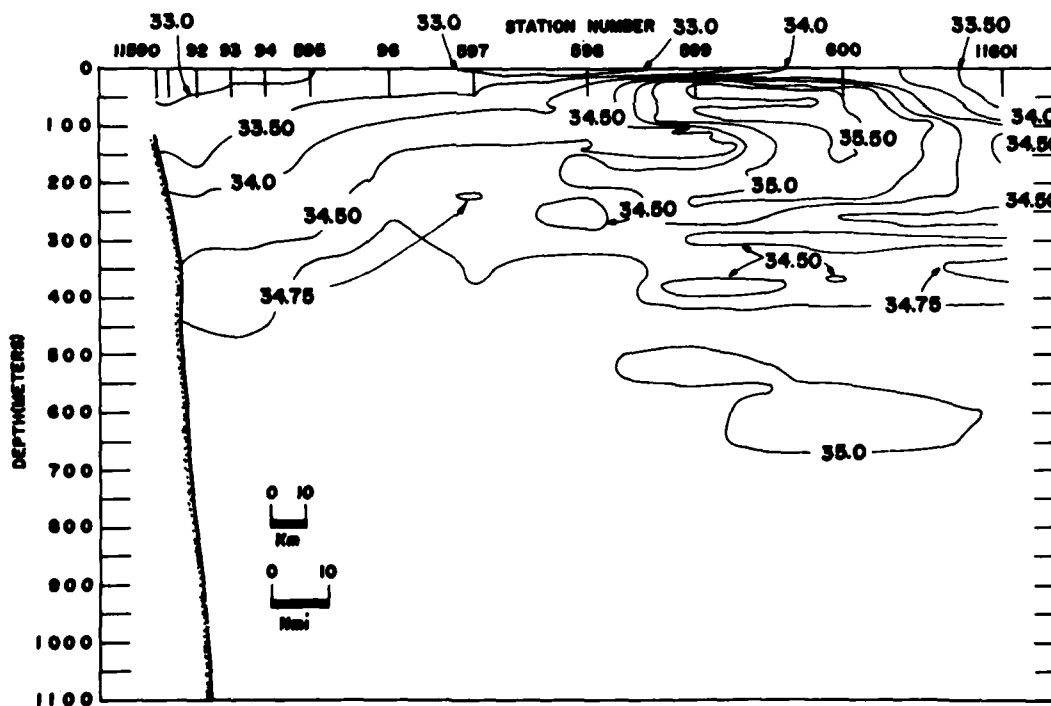


FIGURE 31. Vertical salinity ( $\text{‰}$ ) section A-3B mod., occupied by CGC EVERGREEN, 10-11 June 1974.

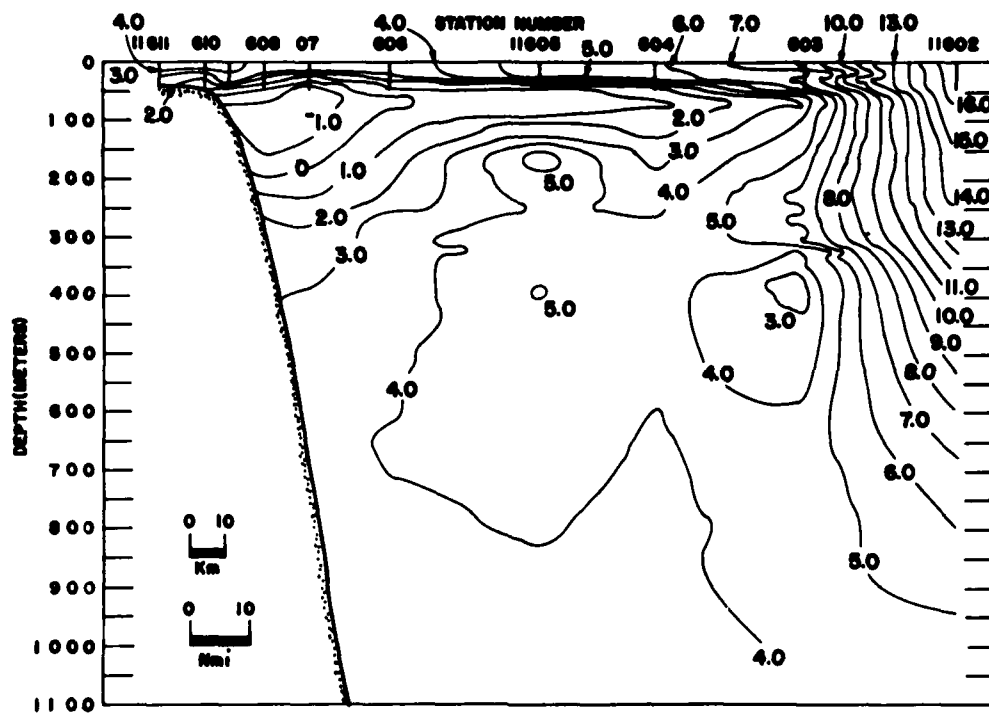


FIGURE 32. Vertical temperature ( $^{\circ}\text{C}$ ) section A-3A, occupied by CGC EVERGREEN, 11-12 June 1974.

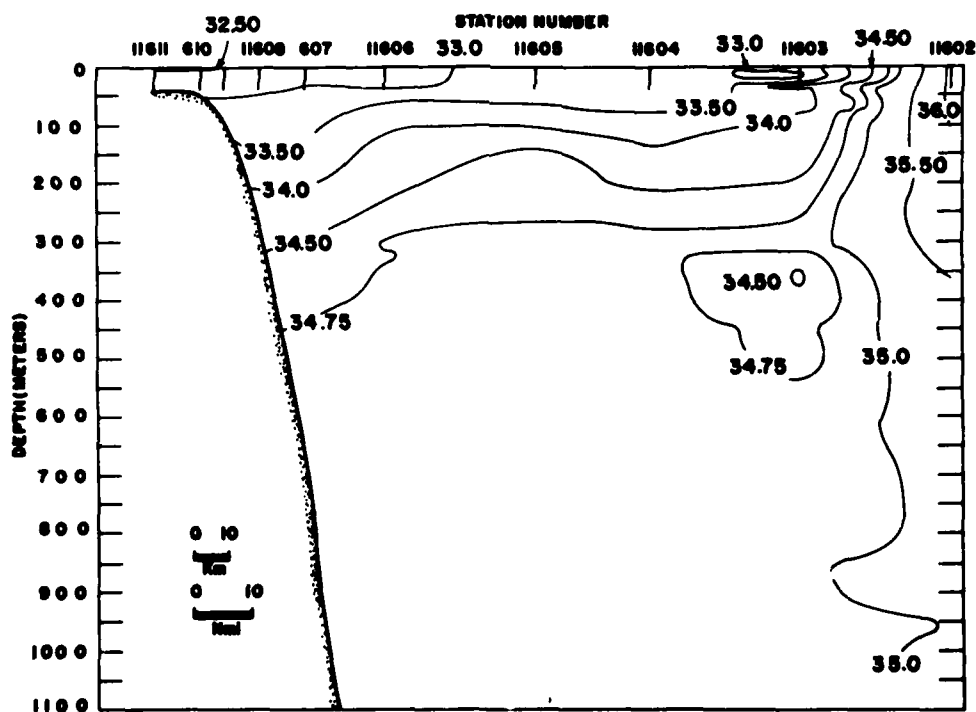


FIGURE 33. Vertical salinity ( $\text{‰}$ ) section A-3A, occupied by CGC EVERGREEN, 11-12 June 1974.

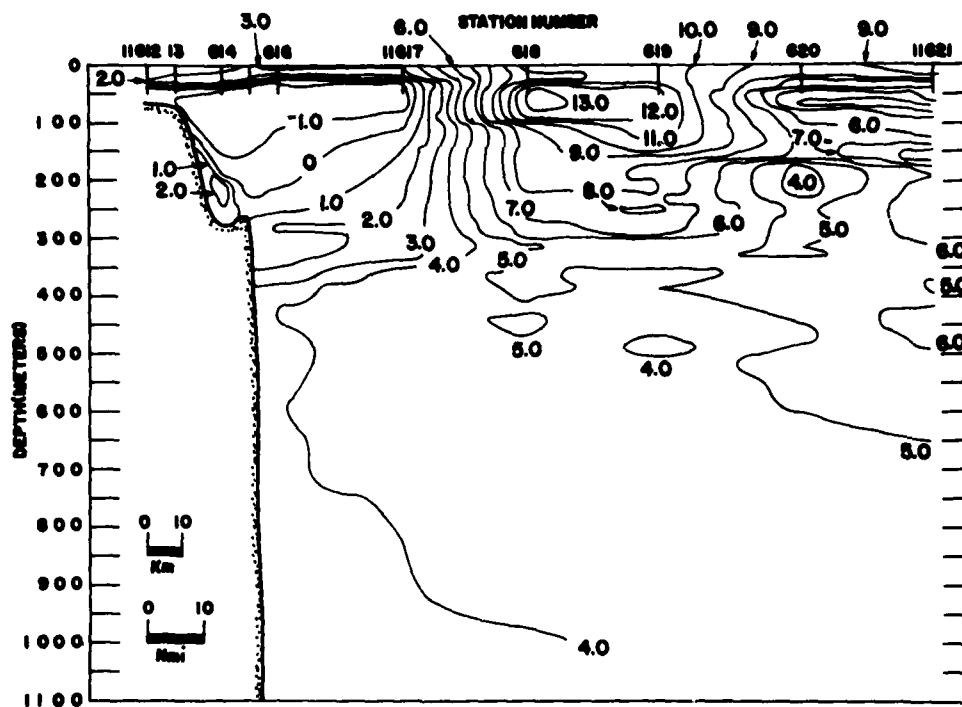


FIGURE 34. Vertical temperature ( $^{\circ}\text{C}$ ) section A-3, occupied by CGC EVERGREEN, 13-14 June 1974.

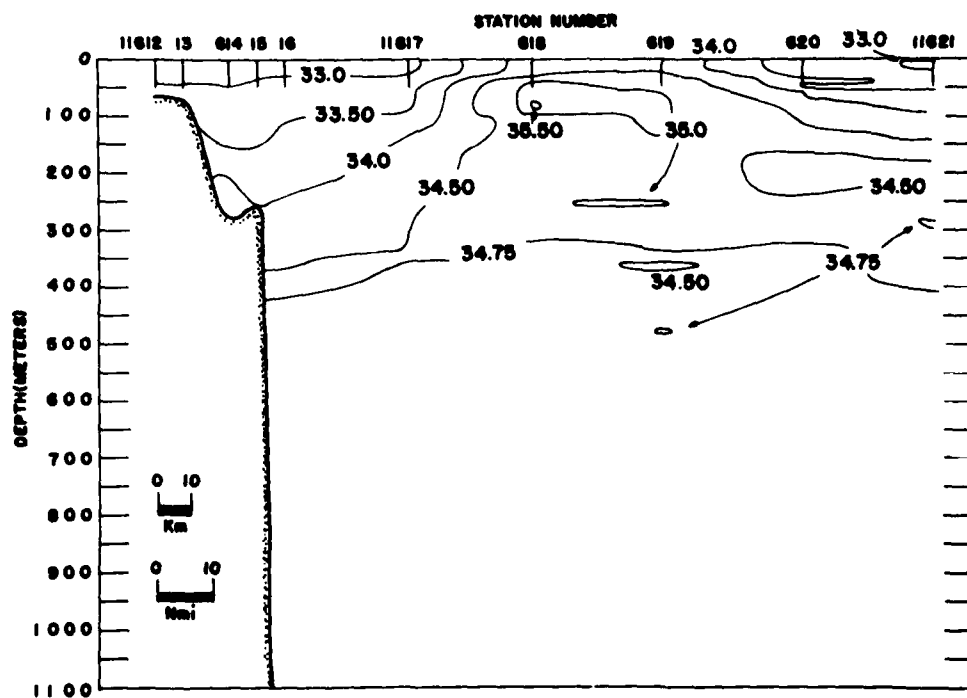


FIGURE 35. Vertical salinity ( $\text{‰}$ ) section A-3, occupied by CGC EVERGREEN, 13-14 June 1974.

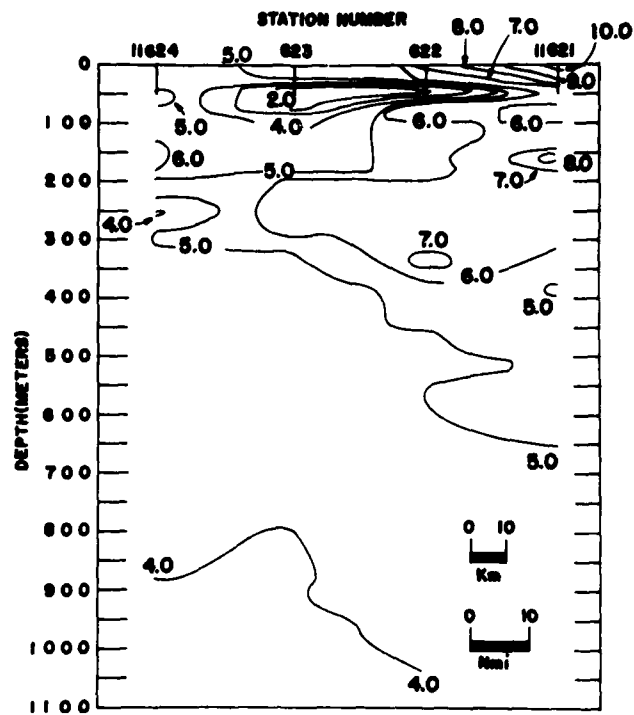


FIGURE 36. Vertical temperature ( $^{\circ}\text{C}$ ) section SS2, occupied by CGC EVERGREEN, 14 June 1974.

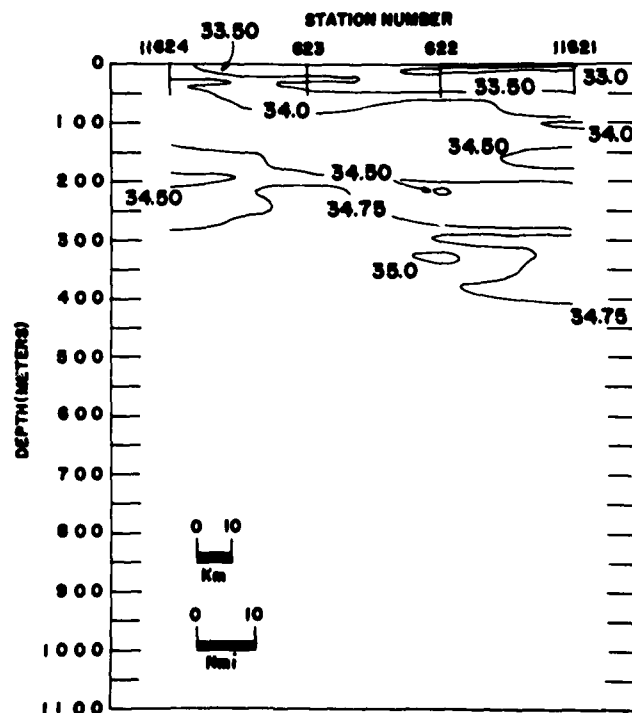


FIGURE 37. Vertical salinity ( $\text{‰}$ ) section SS2, occupied by CGC EVERGREEN, 14 June 1974.

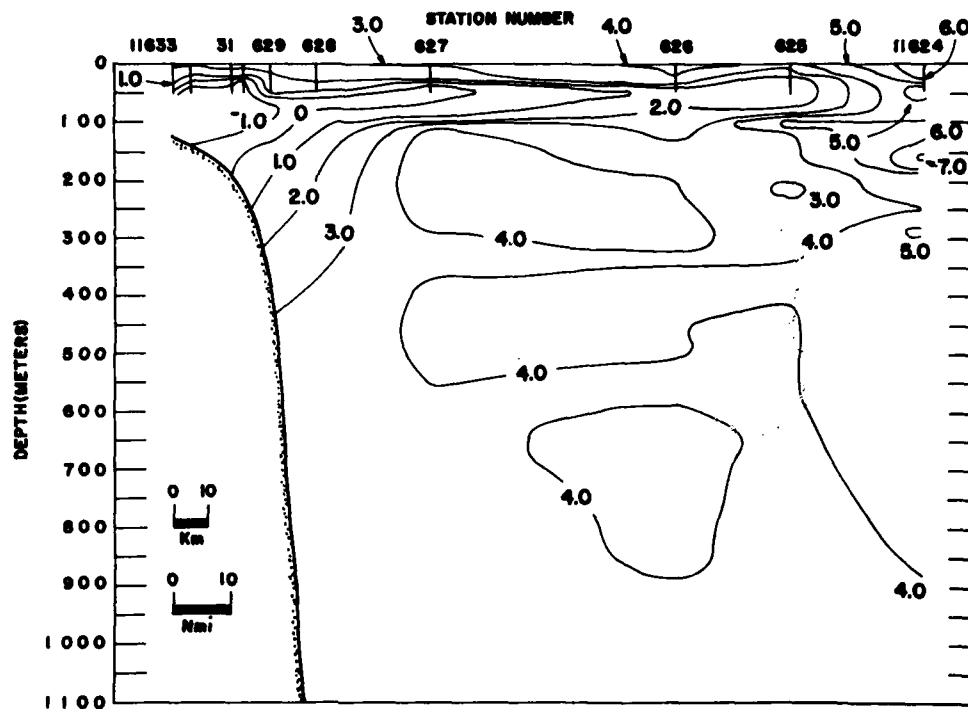


FIGURE 38. Vertical temperature (°C) section A-2A, occupied by CGC EVERGREEN, 14-15 June 1974.

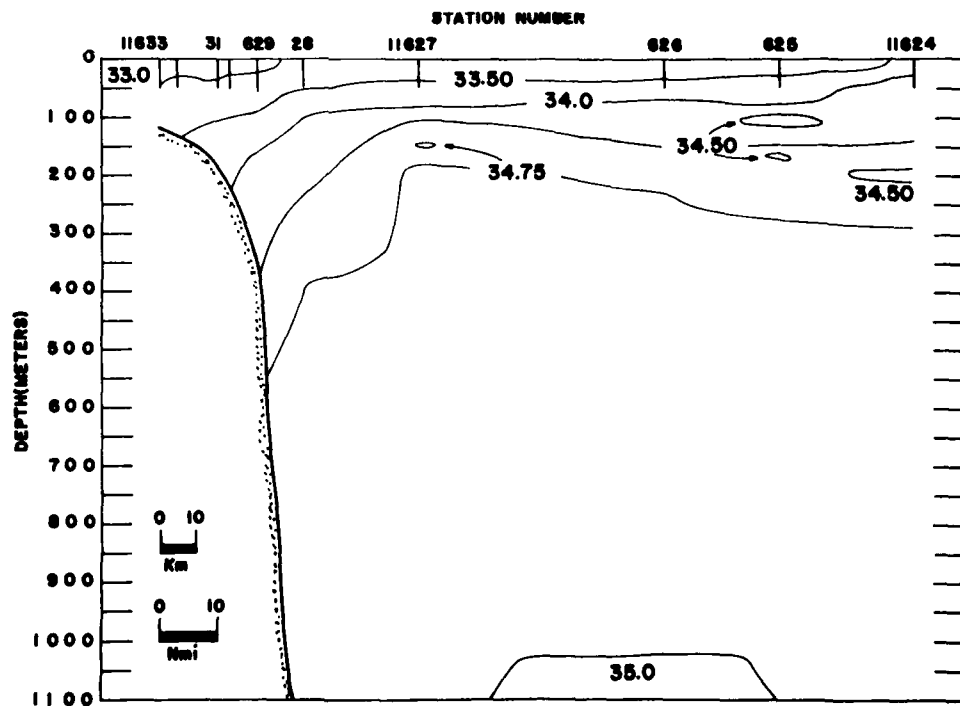


FIGURE 39. Vertical salinity (‰) section A-2A, occupied by CGC EVERGREEN, 14-15 June 1974.

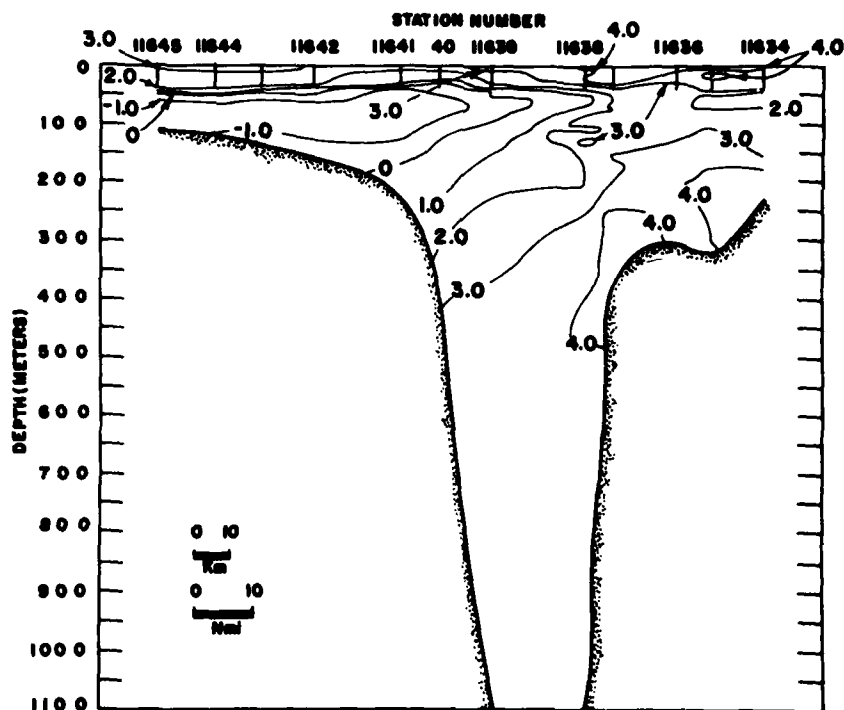


FIGURE 40. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2 mod., occupied by CGC EVERGREEN, 15-16 June 1974.

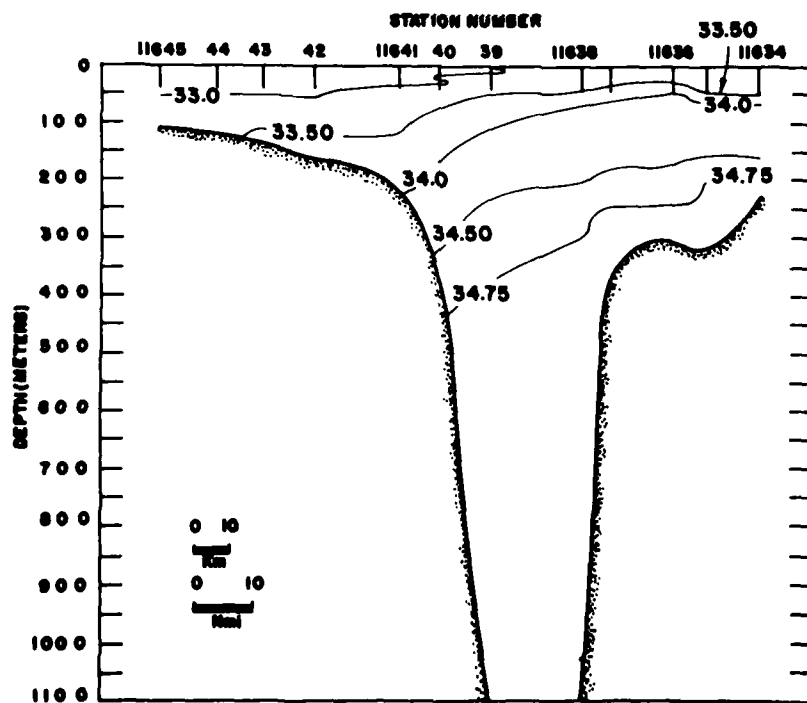


FIGURE 41. Vertical salinity ( $\text{‰}$ ) section A-2 mod., occupied by CGC EVERGREEN, 15-16 June 1974.

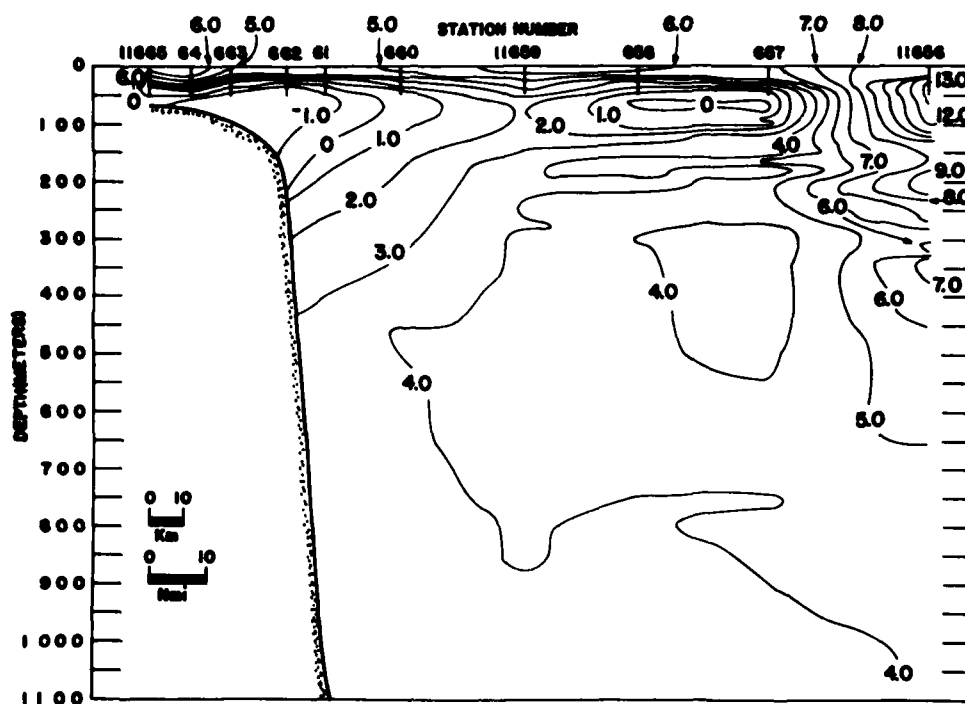


FIGURE 42. Vertical temperature ( $^{\circ}\text{C}$ ) section A-2B, occupied by CGC EVERGREEN, 29-30 June 1974.

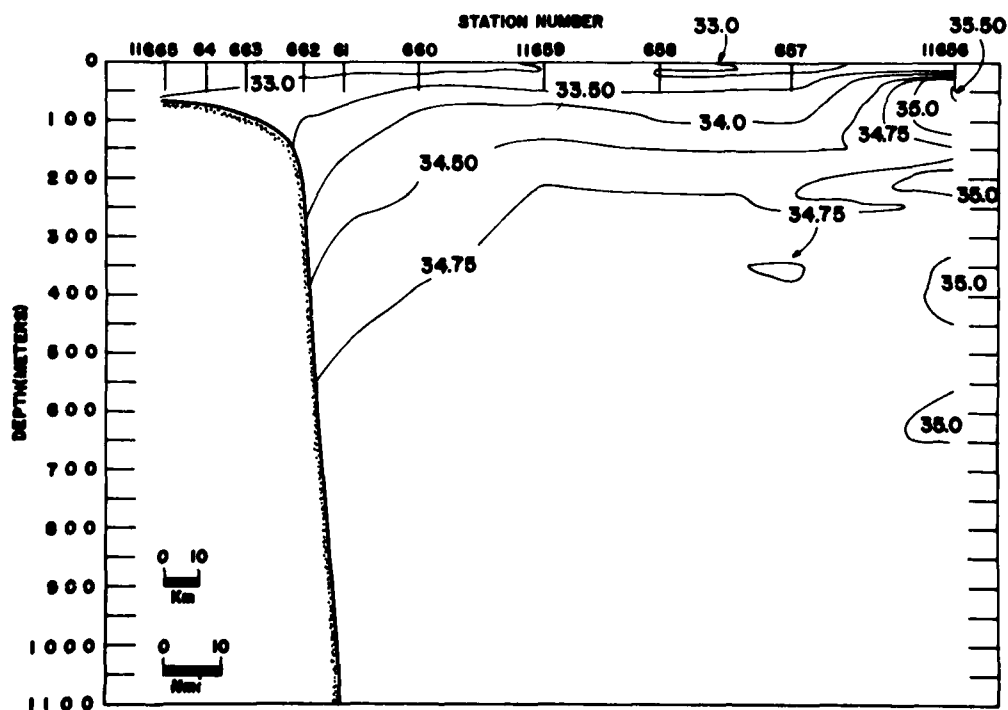


FIGURE 43. Vertical salinity ( $\text{‰}$ ) section A-2B, occupied by CGC EVERGREEN, 29-30 June 1974.

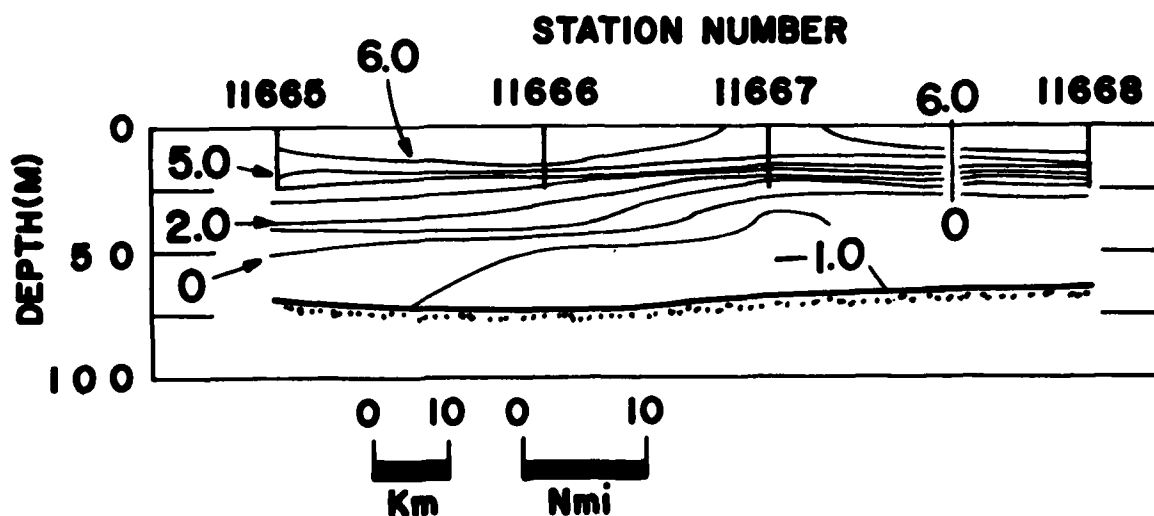


FIGURE 44. Vertical temperature ( $^{\circ}\text{C}$ ) section SS3, occupied by CGC EVERGREEN, 30 June 1974.

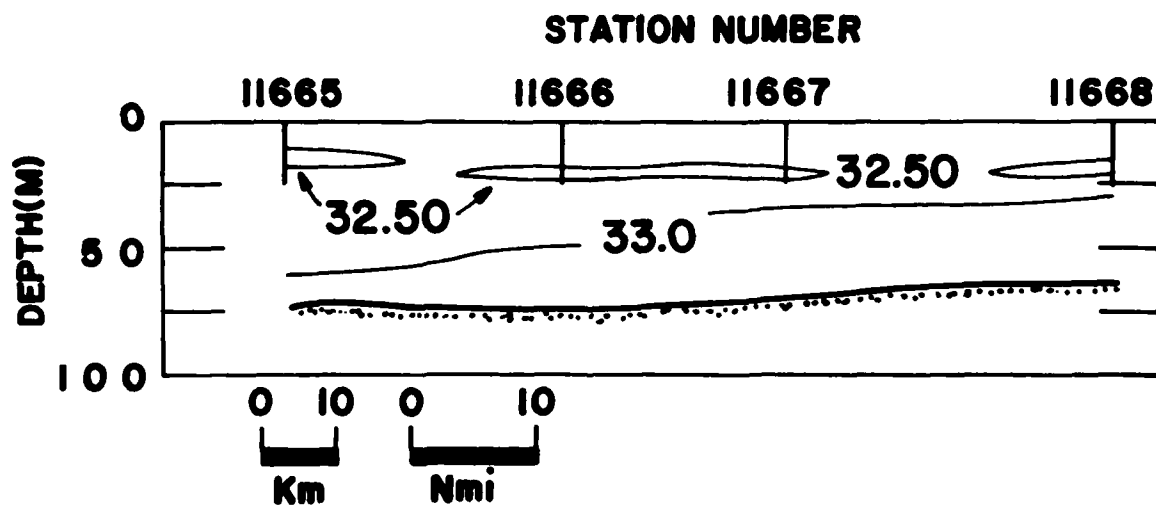


FIGURE 45. Vertical salinity ( $\text{‰}$ ) section SS3, occupied by CGC EVERGREEN, 30 June 1974.

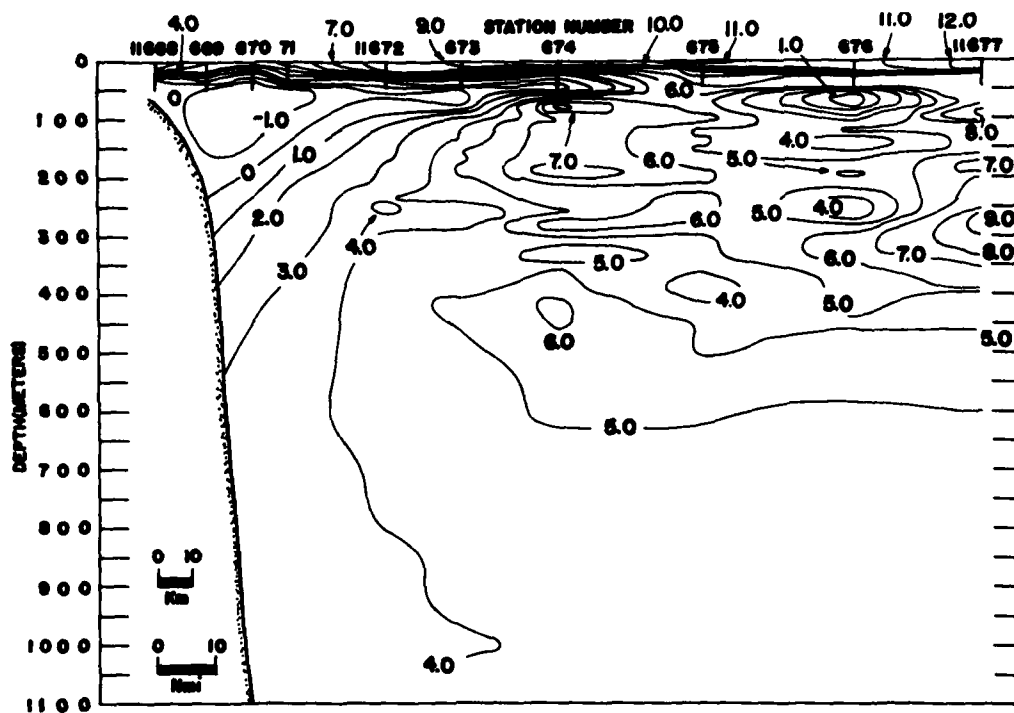


FIGURE 46. Vertical temperature ( $^{\circ}\text{C}$ ) section A3, occupied by CGC EVERGREEN, 30 June-1 July 1974.

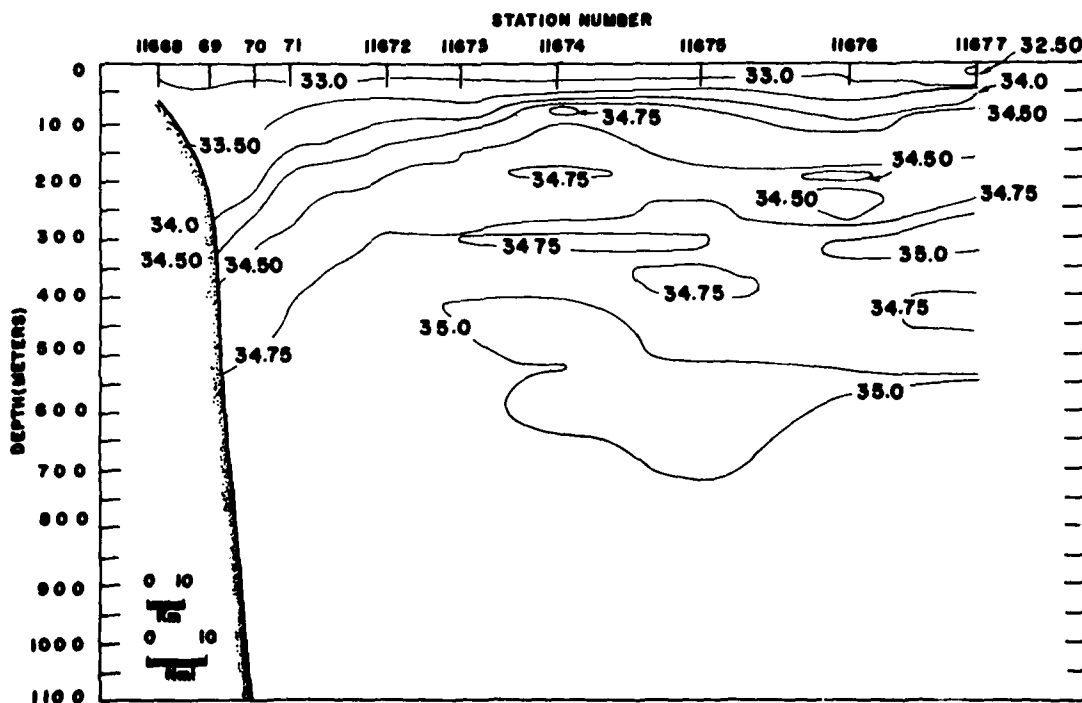


FIGURE 47. Vertical salinity (‰) section A3, occupied by CGC EVERGREEN, 30 June-1 July 1974.

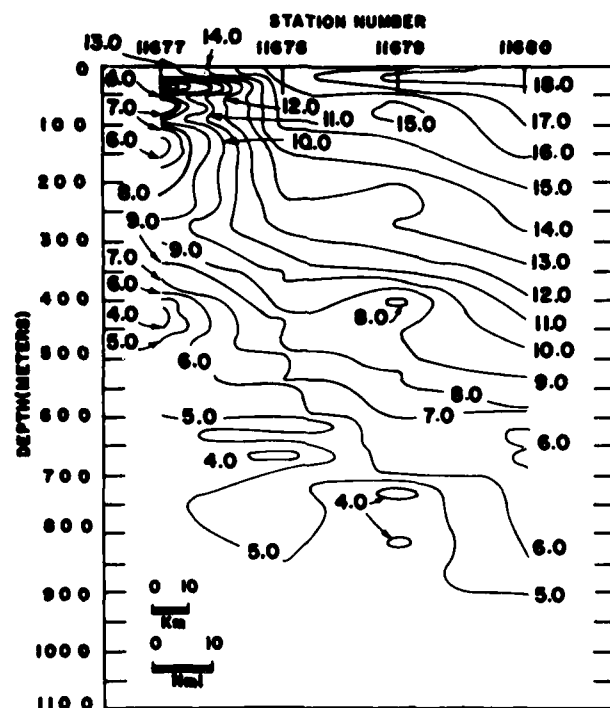


FIGURE 48. Vertical temperature ( $^{\circ}\text{C}$ ) section SS4, occupied by CGC EVERGREEN, 1-2 July 1974.

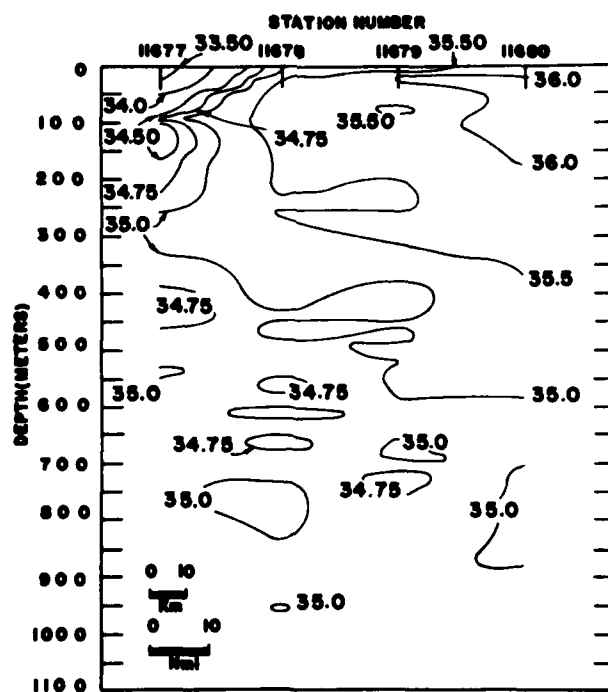


FIGURE 49. Vertical salinity ( $\text{‰}$ ) section SS4, occupied by CGC EVERGREEN, 1-2 July 1974.

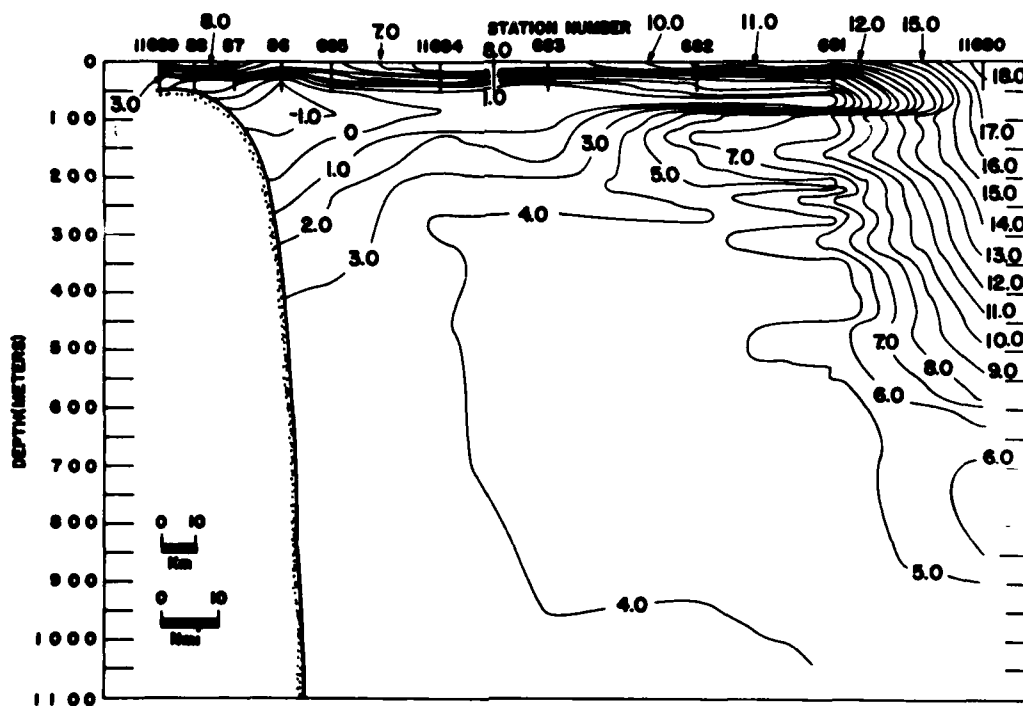


FIGURE 50. Vertical temperature ( $^{\circ}\text{C}$ ) section A-3A, occupied by CGC EVERGREEN, 2-3 July 1974.

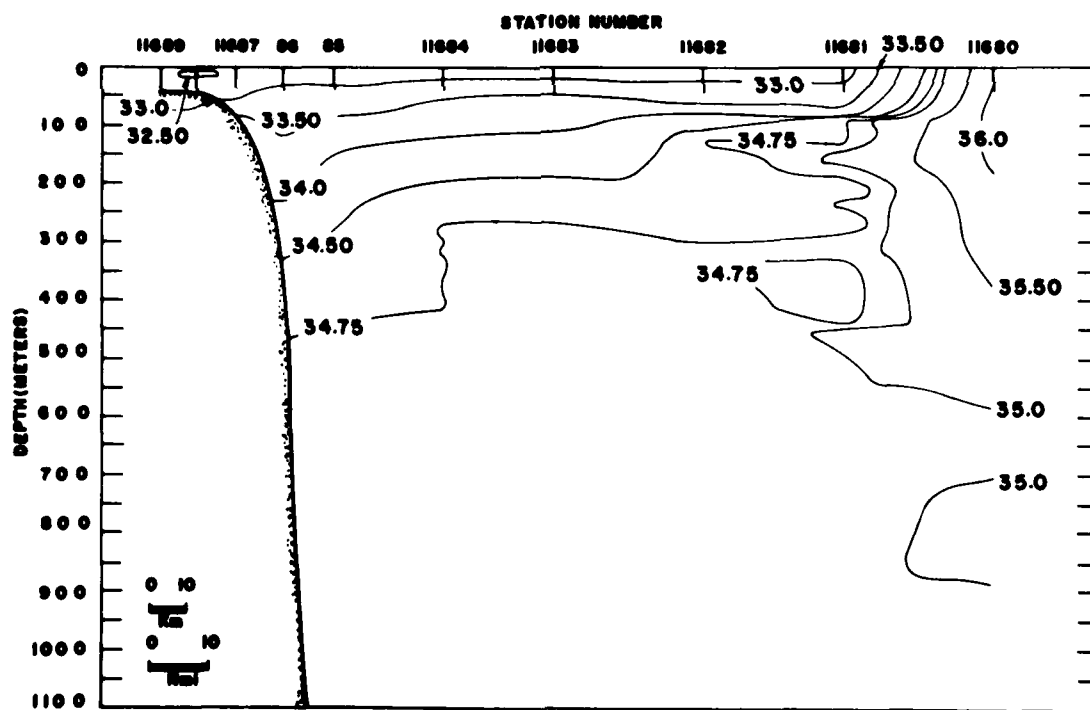


FIGURE 51. Vertical salinity ( $\text{‰}$ ) section A-3A, occupied by CGC EVERGREEN, 2-3 July 1974.

## APPENDIX A

### OCEANOGRAPHIC DATA

#### Cruises Listed

Table I. CGC EVERGREEN, April-June 1974  
 Table II. CGC CHASE, March 1974  
 Table III. CGC SHERMAN, October 1974

#### Codes Utilized

To facilitate use of the oceanographic station data listing, entry headings which are not self-explanatory are described below.

Latitude ..... Degrees and minutes of latitude.  
 Longitude ..... Degrees and minutes of longitude  
 Depth to bottom ..... Uncorrected soundings in meters.

#### Wave observations:

DIR. .... Rounded to nearest multiple of 10 degrees.  
 HGT..... Increments of  $\frac{1}{2}$  meter. Sum of 5 meters plus increments of  $\frac{1}{2}$  meters if 50 is added to direction.  
 PER..... If numerals 2 through 9 are entered, period in seconds is either twice the numeric entry or 2X (numeric entry) + 1. 0 = 20 or 21 sec. 1 = over 21 seconds. X = calm or not determined.  
 SEA ..... Sea state according to WMO Code 3700.

| <i>Code</i> | <i>Height</i> | <i>Code</i> | <i>Height</i> |
|-------------|---------------|-------------|---------------|
| 0           | 0 m           | 5           | 2.5-4m        |
| 1           | 0-0.1m        | 6           | 4-6m          |
| 2           | 0.1-0.5m      | 7           | 6-9m          |
| 3           | 0.5-1.25m     | 8           | 9-14m         |
| 4           | 1.25-2.5m     | 9           | □ 14m         |

Weather Code ..... Weather according to WMO Code 4501.

| <i>Code</i> |                               | <i>Code</i> |                              |
|-------------|-------------------------------|-------------|------------------------------|
| 0           | Clear                         | 5           | Drizzle                      |
| 1           | Partly cloudy                 | 6           | Rain                         |
| 2           | Cont. layers of clouds        | 7           | Snow and rain and snow mixed |
| 3           | Blowing snow, sandstorm, etc. | 8           | Shower(s)                    |
| 4           | Fog, haze, dust               | 9           | Thunderstorm(s)              |

**Cloud Code**

**Type** ..... Cloud type according to WMO Code 0500.

| <i>Code</i> | <i>Type</i>  | <i>Code</i> | <i>Type</i>   |
|-------------|--------------|-------------|---------------|
| 0           | Cirrus       | 5           | Nimbostratus  |
| 1           | Cirrocumulus | 6           | Stratocumulus |
| 2           | Cirrostratus | 7           | Stratus       |
| 3           | Alto cumulus | 8           | Cumulus       |
| 4           | Altostratus  | 9           | Cumulonimbus  |

**X** Clouds not visible due to darkness, fog, or other analagous phenomena

**Amount** ..... Cloud amount in eighths. Entry of the numeral 9 indicates cloud amount could not be estimated.

**Wind**

**Dir.** ..... Rounded to nearest multiple of 10 degrees.

**Speed** ..... Wind speed in knots.

**Barometer** ..... Barometric pressure given in tens, units, and tenths of millibars.

**Vis. Code** ..... Visibility according to WMO Code 4300.

| <i>Code</i> | <i>Visibility</i> | <i>Code</i> | <i>Visibility</i> |
|-------------|-------------------|-------------|-------------------|
| 0           | Less than 50m     | 5           | 2-4km             |
| 1           | 50-200m           | 6           | 4-10km            |
| 2           | 200-500m          | 7           | 10-20km           |
| 3           | 500-1000m         | 8           | 20-50km           |
| 4           | 1-2km             | 9           | 50km or more      |

**Dyn. Ht.** ..... Dynamic height in dynamic meters with respect to 1000 decibar reference surface.

**Messenger time** ..... Entered in hours and tenths of an hour. Indicates the starting time for lowering the STD sensor.

**Depth** ..... Depth to nearest meter.

**Temp.** ..... Temperature to hundredths of a degree Celsius.

**Sal.** ..... Salinity to hundredths of a part per thousand.

**Sig-t** ..... Sigma-t value.

TABLE I. CGC EVERGREEN, April-June 1974

REFID 31 8370 YEAR 1974 BOTDP 00062 AIR TEMP 01.4 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306  
 CONSEC 0001 MONTH 04 SHIP EV WET BULB 00.8 20 2 4 WIND-SPD 13 TRACE DIR 0 5 SQUARE 2  
 LAT 44 44.5N DAY 08 DATA USE 1 BAROMETR 1030.0 SEA WIND-FOR DURATION 00.1 2 SQUARE 48  
 LONG 049 27.0W HOUR 22.5 AREA 05 CLCUD T/A CL/TR WEATHER X1 ORIG 011 491 1 SQUARE 49

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.5        | STD   | 00000 | 00.44  | 32.88  | 26.40   | 00.000  | 1448.4  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 00.44  | 32.880 | 26.40   |         | 1448.4  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 00.38  | 32.893 | 26.41   |         | 1448.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.32  | 32.89  | 26.41   | 00.016  | 1448.0  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | - 0.01 | 32.876 | 26.42   |         | 1448.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.39 | 33.00  | 26.54   | 00.032  | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.43 | 33.013 | 26.55   |         | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.63 | 33.04  | 26.57   | 00.047  | 1444.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.64 | 33.040 | 26.57   |         | 1444.1  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | - 0.70 | 33.123 | 26.65   |         | 1444.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.66 | 33.14  | 26.66   | 00.076  | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.66 | 33.140 | 26.66   |         | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | - 0.66 | 33.140 | 26.66   |         | 1444.6  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00068 AIR TEMP 02.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306  
 CONSEC 0002 MONTH 04 SHIP EV WET BULB 01.2 16 2 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 44 41.5N DAY 09 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 48  
 LONG 049 06.0W HOUR 05.7 AREA 05 CLCUD T/A CL/TR WEATHER X0 ORIG 011 492 1 SQUARE 49

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 05.7        | STD   | 00000 | 00.03  | 32.30  | 25.95   | 00.000  | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 00.03  | 32.300 | 25.95   |         | 1445.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.04 | 32.32  | 25.97   | 00.021  | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.04 | 32.320 | 25.97   |         | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00014 | - 0.46 | 32.350 | 26.01   |         | 1443.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.64 | 32.37  | 26.03   | 00.041  | 1443.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.64 | 32.370 | 26.03   |         | 1443.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.93 | 32.44  | 26.10   | 00.060  | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.93 | 32.440 | 26.10   |         | 1441.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.99 | 32.48  | 26.13   | 00.098  | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 0.99 | 32.480 | 26.13   |         | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | - 1.04 | 32.510 | 26.16   |         | 1442.0  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00146 AIR TEMP 02.8 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1306  
 CONSEC 0003 MONTH 04 SHIP EV WET BULB 01.2 16 2 2 WIND-SPD 04 TRACE DIR 0 5 SQUARE 2  
 LAT 44 39.0N DAY 09 DATA USE 1 BAROMETR 1029.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 48  
 LONG 049 05.5W HOUR 06.6 AREA 05 CLCUD T/A CL/TR WEATHER X0 ORIG 011 493 1 SQUARE 49

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.6        | STD   | 00000 | - 0.12 | 32.71  | 26.29   | 00.000  | 1445.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.12 | 32.708 | 26.29   |         | 1445.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.12 | 32.71  | 26.29   | 00.017  | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.12 | 32.708 | 26.29   |         | 1445.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.33 | 32.73  | 26.31   | 00.035  | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.33 | 32.726 | 26.31   |         | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00025 | - 0.84 | 32.801 | 26.39   |         | 1442.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.85 | 32.82  | 26.40   | 00.052  | 1442.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.85 | 32.817 | 26.40   |         | 1442.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.94 | 32.86  | 26.44   | 00.084  | 1442.8  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 0.94 | 32.860 | 26.44   |         | 1442.8  |      |     |       |     |     |      |    |
|             | OBS   | 00058 | - 0.99 | 32.886 | 26.46   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | - 1.00 | 32.894 | 26.47   |         | 1442.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.08 | 32.91  | 26.49   | 00.123  | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.08 | 32.913 | 26.49   |         | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | - 1.24 | 32.976 | 26.54   |         | 1442.1  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.35 | 33.05  | 26.61   | 00.160  | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.35 | 33.050 | 26.61   |         | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00105 | - 1.29 | 33.080 | 26.63   |         | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00119 | - 1.28 | 33.110 | 26.65   |         | 1442.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.20 | 33.18  | 26.71   | 00.195  | 1443.3  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.20 | 33.184 | 26.71   |         | 1443.3  |      |     |       |     |     |      |    |
|             | OBS   | 00130 | - 1.16 | 33.234 | 26.75   |         | 1443.6  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 ROTOP 00347 AIR TEMP 03.4 DIR HGT PER WIND-DIR 01 INST STD PECLAUER TEN SW 1300  
 CONSEC 0004 MONTH 04 SHIP EV MET BULB 02.4 17 1 2 WIND-SPD 14 TRACE DIR U 5 SQUARE 2  
 LAT 44 37.5N DAY 09 DATA USE 1 BAROMETER 1029.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 48  
 LONG 049 03.5W HOUR 07.2 AREA 05 CLOUD T/A CL/TA WEATHER X1 CRIG D11 4% 1 SQUARE 49

| CASSTN/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | DRYG | PO4 | TGT P | NO2 | NO3 | SIU3 | PK |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.2        | STD   | 00000 | 00.04  | 32.73  | 26.30   | 00.000  | 1446.3  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 00.04  | 32.729 | 26.30   |         | 1446.3  |      |     |       |     |     |      |    |
|             | OBS   | 00006 | 00.03  | 32.740 | 26.30   |         | 1446.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.23 | 32.72  | 26.30   | 00.017  | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.23 | 32.717 | 26.30   |         | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00014 | - 0.40 | 32.783 | 26.37   |         | 1443.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.70 | 32.80  | 26.38   | 00.034  | 1443.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.70 | 32.799 | 26.38   |         | 1443.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.00 | 32.87  | 26.45   | 00.050  | 1442.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.00 | 32.872 | 26.45   |         | 1442.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.16 | 32.91  | 26.49   | 00.082  | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.16 | 32.912 | 26.49   |         | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | - 1.32 | 32.952 | 26.53   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.30 | 32.97  | 26.54   | 00.120  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.30 | 32.968 | 26.54   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.38 | 32.944 | 26.52   |         | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00088 | - 1.41 | 32.993 | 26.56   |         | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.39 | 33.03  | 26.59   | 00.157  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.39 | 33.024 | 26.59   |         | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.31 | 33.17  | 26.70   | 00.192  | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.31 | 33.168 | 26.70   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00138 | - 1.23 | 33.216 | 26.74   |         | 1443.4  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 1.03 | 33.34  | 26.83   | 00.224  | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 1.03 | 33.337 | 26.83   |         | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00157 | - 0.99 | 33.341 | 26.83   |         | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00174 | - 0.87 | 33.420 | 26.89   |         | 1445.9  |      |     |       |     |     |      |    |
|             | OBS   | 00183 | - 0.68 | 33.488 | 26.94   |         | 1447.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | - 0.45 | 33.59  | 27.01   | 00.281  | 1448.6  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | - 0.45 | 33.588 | 27.01   |         | 1448.6  |      |     |       |     |     |      |    |
|             | OBS   | 00210 | - 0.13 | 33.693 | 27.08   |         | 1450.3  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 00.19  | 33.809 | 27.16   |         | 1452.1  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 00.48  | 33.919 | 27.23   |         | 1453.7  |      |     |       |     |     |      |    |
|             | OBS   | 00238 | 00.64  | 33.971 | 27.26   |         | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00244 | 00.66  | 33.976 | 27.27   |         | 1454.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 00.76  | 34.03  | 27.30   | 00.327  | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 00.76  | 34.028 | 27.30   |         | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00258 | 00.83  | 34.048 | 27.31   |         | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00278 | 00.89  | 34.081 | 27.34   |         | 1456.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 01.18  | 34.18  | 27.40   | 00.363  | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 01.18  | 34.183 | 27.40   |         | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00303 | 01.18  | 34.184 | 27.40   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00318 | 01.44  | 34.249 | 27.45   |         | 1460.0  |      |     |       |     |     |      |    |
|             | OBS   | 00324 | 01.47  | 34.293 | 27.47   |         | 1460.3  |      |     |       |     |     |      |    |
|             | OBS   | 00334 | 01.74  | 34.362 | 27.50   |         | 1461.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BQTOP 00405 | AIA TEMP 01.8   | DIA HGT PER | WIND-DIR 17 | INST STD RECORDER | YEN SQ 1904 |
| CONSEC 0005    | MONTH 04  | SHIP EV     | NET BULB 00.9   | 49 X X      | WIND-SPD 10 | TRACE DIR         | 5 SQUARE 2  |
| LAT 44 38.2N   | DAY 09    | DATA USE 1  | BAROMETR 1029.8 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 48 |
| LONG 048 59.5W | MOOR 08.5 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 495      | 1 SQUARE 48 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.5        | STD     | 00000 | - 0.85 | 32.86  | 26.43   | 00.000  | 1442.4  |      |     |       |     |     |      |    |
|             | OBS     | 00000 | - 0.85 | 32.856 | 26.43   |         | 1442.4  |      |     |       |     |     |      |    |
|             | STD     | 00010 | - 0.85 | 32.86  | 26.43   | 00.016  | 1442.5  |      |     |       |     |     |      |    |
|             | OBS     | 00010 | - 0.85 | 32.856 | 26.43   |         | 1442.5  |      |     |       |     |     |      |    |
|             | STD     | 00020 | - 0.84 | 32.85  | 26.43   | 00.032  | 1442.8  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | - 0.84 | 32.855 | 26.43   |         | 1442.8  |      |     |       |     |     |      |    |
|             | STD     | 00030 | - 0.88 | 32.86  | 26.44   | 00.048  | 1442.7  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | - 0.88 | 32.861 | 26.44   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS     | 00034 | - 0.91 | 32.911 | 26.48   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS     | 00039 | - 1.05 | 32.920 | 26.49   |         | 1442.2  |      |     |       |     |     |      |    |
|             | OBS     | 00044 | - 1.29 | 32.943 | 26.52   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD     | 00050 | - 1.36 | 32.95  | 26.52   | 00.079  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS     | 00059 | - 1.44 | 32.960 | 26.54   |         | 1440.7  |      |     |       |     |     |      |    |
|             | STD     | 00075 | - 1.55 | 32.97  | 26.55   | 00.117  | 1440.5  |      |     |       |     |     |      |    |
|             | OBS     | 00084 | - 1.57 | 32.997 | 26.57   |         | 1440.6  |      |     |       |     |     |      |    |
|             | STD     | 00100 | - 1.52 | 33.06  | 26.62   | 00.153  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS     | 00100 | - 1.52 | 33.065 | 26.62   |         | 1441.2  |      |     |       |     |     |      |    |
|             | OBS     | 00108 | - 1.52 | 33.184 | 26.72   |         | 1441.5  |      |     |       |     |     |      |    |
|             | STD     | 00125 | - 1.37 | 33.36  | 26.86   | 00.186  | 1442.7  |      |     |       |     |     |      |    |
|             | OBS     | 00125 | - 1.37 | 33.364 | 26.86   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS     | 00134 | - 1.03 | 33.524 | 26.98   |         | 1444.7  |      |     |       |     |     |      |    |
|             | STD     | 00150 | - 0.89 | 33.57  | 27.01   | 00.214  | 1445.7  |      |     |       |     |     |      |    |
|             | OBS     | 00165 | - 0.47 | 33.620 | 27.04   |         | 1447.9  |      |     |       |     |     |      |    |
|             | OBS     | 00169 | - 0.31 | 33.668 | 27.07   |         | 1448.8  |      |     |       |     |     |      |    |
|             | OBS     | 00175 | - 0.18 | 33.669 | 27.06   |         | 1449.5  |      |     |       |     |     |      |    |
|             | OBS     | 00185 | - 0.17 | 33.696 | 27.08   |         | 1449.8  |      |     |       |     |     |      |    |
|             | OBS     | 00188 | - 0.16 | 33.707 | 27.09   |         | 1449.9  |      |     |       |     |     |      |    |
|             | OBS     | 00195 | - 0.04 | 33.747 | 27.12   |         | 1450.6  |      |     |       |     |     |      |    |
|             | STD     | 00200 | - 0.02 | 33.75  | 27.12   | 00.264  | 1450.8  |      |     |       |     |     |      |    |
|             | OBS     | 00200 | - 0.02 | 33.750 | 27.12   |         | 1450.8  |      |     |       |     |     |      |    |
|             | OBS     | 00210 | 00.06  | 33.793 | 27.15   |         | 1451.4  |      |     |       |     |     |      |    |
|             | OBS     | 00221 | 00.16  | 33.869 | 27.21   |         | 1452.1  |      |     |       |     |     |      |    |
|             | OBS     | 00229 | 00.18  | 33.945 | 27.27   |         | 1452.4  |      |     |       |     |     |      |    |
|             | OBS     | 00235 | 00.53  | 34.000 | 27.29   |         | 1454.2  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 00.71  | 34.04  | 27.32   | 00.307  | 1455.3  |      |     |       |     |     |      |    |
|             | OBS     | 00260 | 00.85  | 34.084 | 27.34   |         | 1456.2  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 01.53  | 34.31  | 27.48   | 00.341  | 1460.2  |      |     |       |     |     |      |    |
|             | OBS     | 00300 | 01.53  | 34.314 | 27.48   |         | 1460.2  |      |     |       |     |     |      |    |
|             | OBS     | 00310 | 01.53  | 34.382 | 27.53   |         | 1460.4  |      |     |       |     |     |      |    |
|             | OBS     | 00316 | 01.58  | 34.406 | 27.55   |         | 1460.8  |      |     |       |     |     |      |    |
|             | OBS     | 00326 | 01.96  | 34.434 | 27.54   |         | 1462.7  |      |     |       |     |     |      |    |
|             | OBS     | 00340 | 01.92  | 34.452 | 27.56   |         | 1462.8  |      |     |       |     |     |      |    |
|             | OBS     | 00345 | 02.08  | 34.493 | 27.58   |         | 1463.6  |      |     |       |     |     |      |    |
|             | OBS     | 00350 | 02.19  | 34.500 | 27.58   |         | 1464.2  |      |     |       |     |     |      |    |
|             | OBS     | 00356 | 02.08  | 34.493 | 27.58   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS     | 00365 | 02.18  | 34.510 | 27.59   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS     | 00370 | 02.16  | 34.551 | 27.62   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS     | 00386 | 02.22  | 34.615 | 27.67   |         | 1465.1  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 02.44  | 34.62  | 27.65   | 00.396  | 1466.3  |      |     |       |     |     |      |    |
|             | OBS     | 00400 | 02.44  | 34.618 | 27.65   |         | 1466.3  |      |     |       |     |     |      |    |
|             | OBS     | 00411 | 02.53  | 34.635 | 27.66   |         | 1466.9  |      |     |       |     |     |      |    |
|             | OBS     | 00419 | 02.57  | 34.640 | 27.66   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS     | 00465 | 02.94  | 34.727 | 27.69   |         | 1469.6  |      |     |       |     |     |      |    |
|             | OBS     | 00479 | 02.94  | 34.744 | 27.71   |         | 1469.9  |      |     |       |     |     |      |    |
|             | OBS     | 00490 | 02.95  | 34.820 | 27.77   |         | 1470.2  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 03.10  | 34.83  | 27.76   | 00.439  | 1471.0  |      |     |       |     |     |      |    |
|             | OBS     | 00509 | 03.21  | 34.846 | 27.76   |         | 1471.7  |      |     |       |     |     |      |    |
|             | OBS     | 00520 | 03.33  | 34.874 | 27.78   |         | 1472.4  |      |     |       |     |     |      |    |
|             | OBS     | 00530 | 03.36  | 34.898 | 27.79   |         | 1472.8  |      |     |       |     |     |      |    |
|             | OBS     | 00539 | 03.50  | 34.915 | 27.79   |         | 1473.5  |      |     |       |     |     |      |    |
|             | OBS     | 00560 | 03.68  | 34.934 | 27.79   |         | 1474.7  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 03.68  | 34.92  | 27.78   | 00.477  | 1475.3  |      |     |       |     |     |      |    |
|             | OBS     | 00600 | 03.68  | 34.924 | 27.78   |         | 1475.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 02195 | AIR TEMP 01.7   | DIR MGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0006    | MONTH 04  | SHIP EV     | WET BULB 00.9   | 16 0 2      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 35.8N   | DAY 09    | DATA USE 1  | BAROMETR 1030.1 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 47.0W | HOUR 10.3 | AREA 05     | CLCUD T/A       | CL/YR       | WEATHER X1  | CRIG 011 496      | 1 SQUARE 48 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 10.3        | STD   | 00000 | - 1.14 | 32.63  | 26.26   | 00.000   | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.14 | 32.625 | 26.26   |          | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00006 | - 1.15 | 32.643 | 26.27   |          | 1440.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.20 | 32.65  | 26.28   | 00.018   | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.20 | 32.650 | 26.28   |          | 1440.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.25 | 32.66  | 26.29   | 00.035   | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.25 | 32.657 | 26.29   |          | 1440.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.39 | 32.71  | 26.33   | 00.052   | 1440.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.39 | 32.710 | 26.33   |          | 1440.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.45 | 32.74  | 26.35   | 00.086   | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.45 | 32.736 | 26.35   |          | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00056 | - 1.42 | 32.808 | 26.41   |          | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | - 1.05 | 32.921 | 26.49   |          | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | - 0.45 | 33.217 | 26.71   |          | 1445.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 0.06 | 33.30  | 26.76   | 00.123   | 1447.9  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | 00.22  | 33.387 | 26.82   |          | 1449.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 00.62  | 33.58  | 26.95   | 00.153   | 1451.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 00.62  | 33.580 | 26.95   |          | 1451.8  |      |     |       |     |     |      |    |
|             | OBS   | 00109 | 00.99  | 33.845 | 27.14   |          | 1454.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.36  | 33.98  | 27.15   | 00.179   | 1460.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.36  | 33.978 | 27.15   |          | 1460.5  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 03.05  | 34.104 | 27.19   |          | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00144 | 03.17  | 34.165 | 27.23   |          | 1464.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.17  | 34.18  | 27.24   | 00.201   | 1464.7  |      |     |       |     |     |      |    |
|             | OBS   | 00166 | 03.18  | 34.237 | 27.28   |          | 1465.1  |      |     |       |     |     |      |    |
|             | OBS   | 00179 | 03.40  | 34.307 | 27.32   |          | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00195 | 04.54  | 34.435 | 27.30   |          | 1471.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.49  | 34.44  | 27.31   | 00.242   | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 04.49  | 34.443 | 27.31   |          | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 04.56  | 34.454 | 27.31   |          | 1471.8  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.34  | 34.49  | 27.37   | 00.281   | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 04.34  | 34.494 | 27.37   |          | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00266 | 04.30  | 34.517 | 27.39   |          | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00273 | 04.23  | 34.527 | 27.41   |          | 1471.7  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.22  | 34.56  | 27.43   | 00.316   | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00306 | 04.20  | 34.567 | 27.44   |          | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00320 | 04.13  | 34.586 | 27.47   |          | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00332 | 04.16  | 34.601 | 27.47   |          | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00379 | 04.01  | 34.624 | 27.51   |          | 1472.6  |      |     |       |     |     |      |    |
|             | OBS   | 00394 | 04.01  | 34.688 | 27.54   |          | 1472.9  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.11  | 34.67  | 27.53   | 00.381   | 1473.5  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 04.11  | 34.667 | 27.53   |          | 1473.5  |      |     |       |     |     |      |    |
|             | OBS   | 00407 | 04.04  | 34.655 | 27.53   |          | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00466 | 03.93  | 34.714 | 27.59   |          | 1473.9  |      |     |       |     |     |      |    |
|             | OBS   | 00485 | 03.94  | 34.743 | 27.61   |          | 1474.3  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.03  | 34.78  | 27.63   | 00.437   | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.03  | 34.781 | 27.63   |          | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00506 | 04.06  | 34.783 | 27.63   |          | 1475.2  |      |     |       |     |     |      |    |
|             | OBS   | 00532 | 04.03  | 34.808 | 27.65   |          | 1475.5  |      |     |       |     |     |      |    |
|             | OBS   | 00559 | 04.01  | 34.830 | 27.67   |          | 1475.9  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.85  | 34.85  | 27.70   | 00.485   | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 03.85  | 34.848 | 27.70   |          | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00621 | 03.73  | 34.853 | 27.72   |          | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00666 | 03.69  | 34.890 | 27.75   |          | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00675 | 03.69  | 34.894 | 27.76   |          | 1476.6  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.69  | 34.90  | 27.76   | 00.529   | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.69  | 34.895 | 27.76   |          | 1477.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.69  | 34.90  | 27.76   | 00.570   | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 03.69  | 34.899 | 27.76   |          | 1478.6  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.69  | 34.90  | 27.76   | 00.613   | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.69  | 34.895 | 27.76   |          | 1480.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.69  | 34.90  | 27.76   | 00.656   | 1482.0  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 03.69  | 34.894 | 27.76   |          | 1482.0  |      |     |       |     |     |      |    |

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TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 02926 | AIR TEMP 03.4    | GIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0007    | MONTH 04  | SHIP EV     | WET BULB 02.3    | 07 1 3      | WIND-SPD 09 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 44 32.7N   | DAY 09    | DATA USE 1  | BAROMETER 1027.3 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 31.0W | HOOR 12.7 | AREA 05     | CLUOD T/A        | CL/7R       | WEATHER X1  | CRIG 011 497      | 1 SQUARE 48 |

| CASTNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PU4 | TOT P | NO2 | NO3 | SIG3 | PH |
|--------------|---------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 12.7         | STD     | 00000 | 02.50 | 33.03  | 26.38   | 00.000  | 1457.8  |      |     |       |     |     |      |    |
|              | OBS     | 00000 | 02.50 | 33.03u | 26.38   |         | 1457.8  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 02.56 | 33.06  | 26.40   | 00.016  | 1458.2  |      |     |       |     |     |      |    |
|              | OBS     | 00010 | 02.56 | 33.06u | 26.40   |         | 1458.2  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 02.58 | 33.07  | 26.40   | 00.033  | 1458.5  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 02.58 | 33.07u | 26.40   |         | 1458.5  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 02.60 | 33.08  | 26.41   | 00.049  | 1458.8  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 02.60 | 33.08u | 26.41   |         | 1458.8  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 02.65 | 33.10  | 26.42   | 00.082  | 1459.3  |      |     |       |     |     |      |    |
|              | OBS     | 00050 | 02.65 | 33.10u | 26.42   |         | 1459.3  |      |     |       |     |     |      |    |
|              | OBS     | 00069 | 02.70 | 33.200 | 26.50   |         | 1460.0  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 02.82 | 33.19  | 26.48   | 00.121  | 1460.6  |      |     |       |     |     |      |    |
|              | OBS     | 00075 | 02.82 | 33.19u | 26.48   |         | 1460.6  |      |     |       |     |     |      |    |
|              | OBS     | 00083 | 01.90 | 33.24u | 26.59   |         | 1456.8  |      |     |       |     |     |      |    |
|              | OBS     | 00090 | 01.74 | 33.46u | 26.78   |         | 1456.5  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 01.96 | 33.55  | 26.84   | 00.156  | 1457.7  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | 01.96 | 33.55u | 26.84   |         | 1457.7  |      |     |       |     |     |      |    |
|              | OBS     | 00111 | 03.05 | 33.81u | 26.95   |         | 1463.0  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 03.48 | 33.93  | 27.01   | 00.185  | 1465.3  |      |     |       |     |     |      |    |
|              | OBS     | 00125 | 03.48 | 33.93u | 27.01   |         | 1465.3  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 04.26 | 34.07  | 27.04   | 00.211  | 1469.2  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 04.26 | 34.07u | 27.04   |         | 1469.2  |      |     |       |     |     |      |    |
|              | OBS     | 00167 | 04.55 | 34.100 | 27.03   |         | 1470.7  |      |     |       |     |     |      |    |
|              | OBS     | 00193 | 05.02 | 34.300 | 27.14   |         | 1473.3  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 04.73 | 34.29  | 27.17   | 00.261  | 1472.2  |      |     |       |     |     |      |    |
|              | OBS     | 00200 | 04.73 | 34.29u | 27.17   |         | 1472.2  |      |     |       |     |     |      |    |
|              | OBS     | 00210 | 04.23 | 34.27u | 27.20   |         | 1470.3  |      |     |       |     |     |      |    |
|              | OBS     | 00241 | 04.17 | 34.30u | 27.23   |         | 1470.6  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 03.91 | 34.30  | 27.26   | 00.305  | 1469.6  |      |     |       |     |     |      |    |
|              | OBS     | 00250 | 03.91 | 34.30u | 27.26   |         | 1469.6  |      |     |       |     |     |      |    |
|              | OBS     | 00266 | 03.86 | 34.34u | 27.30   |         | 1469.8  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 04.33 | 34.46  | 27.34   | 00.345  | 1472.4  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 04.33 | 34.46u | 27.34   |         | 1472.4  |      |     |       |     |     |      |    |
|              | OBS     | 00312 | 04.52 | 34.49u | 27.35   |         | 1473.5  |      |     |       |     |     |      |    |
|              | OBS     | 00361 | 04.77 | 34.570 | 27.38   |         | 1475.4  |      |     |       |     |     |      |    |
|              | OBS     | 00373 | 04.70 | 34.570 | 27.39   |         | 1475.3  |      |     |       |     |     |      |    |
|              | OBS     | 00382 | 04.70 | 34.600 | 27.41   |         | 1475.5  |      |     |       |     |     |      |    |
|              | OBS     | 00391 | 04.77 | 34.61u | 27.41   |         | 1476.0  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 04.77 | 34.62  | 27.42   | 00.419  | 1476.1  |      |     |       |     |     |      |    |
|              | OBS     | 00400 | 04.77 | 34.62u | 27.42   |         | 1476.1  |      |     |       |     |     |      |    |
|              | OBS     | 00433 | 04.52 | 34.610 | 27.44   |         | 1475.6  |      |     |       |     |     |      |    |
|              | OBS     | 00442 | 04.41 | 34.62u | 27.46   |         | 1475.3  |      |     |       |     |     |      |    |
|              | OBS     | 00452 | 04.46 | 34.63u | 27.46   |         | 1475.7  |      |     |       |     |     |      |    |
|              | OBS     | 00471 | 04.37 | 34.630 | 27.47   |         | 1475.7  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 04.34 | 34.65  | 27.45   | 00.487  | 1476.0  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 04.34 | 34.65u | 27.49   |         | 1476.0  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 04.15 | 34.70  | 27.55   | 00.550  | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00600 | 04.15 | 34.70u | 27.55   |         | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00661 | 04.02 | 34.730 | 27.59   |         | 1477.5  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 04.03 | 34.75  | 27.61   | 00.608  | 1478.2  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 04.03 | 34.75u | 27.61   |         | 1478.2  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 03.84 | 34.79  | 27.66   | 00.662  | 1479.1  |      |     |       |     |     |      |    |
|              | OBS     | 00800 | 03.84 | 34.79u | 27.66   |         | 1479.1  |      |     |       |     |     |      |    |
|              | OBS     | 00844 | 03.75 | 34.810 | 27.68   |         | 1480.5  |      |     |       |     |     |      |    |
|              | OBS     | 00870 | 03.88 | 34.82u | 27.68   |         | 1480.2  |      |     |       |     |     |      |    |
|              | OBS     | 00880 | 03.77 | 34.84u | 27.70   |         | 1480.5  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 03.75 | 34.84  | 27.71   | 00.712  | 1480.5  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 03.75 | 34.84u | 27.71   |         | 1480.5  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.72 | 34.90  | 27.76   | 00.757  | 1482.1  |      |     |       |     |     |      |    |
|              | OBS     | 01000 | 03.72 | 34.90u | 27.76   |         | 1482.1  |      |     |       |     |     |      |    |
|              | OBS     | 01031 | 03.68 | 34.91u | 27.77   |         | 1482.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03339 | AIR TEMP 04.4    | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEM SQ 1306 |
| CONSEC 0000    | MONTH 04  | SHIP EV     | MET BULB 05.3    | 04 0 2      | WIND-SPD 00 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 44 28.8N   | DAY 09    | DATA USE 1  | BAROMETER 1031.7 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 13.0N | HOUR 15.2 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 498      | 1 SQUARE 48 |

|             |         |       |       |        |         |         |         |      |     |       |     |     |      |    |
|-------------|---------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| CASHTN/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | DRYG | PD4 | TOT P | NO2 | NO3 | S103 | PH |
| 15.2        | STD     | 00000 | 00.93 | 33.28  | 24.49   | 00.000  | 1451.1  |      |     |       |     |     |      |    |
|             | OBS     | 00000 | 00.93 | 33.280 | 24.49   |         | 1451.1  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 00.93 | 33.28  | 24.49   | 00.014  | 1451.3  |      |     |       |     |     |      |    |
|             | OBS     | 00010 | 00.93 | 33.280 | 24.49   |         | 1451.3  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 02.44 | 33.51  | 24.77   | 00.027  | 1450.6  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 02.44 | 33.511 | 24.77   |         | 1450.6  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 02.55 | 33.53  | 24.78   | 00.040  | 1450.2  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 02.55 | 33.535 | 24.78   |         | 1450.2  |      |     |       |     |     |      |    |
|             | OBS     | 00040 | 02.68 | 33.536 | 24.77   |         | 1450.9  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 03.24 | 33.63  | 24.80   | 00.065  | 1448.6  |      |     |       |     |     |      |    |
|             | OBS     | 00059 | 03.47 | 33.680 | 24.81   |         | 1443.4  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 03.25 | 33.66  | 24.81   | 00.097  | 1443.1  |      |     |       |     |     |      |    |
|             | OBS     | 00075 | 03.25 | 33.657 | 24.81   |         | 1443.1  |      |     |       |     |     |      |    |
|             | OBS     | 00097 | 03.29 | 34.114 | 27.17   |         | 1444.2  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 03.27 | 34.20  | 27.25   | 00.123  | 1444.3  |      |     |       |     |     |      |    |
|             | OBS     | 00100 | 03.27 | 34.202 | 27.25   |         | 1444.3  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 04.25 | 34.35  | 27.27   | 00.143  | 1449.1  |      |     |       |     |     |      |    |
|             | OBS     | 00125 | 04.25 | 34.354 | 27.27   |         | 1449.1  |      |     |       |     |     |      |    |
|             | OBS     | 00142 | 04.91 | 34.506 | 27.32   |         | 1472.5  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 04.68 | 34.50  | 27.34   | 00.163  | 1471.5  |      |     |       |     |     |      |    |
|             | OBS     | 00150 | 04.68 | 34.500 | 27.34   |         | 1471.5  |      |     |       |     |     |      |    |
|             | OBS     | 00173 | 03.77 | 34.453 | 27.40   |         | 1468.0  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 04.88 | 34.79  | 27.54   | 00.197  | 1473.5  |      |     |       |     |     |      |    |
|             | OBS     | 00200 | 04.88 | 34.787 | 27.54   |         | 1473.5  |      |     |       |     |     |      |    |
|             | OBS     | 00239 | 04.87 | 34.789 | 27.54   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 04.92 | 34.82  | 27.54   | 00.225  | 1474.6  |      |     |       |     |     |      |    |
|             | OBS     | 00250 | 04.92 | 34.819 | 27.54   |         | 1474.6  |      |     |       |     |     |      |    |
|             | OBS     | 00295 | 05.51 | 34.976 | 27.62   |         | 1477.9  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 05.30 | 34.99  | 27.64   | 00.252  | 1477.2  |      |     |       |     |     |      |    |
|             | OBS     | 00300 | 05.30 | 34.995 | 27.64   |         | 1477.2  |      |     |       |     |     |      |    |
|             | OBS     | 00308 | 05.33 | 35.026 | 27.65   |         | 1478.3  |      |     |       |     |     |      |    |
|             | OBS     | 00329 | 05.63 | 35.050 | 27.64   |         | 1479.1  |      |     |       |     |     |      |    |
|             | OBS     | 00370 | 04.55 | 34.931 | 27.69   |         | 1475.2  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 04.44 | 34.95  | 27.72   | 00.297  | 1475.2  |      |     |       |     |     |      |    |
|             | OBS     | 00400 | 04.44 | 34.951 | 27.72   |         | 1475.2  |      |     |       |     |     |      |    |
|             | OBS     | 00420 | 04.47 | 34.985 | 27.75   |         | 1475.7  |      |     |       |     |     |      |    |
|             | OBS     | 00437 | 04.39 | 35.001 | 27.77   |         | 1475.7  |      |     |       |     |     |      |    |
|             | OBS     | 00457 | 04.41 | 35.017 | 27.78   |         | 1476.1  |      |     |       |     |     |      |    |
|             | OBS     | 00480 | 04.31 | 35.027 | 27.80   |         | 1476.1  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.31 | 35.05  | 27.81   | 00.336  | 1476.5  |      |     |       |     |     |      |    |
|             | OBS     | 00500 | 04.31 | 35.051 | 27.81   |         | 1476.5  |      |     |       |     |     |      |    |
|             | OBS     | 00544 | 04.25 | 35.086 | 27.83   |         | 1477.4  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.17 | 35.11  | 27.88   | 00.368  | 1477.6  |      |     |       |     |     |      |    |
|             | OBS     | 00600 | 04.17 | 35.106 | 27.88   |         | 1477.6  |      |     |       |     |     |      |    |
|             | OBS     | 00618 | 04.09 | 35.116 | 27.89   |         | 1477.6  |      |     |       |     |     |      |    |
|             | OBS     | 00638 | 04.25 | 35.155 | 27.90   |         | 1478.6  |      |     |       |     |     |      |    |
|             | OBS     | 00679 | 04.25 | 35.173 | 27.92   |         | 1479.3  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.17 | 35.18  | 27.93   | 00.396  | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 04.17 | 35.181 | 27.93   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00719 | 04.15 | 35.193 | 27.95   |         | 1479.6  |      |     |       |     |     |      |    |
|             | OBS     | 00727 | 04.16 | 35.220 | 27.97   |         | 1479.8  |      |     |       |     |     |      |    |
|             | OBS     | 00730 | 04.24 | 35.220 | 27.96   |         | 1480.2  |      |     |       |     |     |      |    |
|             | OBS     | 00748 | 04.26 | 35.222 | 27.96   |         | 1480.6  |      |     |       |     |     |      |    |
|             | OBS     | 00761 | 04.22 | 35.229 | 27.97   |         | 1480.7  |      |     |       |     |     |      |    |
|             | OBS     | 00778 | 04.20 | 35.241 | 27.98   |         | 1480.9  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 04.12 | 35.24  | 27.99   | 00.420  | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00800 | 04.12 | 35.240 | 27.99   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00828 | 03.91 | 35.227 | 28.00   |         | 1480.5  |      |     |       |     |     |      |    |
|             | OBS     | 00838 | 03.93 | 35.239 | 28.00   |         | 1480.7  |      |     |       |     |     |      |    |
|             | OBS     | 00850 | 03.89 | 35.235 | 28.01   |         | 1480.8  |      |     |       |     |     |      |    |
|             | OBS     | 00890 | 03.84 | 35.256 | 28.03   |         | 1481.3  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 03.88 | 35.27  | 28.04   | 00.439  | 1481.6  |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 03.88 | 35.274 | 28.04   |         | 1481.6  |      |     |       |     |     |      |    |
|             | OBS     | 00927 | 03.88 | 35.264 | 28.04   |         | 1482.1  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 03.77 | 35.31  | 28.08   | 00.455  | 1482.9  |      |     |       |     |     |      |    |
|             | OBS     | 01000 | 03.77 | 35.314 | 28.08   |         | 1482.9  |      |     |       |     |     |      |    |
|             | OBS     | 01019 | 03.76 | 35.320 | 28.09   |         | 1483.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03555 | AIA TEMP 05.6   | DIA HGT PER | WIND-DIR 13 | INST STD RECORDER | TEN SQ 1806 |
| CONSEC 0009    | MONTH 04  | SHIP EV     | MET BULB 04.6   | 23 1 5      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 23.2N   | DAY 09    | DATA USE 1  | BAROMETR 1031.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 047 45.9W | HOUR 18.1 | AREA 05     | CLOUD TFA       | CL/TR       | WEATHER XA  | ORIG 011 499 11   | 1 SQUARE 47 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYN DPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 18.1        | STD     | 00000 | 01.70 | 33.35  | 26.69   | 00.000   | 1454.7  |      |     |       |     |     |      |    |
|             | OBS     | 00000 | 01.70 | 33.346 | 26.69   |          | 1454.7  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 01.70 | 33.35  | 26.69   | 00.014   | 1454.8  |      |     |       |     |     |      |    |
|             | OBS     | 00010 | 01.70 | 33.348 | 26.69   |          | 1454.8  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 01.35 | 33.37  | 26.74   | 00.027   | 1453.5  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 01.35 | 33.373 | 26.74   |          | 1453.5  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 01.28 | 33.37  | 26.74   | 00.040   | 1453.3  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 01.28 | 33.372 | 26.74   |          | 1453.3  |      |     |       |     |     |      |    |
|             | OBS     | 00040 | 01.08 | 33.412 | 26.79   |          | 1452.7  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 01.32 | 33.45  | 26.80   | 00.066   | 1453.9  |      |     |       |     |     |      |    |
|             | OBS     | 00050 | 01.32 | 33.454 | 26.80   |          | 1453.9  |      |     |       |     |     |      |    |
|             | OBS     | 00067 | 01.58 | 33.496 | 26.82   |          | 1455.4  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 01.52 | 33.53  | 26.85   | 00.097   | 1455.4  |      |     |       |     |     |      |    |
|             | OBS     | 00075 | 01.52 | 33.533 | 26.85   |          | 1455.4  |      |     |       |     |     |      |    |
|             | OBS     | 00089 | 01.60 | 33.621 | 26.92   |          | 1456.1  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 01.35 | 33.93  | 27.18   | 00.123   | 1455.6  |      |     |       |     |     |      |    |
|             | OBS     | 00100 | 01.35 | 33.926 | 27.18   |          | 1455.6  |      |     |       |     |     |      |    |
|             | OBS     | 00109 | 02.05 | 34.036 | 27.22   |          | 1459.0  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 02.36 | 34.17  | 27.30   | 00.144   | 1460.8  |      |     |       |     |     |      |    |
|             | OBS     | 00125 | 02.36 | 34.167 | 27.30   |          | 1460.8  |      |     |       |     |     |      |    |
|             | OBS     | 00129 | 02.84 | 34.263 | 27.33   |          | 1463.0  |      |     |       |     |     |      |    |
|             | OBS     | 00136 | 03.07 | 34.300 | 27.34   |          | 1464.2  |      |     |       |     |     |      |    |
|             | OBS     | 00143 | 02.97 | 34.300 | 27.35   |          | 1463.9  |      |     |       |     |     |      |    |
|             | OBS     | 00147 | 03.04 | 34.347 | 27.38   |          | 1464.3  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 03.05 | 34.38  | 27.41   | 00.162   | 1464.4  |      |     |       |     |     |      |    |
|             | OBS     | 00150 | 03.05 | 34.379 | 27.41   |          | 1464.4  |      |     |       |     |     |      |    |
|             | OBS     | 00159 | 03.47 | 34.462 | 27.43   |          | 1466.5  |      |     |       |     |     |      |    |
|             | OBS     | 00179 | 03.76 | 34.554 | 27.48   |          | 1468.2  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 03.83 | 34.61  | 27.52   | 00.195   | 1468.9  |      |     |       |     |     |      |    |
|             | OBS     | 00200 | 03.83 | 34.613 | 27.52   |          | 1468.9  |      |     |       |     |     |      |    |
|             | OBS     | 00240 | 04.40 | 34.788 | 27.60   |          | 1472.2  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 04.50 | 34.81  | 27.61   | 00.222   | 1472.8  |      |     |       |     |     |      |    |
|             | OBS     | 00280 | 04.54 | 34.878 | 27.65   |          | 1473.6  |      |     |       |     |     |      |    |
|             | OBS     | 00293 | 04.44 | 34.896 | 27.68   |          | 1473.4  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 04.54 | 34.91  | 27.68   | 00.247   | 1473.9  |      |     |       |     |     |      |    |
|             | OBS     | 00300 | 04.54 | 34.911 | 27.68   |          | 1473.9  |      |     |       |     |     |      |    |
|             | OBS     | 00309 | 04.56 | 34.914 | 27.68   |          | 1474.2  |      |     |       |     |     |      |    |
|             | OBS     | 00329 | 04.41 | 34.924 | 27.70   |          | 1473.9  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 04.65 | 35.04  | 27.77   | 00.289   | 1476.2  |      |     |       |     |     |      |    |
|             | OBS     | 00400 | 04.65 | 35.036 | 27.77   |          | 1476.2  |      |     |       |     |     |      |    |
|             | OBS     | 00440 | 04.83 | 35.087 | 27.79   |          | 1477.7  |      |     |       |     |     |      |    |
|             | OBS     | 00480 | 04.67 | 35.101 | 27.81   |          | 1477.7  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.74 | 35.13  | 27.83   | 00.325   | 1478.4  |      |     |       |     |     |      |    |
|             | OBS     | 00500 | 04.74 | 35.129 | 27.83   |          | 1478.4  |      |     |       |     |     |      |    |
|             | OBS     | 00520 | 04.74 | 35.132 | 27.83   |          | 1478.7  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.39 | 35.15  | 27.88   | 00.357   | 1478.6  |      |     |       |     |     |      |    |
|             | OBS     | 00600 | 04.39 | 35.148 | 27.88   |          | 1478.6  |      |     |       |     |     |      |    |
|             | OBS     | 00628 | 04.42 | 35.174 | 27.90   |          | 1479.2  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.19 | 35.18  | 27.93   | 00.385   | 1479.5  |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 04.19 | 35.184 | 27.93   |          | 1479.5  |      |     |       |     |     |      |    |
|             | OBS     | 00744 | 04.18 | 35.210 | 27.96   |          | 1480.2  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 03.95 | 35.21  | 27.98   | 00.408   | 1480.2  |      |     |       |     |     |      |    |
|             | OBS     | 00800 | 03.95 | 35.214 | 27.98   |          | 1480.2  |      |     |       |     |     |      |    |
|             | OBS     | 00847 | 03.63 | 35.248 | 28.01   |          | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00859 | 04.01 | 35.263 | 28.02   |          | 1481.5  |      |     |       |     |     |      |    |
|             | OBS     | 00888 | 03.92 | 35.271 | 28.03   |          | 1481.6  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 03.96 | 35.28  | 28.04   | 00.428   | 1482.0  |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 03.96 | 35.281 | 28.04   |          | 1482.0  |      |     |       |     |     |      |    |
|             | OBS     | 00925 | 03.98 | 35.300 | 28.05   |          | 1482.5  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 03.84 | 35.33  | 28.08   | 00.444   | 1483.2  |      |     |       |     |     |      |    |
|             | OBS     | 01000 | 03.84 | 35.328 | 28.08   |          | 1483.2  |      |     |       |     |     |      |    |
|             | OBS     | 01028 | 03.80 | 35.334 | 28.09   |          | 1483.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03933 | AIR TEMP 07.0   | DIR MGT PER | WIND-DIR 33 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0010    | MONTH 04  | SHIP EV     | WET BULB 06.2   | 06 0 2      | WIND-SPD 02 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 15.0N   | DAY 09    | DATA USE 1  | BAROMETR 1032.9 | SEA         | WIND-FOR    | DURATION 00.6     | 2 SQUARE 46 |
| LONG 047 11.5W | HOUR 22.5 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | CRIG 011 500      | 1 SQUARE 47 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |  |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|--|
| 22.5        | STD   | 00000 | 03.70  | 32.78  | 26.07   | 00.000  | 1462.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00000 | 03.70  | 32.780 | 26.07   |         | 1462.6  |      |     |       |     |     |      |    |  |
|             | STD   | 00010 | 03.53  | 32.83  | 26.13   | 00.019  | 1462.1  |      |     |       |     |     |      |    |  |
|             | STD   | 00020 | 03.21  | 32.86  | 26.18   | 00.038  | 1460.9  |      |     |       |     |     |      |    |  |
|             | OBS   | 00020 | 03.21  | 32.860 | 26.18   |         | 1460.9  |      |     |       |     |     |      |    |  |
|             | STD   | 00030 | 02.73  | 32.87  | 26.23   | 00.056  | 1459.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00041 | 02.06  | 32.880 | 26.29   |         | 1456.3  |      |     |       |     |     |      |    |  |
|             | STD   | 00050 | 00.98  | 32.88  | 26.37   | 00.091  | 1451.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00064 | 00.21  | 32.880 | 26.41   |         | 1448.4  |      |     |       |     |     |      |    |  |
|             | STD   | 00075 | 01.28  | 33.04  | 26.48   | 00.131  | 1453.6  |      |     |       |     |     |      |    |  |
|             | STD   | 00100 | 03.31  | 33.39  | 26.60   | 00.169  | 1463.4  |      |     |       |     |     |      |    |  |
|             | OBS   | 00100 | 03.31  | 33.390 | 26.60   |         | 1463.4  |      |     |       |     |     |      |    |  |
|             | STD   | 00125 | 03.64  | 33.45  | 26.61   | 00.205  | 1465.3  |      |     |       |     |     |      |    |  |
|             | STD   | 00150 | 05.36  | 33.88  | 26.77   | 00.239  | 1473.5  |      |     |       |     |     |      |    |  |
|             | OBS   | 00155 | 05.87  | 34.010 | 26.81   |         | 1475.8  |      |     |       |     |     |      |    |  |
|             | OBS   | 00175 | 08.47  | 34.680 | 26.97   |         | 1487.2  |      |     |       |     |     |      |    |  |
|             | STD   | 00200 | 05.01  | 34.18  | 27.05   | 00.298  | 1473.2  |      |     |       |     |     |      |    |  |
|             | OBS   | 00210 | 04.22  | 34.080 | 27.05   |         | 1470.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00222 | 03.73  | 34.030 | 27.06   |         | 1468.1  |      |     |       |     |     |      |    |  |
|             | STD   | 00250 | 05.35  | 34.30  | 27.10   | 00.349  | 1475.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00250 | 05.35  | 34.300 | 27.10   |         | 1475.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00271 | 04.37  | 34.230 | 27.16   |         | 1471.8  |      |     |       |     |     |      |    |  |
|             | STD   | 00300 | 04.65  | 34.29  | 27.17   | 00.398  | 1473.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00300 | 04.65  | 34.290 | 27.17   |         | 1473.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00325 | 05.84  | 34.570 | 27.25   |         | 1479.2  |      |     |       |     |     |      |    |  |
|             | STD   | 00400 | 05.04  | 34.58  | 27.36   | 00.483  | 1477.2  |      |     |       |     |     |      |    |  |
|             | OBS   | 00400 | 05.04  | 34.580 | 27.36   |         | 1477.2  |      |     |       |     |     |      |    |  |
|             | STD   | 00500 | 05.25  | 34.71  | 27.44   | 00.557  | 1479.9  |      |     |       |     |     |      |    |  |
|             | OBS   | 00500 | 05.25  | 34.710 | 27.44   |         | 1479.9  |      |     |       |     |     |      |    |  |
|             | STD   | 00600 | 04.49  | 34.70  | 27.52   | 00.625  | 1478.4  |      |     |       |     |     |      |    |  |
|             | OBS   | 00600 | 04.49  | 34.700 | 27.52   |         | 1478.4  |      |     |       |     |     |      |    |  |
|             | STD   | 00700 | 04.34  | 34.73  | 27.56   | 00.687  | 1479.5  |      |     |       |     |     |      |    |  |
| OBS         | 00700 | 04.34 | 34.730 | 27.56  |         | 1479.5  |         |      |     |       |     |     |      |    |  |
| STD         | 00800 | 04.16 | 34.79  | 27.62  | 00.746  | 1480.5  |         |      |     |       |     |     |      |    |  |
| OBS         | 00800 | 04.16 | 34.790 | 27.62  |         | 1480.5  |         |      |     |       |     |     |      |    |  |
| STD         | 00900 | 04.11 | 34.83  | 27.66  | 00.800  | 1482.0  |         |      |     |       |     |     |      |    |  |
| STD         | 01000 | 03.96 | 34.87  | 27.71  | 00.850  | 1483.1  |         |      |     |       |     |     |      |    |  |
| OBS         | 01000 | 03.96 | 34.870 | 27.71  |         | 1483.1  |         |      |     |       |     |     |      |    |  |
| OBS         | 01033 | 03.89 | 34.880 | 27.72  |         | 1483.3  |         |      |     |       |     |     |      |    |  |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03867 | AIR TEMP 05.6   | DIR MGT PER | WIND-DIR 04 | INST STD RECFADER | TEM SQ 1304 |
| CONSEC 0011    | MONTH 04  | SHIP EV     | MET BULB 05.0   | 26 1 3      | WIND-SPD 08 | TRACE DIR         | 5 SQUARE 2  |
| LAT 44 08.4N   | DAY 10    | DATA USE 1  | BAROMETR 1034.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 37.2W | MOUR 02.1 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X1  | ORIG 011 501      | 1 SQUARE 46 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGNA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 02.1        | STD   | 00000 | 07.16 | 33.33  | 26.10   | 00.000   | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 07.16 | 33.33u | 26.10   |          | 1477.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.99 | 33.17  | 26.13   | 00.019   | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 05.99 | 33.17u | 26.13   |          | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.44 | 33.14  | 26.17   | 00.038   | 1470.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.44 | 33.14u | 26.17   |          | 1470.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 10.86 | 34.37  | 26.33   | 00.056   | 1493.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 10.86 | 34.37u | 26.33   |          | 1493.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 10.59 | 34.48  | 26.46   | 00.089   | 1492.7  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 10.59 | 34.48u | 26.46   |          | 1492.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 07.47 | 33.91  | 26.52   | 00.128   | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 06.67 | 33.84u | 26.57   | 00.165   | 1477.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 08.18 | 34.24  | 26.69   | 00.201   | 1484.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 08.18 | 34.24u | 26.69   |          | 1484.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 08.97 | 34.49  | 26.75   | 00.235   | 1488.4  |      |     |       |     |     |      |    |
|             | OBS   | 00166 | 09.47 | 34.64u | 26.78   |          | 1490.7  |      |     |       |     |     |      |    |
|             | OBS   | 00176 | 08.70 | 34.49u | 26.79   |          | 1487.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 07.59 | 34.30  | 26.81   | 00.301   | 1483.7  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 07.59 | 34.30u | 26.81   |          | 1483.7  |      |     |       |     |     |      |    |
|             | OBS   | 00230 | 05.30 | 34.030 | 26.89   |          | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00241 | 07.43 | 34.46u | 26.95   |          | 1484.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 06.96 | 34.39  | 26.97   | 00.362   | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 06.96 | 34.39u | 26.97   |          | 1482.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.53 | 34.26  | 27.05   | 00.417   | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.53 | 34.26u | 27.05   |          | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00351 | 06.00 | 34.46u | 27.15   |          | 1480.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.50 | 34.36  | 27.25   | 00.513   | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 04.50 | 34.36u | 27.25   |          | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 05.41 | 34.58u | 27.32   |          | 1479.6  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.03 | 34.60  | 27.38   | 00.595   | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 05.03 | 34.60u | 27.38   |          | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 04.68 | 34.63u | 27.44   |          | 1478.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.72 | 34.68  | 27.48   | 00.668   | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 04.72 | 34.68u | 27.48   |          | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.67 | 34.72u | 27.51   |          | 1480.0  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.59 | 34.74  | 27.55   | 00.733   | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.59 | 34.74u | 27.55   |          | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.63 | 34.81u | 27.59   |          | 1481.6  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.49 | 34.82  | 27.61   | 00.792   | 1481.9  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 04.49 | 34.82u | 27.61   |          | 1481.9  |      |     |       |     |     |      |    |
|             | OBS   | 00849 | 04.40 | 34.83u | 27.63   |          | 1482.3  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.30 | 34.86  | 27.66   | 00.848   | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00952 | 04.23 | 34.88u | 27.69   |          | 1483.4  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.20 | 34.90  | 27.71   | 00.899   | 1484.1  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 04.20 | 34.90u | 27.71   |          | 1484.1  |      |     |       |     |     |      |    |
|             | OBS   | 01029 | 04.16 | 34.92u | 27.73   |          | 1484.5  |      |     |       |     |     |      |    |

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TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |            |                 |             |             |                   |             |
|----------------|-----------|------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOYD 04102 | AIK TEMP 07.5   | DIR HGT PER | WIND-DIR 08 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0012    | MONTH 04  | SHIP EV    | WET BULB 06.1   | 00 0 X      | WIND-SPD 13 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 43 57.4N   | DAY 10    | DATA USE 1 | BANCHETA 1035.1 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 24 |
| LONG 045 56.5W | HOOR 06.1 | AREA 05    | CLCWD T/A       | CL/7R       | WEATHER X0  | ORIG 011 502      | 1 SQUARE 35 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |  |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|--|
| 06.1        | STD   | 00000 | 10.30  | 34.08  | 26.20   | 00.000  | 1490.3  |      |     |       |     |     |      |    |  |
|             | OBS   | 00000 | 10.30  | 34.080 | 26.20   |         | 1490.3  |      |     |       |     |     |      |    |  |
|             | STD   | 00010 | 10.29  | 34.08  | 26.20   | 00.018  | 1490.4  |      |     |       |     |     |      |    |  |
|             | OBS   | 00010 | 10.29  | 34.080 | 26.20   |         | 1490.4  |      |     |       |     |     |      |    |  |
|             | STD   | 00020 | 10.08  | 34.17  | 26.31   | 00.036  | 1489.5  |      |     |       |     |     |      |    |  |
|             | OBS   | 00020 | 10.08  | 34.170 | 26.31   |         | 1489.5  |      |     |       |     |     |      |    |  |
|             | STD   | 00030 | 09.86  | 34.10  | 26.29   | 00.053  | 1489.2  |      |     |       |     |     |      |    |  |
|             | OBS   | 00030 | 09.86  | 34.100 | 26.29   |         | 1489.2  |      |     |       |     |     |      |    |  |
|             | STD   | 00050 | 10.88  | 34.41  | 26.36   | 00.088  | 1493.6  |      |     |       |     |     |      |    |  |
|             | OBS   | 00050 | 10.88  | 34.410 | 26.36   |         | 1493.6  |      |     |       |     |     |      |    |  |
|             | STD   | 00075 | 11.43  | 34.55  | 26.37   | 00.130  | 1496.1  |      |     |       |     |     |      |    |  |
|             | OBS   | 00081 | 11.56  | 34.560 | 26.35   |         | 1496.7  |      |     |       |     |     |      |    |  |
|             | OBS   | 00093 | 10.68  | 34.540 | 26.49   |         | 1493.8  |      |     |       |     |     |      |    |  |
|             | STD   | 00100 | 10.32  | 34.49  | 26.52   | 00.170  | 1492.5  |      |     |       |     |     |      |    |  |
|             | STD   | 00125 | 09.36  | 34.38  | 26.55   | 00.208  | 1489.3  |      |     |       |     |     |      |    |  |
|             | OBS   | 00125 | 09.36  | 34.380 | 26.59   |         | 1489.3  |      |     |       |     |     |      |    |  |
|             | STD   | 00150 | 08.92  | 34.37  | 26.66   | 00.244  | 1488.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00150 | 08.92  | 34.370 | 26.66   |         | 1488.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00178 | 08.49  | 34.350 | 26.71   |         | 1486.9  |      |     |       |     |     |      |    |  |
|             | STD   | 00200 | 08.55  | 34.36  | 26.71   | 00.314  | 1487.5  |      |     |       |     |     |      |    |  |
|             | OBS   | 00200 | 08.55  | 34.360 | 26.71   |         | 1487.5  |      |     |       |     |     |      |    |  |
|             | OBS   | 00229 | 08.85  | 34.520 | 26.79   |         | 1489.3  |      |     |       |     |     |      |    |  |
|             | STD   | 00250 | 08.98  | 34.58  | 26.82   | 00.381  | 1490.2  |      |     |       |     |     |      |    |  |
|             | OBS   | 00255 | 09.01  | 34.600 | 26.82   |         | 1490.4  |      |     |       |     |     |      |    |  |
|             | STD   | 00300 | 05.56  | 34.07  | 26.89   | 00.443  | 1477.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00300 | 05.56  | 34.070 | 26.89   |         | 1477.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00307 | 06.54  | 34.310 | 26.96   |         | 1481.4  |      |     |       |     |     |      |    |  |
|             | OBS   | 00331 | 07.77  | 34.640 | 27.05   |         | 1487.0  |      |     |       |     |     |      |    |  |
|             | OBS   | 00355 | 05.84  | 34.310 | 27.05   |         | 1479.4  |      |     |       |     |     |      |    |  |
|             | OBS   | 00394 | 04.49  | 34.190 | 27.11   |         | 1474.3  |      |     |       |     |     |      |    |  |
| STD         | 00400 | 04.50 | 34.21  | 27.12  | 00.553  | 1474.5  |         |      |     |       |     |     |      |    |  |
| OBS         | 00455 | 04.61 | 34.380 | 27.25  |         | 1476.1  |         |      |     |       |     |     |      |    |  |
| STD         | 00500 | 05.06 | 34.55  | 27.33  | 00.643  | 1478.9  |         |      |     |       |     |     |      |    |  |
| OBS         | 00506 | 05.08 | 34.560 | 27.34  |         | 1479.1  |         |      |     |       |     |     |      |    |  |
| OBS         | 00557 | 04.83 | 34.600 | 27.40  |         | 1479.0  |         |      |     |       |     |     |      |    |  |
| STD         | 00600 | 04.73 | 34.64  | 27.44  | 00.719  | 1479.3  |         |      |     |       |     |     |      |    |  |
| OBS         | 00607 | 04.71 | 34.650 | 27.45  |         | 1479.4  |         |      |     |       |     |     |      |    |  |
| OBS         | 00659 | 04.90 | 34.760 | 27.52  |         | 1481.1  |         |      |     |       |     |     |      |    |  |
| STD         | 00700 | 04.73 | 34.76  | 27.54  | 00.787  | 1481.1  |         |      |     |       |     |     |      |    |  |
| OBS         | 00709 | 04.70 | 34.760 | 27.54  |         | 1481.2  |         |      |     |       |     |     |      |    |  |
| OBS         | 00759 | 04.59 | 34.780 | 27.57  |         | 1481.6  |         |      |     |       |     |     |      |    |  |
| STD         | 00800 | 04.58 | 34.81  | 27.60  | 00.848  | 1482.3  |         |      |     |       |     |     |      |    |  |
| OBS         | 00809 | 04.57 | 34.820 | 27.60  |         | 1482.4  |         |      |     |       |     |     |      |    |  |
| OBS         | 00860 | 04.42 | 34.840 | 27.64  |         | 1482.6  |         |      |     |       |     |     |      |    |  |
| STD         | 00900 | 04.30 | 34.87  | 27.67  | 00.903  | 1482.8  |         |      |     |       |     |     |      |    |  |
| OBS         | 00910 | 04.28 | 34.870 | 27.67  |         | 1482.9  |         |      |     |       |     |     |      |    |  |
| OBS         | 00961 | 04.18 | 34.880 | 27.69  |         | 1483.3  |         |      |     |       |     |     |      |    |  |
| STD         | 01000 | 04.13 | 34.88  | 27.70  | 00.955  | 1483.8  |         |      |     |       |     |     |      |    |  |
| OBS         | 01011 | 04.12 | 34.880 | 27.70  |         | 1483.9  |         |      |     |       |     |     |      |    |  |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 04511 | AIR TEMP 07.0   | DIR MGT PER | WIND-DIR 07 | INST STD RECORDER | TEN SQ 1804 |
| CONSEC 0013    | MONTH 04  | SHIP EV     | WET BULB 05.9   | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 50.8N   | DAY 10    | DATA USE 1  | BAROMETR 1035.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 24 |
| LONG 045 14.8W | HOUR 10.1 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 503 13   | 1 SQUARE 35 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | OYNDPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 10.1        | STD     | 00000 | 03.23 | 32.79  | 26.13   | 00.000  | 1460.6  |      |     |       |     |     |      |    |
|             | OBS     | 00000 | 03.23 | 32.790 | 26.13   |         | 1460.6  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 03.41 | 32.99  | 26.23   | 00.018  | 1463.5  |      |     |       |     |     |      |    |
|             | OBS     | 00012 | 03.43 | 33.010 | 26.24   |         | 1463.7  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 03.09 | 32.91  | 26.24   | 00.036  | 1460.5  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 02.54 | 32.87  | 26.25   | 00.054  | 1458.2  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 02.54 | 32.870 | 26.25   |         | 1458.2  |      |     |       |     |     |      |    |
|             | OBS     | 00040 | 02.41 | 32.910 | 26.29   |         | 1457.9  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 02.41 | 33.03  | 26.35   | 00.089  | 1459.9  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 03.30 | 33.24  | 26.48   | 00.130  | 1462.8  |      |     |       |     |     |      |    |
|             | OBS     | 00080 | 03.32 | 33.274 | 26.50   |         | 1462.9  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 02.42 | 33.32  | 26.57   | 00.168  | 1461.6  |      |     |       |     |     |      |    |
|             | OBS     | 00116 | 02.40 | 33.360 | 26.63   |         | 1460.5  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 03.52 | 33.54  | 26.71   | 00.203  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS     | 00140 | 04.08 | 33.840 | 26.80   |         | 1471.7  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 04.23 | 34.06  | 26.81   | 00.236  | 1477.2  |      |     |       |     |     |      |    |
|             | OBS     | 00166 | 07.33 | 34.270 | 26.82   |         | 1482.1  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 05.95 | 34.21  | 26.96   | 00.296  | 1477.1  |      |     |       |     |     |      |    |
|             | OBS     | 00200 | 05.95 | 34.210 | 26.96   |         | 1477.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 04.70 | 34.02  | 26.95   | 00.353  | 1472.6  |      |     |       |     |     |      |    |
|             | OBS     | 00250 | 04.70 | 34.020 | 26.95   |         | 1472.6  |      |     |       |     |     |      |    |
|             | OBS     | 00266 | 05.54 | 34.320 | 27.09   |         | 1476.7  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 05.16 | 34.29  | 27.11   | 00.406  | 1475.7  |      |     |       |     |     |      |    |
|             | OBS     | 00331 | 04.82 | 34.260 | 27.13   |         | 1476.7  |      |     |       |     |     |      |    |
|             | OBS     | 00338 | 05.20 | 34.300 | 27.12   |         | 1476.5  |      |     |       |     |     |      |    |
|             | OBS     | 00352 | 05.40 | 34.400 | 27.17   |         | 1477.4  |      |     |       |     |     |      |    |
|             | OBS     | 00390 | 05.03 | 34.470 | 27.27   |         | 1476.8  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 04.83 | 34.47  | 27.30   | 00.497  | 1476.2  |      |     |       |     |     |      |    |
|             | OBS     | 00456 | 04.47 | 34.490 | 27.35   |         | 1475.6  |      |     |       |     |     |      |    |
|             | OBS     | 00489 | 04.84 | 34.590 | 27.39   |         | 1477.9  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.88 | 34.62  | 27.41   | 00.575  | 1476.3  |      |     |       |     |     |      |    |
|             | OBS     | 00541 | 04.91 | 34.690 | 27.46   |         | 1479.1  |      |     |       |     |     |      |    |
|             | OBS     | 00590 | 04.67 | 34.700 | 27.50   |         | 1479.0  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.66 | 34.72  | 27.51   | 00.645  | 1479.1  |      |     |       |     |     |      |    |
|             | OBS     | 00640 | 04.60 | 34.760 | 27.55   |         | 1479.6  |      |     |       |     |     |      |    |
|             | OBS     | 00690 | 04.42 | 34.780 | 27.59   |         | 1479.7  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.42 | 34.79  | 27.59   | 00.706  | 1479.9  |      |     |       |     |     |      |    |
|             | OBS     | 00739 | 04.43 | 34.820 | 27.62   |         | 1480.6  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 04.46 | 34.86  | 27.65   | 00.762  | 1481.0  |      |     |       |     |     |      |    |
|             | OBS     | 00800 | 04.46 | 34.860 | 27.65   |         | 1481.0  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 04.21 | 34.90  | 27.71   | 00.813  | 1482.5  |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 04.21 | 34.90  | 27.71   |         | 1482.5  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 04.12 | 34.95  | 27.76   | 00.860  | 1483.0  |      |     |       |     |     |      |    |
|             | OBS     | 01000 | 04.12 | 34.950 | 27.76   |         | 1483.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 04284 | AIA TEMP 14.5    | DIR HGT PEA | WIND-DIR 16 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0014    | MONTH 04  | SHIP EV     | WET BULB 12.4    | 15 1 5      | WIND-SPD 10 | TRACE DIR D       | 5 SQUARE 1  |
| LAT 43 43.1N   | DAY 10    | DATA USE 1  | BAROMETER 1036.0 | SEA         | WIND-FOR    | DURATION 00.6     | 2 SQUARE 24 |
| LONG 044 32.7W | HOOR 14.0 | AREA 03     | CLOUD T/A        | CL/TR       | WEATHER X1  | CRIG 011 504      | 1 SQUARE 34 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL     | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|---------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 14.0        | STD   | 00000 | 14.31 | 35.31   | 26.38   | 00.000  | 1505.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 14.31 | 35.314  | 26.38   |         | 1505.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 14.20 | 35.32   | 26.41   | 00.016  | 1505.4  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 14.20 | 35.318  | 26.41   |         | 1505.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 14.20 | 35.32   | 26.41   | 00.033  | 1505.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 14.20 | 35.323  | 26.41   |         | 1505.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 14.19 | 35.33   | 26.42   | 00.049  | 1505.7  |      |     |       |     |     |      |    |
|             | OBS   | 00035 | 14.19 | 35.328  | 26.42   |         | 1505.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 14.19 | 35.33   | 26.42   | 00.082  | 1506.0  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 14.19 | 35.335  | 26.42   |         | 1506.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 14.19 | 35.33   | 26.43   | 00.122  | 1506.5  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 14.19 | 35.346  | 26.43   |         | 1506.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 14.20 | 35.36   | 26.44   | 00.163  | 1506.9  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 14.20 | 35.359  | 26.44   |         | 1506.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 14.20 | 35.39   | 26.47   | 00.203  | 1507.4  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 14.20 | 35.28 P | 26.380  |         | 1507.4  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | 14.21 | 35.395  | 26.47   |         | 1507.4  |      |     |       |     |     |      |    |
|             | OBS   | 00130 | 14.27 | 35.395  | 26.45   |         | 1507.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 14.19 | 35.40   | 26.47   | 00.244  | 1507.7  |      |     |       |     |     |      |    |
|             | OBS   | 00155 | 14.18 | 35.396  | 26.47   |         | 1507.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 14.42 | 35.57   | 26.55   | 00.323  | 1509.5  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 14.42 | 35.568  | 26.55   |         | 1509.5  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 14.49 | 35.576  | 26.54   |         | 1509.8  |      |     |       |     |     |      |    |
|             | OBS   | 00218 | 14.43 | 35.574  | 26.56   |         | 1509.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 12.99 | 35.19   | 26.56   | 00.400  | 1505.2  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 12.99 | 35.187  | 26.56   |         | 1505.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 12.81 | 35.26   | 26.65   | 00.476  | 1505.5  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 12.81 | 35.264  | 26.65   |         | 1505.5  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 10.27 | 35.01   | 26.93   | 00.611  | 1497.9  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 10.27 | 35.011  | 26.93   |         | 1497.9  |      |     |       |     |     |      |    |
|             | OBS   | 00423 | 09.89 | 34.951  | 26.95   |         | 1496.9  |      |     |       |     |     |      |    |
|             | OBS   | 00445 | 09.44 | 34.885  | 26.98   |         | 1495.5  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 09.34 | 34.943  | 27.04   |         | 1495.3  |      |     |       |     |     |      |    |
|             | OBS   | 00463 | 09.31 | 34.924  | 27.03   |         | 1495.4  |      |     |       |     |     |      |    |
|             | OBS   | 00474 | 09.30 | 34.936  | 27.04   |         | 1495.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 08.87 | 34.91   | 27.09   | 00.726  | 1494.3  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 08.87 | 34.912  | 27.09   |         | 1494.3  |      |     |       |     |     |      |    |
|             | OBS   | 00573 | 07.80 | 34.880  | 27.23   |         | 1491.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 06.39 | 34.72   | 27.30   | 00.823  | 1486.1  |      |     |       |     |     |      |    |
|             | OBS   | 00606 | 06.08 | 34.684  | 27.31   |         | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00617 | 06.51 | 34.748  | 27.31   |         | 1486.9  |      |     |       |     |     |      |    |
|             | OBS   | 00645 | 06.01 | 34.719  | 27.35   |         | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00676 | 05.02 | 34.686  | 27.45   |         | 1481.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 05.14 | 34.74   | 27.48   | 00.902  | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 05.14 | 34.742  | 27.48   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00737 | 05.08 | 34.770  | 27.51   |         | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00784 | 05.06 | 34.830  | 27.55   |         | 1484.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.91 | 34.84   | 27.58   | 00.967  | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 04.91 | 34.844  | 27.58   |         | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00834 | 04.80 | 34.897  | 27.64   |         | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00855 | 04.87 | 34.902  | 27.63   |         | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 00875 | 04.71 | 34.894  | 27.65   |         | 1484.1  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.66 | 34.91   | 27.67   | 01.024  | 1484.4  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.66 | 34.912  | 27.67   |         | 1484.4  |      |     |       |     |     |      |    |
|             | OBS   | 00955 | 04.55 | 34.943  | 27.70   |         | 1484.9  |      |     |       |     |     |      |    |
|             | OBS   | 00984 | 04.81 | 34.992  | 27.71   |         | 1486.5  |      |     |       |     |     |      |    |
|             | OBS   | 00993 | 04.74 | 35.003  | 27.73   |         | 1486.4  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.76 | 35.01   | 27.73   | 01.075  | 1486.4  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 04.76 | 35.007  | 27.73   |         | 1486.4  |      |     |       |     |     |      |    |
|             | OBS   | 01024 | 04.75 | 34.994  | 27.72   |         | 1486.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 04376 | AIA TEMP 10.8   | DIR HGT PER | WIND-DIR 18 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0015    | MONTH 04  | SHIP EV     | WET BULB 09.2   | 18 0 2      | WIND-SPD 10 | TRACE DIR D       | 3 SQUARE 2  |
| LAT 44 07.8N   | DAY 10    | DATA USE 1  | BAROMETR 1033.2 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 44 |
| LONG 045 02.5W | HOUR 19.1 | AREA 05     | CLCUD T/A       | CL/TA       | WEATHER X2  | DRIG 011 505 14   | 1 SQUARE 45 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 19.1        | STD   | 00000 | 05.42 | 33.10  | 26.14   | 00.000 | 1470.2  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 05.42 | 33.10  | 26.14   |        | 1470.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.92 | 33.28  | 26.34   | 00.018 | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 04.92 | 33.28u | 26.34   |        | 1468.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.66 | 33.28  | 26.37   | 00.035 | 1467.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.66 | 33.280 | 26.37   |        | 1467.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.41 | 33.28  | 26.40   | 00.051 | 1466.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.41 | 33.280 | 26.40   |        | 1466.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.87 | 33.28  | 26.45   | 00.083 | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 03.87 | 33.28u | 26.45   |        | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.45 | 33.28  | 26.50   | 00.123 | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 03.45 | 33.280 | 26.50   |        | 1463.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.29 | 33.33  | 26.55   | 00.161 | 1463.2  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.29 | 33.330 | 26.55   |        | 1463.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.98 | 33.80  | 26.75   | 00.196 | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.98 | 33.800 | 26.75   |        | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 05.20 | 33.880 | 26.79   |        | 1472.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.72 | 33.96  | 26.90   | 00.227 | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 04.72 | 33.960 | 26.90   |        | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00174 | 04.69 | 34.050 | 26.98   |        | 1471.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.61 | 34.14  | 27.06   | 00.262 | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 04.61 | 34.140 | 27.06   |        | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.53 | 34.18u | 27.10   |        | 1471.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.58 | 34.24  | 27.16   | 00.332 | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 04.58 | 34.260 | 27.16   |        | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00274 | 05.03 | 34.42u | 27.23   |        | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00285 | 05.20 | 34.450 | 27.24   |        | 1475.8  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.06 | 34.45  | 27.24   | 00.377 | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.06 | 34.430 | 27.24   |        | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00324 | 05.30 | 34.530 | 27.29   |        | 1476.9  |      |     |       |     |     |      |    |
|             | OBS   | 00346 | 05.18 | 34.540 | 27.31   |        | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00358 | 05.38 | 34.610 | 27.34   |        | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00377 | 05.14 | 34.590 | 27.36   |        | 1477.2  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.20 | 34.64  | 27.39   | 00.458 | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 05.20 | 34.64u | 27.39   |        | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.71 | 34.620 | 27.43   |        | 1476.7  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.67 | 34.68  | 27.48   | 00.529 | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.67 | 34.680 | 27.48   |        | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.77 | 34.74u | 27.52   |        | 1478.8  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.70 | 34.77  | 27.55   | 00.593 | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 04.70 | 34.77u | 27.55   |        | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00650 | 04.75 | 34.810 | 27.57   |        | 1480.4  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.47 | 34.81  | 27.61   | 00.652 | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.47 | 34.81u | 27.61   |        | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00749 | 04.40 | 34.840 | 27.64   |        | 1480.7  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.30 | 34.86  | 27.66   | 00.706 | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 04.30 | 34.86u | 27.66   |        | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.22 | 34.890 | 27.70   |        | 1481.7  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.22 | 34.91  | 27.71   | 00.756 | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.22 | 34.910 | 27.71   |        | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.12 | 34.930 | 27.74   |        | 1483.0  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.10 | 34.94  | 27.76   | 00.802 | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 01009 | 04.08 | 34.960 | 27.77   |        | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 01034 | 04.00 | 34.96u | 27.78   |        | 1483.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |      |           |             |                 |             |             |                   |             |
|----------------|------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31       | 8370 | YEAR 1974 | BOTOP 03050 | AIR TEMP 07.7   | DIR HGT PER | WIND-DIR 15 | INST STO RECORDER | TEN SQ 1306 |
| CONSEC 0016    |      | MONTH 04  | SHIP EV     | NET BULB 07.2   | 16 1 3      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 25.3N   |      | DAY 10    | DATA USE 1  | BAROMETR 1031.4 | SEA         | WIND-FOR    | DURATION 00.0     | 2 SQUARE 44 |
| LONG 045 38.3W |      | HOHR 23.3 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 506      | 1 SQUARE 45 |

| CASSTNUM/TIME | LVLTY | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|---------------|-------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 23.3          | STD   | 00000 | 04.61 | 33.11  | 26.24   | 00.000   | 1466.9  |      |     |       |     |     |      |    |
|               | OBS   | 00000 | 04.61 | 33.110 | 26.24   |          | 1466.9  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 05.27 | 33.44  | 26.43   | 00.017   | 1470.2  |      |     |       |     |     |      |    |
|               | OBS   | 00010 | 05.27 | 33.440 | 26.43   |          | 1470.2  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 05.29 | 33.48  | 26.46   | 00.033   | 1470.3  |      |     |       |     |     |      |    |
|               | OBS   | 00023 | 05.30 | 33.490 | 26.47   |          | 1470.6  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 05.28 | 33.52  | 26.49   | 00.049   | 1470.7  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 05.28 | 33.520 | 26.49   |          | 1470.7  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 05.29 | 33.56  | 26.52   | 00.079   | 1471.1  |      |     |       |     |     |      |    |
|               | OBS   | 00050 | 05.29 | 33.560 | 26.52   |          | 1471.1  |      |     |       |     |     |      |    |
|               | OBS   | 00059 | 05.53 | 33.610 | 26.53   |          | 1472.3  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 05.29 | 33.60  | 26.55   | 00.117   | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00084 | 05.22 | 33.580 | 26.55   |          | 1471.4  |      |     |       |     |     |      |    |
|               | OBS   | 00092 | 05.46 | 33.630 | 26.56   |          | 1472.6  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 04.75 | 33.62  | 26.63   | 00.154   | 1469.8  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 04.75 | 33.620 | 26.63   |          | 1469.8  |      |     |       |     |     |      |    |
|               | OBS   | 00112 | 04.52 | 33.620 | 26.66   |          | 1469.0  |      |     |       |     |     |      |    |
|               | OBS   | 00119 | 05.30 | 33.850 | 26.75   |          | 1472.7  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 05.08 | 33.93  | 26.84   | 00.187   | 1472.0  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 05.08 | 33.930 | 26.84   |          | 1472.0  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 05.37 | 34.03  | 26.89   | 00.217   | 1473.7  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 05.37 | 34.030 | 26.89   |          | 1473.7  |      |     |       |     |     |      |    |
|               | OBS   | 00177 | 05.36 | 34.090 | 26.93   |          | 1474.2  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 04.65 | 34.06  | 26.99   | 00.274   | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00200 | 04.65 | 34.060 | 26.99   |          | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00219 | 04.81 | 34.130 | 27.03   |          | 1472.7  |      |     |       |     |     |      |    |
|               | OBS   | 00231 | 04.57 | 34.140 | 27.06   |          | 1471.9  |      |     |       |     |     |      |    |
|               | OBS   | 00245 | 04.75 | 34.190 | 27.08   |          | 1472.9  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 04.56 | 34.25  | 27.15   | 00.326   | 1472.3  |      |     |       |     |     |      |    |
|               | OBS   | 00250 | 04.56 | 34.250 | 27.15   |          | 1472.3  |      |     |       |     |     |      |    |
|               | OBS   | 00275 | 05.25 | 34.380 | 27.18   |          | 1475.7  |      |     |       |     |     |      |    |
|               | OBS   | 00294 | 04.82 | 34.360 | 27.21   |          | 1474.3  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 04.91 | 34.40  | 27.23   | 00.371   | 1474.8  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 04.91 | 34.400 | 27.23   |          | 1474.8  |      |     |       |     |     |      |    |
|               | OBS   | 00321 | 05.20 | 34.460 | 27.25   |          | 1476.4  |      |     |       |     |     |      |    |
|               | OBS   | 00352 | 04.89 | 34.440 | 27.27   |          | 1475.6  |      |     |       |     |     |      |    |
|               | OBS   | 00369 | 04.63 | 34.470 | 27.32   |          | 1474.8  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 04.97 | 34.56  | 27.35   | 00.454   | 1476.9  |      |     |       |     |     |      |    |
|               | OBS   | 00400 | 04.97 | 34.560 | 27.35   |          | 1476.9  |      |     |       |     |     |      |    |
|               | OBS   | 00451 | 04.84 | 34.630 | 27.42   |          | 1477.3  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 04.73 | 34.68  | 27.46   | 00.528   | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 04.73 | 34.680 | 27.46   |          | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00552 | 04.69 | 34.710 | 27.50   |          | 1478.4  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 04.66 | 34.75  | 27.54   | 00.593   | 1479.2  |      |     |       |     |     |      |    |
|               | OBS   | 00600 | 04.66 | 34.750 | 27.54   |          | 1479.2  |      |     |       |     |     |      |    |
|               | OBS   | 00651 | 04.55 | 34.770 | 27.57   |          | 1479.6  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 04.36 | 34.79  | 27.60   | 00.653   | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 04.36 | 34.790 | 27.60   |          | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00751 | 04.33 | 34.820 | 27.63   |          | 1480.4  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 04.29 | 34.85  | 27.66   | 00.707   | 1481.1  |      |     |       |     |     |      |    |
|               | OBS   | 00800 | 04.29 | 34.850 | 27.66   |          | 1481.1  |      |     |       |     |     |      |    |
|               | OBS   | 00851 | 04.24 | 34.880 | 27.69   |          | 1481.8  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 04.19 | 34.91  | 27.72   | 00.758   | 1482.4  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 04.19 | 34.910 | 27.72   |          | 1482.4  |      |     |       |     |     |      |    |
|               | OBS   | 00952 | 04.14 | 34.920 | 27.73   |          | 1483.1  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 04.00 | 34.94  | 27.76   | 00.804   | 1483.3  |      |     |       |     |     |      |    |
|               | OBS   | 01000 | 04.00 | 34.940 | 27.76   |          | 1483.3  |      |     |       |     |     |      |    |
|               | OBS   | 01021 | 04.04 | 34.960 | 27.77   |          | 1483.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03178 | AIR TEMP 07.7   | DIR HGT PER | WIND-DIR 18 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0017    | MONTH 04  | SHIP EV     | WET BULB 07.2   | 16 1 3      | WIND-SPD 18 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 44.0N   | DAY 11    | DATA USE 1  | BAROMETR 1026.3 | SEA         | WIND-FOR    | DURATION 00.8     | 2 SQUARE 46 |
| LONG 046 09.5W | HOUR 09.0 | AREA 05     | CLOUD T/A       | CL/T/A      | WEATHER X5  | ORIG 011 507      | 1 SQUARE 46 |

| CASTNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | ORIG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|--------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 03.0         | STD     | 00000 | 03.70 | 33.20  | 26.41   | 00.000   | 1443.2  |      |     |       |     |     |      |    |
|              | OBS     | 00000 | 03.70 | 33.200 | 26.41   |          | 1443.2  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 03.69 | 33.20  | 26.41   | 00.016   | 1443.3  |      |     |       |     |     |      |    |
|              | OBS     | 00010 | 03.69 | 33.200 | 26.41   |          | 1443.3  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 03.48 | 33.19  | 26.42   | 00.033   | 1442.5  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 03.48 | 33.190 | 26.42   |          | 1442.5  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 03.22 | 33.22  | 26.47   | 00.048   | 1441.6  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 03.22 | 33.220 | 26.47   |          | 1441.6  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 03.09 | 33.23  | 26.49   | 00.080   | 1441.4  |      |     |       |     |     |      |    |
|              | OBS     | 00050 | 03.09 | 33.230 | 26.49   |          | 1441.4  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 02.90 | 33.23  | 26.51   | 00.118   | 1441.0  |      |     |       |     |     |      |    |
|              | OBS     | 00075 | 02.90 | 33.230 | 26.51   |          | 1441.0  |      |     |       |     |     |      |    |
|              | OBS     | 00094 | 02.78 | 33.240 | 26.52   |          | 1440.8  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 02.88 | 33.29  | 26.55   | 00.156   | 1441.4  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | 02.88 | 33.290 | 26.55   |          | 1441.4  |      |     |       |     |     |      |    |
|              | OBS     | 00115 | 02.62 | 33.290 | 26.58   |          | 1440.5  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 03.15 | 33.59  | 26.77   | 00.191   | 1443.4  |      |     |       |     |     |      |    |
|              | OBS     | 00125 | 03.15 | 33.590 | 26.77   |          | 1443.4  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 04.09 | 33.97  | 26.98   | 00.221   | 1448.3  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 04.09 | 33.970 | 26.98   |          | 1448.3  |      |     |       |     |     |      |    |
|              | OBS     | 00164 | 04.63 | 34.090 | 27.02   |          | 1471.0  |      |     |       |     |     |      |    |
|              | OBS     | 00175 | 04.18 | 34.160 | 27.12   |          | 1469.4  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 04.53 | 34.20  | 27.12   | 00.273   | 1471.3  |      |     |       |     |     |      |    |
|              | OBS     | 00200 | 04.53 | 34.200 | 27.12   |          | 1471.3  |      |     |       |     |     |      |    |
|              | OBS     | 00223 | 04.43 | 34.220 | 27.14   |          | 1471.3  |      |     |       |     |     |      |    |
|              | OBS     | 00247 | 05.17 | 34.390 | 27.19   |          | 1475.0  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 05.13 | 34.38  | 27.19   | 00.320   | 1474.8  |      |     |       |     |     |      |    |
|              | OBS     | 00250 | 05.13 | 34.380 | 27.19   |          | 1474.8  |      |     |       |     |     |      |    |
|              | OBS     | 00266 | 04.72 | 34.460 | 27.30   |          | 1473.5  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 04.78 | 34.45  | 27.29   | 00.364   | 1474.3  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 04.78 | 34.450 | 27.29   |          | 1474.3  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 04.67 | 34.59  | 27.41   | 00.442   | 1475.7  |      |     |       |     |     |      |    |
|              | OBS     | 00400 | 04.67 | 34.590 | 27.41   |          | 1475.7  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 04.64 | 34.69  | 27.49   | 00.510   | 1477.3  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 04.64 | 34.690 | 27.49   |          | 1477.3  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 04.46 | 34.75  | 27.56   | 00.573   | 1478.3  |      |     |       |     |     |      |    |
|              | OBS     | 00600 | 04.46 | 34.750 | 27.56   |          | 1478.3  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 04.24 | 34.79  | 27.62   | 00.631   | 1479.1  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 04.24 | 34.790 | 27.62   |          | 1479.1  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 04.23 | 34.86  | 27.67   | 00.684   | 1480.8  |      |     |       |     |     |      |    |
|              | OBS     | 00800 | 04.23 | 34.860 | 27.67   |          | 1480.8  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 04.04 | 34.90  | 27.72   | 00.733   | 1481.8  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 04.04 | 34.900 | 27.72   |          | 1481.8  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.95 | 34.94  | 27.77   | 00.778   | 1483.1  |      |     |       |     |     |      |    |
|              | OBS     | 01000 | 03.95 | 34.940 | 27.77   |          | 1483.1  |      |     |       |     |     |      |    |
|              | OBS     | 01020 | 03.91 | 34.950 | 27.78   |          | 1483.3  |      |     |       |     |     |      |    |

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03499 | AIR TEMP 08.6   | DIR HGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0018    | MONTH 04  | SHIP EV     | WET BULB 07.8   | 22 2 3      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 03.3N   | DAY 11    | DATA USE 1  | BAROMETR 1024.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 40.0W | HOUR 07.0 | AREA 05     | CLOUD T/A       | CL/T/A      | WEATHER X4  | ORIG 011 508      | 1 SQUARE 56 |

| CASTNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | ORIG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|--------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 07.0         | STD     | 00000 | 02.73 | 33.09  | 26.41   | 00.000   | 1458.8  |      |     |       |     |     |      |    |
|              | OBS     | 00000 | 02.73 | 33.090 | 26.41   |          | 1458.8  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 02.74 | 33.09  | 26.41   | 00.016   | 1459.1  |      |     |       |     |     |      |    |
|              | OBS     | 00010 | 02.74 | 33.090 | 26.41   |          | 1459.1  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 02.73 | 33.08  | 26.40   | 00.033   | 1459.2  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 02.73 | 33.080 | 26.40   |          | 1459.2  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 02.42 | 33.11  | 26.43   | 00.049   | 1458.9  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 02.42 | 33.110 | 26.43   |          | 1458.9  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 02.22 | 33.13  | 26.48   | 00.081   | 1457.5  |      |     |       |     |     |      |    |
|              | OBS     | 00050 | 02.22 | 33.130 | 26.48   |          | 1457.5  |      |     |       |     |     |      |    |
|              | OBS     | 00064 | 02.23 | 33.140 | 26.49   |          | 1457.8  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 03.28 | 33.31  | 26.53   | 00.119   | 1462.7  |      |     |       |     |     |      |    |
|              | OBS     | 00088 | 03.67 | 33.380 | 26.55   |          | 1464.7  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 03.21 | 33.32  | 26.55   | 00.157   | 1462.9  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | 03.21 | 33.320 | 26.55   |          | 1462.9  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 03.03 | 33.07  | 26.93   | 00.190   | 1466.7  |      |     |       |     |     |      |    |
|              | OBS     | 00125 | 03.03 | 33.070 | 26.93   |          | 1466.7  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 04.16 | 34.02  | 27.01   | 00.217   | 1468.7  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 04.16 | 34.020 | 27.01   |          | 1468.7  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 04.04 | 34.26  | 27.15   | 00.268   | 1471.8  |      |     |       |     |     |      |    |
|              | OBS     | 00200 | 04.04 | 34.260 | 27.15   |          | 1471.8  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 04.80 | 34.41  | 27.25   | 00.313   | 1473.5  |      |     |       |     |     |      |    |
|              | OBS     | 00280 | 04.90 | 34.470 | 27.29   |          | 1474.5  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 04.80 | 34.50  | 27.32   | 00.354   | 1474.5  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 04.80 | 34.500 | 27.32   |          | 1474.5  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 04.53 | 34.60  | 27.43   | 00.429   | 1475.1  |      |     |       |     |     |      |    |
|              | OBS     | 00400 | 04.53 | 34.600 | 27.43   |          | 1475.1  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 04.37 | 34.68  | 27.51   | 00.495   | 1476.2  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 04.37 | 34.680 | 27.51   |          | 1476.2  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 04.25 | 34.74  | 27.57   | 00.556   | 1477.5  |      |     |       |     |     |      |    |
|              | OBS     | 00600 | 04.25 | 34.740 | 27.57   |          | 1477.5  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 04.15 | 34.79  | 27.63   | 00.612   | 1478.8  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 04.15 | 34.790 | 27.63   |          | 1478.8  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 04.02 | 34.83  | 27.67   | 00.665   | 1479.9  |      |     |       |     |     |      |    |
|              | OBS     | 00800 | 04.02 | 34.830 | 27.67   |          | 1479.9  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 03.88 | 34.88  | 27.72   | 00.713   | 1481.1  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 03.88 | 34.880 | 27.72   |          | 1481.1  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.77 | 34.94  | 27.78   | 00.757   | 1482.4  |      |     |       |     |     |      |    |
|              | OBS     | 01000 | 03.77 | 34.940 | 27.78   |          | 1482.4  |      |     |       |     |     |      |    |
|              | OBS     | 01020 | 03.79 | 34.940 | 27.78   |          | 1482.6  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | 80TOP 03308 | AIR TEMP 00.5    | DIA HGT PER | WIND-DIR 14 | INST STD RECORDER | TEN 50 1306 |
| CONSEC 0019    | MONTH 04  | SHIP EV     | WET BULB 07.9    | 14 3 3      | WIND-SPD 20 | TRACE DIA         | 5 SQUARE 4  |
| LAT 45 13.0N   | DAY 11    | DATA USE 1  | BAROMETER 1023.1 | SEA         | WIND-FOR    | DURATION 00.7     | 2 SQUARE 44 |
| LONG 046 55.0W | MOJR 09.7 | AREA 05     | CLOUD T/4        | CL/TR       | WEATHER X4  | ORIG 011 509 12   | 1 SQUARE 56 |

| CASIMM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SAD VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 09.7        | STD   | 00000 | 03.43  | 33.20  | 26.43   | 00.000  | 1462.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.43  | 33.200 | 26.43   |         | 1462.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.42  | 33.20  | 26.43   | 00.016  | 1462.1  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 03.42  | 33.200 | 26.43   |         | 1462.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.41  | 33.20  | 26.44   | 00.032  | 1462.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.35  | 33.21  | 26.45   | 00.048  | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.35  | 33.210 | 26.45   |         | 1462.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.06  | 33.22  | 26.48   | 00.080  | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 03.06  | 33.220 | 26.48   |         | 1461.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.86  | 33.25  | 26.52   | 00.118  | 1460.9  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 02.86  | 33.250 | 26.52   |         | 1460.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.74  | 33.30  | 26.57   | 00.156  | 1460.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.74  | 33.300 | 26.57   |         | 1460.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.92  | 33.79  | 26.85   | 00.189  | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.92  | 33.790 | 26.85   |         | 1466.9  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.16  | 33.97  | 26.97   | 00.218  | 1468.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.50  | 34.24  | 27.15   | 00.270  | 1471.2  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 04.50  | 34.240 | 27.15   |         | 1471.2  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.65  | 34.40  | 27.26   | 00.314  | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 04.65  | 34.400 | 27.26   |         | 1472.9  |      |     |       |     |     |      |    |
| STD         | 00300 | 04.65 | 34.48  | 27.32  | 00.355  | 1473.8  |         |      |     |       |     |     |      |    |
| OBS         | 00300 | 04.65 | 34.480 | 27.32  |         | 1473.8  |         |      |     |       |     |     |      |    |
| STD         | 00400 | 04.54 | 34.61  | 27.44  | 00.429  | 1475.2  |         |      |     |       |     |     |      |    |
| OBS         | 00400 | 04.54 | 34.610 | 27.44  |         | 1475.2  |         |      |     |       |     |     |      |    |
| STD         | 00500 | 04.41 | 34.68  | 27.51  | 00.496  | 1476.4  |         |      |     |       |     |     |      |    |
| OBS         | 00500 | 04.41 | 34.680 | 27.51  |         | 1476.4  |         |      |     |       |     |     |      |    |
| OBS         | 00550 | 04.30 | 34.710 | 27.55  |         | 1476.8  |         |      |     |       |     |     |      |    |
| STD         | 00600 | 04.23 | 34.74  | 27.58  | 00.557  | 1477.4  |         |      |     |       |     |     |      |    |
| OBS         | 00600 | 04.23 | 34.740 | 27.58  |         | 1477.4  |         |      |     |       |     |     |      |    |
| STD         | 00700 | 04.10 | 34.78  | 27.62  | 00.613  | 1478.5  |         |      |     |       |     |     |      |    |
| OBS         | 00700 | 04.10 | 34.780 | 27.62  |         | 1478.5  |         |      |     |       |     |     |      |    |
| STD         | 00800 | 04.01 | 34.83  | 27.67  | 00.666  | 1479.9  |         |      |     |       |     |     |      |    |
| OBS         | 00800 | 04.01 | 34.830 | 27.67  |         | 1479.9  |         |      |     |       |     |     |      |    |
| OBS         | 00845 | 03.89 | 34.850 | 27.70  |         | 1480.2  |         |      |     |       |     |     |      |    |
| OBS         | 00860 | 04.03 | 34.880 | 27.71  |         | 1481.1  |         |      |     |       |     |     |      |    |
| OBS         | 00880 | 03.86 | 34.870 | 27.72  |         | 1480.6  |         |      |     |       |     |     |      |    |
| STD         | 00900 | 03.92 | 34.88  | 27.72  | 00.714  | 1481.2  |         |      |     |       |     |     |      |    |
| OBS         | 00900 | 03.92 | 34.880 | 27.72  |         | 1481.2  |         |      |     |       |     |     |      |    |
| STD         | 01000 | 03.77 | 34.93  | 27.78  | 00.759  | 1482.3  |         |      |     |       |     |     |      |    |
| OBS         | 01000 | 03.77 | 34.930 | 27.78  |         | 1482.3  |         |      |     |       |     |     |      |    |
| OBS         | 01020 | 03.72 | 34.930 | 27.78  |         | 1482.5  |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 02276 | AIR TEMP 08.3   | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0020    | MONTH 04  | SHIP EV     | WET BULB 07.8   | 19 3 3      | WIND-SPD 25 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 21.0N   | DAY 11    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 047 12.3W | HOOR 12.9 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X4  | CRIG 011 510 11   | 1 SQUARE 57 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIG3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 12.9        | STD   | 00000 | 03.15 | 33.14  | 26.41   | 00.000 | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.15 | 33.140 | 26.41   |        | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.14 | 33.14  | 26.41   | 00.016 | 1460.8  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 03.14 | 33.140 | 26.41   |        | 1460.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.13 | 33.15  | 26.42   | 00.032 | 1461.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.13 | 33.150 | 26.42   |        | 1461.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.13 | 33.15  | 26.42   | 00.049 | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.13 | 33.150 | 26.42   |        | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 03.08 | 33.140 | 26.42   |        | 1461.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.68 | 33.11  | 26.43   | 00.081 | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 02.68 | 33.110 | 26.43   |        | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 02.32 | 33.140 | 26.48   |        | 1458.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.24 | 33.17  | 26.51   | 00.120 | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 02.24 | 33.170 | 26.51   |        | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 02.21 | 33.190 | 26.53   |        | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00088 | 01.80 | 33.140 | 26.52   |        | 1456.3  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 02.12 | 33.290 | 26.62   |        | 1458.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.45 | 33.65  | 26.86   | 00.154 | 1460.9  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.45 | 33.650 | 26.86   |        | 1460.9  |      |     |       |     |     |      |    |
|             | OBS   | 00110 | 04.31 | 33.900 | 26.90   |        | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00115 | 04.42 | 33.920 | 26.91   |        | 1469.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.25 | 33.91  | 26.92   | 00.164 | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.25 | 33.910 | 26.92   |        | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00132 | 04.00 | 33.900 | 26.93   |        | 1467.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.72 | 34.10  | 27.02   | 00.212 | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 04.72 | 34.100 | 27.02   |        | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00160 | 04.36 | 34.080 | 27.04   |        | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00168 | 04.41 | 34.110 | 27.06   |        | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 05.04 | 34.280 | 27.12   |        | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 04.74 | 34.250 | 27.13   |        | 1472.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.63 | 34.25  | 27.14   | 00.262 | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 04.63 | 34.250 | 27.14   |        | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00222 | 04.86 | 34.370 | 27.21   |        | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00235 | 04.65 | 34.340 | 27.21   |        | 1472.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.72 | 34.43  | 27.28   | 00.307 | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 04.72 | 34.430 | 27.28   |        | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00275 | 04.84 | 34.480 | 27.30   |        | 1474.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.78 | 34.51  | 27.33   | 00.347 | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.78 | 34.510 | 27.33   |        | 1474.4  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.89 | 34.64  | 27.42   | 00.422 | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 04.89 | 34.640 | 27.42   |        | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00470 | 04.38 | 34.644 | 27.48   |        | 1475.7  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.38 | 34.67  | 27.51   | 00.489 | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.39 | 34.720 | 27.54   |        | 1477.2  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.23 | 34.75  | 27.58   | 00.550 | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00650 | 04.14 | 34.770 | 27.61   |        | 1477.9  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.11 | 34.79  | 27.63   | 00.606 | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.11 | 34.790 | 27.63   |        | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.04 | 34.820 | 27.66   |        | 1479.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.01 | 34.84  | 27.68   | 00.658 | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 04.01 | 34.840 | 27.68   |        | 1479.9  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.94 | 34.89  | 27.73   | 00.706 | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.94 | 34.890 | 27.73   |        | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00980 | 03.90 | 34.940 | 27.77   |        | 1482.6  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.87 | 34.94  | 27.77   | 00.750 | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 03.87 | 34.940 | 27.77   |        | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 03.85 | 34.960 | 27.79   |        | 1483.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8376  | YEAR 1974 | BOTDP Q2102 | AIN TEMP 06.5   | DIR HGT PER | WIND-DIR 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0021    | MONTH 04  | SHIP EV     | WET BULB 05.8   | 19 2 2      | WIND-SPD 30 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 30.8N   | DAY 11    | DATA USE 1  | BAROMETR 1010.8 | SEA         | WIND-FGR    | DURATION 00.5     | 2 SQUARE 46 |
| LONG 047 28.0W | HOUR 15.6 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | CRIG Q11 511 18   | 1 SQUARE 57 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | DAYG | PO4 | TOT P | NO2 | NO3 | S103 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 15.6        | STD   | 00000 | - 0.98 | 32.76  | 26.36   | 00.000 | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.98 | 32.760 | 26.36   |        | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.99 | 32.77  | 26.37   | 00.017 | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.99 | 32.770 | 26.37   |        | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.01 | 32.78  | 26.38   | 00.033 | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.04 | 32.79  | 26.39   | 00.050 | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.04 | 32.790 | 26.39   |        | 1441.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.40 | 32.83  | 26.43   | 00.082 | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.40 | 32.830 | 26.43   |        | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | - 1.42 | 32.850 | 26.45   |        | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 0.94 | 33.05  | 26.59   | 00.121 | 1443.5  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 0.94 | 33.050 | 26.59   |        | 1443.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 00.08  | 33.210 | 26.68   |        | 1448.6  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 03.17  | 33.770 | 26.91   |        | 1463.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.44  | 33.83  | 26.93   | 00.153 | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.44  | 33.830 | 26.93   |        | 1464.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.73  | 34.08  | 27.00   | 00.181 | 1470.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.73  | 34.080 | 27.00   |        | 1470.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.40  | 34.19  | 27.12   | 00.206 | 1469.5  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 04.39  | 34.250 | 27.17   |        | 1470.4  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 04.48  | 34.250 | 27.16   |        | 1471.0  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.38  | 34.25  | 27.17   | 00.253 | 1470.7  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 04.38  | 34.250 | 27.17   |        | 1470.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.34  | 34.39  | 27.29   | 00.297 | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 04.34  | 34.390 | 27.29   |        | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 04.51  | 34.450 | 27.32   |        | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00280 | 04.38  | 34.480 | 27.35   |        | 1472.4  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.63  | 34.52  | 27.36   | 00.336 | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.63  | 34.520 | 27.36   |        | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00370 | 04.80  | 34.610 | 27.41   |        | 1475.8  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.47  | 34.61  | 27.45   | 00.409 | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 04.47  | 34.610 | 27.45   |        | 1474.9  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.29  | 34.67  | 27.51   | 00.475 | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00505 | 04.28  | 34.670 | 27.52   |        | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.33  | 34.710 | 27.54   |        | 1476.9  |      |     |       |     |     |      |    |
|             | OBS   | 00570 | 04.43  | 34.730 | 27.55   |        | 1477.7  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.27  | 34.75  | 27.58   | 00.535 | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 04.27  | 34.750 | 27.58   |        | 1477.5  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.19  | 34.79  | 27.62   | 00.591 | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.19  | 34.790 | 27.62   |        | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00758 | 04.05  | 34.820 | 27.66   |        | 1479.3  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.00  | 34.83  | 27.67   | 00.644 | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 04.00  | 34.830 | 27.67   |        | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00875 | 03.57  | 34.880 | 27.72   |        | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.93  | 34.89  | 27.73   | 00.692 | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.93  | 34.890 | 27.73   |        | 1481.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.92  | 34.95  | 27.78   | 00.737 | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 03.92  | 34.950 | 27.78   |        | 1483.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 01292 | AIR TEMP 06.2   | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0022    | MONTH 04  | SHIP EV     | NET BULB 05.8   | 19 4 5      | WIND-SPD 27 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 39.5N   | DAY 11    | DATA USE 1  | BAROMETR 1014.6 | SEA         | WIND-FOR    | DURATION          | 2 SQUARE 46 |
| LONG 047 44.5W | HOUR 18.5 | AREA 05     | CLUD T/A        | CL/T/R      | WEATHER X4  | ORIG 011 512 26   | 1 SQUARE 57 |

| CASNUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|---------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| STD 00000   |         |       | - 1.32 | 32.58  | 26.22   | 00.000 | 1439.8  |      |     |       |     |     |      |    |
| OBS 00000   |         |       | - 1.32 | 32.580 | 26.22   |        | 1439.8  |      |     |       |     |     |      |    |
| STD 00010   |         |       | - 1.33 | 32.60  | 26.24   | 00.018 | 1439.9  |      |     |       |     |     |      |    |
| OBS 00010   |         |       | - 1.33 | 32.600 | 26.24   |        | 1439.9  |      |     |       |     |     |      |    |
| STD 00020   |         |       | - 1.32 | 32.60  | 26.24   | 00.036 | 1440.1  |      |     |       |     |     |      |    |
| OBS 00020   |         |       | - 1.32 | 32.600 | 26.24   |        | 1440.1  |      |     |       |     |     |      |    |
| STD 00030   |         |       | - 1.60 | 32.66  | 26.30   | 00.053 | 1439.1  |      |     |       |     |     |      |    |
| STD 00050   |         |       | - 1.78 | 32.78  | 26.40   | 00.087 | 1438.7  |      |     |       |     |     |      |    |
| OBS 00050   |         |       | - 1.78 | 32.780 | 26.40   |        | 1438.7  |      |     |       |     |     |      |    |
| STD 00075   |         |       | - 1.31 | 32.92  | 26.50   | 00.127 | 1441.5  |      |     |       |     |     |      |    |
| OBS 00075   |         |       | - 1.31 | 32.920 | 26.50   |        | 1441.5  |      |     |       |     |     |      |    |
| STD 00100   |         |       | - 0.76 | 33.16  | 26.68   | 00.163 | 1444.9  |      |     |       |     |     |      |    |
| OBS 00100   |         |       | - 0.76 | 33.160 | 26.68   |        | 1444.9  |      |     |       |     |     |      |    |
| STD 00125   |         |       | 00.26  | 33.49  | 26.90   | 00.195 | 1450.4  |      |     |       |     |     |      |    |
| OBS 00125   |         |       | 00.26  | 33.490 | 26.90   |        | 1450.4  |      |     |       |     |     |      |    |
| STD 00150   |         |       | 00.85  | 33.69  | 27.02   | 00.222 | 1453.8  |      |     |       |     |     |      |    |
| OBS 00150   |         |       | 00.85  | 33.690 | 27.02   |        | 1453.8  |      |     |       |     |     |      |    |
| OBS 00177   |         |       | 01.45  | 33.870 | 27.13   |        | 1457.2  |      |     |       |     |     |      |    |
| STD 00200   |         |       | 01.92  | 33.98  | 27.18   | 00.271 | 1459.8  |      |     |       |     |     |      |    |
| OBS 00200   |         |       | 01.92  | 33.980 | 27.18   |        | 1459.8  |      |     |       |     |     |      |    |
| OBS 00227   |         |       | 01.99  | 34.030 | 27.22   |        | 1460.6  |      |     |       |     |     |      |    |
| STD 00250   |         |       | 02.34  | 34.13  | 27.27   | 00.314 | 1462.7  |      |     |       |     |     |      |    |
| OBS 00250   |         |       | 02.34  | 34.130 | 27.27   |        | 1462.7  |      |     |       |     |     |      |    |
| OBS 00277   |         |       | 02.57  | 34.180 | 27.29   |        | 1464.2  |      |     |       |     |     |      |    |
| STD 00300   |         |       | 02.80  | 34.25  | 27.33   | 00.354 | 1465.7  |      |     |       |     |     |      |    |
| OBS 00300   |         |       | 02.80  | 34.250 | 27.33   |        | 1465.7  |      |     |       |     |     |      |    |
| OBS 00329   |         |       | 03.17  | 34.350 | 27.37   |        | 1467.9  |      |     |       |     |     |      |    |
| OBS 00349   |         |       | 03.09  | 34.350 | 27.38   |        | 1467.9  |      |     |       |     |     |      |    |
| STD 00400   |         |       | 03.46  | 34.46  | 27.43   | 00.427 | 1470.4  |      |     |       |     |     |      |    |
| OBS 00400   |         |       | 03.46  | 34.460 | 27.43   |        | 1470.4  |      |     |       |     |     |      |    |
| OBS 00414   |         |       | 03.72  | 34.490 | 27.43   |        | 1471.8  |      |     |       |     |     |      |    |
| OBS 00424   |         |       | 03.63  | 34.474 | 27.42   |        | 1471.6  |      |     |       |     |     |      |    |
| OBS 00449   |         |       | 03.82  | 34.530 | 27.45   |        | 1472.9  |      |     |       |     |     |      |    |
| STD 00500   |         |       | 03.92  | 34.59  | 27.49   | 00.494 | 1474.2  |      |     |       |     |     |      |    |
| OBS 00500   |         |       | 03.92  | 34.590 | 27.49   |        | 1474.2  |      |     |       |     |     |      |    |
| OBS 00551   |         |       | 03.92  | 34.630 | 27.52   |        | 1475.1  |      |     |       |     |     |      |    |
| STD 00600   |         |       | 03.86  | 34.66  | 27.55   | 00.556 | 1475.7  |      |     |       |     |     |      |    |
| OBS 00600   |         |       | 03.86  | 34.660 | 27.55   |        | 1475.7  |      |     |       |     |     |      |    |
| OBS 00651   |         |       | 03.76  | 34.690 | 27.59   |        | 1476.2  |      |     |       |     |     |      |    |
| STD 00700   |         |       | 03.74  | 34.73  | 27.62   | 00.613 | 1477.0  |      |     |       |     |     |      |    |
| OBS 00700   |         |       | 03.74  | 34.730 | 27.62   |        | 1477.0  |      |     |       |     |     |      |    |
| OBS 00751   |         |       | 03.72  | 34.750 | 27.64   |        | 1477.3  |      |     |       |     |     |      |    |
| OBS 00794   |         |       | 03.66  | 34.790 | 27.68   |        | 1478.4  |      |     |       |     |     |      |    |
| STD 00800   |         |       | 03.66  | 34.79  | 27.68   | 00.665 | 1478.4  |      |     |       |     |     |      |    |
| STD 00900   |         |       | 03.65  | 34.84  | 27.72   | 00.713 | 1480.1  |      |     |       |     |     |      |    |
| OBS 00900   |         |       | 03.65  | 34.840 | 27.72   |        | 1480.1  |      |     |       |     |     |      |    |
| STD 01000   |         |       | 03.63  | 34.89  | 27.76   | 00.758 | 1481.7  |      |     |       |     |     |      |    |
| OBS 01000   |         |       | 03.63  | 34.890 | 27.76   |        | 1481.7  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00545 | AIR TEMP 06.2   | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0023    | MONTH 04  | SHIP EV     | NET BULB 05.8   | 18 4 5      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 47.2N   | DAY 11    | DATA USE 1  | BAROMETR 1010.4 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 46 |
| LONG 047 58.0W | HOUR 20.6 | AREA 05     | CLUD T/A        | CL/T/R      | WEATHER X4  | ORIG 011 513 18   | 1 SQUARE 57 |

| CASNUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|---------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| STD 00000   |         |       | - 1.37 | 32.57  | 26.22   | 00.000 | 1439.5  |      |     |       |     |     |      |    |
| OBS 00000   |         |       | - 1.37 | 32.570 | 26.22   |        | 1439.5  |      |     |       |     |     |      |    |
| STD 00010   |         |       | - 1.37 | 32.58  | 26.23   | 00.018 | 1439.7  |      |     |       |     |     |      |    |
| OBS 00010   |         |       | - 1.37 | 32.580 | 26.23   |        | 1439.7  |      |     |       |     |     |      |    |
| STD 00020   |         |       | - 1.38 | 32.59  | 26.23   | 00.036 | 1439.8  |      |     |       |     |     |      |    |
| OBS 00020   |         |       | - 1.38 | 32.590 | 26.23   |        | 1439.8  |      |     |       |     |     |      |    |
| STD 00030   |         |       | - 1.37 | 32.59  | 26.23   | 00.054 | 1440.1  |      |     |       |     |     |      |    |
| OBS 00030   |         |       | - 1.37 | 32.590 | 26.23   |        | 1440.1  |      |     |       |     |     |      |    |
| STD 00050   |         |       | - 1.76 | 32.65  | 26.29   | 00.089 | 1438.6  |      |     |       |     |     |      |    |
| OBS 00050   |         |       | - 1.76 | 32.650 | 26.29   |        | 1438.6  |      |     |       |     |     |      |    |
| STD 00075   |         |       | - 1.72 | 32.78  | 26.40   | 00.131 | 1439.4  |      |     |       |     |     |      |    |
| OBS 00075   |         |       | - 1.72 | 32.780 | 26.40   |        | 1439.4  |      |     |       |     |     |      |    |
| STD 00100   |         |       | - 1.53 | 32.91  | 26.50   | 00.171 | 1440.9  |      |     |       |     |     |      |    |
| OBS 00100   |         |       | - 1.53 | 32.910 | 26.50   |        | 1440.9  |      |     |       |     |     |      |    |
| OBS 00114   |         |       | - 1.51 | 33.040 | 26.60   |        | 1441.4  |      |     |       |     |     |      |    |
| STD 00125   |         |       | - 0.76 | 33.15  | 26.67   | 00.207 | 1445.3  |      |     |       |     |     |      |    |
| OBS 00125   |         |       | - 0.76 | 33.150 | 26.67   |        | 1445.3  |      |     |       |     |     |      |    |
| OBS 00145   |         |       | 00.26  | 33.350 | 26.78   |        | 1450.6  |      |     |       |     |     |      |    |
| STD 00150   |         |       | 00.26  | 33.35  | 26.78   | 00.240 | 1450.7  |      |     |       |     |     |      |    |
| OBS 00150   |         |       | 00.26  | 33.350 | 26.78   |        | 1450.7  |      |     |       |     |     |      |    |
| OBS 00175   |         |       | 00.32  | 33.380 | 26.81   |        | 1451.4  |      |     |       |     |     |      |    |
| STD 00200   |         |       | 00.34  | 33.40  | 26.82   | 00.303 | 1451.9  |      |     |       |     |     |      |    |
| OBS 00200   |         |       | 00.34  | 33.400 | 26.82   |        | 1451.9  |      |     |       |     |     |      |    |
| OBS 00225   |         |       | 00.39  | 33.440 | 26.85   |        | 1452.6  |      |     |       |     |     |      |    |
| STD 00250   |         |       | 00.44  | 33.48  | 26.88   | 00.363 | 1453.3  |      |     |       |     |     |      |    |
| OBS 00250   |         |       | 00.44  | 33.480 | 26.88   |        | 1453.3  |      |     |       |     |     |      |    |
| OBS 00264   |         |       | 00.46  | 33.490 | 26.89   |        | 1453.7  |      |     |       |     |     |      |    |
| OBS 00275   |         |       | 00.71  | 33.600 | 26.96   |        | 1455.1  |      |     |       |     |     |      |    |
| STD 00300   |         |       | 00.85  | 33.69  | 27.02   | 00.419 | 1456.3  |      |     |       |     |     |      |    |
| OBS 00300   |         |       | 00.85  | 33.690 | 27.02   |        | 1456.3  |      |     |       |     |     |      |    |
| OBS 00350   |         |       | 01.13  | 33.820 | 27.11   |        | 1458.6  |      |     |       |     |     |      |    |
| STD 00400   |         |       | 01.85  | 34.17  | 27.34   | 00.509 | 1463.1  |      |     |       |     |     |      |    |
| OBS 00400   |         |       | 01.85  | 34.170 | 27.34   |        | 1463.1  |      |     |       |     |     |      |    |
| OBS 00419   |         |       | 02.71  | 34.320 | 27.39   |        | 1467.3  |      |     |       |     |     |      |    |
| OBS 00450   |         |       | 03.62  | 34.510 | 27.46   |        | 1472.0  |      |     |       |     |     |      |    |
| OBS 00465   |         |       | 03.85  | 34.540 | 27.47   |        | 1473.3  |      |     |       |     |     |      |    |
| STD 00500   |         |       | 03.82  | 34.60  | 27.51   | 00.579 | 1473.8  |      |     |       |     |     |      |    |
| OBS 00500   |         |       | 03.82  | 34.600 | 27.51   |        | 1473.8  |      |     |       |     |     |      |    |
| OBS 00535   |         |       | 03.83  | 34.620 | 27.52   |        | 1474.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00190 AIR TEMP 04.6 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
 CONSEC 0024 MONTH 04 SHIP EV WET BULB 04.2 22 3 2 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 45 50.0N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FGR DURATION 00.1 2 SQUARE 48  
 LONG 048 05.3W HOUR 22.0 AREA 05 CLGUD T/A CL/TR WEATHER X5 ORIG 011 514 1 SQUARE 58

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 22.0        | STD   | 00000 | - 1.32 | 32.56  | 26.21   | 00.000 | 1439.8  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.32 | 32.560 | 26.21   |        | 1439.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.32 | 32.57  | 26.22   | 00.018 | 1439.9  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.32 | 32.570 | 26.22   |        | 1439.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.32 | 32.57  | 26.22   | 00.036 | 1440.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.32 | 32.570 | 26.22   |        | 1440.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.31 | 32.59  | 26.23   | 00.054 | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.31 | 32.590 | 26.23   |        | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.34 | 32.60  | 26.24   | 00.090 | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.34 | 32.600 | 26.24   |        | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.74 | 32.71  | 26.34   | 00.133 | 1439.2  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.74 | 32.710 | 26.34   |        | 1439.2  |      |     |       |     |     |      |    |
|             | OBS   | 00088 | - 1.59 | 32.760 | 26.38   |        | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.63 | 32.90  | 26.49   | 00.174 | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.63 | 32.900 | 26.49   |        | 1440.4  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00106 AIR TEMP 02.2 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306  
 CONSEC 0025 MONTH 04 SHIP EV WET BULB 02.2 18 4 5 WIND-SPD 18 TRACE DIR 0 5 SQUARE 4  
 LAT 45 58.0N DAY 11 DATA USE 1 BAROMETR 1010.8 SEA WIND-FGR DURATION 00.1 2 SQUARE 48  
 LONG 048 15.4W HOUR 23.7 AREA 05 CLGUD T/A CL/TR WEATHER X5 ORIG 011 515 1 SQUARE 58

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 23.7        | STD   | 00000 | - 1.03 | 32.50  | 26.15   | 00.000 | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.03 | 32.500 | 26.15   |        | 1441.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.03 | 32.50  | 26.16   | 00.019 | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.03 | 32.505 | 26.16   |        | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.05 | 32.51  | 26.16   | 00.037 | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.05 | 32.510 | 26.16   |        | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.07 | 32.52  | 26.17   | 00.056 | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.07 | 32.520 | 26.17   |        | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.12 | 32.54  | 26.19   | 00.093 | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.12 | 32.540 | 26.19   |        | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | - 1.50 | 32.620 | 26.26   |        | 1440.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.37 | 32.77  | 26.38   | 00.136 | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.37 | 32.770 | 26.38   |        | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | - 1.17 | 32.850 | 26.44   |        | 1442.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.17 | 32.85  | 26.44   | 00.177 | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.17 | 32.850 | 26.44   |        | 1442.5  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00117 AIR TEMP 02.8 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306  
 CONSEC 0026 MONTH 04 SHIP EV WET BULB 01.9 26 3 4 WIND-SPD 14 TRACE DIR 0 5 SQUARE 4  
 LAT 46 02.8N DAY 12 DATA USE 1 BAROMETR 1008.9 SEA WIND-FGR DURATION 00.1 2 SQUARE 68  
 LONG 048 25.0W HOUR 04.1 AREA 05 CLGUD T/A CL/TR WEATHER X4 ORIG 011 516 1 SQUARE 68

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 04.1        | STD   | 00000 | - 0.95 | 32.51  | 26.16   | 00.000 | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.95 | 32.510 | 26.16   |        | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.95 | 32.53  | 26.17   | 00.019 | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.95 | 32.530 | 26.17   |        | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.97 | 32.55  | 26.19   | 00.037 | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.97 | 32.550 | 26.19   |        | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.10 | 32.58  | 26.22   | 00.055 | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.10 | 32.580 | 26.22   |        | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | - 1.44 | 32.590 | 26.24   |        | 1439.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.53 | 32.65  | 26.29   | 00.091 | 1439.7  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.53 | 32.650 | 26.29   |        | 1439.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.71 | 32.77  | 26.39   | 00.133 | 1439.4  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.71 | 32.770 | 26.39   |        | 1439.4  |      |     |       |     |     |      |    |
|             | OBS   | 00084 | - 1.36 | 32.900 | 26.48   |        | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.22 | 32.92  | 26.50   | 00.173 | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.22 | 32.920 | 26.50   |        | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00115 | - 1.20 | 32.930 | 26.50   |        | 1442.7  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00085 AIR TEMP 01.9 DIR HGT PER WIND-DIR 28 INST STD RECORDER TEN SQ 1306  
 CONSEC 0027 MONTH 04 SHIP EV WET BULB 01.1 26 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 46 08.0N DAY 12 DATA USE 1 BAROMETR 1009.1 SEA WIND-FGR DURATION 00.1 2 SQUARE 68  
 LONG 048 44.0W HOUR 07.1 AREA 05 CLGUD T/A CL/TR WEATHER X4 ORIG 011 517 1 SQUARE 68

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 07.1        | STD   | 00000 | - 0.66 | 32.26  | 25.95   | 00.000 | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.66 | 32.260 | 25.95   |        | 1442.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.66 | 32.27  | 25.95   | 00.021 | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.66 | 32.270 | 25.95   |        | 1442.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.70 | 32.29  | 25.97   | 00.041 | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.70 | 32.290 | 25.97   |        | 1442.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.77 | 32.30  | 25.98   | 00.062 | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.77 | 32.300 | 25.98   |        | 1442.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.93 | 32.33  | 26.01   | 00.102 | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 0.93 | 32.330 | 26.01   |        | 1442.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.35 | 32.41  | 26.09   | 00.151 | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.35 | 32.410 | 26.09   |        | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00084 | - 1.36 | 32.420 | 26.10   |        | 1440.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03944 | AIR TEMP 03.0    | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0028    | MONTH 04  | SHIP EV     | MET BULB 01.0    | 20 1 4      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 33.6N   | DAY 12    | DATA USE 1  | BAROMETER 1010.4 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 44 |
| LONG 045 09.3W | HOOR 21.8 | AREA 05     | CLCUD T/A        | CL/TR       | WEATHER XT  | CRIG 011 518      | 1 SQUARE 55 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | DXYG | PO4 | TOT P | NO2 | NO3 | SIG3 | PH |
|---------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 21.8          | STD   | 00000 | 04.04 | 33.23  | 26.40   | 00.000 | 1464.6  |      |     |       |     |     |      |    |
|               | OBS   | 00000 | 04.04 | 33.230 | 26.40   |        | 1464.6  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 04.05 | 33.24  | 26.40   | 00.016 | 1464.9  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 04.08 | 33.24  | 26.40   | 00.033 | 1465.2  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 04.08 | 33.240 | 26.40   |        | 1465.2  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 04.12 | 33.23  | 26.39   | 00.049 | 1465.5  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 04.12 | 33.230 | 26.39   |        | 1465.5  |      |     |       |     |     |      |    |
|               | OBS   | 00045 | 04.36 | 33.376 | 26.48   |        | 1466.9  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 04.18 | 33.36  | 26.49   | 00.081 | 1466.2  |      |     |       |     |     |      |    |
|               | OBS   | 00055 | 04.02 | 33.350 | 26.50   |        | 1465.6  |      |     |       |     |     |      |    |
|               | OBS   | 00070 | 03.64 | 33.334 | 26.52   |        | 1464.2  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 03.71 | 33.34  | 26.52   | 00.120 | 1464.6  |      |     |       |     |     |      |    |
|               | OBS   | 00080 | 03.75 | 33.376 | 26.54   |        | 1464.9  |      |     |       |     |     |      |    |
|               | OBS   | 00085 | 03.75 | 33.420 | 26.58   |        | 1465.1  |      |     |       |     |     |      |    |
|               | OBS   | 00090 | 04.14 | 33.440 | 26.55   |        | 1466.8  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 03.70 | 33.43  | 26.59   | 00.157 | 1465.1  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 03.70 | 33.430 | 26.59   |        | 1465.1  |      |     |       |     |     |      |    |
|               | OBS   | 00120 | 05.13 | 33.790 | 26.72   |        | 1471.9  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 05.17 | 33.81  | 26.73   | 00.192 | 1472.2  |      |     |       |     |     |      |    |
|               | OBS   | 00130 | 05.24 | 33.830 | 26.74   |        | 1472.6  |      |     |       |     |     |      |    |
|               | OBS   | 00140 | 05.45 | 34.070 | 26.91   |        | 1473.9  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 05.29 | 34.03  | 26.90   | 00.224 | 1473.4  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 05.29 | 34.030 | 26.90   |        | 1473.4  |      |     |       |     |     |      |    |
|               | OBS   | 00180 | 04.86 | 34.080 | 26.98   |        | 1472.2  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 04.73 | 34.14  | 27.05   | 00.279 | 1472.0  |      |     |       |     |     |      |    |
|               | OBS   | 00200 | 04.73 | 34.140 | 27.05   |        | 1472.0  |      |     |       |     |     |      |    |
|               | OBS   | 00220 | 04.89 | 34.190 | 27.07   |        | 1473.1  |      |     |       |     |     |      |    |
|               | OBS   | 00230 | 04.81 | 34.190 | 27.08   |        | 1472.9  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 05.15 | 34.28  | 27.11   | 00.330 | 1474.8  |      |     |       |     |     |      |    |
|               | OBS   | 00250 | 05.15 | 34.280 | 27.11   |        | 1474.8  |      |     |       |     |     |      |    |
|               | OBS   | 00275 | 04.73 | 34.280 | 27.16   |        | 1473.5  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 05.18 | 34.47  | 27.26   | 00.377 | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 05.18 | 34.470 | 27.26   |        | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00350 | 05.35 | 34.590 | 27.33   |        | 1477.7  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 05.16 | 34.61  | 27.37   | 00.458 | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00400 | 05.16 | 34.616 | 27.37   |        | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00450 | 04.97 | 34.610 | 27.39   |        | 1477.8  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 04.84 | 34.71  | 27.49   | 00.529 | 1478.2  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 04.84 | 34.710 | 27.49   |        | 1478.2  |      |     |       |     |     |      |    |
|               | OBS   | 00550 | 04.68 | 34.740 | 27.53   |        | 1478.4  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 04.54 | 34.77  | 27.57   | 00.592 | 1478.7  |      |     |       |     |     |      |    |
|               | OBS   | 00600 | 04.54 | 34.770 | 27.57   |        | 1478.7  |      |     |       |     |     |      |    |
|               | OBS   | 00650 | 04.30 | 34.760 | 27.59   |        | 1478.5  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 04.21 | 34.75  | 27.59   | 00.651 | 1479.0  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 04.21 | 34.750 | 27.59   |        | 1479.0  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 04.16 | 34.820 | 27.65   |        | 1479.7  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 04.21 | 34.84  | 27.66   | 00.706 | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00800 | 04.21 | 34.840 | 27.66   |        | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00850 | 04.04 | 34.810 | 27.65   |        | 1480.8  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 04.12 | 34.92  | 27.73   | 00.755 | 1482.1  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 04.12 | 34.920 | 27.73   |        | 1482.1  |      |     |       |     |     |      |    |
|               | OBS   | 00950 | 04.09 | 34.950 | 27.76   |        | 1482.9  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 04.00 | 34.97  | 27.78   | 00.800 | 1483.4  |      |     |       |     |     |      |    |
|               | OBS   | 01000 | 04.00 | 34.970 | 27.78   |        | 1483.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03109 | AIR TEMP 00.2   | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0029    | MONTH 04  | SHIP EV     | WET BULB 00.2   | 25 3 2      | WIND-SPD 27 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 47.5N   | DAY 13    | DATA USE 1  | BAROMETR 1012.8 | SEA         | WIND-FOR    | DURATION 00.6     | 2 SQUARE 44 |
| LONG 045 48.0W | MOON 03.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X7  | ORIG 011 519      | 1 SQUARE 55 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 03.2          | STD   | 00000 | 03.92 | 33.83  | 26.89   | 00.000  | 1465.0  |      |     |       |     |     |      |    |
|               | OBS   | 00000 | 03.92 | 33.835 | 26.89   |         | 1465.0  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 03.92 | 33.84  | 26.89   | 00.012  | 1465.1  |      |     |       |     |     |      |    |
|               | OBS   | 00010 | 03.92 | 33.837 | 26.89   |         | 1465.1  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 03.92 | 33.84  | 26.89   | 00.023  | 1465.3  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 03.92 | 33.840 | 26.89   |         | 1465.3  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 03.93 | 33.85  | 26.90   | 00.035  | 1465.5  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 03.93 | 33.847 | 26.90   |         | 1465.5  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 03.98 | 33.86  | 26.91   | 00.058  | 1466.1  |      |     |       |     |     |      |    |
|               | OBS   | 00050 | 03.98 | 33.861 | 26.91   |         | 1466.1  |      |     |       |     |     |      |    |
|               | OBS   | 00062 | 04.19 | 33.949 | 26.95   |         | 1467.3  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 03.84 | 33.99  | 27.02   | 00.086  | 1466.1  |      |     |       |     |     |      |    |
|               | OBS   | 00075 | 03.84 | 33.990 | 27.02   |         | 1466.1  |      |     |       |     |     |      |    |
|               | OBS   | 00095 | 03.15 | 34.035 | 27.13   |         | 1463.5  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 04.12 | 34.30  | 27.24   | 00.110  | 1468.1  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 04.12 | 34.296 | 27.24   |         | 1468.1  |      |     |       |     |     |      |    |
|               | OBS   | 00113 | 05.33 | 34.500 | 27.26   |         | 1473.6  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 05.13 | 34.49  | 27.28   | 00.131  | 1472.9  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 05.13 | 34.486 | 27.28   |         | 1472.9  |      |     |       |     |     |      |    |
|               | OBS   | 00133 | 05.50 | 34.597 | 27.32   |         | 1474.7  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 05.24 | 34.60  | 27.35   | 00.150  | 1473.9  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 05.24 | 34.596 | 27.35   |         | 1473.9  |      |     |       |     |     |      |    |
|               | OBS   | 00173 | 04.97 | 34.595 | 27.38   |         | 1473.2  |      |     |       |     |     |      |    |
|               | OBS   | 00184 | 05.83 | 34.799 | 27.44   |         | 1477.2  |      |     |       |     |     |      |    |
|               | OBS   | 00197 | 05.87 | 34.813 | 27.44   |         | 1477.5  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 05.88 | 34.84  | 27.46   | 00.186  | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00211 | 05.91 | 34.865 | 27.48   |         | 1478.0  |      |     |       |     |     |      |    |
|               | OBS   | 00223 | 05.50 | 34.824 | 27.50   |         | 1476.5  |      |     |       |     |     |      |    |
|               | OBS   | 00228 | 05.72 | 34.885 | 27.52   |         | 1477.6  |      |     |       |     |     |      |    |
|               | OBS   | 00232 | 04.95 | 34.800 | 27.54   |         | 1474.4  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 05.33 | 34.86  | 27.55   | 00.217  | 1476.3  |      |     |       |     |     |      |    |
|               | OBS   | 00250 | 05.33 | 34.859 | 27.55   |         | 1476.3  |      |     |       |     |     |      |    |
|               | OBS   | 00252 | 05.51 | 34.908 | 27.56   |         | 1477.1  |      |     |       |     |     |      |    |
|               | OBS   | 00265 | 05.33 | 34.893 | 27.57   |         | 1476.6  |      |     |       |     |     |      |    |
|               | OBS   | 00289 | 05.76 | 35.009 | 27.61   |         | 1478.9  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 05.46 | 34.98  | 27.63   | 00.244  | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00301 | 05.46 | 34.979 | 27.62   |         | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00311 | 05.67 | 35.034 | 27.64   |         | 1478.9  |      |     |       |     |     |      |    |
|               | OBS   | 00348 | 05.24 | 34.981 | 27.65   |         | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00359 | 04.73 | 34.931 | 27.67   |         | 1475.7  |      |     |       |     |     |      |    |
|               | OBS   | 00384 | 04.55 | 34.925 | 27.69   |         | 1475.4  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 04.63 | 34.96  | 27.71   | 00.292  | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00400 | 04.63 | 34.964 | 27.71   |         | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00413 | 04.52 | 34.954 | 27.71   |         | 1475.8  |      |     |       |     |     |      |    |
|               | OBS   | 00424 | 04.58 | 34.977 | 27.73   |         | 1476.2  |      |     |       |     |     |      |    |
|               | OBS   | 00449 | 04.25 | 34.935 | 27.73   |         | 1475.2  |      |     |       |     |     |      |    |
|               | OBS   | 00472 | 04.43 | 34.976 | 27.74   |         | 1476.4  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 04.39 | 34.98  | 27.75   | 00.334  | 1476.7  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 04.39 | 34.984 | 27.75   |         | 1476.7  |      |     |       |     |     |      |    |
|               | OBS   | 00548 | 04.25 | 34.974 | 27.76   |         | 1476.9  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 04.26 | 34.98  | 27.77   | 00.375  | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00600 | 04.26 | 34.984 | 27.77   |         | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00648 | 04.22 | 34.995 | 27.78   |         | 1478.5  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 04.28 | 35.01  | 27.79   | 00.415  | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 04.28 | 35.011 | 27.79   |         | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00748 | 04.20 | 35.002 | 27.79   |         | 1480.1  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 04.23 | 34.995 | 27.78   |         | 1480.3  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 04.23 | 34.99  | 27.78   | 00.455  | 1481.0  |      |     |       |     |     |      |    |
|               | OBS   | 00800 | 04.23 | 34.990 | 27.78   |         | 1481.0  |      |     |       |     |     |      |    |
|               | OBS   | 00850 | 04.08 | 34.975 | 27.78   |         | 1481.2  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 03.83 | 34.93  | 27.77   | 00.497  | 1480.9  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 03.83 | 34.935 | 27.77   |         | 1480.9  |      |     |       |     |     |      |    |
|               | OBS   | 00950 | 03.72 | 34.925 | 27.78   |         | 1481.3  |      |     |       |     |     |      |    |
|               | OBS   | 00970 | 03.69 | 34.920 | 27.78   |         | 1481.5  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 03.86 | 34.95  | 27.78   | 00.539  | 1482.8  |      |     |       |     |     |      |    |
|               | OBS   | 01000 | 03.86 | 34.950 | 27.78   |         | 1482.8  |      |     |       |     |     |      |    |
|               | OBS   | 01020 | 03.84 | 34.940 | 27.78   |         | 1483.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00878 | AIR TEMP 00.8   | DIA HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0030    | MONTH 04  | SHIP EV     | WET BULB -00.2  | 28 4 3      | WIND-SPD 25 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 00.0N   | DAY 13    | DATA USE 1  | BAROMETR 1014.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 046 25.5W | HOOR 10.2 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X2  | ORIG 011 520      | 1 SQUARE 66 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYN DPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 10.2        | STD     | 00000 | 01.05 | 33.01  | 26.47   | 00.000   | 1451.3  |      |     |       |     |     |      |    |
|             | OBS     | 00007 | 01.05 | 33.010 | 26.47   |          | 1451.4  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 01.05 | 33.01  | 26.40   | 00.016   | 1451.5  |      |     |       |     |     |      |    |
|             | OBS     | 00019 | 01.04 | 33.000 | 26.40   |          | 1451.6  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 01.03 | 33.00  | 26.40   | 00.032   | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 01.03 | 33.000 | 26.40   |          | 1451.5  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 00.99 | 33.07  | 26.52   | 00.047   | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00032 | 00.98 | 33.080 | 26.53   |          | 1451.6  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 00.97 | 33.09  | 26.53   | 00.077   | 1451.9  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | 00.97 | 33.090 | 26.54   |          | 1451.9  |      |     |       |     |     |      |    |
|             | STD     | 00073 | 01.31 | 33.21  | 26.61   | 00.114   | 1454.0  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | 01.34 | 33.210 | 26.61   |          | 1454.1  |      |     |       |     |     |      |    |
|             | OBS     | 00079 | 01.44 | 33.220 | 26.61   |          | 1454.7  |      |     |       |     |     |      |    |
|             | OBS     | 00089 | 03.08 | 33.620 | 26.80   |          | 1462.5  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 03.60 | 33.72  | 26.83   | 00.148   | 1465.1  |      |     |       |     |     |      |    |
|             | OBS     | 00106 | 03.85 | 33.770 | 26.85   |          | 1466.3  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 04.21 | 33.89  | 26.91   | 00.178   | 1468.3  |      |     |       |     |     |      |    |
|             | OBS     | 00129 | 04.26 | 33.920 | 26.92   |          | 1468.6  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 04.33 | 34.02  | 26.99   | 00.206   | 1469.4  |      |     |       |     |     |      |    |
|             | OBS     | 00152 | 04.35 | 34.030 | 27.00   |          | 1469.5  |      |     |       |     |     |      |    |
|             | OBS     | 00167 | 04.56 | 34.100 | 27.03   |          | 1470.7  |      |     |       |     |     |      |    |
|             | OBS     | 00173 | 04.09 | 34.110 | 27.09   |          | 1468.9  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 04.14 | 34.12  | 27.09   | 00.258   | 1469.6  |      |     |       |     |     |      |    |
|             | OBS     | 00203 | 04.13 | 34.120 | 27.05   |          | 1469.7  |      |     |       |     |     |      |    |
|             | OBS     | 00209 | 04.08 | 34.120 | 27.10   |          | 1469.5  |      |     |       |     |     |      |    |
|             | OBS     | 00215 | 04.24 | 34.230 | 27.19   |          | 1470.4  |      |     |       |     |     |      |    |
|             | OBS     | 00228 | 04.24 | 34.240 | 27.18   |          | 1470.6  |      |     |       |     |     |      |    |
|             | OBS     | 00237 | 04.46 | 34.350 | 27.24   |          | 1471.8  |      |     |       |     |     |      |    |
|             | OBS     | 00247 | 04.73 | 34.390 | 27.24   |          | 1473.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 04.75 | 34.70  | 27.23   | 00.305   | 1473.2  |      |     |       |     |     |      |    |
|             | OBS     | 00253 | 04.76 | 34.380 | 27.23   |          | 1473.4  |      |     |       |     |     |      |    |
|             | OBS     | 00276 | 04.73 | 34.440 | 27.28   |          | 1473.7  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 04.57 | 34.45  | 27.31   | 00.347   | 1473.4  |      |     |       |     |     |      |    |
|             | OBS     | 00302 | 04.56 | 34.450 | 27.31   |          | 1473.4  |      |     |       |     |     |      |    |
|             | OBS     | 00350 | 04.56 | 34.470 | 27.33   |          | 1474.3  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 04.38 | 34.56  | 27.41   | 00.423   | 1474.5  |      |     |       |     |     |      |    |
|             | OBS     | 00403 | 04.37 | 34.560 | 27.42   |          | 1474.5  |      |     |       |     |     |      |    |
|             | OBS     | 00464 | 04.11 | 34.590 | 27.47   |          | 1474.4  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.08 | 34.58  | 27.47   | 00.492   | 1474.9  |      |     |       |     |     |      |    |
|             | OBS     | 00502 | 04.08 | 34.580 | 27.47   |          | 1474.9  |      |     |       |     |     |      |    |
|             | OBS     | 00552 | 04.09 | 34.590 | 27.47   |          | 1475.8  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.07 | 34.70  | 27.56   | 00.556   | 1476.6  |      |     |       |     |     |      |    |
|             | OBS     | 00601 | 04.07 | 34.700 | 27.56   |          | 1476.7  |      |     |       |     |     |      |    |
|             | OBS     | 00666 | 03.96 | 34.720 | 27.59   |          | 1477.3  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 03.91 | 34.71  | 27.55   | 00.614   | 1477.7  |      |     |       |     |     |      |    |
|             | OBS     | 00711 | 03.89 | 34.710 | 27.59   |          | 1477.8  |      |     |       |     |     |      |    |
|             | OBS     | 00750 | 03.79 | 34.720 | 27.61   |          | 1478.0  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 03.74 | 34.79  | 27.67   | 00.668   | 1478.7  |      |     |       |     |     |      |    |
|             | OBS     | 00801 | 03.74 | 34.790 | 27.67   |          | 1478.7  |      |     |       |     |     |      |    |
|             | OBS     | 00871 | 03.71 | 34.790 | 27.67   |          | 1479.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 01414 | AIR TEMP 02.3   | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1904 |
| CONSEC 0031    | MONTH 04  | SHIP EV     | WET BULB 00.8   | 27 3 3      | WIND-SPD 18 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 04.0N   | DAY 13    | DATA USE 1  | BAROMETR 1015.9 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 66 |
| LONG 046 54.1W | HOOR 16.1 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER XT  | ORIG 011 521 14   | 1 SQUARE 66 |

| CAS/NUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN/DPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 16.1         | STD     | 00000 | - 1.01 | 32.51  | 26.16   | 00.000  | 1441.1  |      |     |       |     |     |      |    |
|              | OBS     | 00003 | - 1.01 | 32.510 | 26.16   |         | 1441.2  |      |     |       |     |     |      |    |
|              | STD     | 00010 | - 1.00 | 32.52  | 26.17   | 00.019  | 1441.4  |      |     |       |     |     |      |    |
|              | OBS     | 00013 | - 1.00 | 32.532 | 26.18   |         | 1441.4  |      |     |       |     |     |      |    |
|              | SFD     | 00020 | - 0.93 | 32.63  | 26.25   | 00.037  | 1442.0  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | - 0.88 | 32.650 | 26.27   |         | 1442.3  |      |     |       |     |     |      |    |
|              | OBS     | 00026 | - 0.30 | 32.855 | 26.41   |         | 1445.4  |      |     |       |     |     |      |    |
|              | STD     | 00030 | - 0.13 | 32.99  | 26.52   | 00.053  | 1446.4  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | - 0.11 | 33.010 | 26.53   |         | 1446.5  |      |     |       |     |     |      |    |
|              | OBS     | 00041 | 00.32  | 33.076 | 26.56   |         | 1448.8  |      |     |       |     |     |      |    |
|              | OBS     | 00043 | 00.61  | 33.215 | 26.66   |         | 1450.3  |      |     |       |     |     |      |    |
|              | OBS     | 00047 | 01.26  | 33.280 | 26.67   |         | 1453.4  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 01.26  | 33.29  | 26.67   | 00.082  | 1453.5  |      |     |       |     |     |      |    |
|              | OBS     | 00053 | 01.34  | 33.310 | 26.69   |         | 1453.9  |      |     |       |     |     |      |    |
|              | OBS     | 00059 | 01.66  | 33.400 | 26.74   |         | 1455.5  |      |     |       |     |     |      |    |
|              | OBS     | 00068 | 02.46  | 33.547 | 26.79   |         | 1460.3  |      |     |       |     |     |      |    |
|              | OBS     | 00074 | 03.06  | 33.710 | 26.87   |         | 1462.3  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 03.17  | 33.72  | 26.87   | 00.114  | 1462.8  |      |     |       |     |     |      |    |
|              | OBS     | 00081 | 03.75  | 33.770 | 26.86   |         | 1465.5  |      |     |       |     |     |      |    |
|              | OBS     | 00097 | 02.78  | 33.725 | 26.91   |         | 1461.5  |      |     |       |     |     |      |    |
|              | OBS     | 00099 | 02.79  | 33.760 | 26.94   |         | 1461.6  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 02.93  | 33.78  | 26.94   | 00.143  | 1462.3  |      |     |       |     |     |      |    |
|              | OBS     | 00104 | 03.36  | 33.890 | 26.97   |         | 1465.2  |      |     |       |     |     |      |    |
|              | OBS     | 00112 | 04.32  | 34.040 | 27.00   |         | 1469.2  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 04.53  | 34.09  | 27.03   | 00.171  | 1469.9  |      |     |       |     |     |      |    |
|              | OBS     | 00127 | 04.55  | 34.100 | 27.03   |         | 1470.0  |      |     |       |     |     |      |    |
|              | OBS     | 00140 | 02.85  | 34.000 | 27.12   |         | 1462.9  |      |     |       |     |     |      |    |
|              | OBS     | 00148 | 03.13  | 34.015 | 27.11   |         | 1464.3  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 03.25  | 34.03  | 27.11   | 00.196  | 1464.8  |      |     |       |     |     |      |    |
|              | OBS     | 00152 | 03.41  | 34.060 | 27.12   |         | 1465.4  |      |     |       |     |     |      |    |
|              | OBS     | 00177 | 03.36  | 34.120 | 27.17   |         | 1465.9  |      |     |       |     |     |      |    |
|              | OBS     | 00182 | 03.51  | 34.120 | 27.16   |         | 1466.6  |      |     |       |     |     |      |    |
|              | OBS     | 00186 | 04.48  | 34.250 | 27.16   |         | 1470.9  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 04.65  | 34.32  | 27.20   | 00.243  | 1472.0  |      |     |       |     |     |      |    |
|              | OBS     | 00201 | 04.67  | 34.330 | 27.20   |         | 1472.1  |      |     |       |     |     |      |    |
|              | OBS     | 00226 | 04.73  | 34.380 | 27.24   |         | 1472.8  |      |     |       |     |     |      |    |
|              | OBS     | 00247 | 04.79  | 34.407 | 27.25   |         | 1473.4  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 04.68  | 34.39  | 27.25   | 00.287  | 1473.0  |      |     |       |     |     |      |    |
|              | OBS     | 00255 | 04.56  | 34.370 | 27.25   |         | 1472.5  |      |     |       |     |     |      |    |
|              | OBS     | 00257 | 04.55  | 34.376 | 27.25   |         | 1472.5  |      |     |       |     |     |      |    |
|              | OBS     | 00266 | 04.26  | 34.406 | 27.30   |         | 1471.5  |      |     |       |     |     |      |    |
|              | OBS     | 00281 | 03.71  | 34.380 | 27.34   |         | 1469.4  |      |     |       |     |     |      |    |
|              | OBS     | 00283 | 03.78  | 34.400 | 27.35   |         | 1469.8  |      |     |       |     |     |      |    |
|              | OBS     | 00285 | 04.21  | 34.446 | 27.34   |         | 1471.7  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 04.32  | 34.47  | 27.35   | 00.327  | 1472.4  |      |     |       |     |     |      |    |
|              | OBS     | 00350 | 04.55  | 34.540 | 27.38   |         | 1476.3  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 04.58  | 34.59  | 27.42   | 00.401  | 1475.3  |      |     |       |     |     |      |    |
|              | OBS     | 00401 | 04.58  | 34.590 | 27.42   |         | 1475.3  |      |     |       |     |     |      |    |
|              | OBS     | 00453 | 04.46  | 34.590 | 27.43   |         | 1475.7  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 04.35  | 34.60  | 27.45   | 00.471  | 1476.0  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 04.35  | 34.600 | 27.45   |         | 1476.0  |      |     |       |     |     |      |    |
|              | OBS     | 00550 | 04.28  | 34.600 | 27.46   |         | 1476.6  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 04.15  | 34.69  | 27.54   | 00.536  | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00601 | 04.15  | 34.690 | 27.55   |         | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00651 | 03.97  | 34.700 | 27.57   |         | 1477.1  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 03.99  | 34.73  | 27.59   | 00.595  | 1478.0  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 03.99  | 34.73  | 27.59   |         | 1478.0  |      |     |       |     |     |      |    |
|              | OBS     | 00750 | 03.85  | 34.710 | 27.59   |         | 1478.2  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 03.78  | 34.74  | 27.62   | 00.651  | 1478.8  |      |     |       |     |     |      |    |
|              | OBS     | 00801 | 03.78  | 34.740 | 27.62   |         | 1478.8  |      |     |       |     |     |      |    |
|              | OBS     | 00850 | 03.74  | 34.800 | 27.68   |         | 1479.6  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 03.69  | 34.79  | 27.67   | 00.704  | 1480.2  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 03.69  | 34.790 | 27.67   |         | 1480.2  |      |     |       |     |     |      |    |
|              | OBS     | 00951 | 03.63  | 34.780 | 27.67   |         | 1480.8  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.60  | 34.80  | 27.69   | 00.754  | 1481.5  |      |     |       |     |     |      |    |
|              | OBS     | 01001 | 03.60  | 34.805 | 27.69   |         | 1481.5  |      |     |       |     |     |      |    |
|              | OBS     | 01026 | 03.60  | 34.890 | 27.78   |         | 1482.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00815 | AIR TEMP -00.8  | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0032    | MONTH 04  | SHIP EV     | WET BULB -02.0  | 28 4 3      | WIND-SPD 22 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 13.1N   | DAY 13    | DATA USE 1  | BAROMETR 1016.3 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 66 |
| LONG 047 09.8W | HOUR 19.6 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | CRIG 011 522 12   | 1 SQUARE 67 |

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|--------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 19.6         | STD   | 00000 | - 1.33 | 32.52  | 26.18   | 00.000  | 1439.6  |      |     |       |     |     |      |    |
|              | OBS   | 00003 | - 1.35 | 32.521 | 26.18   |         | 1439.6  |      |     |       |     |     |      |    |
|              | STD   | 00010 | - 1.31 | 32.52  | 26.18   | 00.018  | 1439.9  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | - 1.30 | 32.520 | 26.18   |         | 1440.0  |      |     |       |     |     |      |    |
|              | STD   | 00020 | - 1.29 | 32.53  | 26.18   | 00.037  | 1440.2  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | - 1.29 | 32.530 | 26.18   |         | 1440.2  |      |     |       |     |     |      |    |
|              | STD   | 00030 | - 1.29 | 32.53  | 26.18   | 00.055  | 1440.3  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | - 1.29 | 32.530 | 26.18   |         | 1440.4  |      |     |       |     |     |      |    |
|              | OBS   | 00045 | - 1.29 | 32.510 | 26.17   |         | 1440.6  |      |     |       |     |     |      |    |
|              | STD   | 00050 | - 1.39 | 32.52  | 26.18   | 00.092  | 1440.2  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 1.45 | 32.520 | 26.18   |         | 1439.9  |      |     |       |     |     |      |    |
|              | OBS   | 00055 | - 1.70 | 32.667 | 26.30   |         | 1439.0  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.21 | 33.00  | 26.56   | 00.134  | 1442.1  |      |     |       |     |     |      |    |
|              | OBS   | 00076 | - 1.16 | 33.030 | 26.58   |         | 1442.4  |      |     |       |     |     |      |    |
|              | OBS   | 00081 | - 0.87 | 33.200 | 26.71   |         | 1444.1  |      |     |       |     |     |      |    |
|              | OBS   | 00083 | - 0.61 | 33.210 | 26.71   |         | 1445.4  |      |     |       |     |     |      |    |
|              | OBS   | 00093 | - 0.35 | 33.253 | 26.73   |         | 1446.8  |      |     |       |     |     |      |    |
|              | STD   | 00100 | 00.13  | 33.35  | 26.79   | 00.168  | 1449.3  |      |     |       |     |     |      |    |
|              | OBS   | 00104 | 00.38  | 33.420 | 26.83   |         | 1450.4  |      |     |       |     |     |      |    |
|              | OBS   | 00118 | 00.66  | 33.650 | 27.00   |         | 1452.4  |      |     |       |     |     |      |    |
|              | STD   | 00125 | 00.98  | 33.68  | 27.01   | 00.197  | 1453.9  |      |     |       |     |     |      |    |
|              | OBS   | 00125 | 01.00  | 33.680 | 27.01   |         | 1454.1  |      |     |       |     |     |      |    |
|              | STD   | 00150 | 01.74  | 33.86  | 27.10   | 00.223  | 1458.0  |      |     |       |     |     |      |    |
|              | OBS   | 00150 | 01.74  | 33.860 | 27.10   |         | 1458.0  |      |     |       |     |     |      |    |
|              | OBS   | 00175 | 01.45  | 33.900 | 27.15   |         | 1457.2  |      |     |       |     |     |      |    |
|              | STD   | 00200 | 01.99  | 34.03  | 27.22   | 00.269  | 1460.2  |      |     |       |     |     |      |    |
|              | OBS   | 00201 | 02.02  | 34.035 | 27.22   |         | 1460.3  |      |     |       |     |     |      |    |
|              | OBS   | 00226 | 02.42  | 34.090 | 27.23   |         | 1462.6  |      |     |       |     |     |      |    |
|              | STD   | 00250 | 02.57  | 34.20  | 27.30   | 00.310  | 1463.8  |      |     |       |     |     |      |    |
|              | OBS   | 00253 | 02.60  | 34.205 | 27.31   |         | 1464.0  |      |     |       |     |     |      |    |
|              | OBS   | 00279 | 02.88  | 34.230 | 27.30   |         | 1465.6  |      |     |       |     |     |      |    |
|              | STD   | 00300 | 03.14  | 34.26  | 27.30   | 00.350  | 1467.1  |      |     |       |     |     |      |    |
|              | OBS   | 00300 | 03.15  | 34.260 | 27.30   |         | 1467.2  |      |     |       |     |     |      |    |
|              | OBS   | 00354 | 03.53  | 34.380 | 27.36   |         | 1469.9  |      |     |       |     |     |      |    |
|              | STD   | 00400 | 03.77  | 34.44  | 27.39   | 00.427  | 1471.7  |      |     |       |     |     |      |    |
|              | OBS   | 00401 | 03.78  | 34.443 | 27.39   |         | 1471.8  |      |     |       |     |     |      |    |
|              | OBS   | 00451 | 03.96  | 34.470 | 27.39   |         | 1473.4  |      |     |       |     |     |      |    |
|              | STD   | 00500 | 04.01  | 34.59  | 27.48   | 00.496  | 1474.6  |      |     |       |     |     |      |    |
|              | OBS   | 00500 | 04.01  | 34.590 | 27.48   |         | 1474.6  |      |     |       |     |     |      |    |
|              | OBS   | 00553 | 03.99  | 34.590 | 27.48   |         | 1475.4  |      |     |       |     |     |      |    |
|              | STD   | 00600 | 03.96  | 34.58  | 27.48   | 00.563  | 1476.0  |      |     |       |     |     |      |    |
|              | OBS   | 00603 | 03.96  | 34.580 | 27.48   |         | 1476.1  |      |     |       |     |     |      |    |
|              | OBS   | 00651 | 03.90  | 34.680 | 27.56   |         | 1476.7  |      |     |       |     |     |      |    |
|              | STD   | 00700 | 03.81  | 34.71  | 27.60   | 00.624  | 1477.2  |      |     |       |     |     |      |    |
|              | OBS   | 00700 | 03.81  | 34.710 | 27.60   |         | 1477.2  |      |     |       |     |     |      |    |
|              | OBS   | 00750 | 03.76  | 34.740 | 27.63   |         | 1477.9  |      |     |       |     |     |      |    |
|              | STD   | 00800 | 03.71  | 34.73  | 27.62   | 00.680  | 1478.5  |      |     |       |     |     |      |    |
|              | OBS   | 00801 | 03.71  | 34.730 | 27.62   |         | 1478.5  |      |     |       |     |     |      |    |
|              | OBS   | 00810 | 03.72  | 34.730 | 27.62   |         | 1478.7  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00305 | AIR TEMP 01.0   | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0033    | MONTH 04  | SHIP EV     | WET BULB 00.4   | 28 4 3      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 14.8N   | DAY 13    | DATA USE 1  | BAROMETR 1018.3 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 28.7W | HOUR 22.3 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | CRIG 011 523      | 1 SQUARE 67 |

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|--------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.3         | OBS   | 00009 | - 1.46 | 32.390 | 26.07   |         | 1439.0  |      |     |       |     |     |      |    |
|              | STD   | 00010 | - 1.46 | 32.39  | 26.08   |         | 1439.0  |      |     |       |     |     |      |    |
|              | STD   | 00020 | - 1.45 | 32.45  | 26.13   |         | 1439.3  |      |     |       |     |     |      |    |
|              | OBS   | 00022 | - 1.45 | 32.470 | 26.14   |         | 1439.4  |      |     |       |     |     |      |    |
|              | STD   | 00030 | - 1.49 | 32.50  | 26.16   |         | 1439.4  |      |     |       |     |     |      |    |
|              | STD   | 00050 | - 1.67 | 32.57  | 26.23   |         | 1438.9  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 1.69 | 32.580 | 26.23   |         | 1438.9  |      |     |       |     |     |      |    |
|              | OBS   | 00055 | - 1.74 | 32.660 | 26.30   |         | 1438.8  |      |     |       |     |     |      |    |
|              | OBS   | 00068 | - 1.58 | 32.720 | 26.34   |         | 1439.9  |      |     |       |     |     |      |    |
|              | OBS   | 00074 | - 1.33 | 32.720 | 26.34   |         | 1441.2  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.33 | 32.72  | 26.34   |         | 1441.2  |      |     |       |     |     |      |    |
|              | OBS   | 00078 | - 1.31 | 32.730 | 26.35   |         | 1441.3  |      |     |       |     |     |      |    |
|              | STD   | 00100 | - 1.33 | 32.82  | 26.42   |         | 1441.7  |      |     |       |     |     |      |    |
|              | OBS   | 00102 | - 1.33 | 32.870 | 26.46   |         | 1441.8  |      |     |       |     |     |      |    |
|              | OBS   | 00106 | - 1.18 | 32.960 | 26.53   |         | 1442.7  |      |     |       |     |     |      |    |
|              | OBS   | 00112 | - 0.94 | 33.090 | 26.61   |         | 1446.0  |      |     |       |     |     |      |    |
|              | STD   | 00125 | - 0.08 | 33.20  | 26.68   |         | 1448.5  |      |     |       |     |     |      |    |
|              | OBS   | 00125 | - 0.06 | 33.200 | 26.68   |         | 1448.6  |      |     |       |     |     |      |    |
|              | STD   | 00150 | 00.32  | 33.30  | 26.74   |         | 1450.8  |      |     |       |     |     |      |    |
|              | OBS   | 00150 | 00.32  | 33.300 | 26.74   |         | 1450.9  |      |     |       |     |     |      |    |
|              | OBS   | 00177 | 00.36  | 33.320 | 26.75   |         | 1451.5  |      |     |       |     |     |      |    |
|              | STD   | 00200 | 00.64  | 33.49  | 26.86   |         | 1453.4  |      |     |       |     |     |      |    |
|              | OBS   | 00203 | 00.68  | 33.510 | 26.89   |         | 1453.7  |      |     |       |     |     |      |    |
|              | OBS   | 00226 | 00.92  | 33.600 | 26.95   |         | 1455.3  |      |     |       |     |     |      |    |
|              | STD   | 00250 | 01.08  | 33.70  | 27.02   |         | 1456.5  |      |     |       |     |     |      |    |
|              | OBS   | 00253 | 01.10  | 33.710 | 27.02   |         | 1456.7  |      |     |       |     |     |      |    |
|              | OBS   | 00277 | 01.23  | 33.760 | 27.06   |         | 1457.7  |      |     |       |     |     |      |    |
|              | STD   | 00300 | 01.73  | 33.90  | 27.14   |         | 1460.5  |      |     |       |     |     |      |    |
|              | OBS   | 00300 | 01.76  | 33.910 | 27.14   |         | 1460.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00194 | AIR TEMP 00.5   | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0034    | MONTH 04  | SHIP EV     | WET BULB -00.3  | 35 4 3      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 20.0N   | DAY 13    | DATA USE 1  | BAROMETR 1018.7 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 34.0W | HOOR 23.8 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X2  | ORIG 011 524      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 23.0        | STD   | 00000 | - 1.51 | 32.38  | 26.07   | 00.000  | 1438.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 1.51 | 32.380 | 26.07   |         | 1438.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.49 | 32.37  | 26.06   | 00.020  | 1438.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.49 | 32.376 | 26.06   |         | 1438.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.49 | 32.38  | 26.07   | 00.039  | 1439.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.49 | 32.380 | 26.07   |         | 1439.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.49 | 32.39  | 26.07   | 00.059  | 1439.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.49 | 32.390 | 26.08   |         | 1439.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.52 | 32.47  | 26.14   | 00.097  | 1439.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.52 | 32.480 | 26.15   |         | 1439.5  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | - 1.63 | 32.520 | 26.18   |         | 1439.1  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | - 1.75 | 32.517 | 26.18   |         | 1438.6  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | - 1.76 | 32.634 | 26.28   |         | 1438.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.70 | 32.65  | 26.29   | 00.142  | 1439.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.69 | 32.657 | 26.30   |         | 1439.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.61 | 32.73  | 26.35   | 00.185  | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.60 | 32.730 | 26.35   |         | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.42 | 32.87  | 26.46   | 00.225  | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.41 | 32.873 | 26.47   |         | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.77 | 33.02  | 26.56   | 00.263  | 1445.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.75 | 33.020 | 26.56   |         | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | - 0.22 | 33.120 | 26.62   |         | 1448.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | - 0.20 | 33.170 | 26.66   |         | 1448.7  |      |     |       |     |     |      |    |
|             | OBS   | 00186 | - 0.20 | 33.190 | 26.68   |         | 1448.9  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00124 | AIR TEMP 01.0   | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0035    | MONTH 04  | SHIP EV     | WET BULB 00.0   | 32 3 2      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 24.0N   | DAY 14    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 51.5W | HOOR 02.2 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X5  | ORIG 011 525      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 02.2        | STD   | 00000 | - 1.18 | 32.47  | 26.13   | 00.000  | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.18 | 32.476 | 26.13   |         | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.17 | 32.48  | 26.14   | 00.019  | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.17 | 32.480 | 26.14   |         | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.27 | 32.49  | 26.15   | 00.038  | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.17 | 32.490 | 26.15   |         | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.17 | 32.50  | 26.16   | 00.056  | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.17 | 32.500 | 26.16   |         | 1440.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.33 | 32.56  | 26.21   | 00.093  | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.33 | 32.560 | 26.21   |         | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.68 | 32.64  | 26.28   | 00.138  | 1439.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.70 | 32.643 | 26.28   |         | 1439.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.07 | 32.86  | 26.44   | 00.179  | 1443.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.06 | 32.860 | 26.44   |         | 1443.1  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | - 0.97 | 32.863 | 26.44   |         | 1443.8  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00109 | AIR TEMP 01.0   | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0036    | MONTH 04  | SHIP EV     | WET BULB 00.0   | 32 3 2      | WIND-SPD 20 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 29.0N   | DAY 14    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 048 05.0W | HOOR 04.0 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X2  | ORIG 011 526      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 04.0        | STD   | 00000 | - 1.08 | 32.37  | 26.05   | 00.000  | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 1.08 | 32.376 | 26.05   |         | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.07 | 32.38  | 26.06   | 00.020  | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | - 1.07 | 32.390 | 26.06   |         | 1440.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.06 | 32.40  | 26.07   | 00.039  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.06 | 32.400 | 26.07   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.18 | 32.43  | 26.10   | 00.059  | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.37 | 32.48  | 26.15   | 00.096  | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 1.39 | 32.490 | 26.15   |         | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00079 | - 1.44 | 32.52  | 26.18   | 00.143  | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.44 | 32.520 | 26.18   |         | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | - 1.48 | 32.530 | 26.19   |         | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | - 1.33 | 32.740 | 26.35   |         | 1441.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00098 | AIR TEMP -01.8  | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0037    | MONTH 04  | SHIP EV     | WET BULB -03.0  | 30 4 3      | WIND-SPD 20 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 33.2N   | DAY 14    | DATA USE 1  | BAROMETR 1019.6 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 20.0W | HOUR 05.9 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 527      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 05.5        | STD   | 00000 | - 1.06 | 32.33  | 26.02   | 00.000  | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 1.06 | 32.330 | 26.02   |         | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.06 | 32.31  | 26.00   | 00.020  | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.06 | 32.310 | 26.00   |         | 1440.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.06 | 32.31  | 26.00   | 00.040  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.04 | 32.317 | 26.00   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.04 | 32.38  | 26.05   | 00.060  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.04 | 32.380 | 26.06   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.05 | 32.38  | 26.06   | 00.099  | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.06 | 32.390 | 26.06   |         | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 1.43 | 32.610 | 26.25   |         | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.43 | 32.62  | 26.26   | 00.146  | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.43 | 32.617 | 26.26   |         | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | - 1.43 | 32.626 | 26.26   |         | 1440.8  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00091 | AIR TEMP -01.0  | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0038    | MONTH 04  | SHIP EV     | WET BULB -02.7  | 30 4 3      | WIND-SPD 14 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 40.0N   | DAY 14    | DATA USE 1  | BAROMETR 1021.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 68 |
| LONG 048 33.1W | HOUR 08.1 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 528      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.1        | STD   | 00000 | - 1.06 | 32.30  | 26.00   | 00.000  | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 1.06 | 32.305 | 26.00   |         | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.07 | 32.31  | 26.00   | 00.020  | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.07 | 32.310 | 26.00   |         | 1440.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.06 | 32.32  | 26.00   | 00.040  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.06 | 32.320 | 26.01   |         | 1441.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.06 | 32.38  | 26.05   | 00.060  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.06 | 32.380 | 26.06   |         | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | - 1.09 | 32.388 | 26.06   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.17 | 32.39  | 26.06   | 00.099  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.33 | 32.386 | 26.07   |         | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 1.43 | 32.457 | 26.13   |         | 1440.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.43 | 32.49  | 26.16   | 00.147  | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | - 1.43 | 32.500 | 26.16   |         | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | - 1.43 | 32.494 | 26.16   |         | 1440.6  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00079 | AIR TEMP -01.0  | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0039    | MONTH 04  | SHIP EV     | WET BULB -02.7  | 30 4 3      | WIND-SPD 14 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 44.1N   | DAY 14    | DATA USE 1  | BAROMETR 1021.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 41.5W | HOUR 09.8 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 529      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 09.8        | STD   | 00000 | - 1.09 | 32.31  | 26.00   | 00.000  | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 1.09 | 32.310 | 26.00   |         | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.09 | 32.32  | 26.01   | 00.020  | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.09 | 32.320 | 26.01   |         | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | - 1.09 | 32.320 | 26.01   |         | 1440.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.09 | 32.32  | 26.01   | 00.040  | 1440.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.08 | 32.32  | 26.01   | 00.060  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 1.08 | 32.320 | 26.01   |         | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | - 1.01 | 32.390 | 26.06   |         | 1441.8  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00080 | AIR TEMP 00.1   | DIR HGT PER | WIND-DIR 32 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0040    | MONTH 04  | SHIP EV     | WET BULB -02.2  | 29 4 3      | WIND-SPD 20 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 47 02.2N   | DAY 14    | DATA USE 1  | BAROMETR 1021.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 049 07.0W | HOUR 13.4 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 530      | 1 SQUARE 79 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 13.4        | STD   | 00000 | - 1.17 | 32.99  | 26.35   | 00.000  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 1.17 | 32.990 | 26.35   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.17 | 32.97  | 26.34   | 00.015  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.17 | 32.970 | 26.34   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.20 | 32.99  | 26.35   | 00.030  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | - 1.20 | 32.990 | 26.35   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.20 | 32.99  | 26.35   | 00.045  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.20 | 32.985 | 26.35   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.22 | 32.98  | 26.35   | 00.075  | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.23 | 32.980 | 26.35   |         | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.46 | 32.99  | 26.34   | 00.112  | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.48 | 32.992 | 26.34   |         | 1440.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

REFID 31 8370 YEAR 1974 BOTOP 00093 AIR TEMP -00.8 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1306  
 CONSEC 0041 MONTH 04 SHIP EV 01 3 3 WIND-SPD 13 TRACE DIR 0 5 SQUARE 4  
 LAT 47 01.5N DAY 14 DATA USE 1 BAROMETR 1020.9 SEA 00 0 X WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 51.5W HOUR 14.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 531 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 14.6        | STD   | 00000 | -1.17 | 32.97  | 26.54   | 00.000  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | -1.17 | 32.976 | 26.54   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | -1.19 | 32.97  | 26.54   | 00.015  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | -1.19 | 32.970 | 26.54   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | -1.19 | 32.97  | 26.54   | 00.030  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | -1.19 | 32.970 | 26.54   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | -1.20 | 32.97  | 26.54   | 00.045  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | -1.20 | 32.970 | 26.54   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | -1.20 | 32.97  | 26.54   | 00.075  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | -1.20 | 32.970 | 26.54   |         | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | -1.24 | 32.97  | 26.54   | 00.113  | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | -1.28 | 32.980 | 26.55   |         | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | -1.47 | 33.080 | 26.63   |         | 1441.2  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTOP 00108 AIR TEMP -00.6 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306  
 CONSEC 0042 MONTH 04 SHIP EV 01 0 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00.0N DAY 14 DATA USE 1 BAROMETR 1020.3 SEA 00 0 X WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 32.0W HOUR 15.9 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 532 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.5        | STD   | 00000 | -1.17 | 32.97  | 26.54   | 00.000  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | -1.17 | 32.975 | 26.54   |         | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | -1.17 | 32.970 | 26.54   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | -1.19 | 33.00  | 26.54   | 00.015  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | -1.19 | 33.000 | 26.54   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | -1.19 | 32.97  | 26.54   | 00.030  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | -1.19 | 32.970 | 26.54   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | -1.21 | 32.98  | 26.54   | 00.045  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | -1.21 | 32.980 | 26.55   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | -1.21 | 32.97  | 26.54   | 00.075  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | -1.21 | 32.973 | 26.54   |         | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | -1.51 | 33.12  | 26.64   | 00.111  | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | -1.51 | 33.120 | 26.67   |         | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | -1.52 | 33.140 | 26.68   |         | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | -1.48 | 33.193 | 26.73   |         | 1441.5  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTOP 00113 AIR TEMP -00.2 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306  
 CONSEC 0043 MONTH 04 SHIP EV 00 0 X WIND-SPD 15 TRACE DIR 0 5 SQUARE 4  
 LAT 47 01.0N DAY 14 DATA USE 1 BAROMETR 1019.8 SEA 00 0 X WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 20.0W HOUR 17.1 AREA 05 CLOUD T/A CL/TR WEATHER X2 ORIG 011 533 20 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 17.1        | STD   | 00000 | -1.17 | 33.08  | 26.62   | 00.000  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | -1.17 | 33.080 | 26.62   |         | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | -1.18 | 33.070 | 26.62   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | -1.21 | 33.07  | 26.62   | 00.014  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | -1.21 | 33.075 | 26.62   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | -1.19 | 33.07  | 26.62   | 00.028  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | -1.19 | 33.075 | 26.62   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | -1.21 | 33.08  | 26.63   | 00.043  | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | -1.21 | 33.080 | 26.63   |         | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | -1.23 | 33.08  | 26.63   | 00.071  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | -1.23 | 33.080 | 26.63   |         | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | -1.32 | 33.08  | 26.63   | 00.107  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | -1.33 | 33.086 | 26.63   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | -1.53 | 33.110 | 26.64   |         | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00100 | -1.48 | 33.10  | 26.72   | 00.141  | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | -1.48 | 33.193 | 26.73   |         | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | -1.49 | 33.290 | 26.80   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | -1.48 | 33.290 | 26.80   |         | 1441.8  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTOP 00145 AIR TEMP 00.0 DIR HGT PER WIND-DIR 30 INST STD RECORDER TEN SQ 1306  
 CONSEC 0044 MONTH 04 SHIP EV 00 0 X WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 47 01.5N DAY 14 DATA USE 1 BAROMETR 1019.8 SEA 00 0 X WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 03.0W HOUR 18.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 534 21 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 18.6        | STD   | 00000 | -1.15 | 32.98  | 26.54   | 00.000  | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | -1.15 | 32.980 | 26.54   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | -1.15 | 32.98  | 26.54   | 00.015  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | -1.15 | 32.980 | 26.54   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | -1.17 | 32.98  | 26.54   | 00.030  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | -1.17 | 32.980 | 26.54   |         | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | -1.19 | 32.98  | 26.54   | 00.045  | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | -1.19 | 32.980 | 26.54   |         | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | -1.19 | 32.98  | 26.55   | 00.075  | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | -1.21 | 32.983 | 26.55   |         | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | -1.49 | 33.10  | 26.65   | 00.111  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | -1.50 | 33.103 | 26.65   |         | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | -1.64 | 33.183 | 26.72   |         | 1440.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | -1.63 | 33.19  | 26.73   | 00.145  | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | -1.60 | 33.190 | 26.73   |         | 1441.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | -0.95 | 33.47  | 26.93   | 00.175  | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | -0.94 | 33.470 | 26.93   |         | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | -0.93 | 33.472 | 26.93   |         | 1445.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00165 | AIR TEMP -02.0  | DIR MGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0049    | MONTH 04  | SHIP EV     | NET BULB -02.7  | 00 0 X      | WIND-SPD 07 | TRACE DIR         | 5 SQUARE 4  |
| LAT 46 57.8N   | DAY 14    | DATA USE 1  | BAROMETR 1019.9 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 50.0W | HOUR 20.1 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X1  | CRIG 011 535 15   | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | XYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|-----|-----|-------|-----|-----|------|----|
| 20.1        | STD   | 00000 | - 1.14 | 33.10  | 26.64   | 00.000  | 1441.4  |     |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.14 | 33.105 | 26.64   |         | 1441.4  |     |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.16 | 33.10  | 26.64   | 00.014  | 1441.4  |     |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.16 | 33.105 | 26.64   |         | 1441.4  |     |     |       |     |     |      |    |
|             | STD   | 00020 | 01.18  | 33.11  | 26.54   | 00.029  | 1452.4  |     |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.18  | 33.110 | 26.54   |         | 1452.4  |     |     |       |     |     |      |    |
|             | STD   | 00030 | 01.20  | 33.11  | 26.54   | 00.044  | 1452.6  |     |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.20  | 33.110 | 26.54   |         | 1452.6  |     |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.24 | 33.12  | 26.66   | 00.073  | 1441.7  |     |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.24 | 33.120 | 26.66   |         | 1441.7  |     |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.57 | 33.18  | 26.72   | 00.106  | 1440.7  |     |     |       |     |     |      |    |
|             | OBS   | 00075 | - 1.57 | 33.185 | 26.72   |         | 1440.7  |     |     |       |     |     |      |    |
|             | OBS   | 00097 | - 1.69 | 33.190 | 26.73   |         | 1440.5  |     |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.69 | 33.19  | 26.73   | 00.140  | 1440.6  |     |     |       |     |     |      |    |
|             | OBS   | 00104 | - 1.67 | 33.200 | 26.74   |         | 1440.7  |     |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.39 | 33.40  | 26.94   | 00.170  | 1442.8  |     |     |       |     |     |      |    |
|             | OBS   | 00127 | - 1.32 | 33.400 | 26.95   |         | 1443.2  |     |     |       |     |     |      |    |
|             | OBS   | 00140 | - 0.83 | 33.540 | 26.95   |         | 1445.8  |     |     |       |     |     |      |    |
|             | OBS   | 00144 | - 0.53 | 33.620 | 27.04   |         | 1447.4  |     |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.51 | 33.62  | 27.04   | 00.197  | 1447.5  |     |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.51 | 33.620 | 27.04   |         | 1447.5  |     |     |       |     |     |      |    |
|             | OBS   | 00161 | - 0.49 | 33.620 | 27.04   |         | 1447.8  |     |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00216 | AIR TEMP -01.0  | DIR MGT PER | WIND-DIR 34 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0046    | MONTH 04  | SHIP EV     | NET BULB -01.2  | 00 0 X      | WIND-SPD 10 | TRACE DIR         | 5 SQUARE 4  |
| LAT 46 59.2N   | DAY 14    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 32.0W | HOUR 21.7 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X0  | CRIG 011 536 20   | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | XYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|-----|-----|-------|-----|-----|------|----|
| 21.7        | STD   | 00000 | - 1.47 | 33.11  | 26.66   | 00.000  | 1439.8  |     |     |       |     |     |      |    |
|             | OBS   | 00001 | - 1.47 | 33.108 | 26.66   |         | 1439.8  |     |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.46 | 33.11  | 26.66   | 00.014  | 1440.0  |     |     |       |     |     |      |    |
|             | OBS   | 00013 | - 1.46 | 33.107 | 26.65   |         | 1440.1  |     |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.47 | 33.11  | 26.66   | 00.028  | 1440.2  |     |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.47 | 33.110 | 26.66   |         | 1440.2  |     |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.47 | 33.11  | 26.66   | 00.042  | 1440.3  |     |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.47 | 33.110 | 26.66   |         | 1440.3  |     |     |       |     |     |      |    |
|             | OBS   | 00034 | - 1.48 | 33.100 | 26.65   |         | 1440.3  |     |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.49 | 33.11  | 26.66   | 00.070  | 1440.6  |     |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.49 | 33.110 | 26.66   |         | 1440.6  |     |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.61 | 33.12  | 26.67   | 00.104  | 1440.4  |     |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.62 | 33.120 | 26.67   |         | 1440.4  |     |     |       |     |     |      |    |
|             | OBS   | 00095 | - 1.73 | 33.170 | 26.71   |         | 1440.2  |     |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.73 | 33.19  | 26.73   | 00.138  | 1440.3  |     |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.73 | 33.190 | 26.73   |         | 1440.4  |     |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.43 | 33.34  | 26.84   | 00.169  | 1442.4  |     |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.42 | 33.340 | 26.84   |         | 1442.5  |     |     |       |     |     |      |    |
|             | STD   | 00150 | - 1.12 | 33.45  | 26.93   | 00.199  | 1444.4  |     |     |       |     |     |      |    |
|             | OBS   | 00152 | - 1.07 | 33.470 | 26.94   |         | 1444.7  |     |     |       |     |     |      |    |
|             | OBS   | 00175 | - 0.42 | 33.660 | 27.07   |         | 1448.4  |     |     |       |     |     |      |    |
|             | STD   | 00200 | - 0.34 | 33.66  | 27.07   | 00.252  | 1449.2  |     |     |       |     |     |      |    |
|             | OBS   | 00201 | - 0.34 | 33.665 | 27.07   |         | 1449.2  |     |     |       |     |     |      |    |
|             | OBS   | 00211 | - 0.35 | 33.660 | 27.06   |         | 1449.3  |     |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00400 | AIR TEMP -01.3  | DIR MGT PER | WIND-DIR 10 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0046    | MONTH 04  | SHIP EV     | NET BULB -02.0  | 00 0 X      | WIND-SPD 10 | TRACE DIR         | 5 SQUARE 4  |
| LAT 46 58.8N   | DAY 14    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.8     | 2 SQUARE 66 |
| LONG 047 20.0W | HOUR 23.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X0  | CRIG 011 537      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | XYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|-----|-----|-------|-----|-----|------|----|
| 23.2        | STD   | 00000 | - 1.44 | 33.12  | 26.66   | 00.000  | 1440.0  |     |     |       |     |     |      |    |
|             | OBS   | 00001 | - 1.44 | 33.117 | 26.66   |         | 1440.0  |     |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.44 | 33.12  | 26.66   | 00.014  | 1440.1  |     |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.44 | 33.120 | 26.66   |         | 1440.2  |     |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.44 | 33.13  | 26.67   | 00.028  | 1440.2  |     |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.44 | 33.130 | 26.67   |         | 1440.2  |     |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.44 | 33.13  | 26.67   | 00.041  | 1440.4  |     |     |       |     |     |      |    |
|             | OBS   | 00032 | - 1.44 | 33.130 | 26.67   |         | 1440.4  |     |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.72 | 33.19  | 26.73   | 00.068  | 1439.6  |     |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.73 | 33.190 | 26.73   |         | 1439.6  |     |     |       |     |     |      |    |
|             | OBS   | 00057 | - 1.75 | 33.200 | 26.74   |         | 1439.6  |     |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.58 | 33.31  | 26.82   | 00.100  | 1440.8  |     |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.57 | 33.310 | 26.82   |         | 1440.9  |     |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.57 | 33.32  | 26.83   | 00.131  | 1441.3  |     |     |       |     |     |      |    |
|             | OBS   | 00102 | - 1.57 | 33.330 | 26.84   |         | 1441.4  |     |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.45 | 33.34  | 27.00   | 00.160  | 1442.7  |     |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.41 | 33.340 | 27.00   |         | 1442.8  |     |     |       |     |     |      |    |
|             | OBS   | 00144 | - 0.51 | 33.470 | 27.08   |         | 1447.5  |     |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.45 | 33.49  | 27.09   | 00.185  | 1447.9  |     |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.44 | 33.490 | 27.09   |         | 1447.9  |     |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.22  | 33.820 | 27.16   |         | 1451.5  |     |     |       |     |     |      |    |
|             | STD   | 00200 | 00.35  | 33.85  | 27.19   | 00.232  | 1452.6  |     |     |       |     |     |      |    |
|             | OBS   | 00203 | 00.38  | 33.870 | 27.20   |         | 1452.8  |     |     |       |     |     |      |    |
|             | OBS   | 00226 | 00.67  | 34.020 | 27.30   |         | 1454.7  |     |     |       |     |     |      |    |
|             | STD   | 00250 | 00.88  | 34.11  | 27.36   | 00.272  | 1456.2  |     |     |       |     |     |      |    |
|             | OBS   | 00251 | 00.89  | 34.110 | 27.36   |         | 1456.2  |     |     |       |     |     |      |    |
|             | OBS   | 00276 | 01.06  | 34.145 | 27.37   |         | 1457.5  |     |     |       |     |     |      |    |
|             | STD   | 00300 | 01.20  | 34.21  | 27.42   | 00.308  | 1458.6  |     |     |       |     |     |      |    |
|             | OBS   | 00300 | 01.21  | 34.210 | 27.42   |         | 1458.6  |     |     |       |     |     |      |    |
|             | OBS   | 00350 | 01.60  | 34.350 | 27.50   |         | 1461.4  |     |     |       |     |     |      |    |
|             | OBS   | 00394 | 02.32  | 34.500 | 27.57   |         | 1465.5  |     |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |      |           |             |                 |             |             |                   |             |
|----------------|------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31       | 8370 | YEAR 1974 | BOTDP 01104 | AIR TEMP -02.0  | DIR MGT PER | WIND-DIR 32 | INST STD RECORDER | TEA SQ 1306 |
| CONSEC 0048    |      | MONTH 04  | SHIP EV     | WET BULB -02.7  | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.0N   |      | DAY 13    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 047 05.0W |      | HOOR 00.8 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X0  | DRIG 011 538      | 1 SQUARE 77 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DVNDPTH | SND VEL | ORYG | PO4 | TGT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 00.8        | STD   | 00000 | - 1.14 | 33.18  | 26.70   | 00.000  | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 1.14 | 33.18U | 26.70   |         | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.14 | 33.18  | 26.70   | 00.013  | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 1.14 | 33.180 | 26.70   |         | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | - 1.24 | 33.180 | 26.71   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.24 | 33.18  | 26.71   | 00.027  | 1441.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.24 | 33.18  | 26.72   | 00.040  | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.26 | 33.190 | 26.72   |         | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.26 | 33.190 | 26.72   |         | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | - 1.30 | 33.28  | 26.79   | 00.064  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.30 | 33.296 | 26.81   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | - 1.35 | 33.445 | 26.93   |         | 1441.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.32 | 33.49  | 26.96   | 00.096  | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.25 | 33.525 | 26.99   |         | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 0.85 | 33.670 | 27.09   |         | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | - 0.81 | 33.780 | 27.18   |         | 1445.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.12 | 34.00  | 27.33   | 00.119  | 1449.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 0.12 | 34.010 | 27.33   |         | 1449.5  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 00.25  | 34.010 | 27.32   |         | 1450.8  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | 00.65  | 34.130 | 27.39   |         | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | 00.92  | 34.150 | 27.39   |         | 1454.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.10  | 34.23  | 27.43   | 00.136  | 1455.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.19  | 34.230 | 27.44   |         | 1455.7  |      |     |       |     |     |      |    |
|             | OBS   | 00139 | 01.23  | 34.220 | 27.43   |         | 1456.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.31  | 34.35  | 27.52   | 00.152  | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 01.32  | 34.350 | 27.52   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 01.89  | 34.450 | 27.56   |         | 1459.9  |      |     |       |     |     |      |    |
|             | OBS   | 00188 | 01.99  | 34.476 | 27.57   |         | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00194 | 01.76  | 34.470 | 27.59   |         | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 01.83  | 34.49  | 27.59   | 00.179  | 1460.1  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 01.85  | 34.490 | 27.60   |         | 1460.2  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 01.91  | 34.560 | 27.65   |         | 1461.0  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.15  | 34.570 | 27.64   |         | 1462.1  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.25  | 34.57  | 27.63   | 00.204  | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 02.26  | 34.575 | 27.63   |         | 1463.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.53  | 34.63  | 27.66   | 00.228  | 1468.0  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 03.00  | 34.724 | 27.68   |         | 1471.8  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.67  | 34.83  | 27.71   | 00.272  | 1471.9  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.68  | 34.835 | 27.71   |         | 1471.9  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.53  | 34.840 | 27.69   |         | 1473.8  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.53  | 34.90  | 27.74   | 00.315  | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 03.93  | 34.900 | 27.74   |         | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00530 | 03.97  | 34.910 | 27.74   |         | 1475.7  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.95  | 34.91  | 27.74   | 00.357  | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.95  | 34.910 | 27.74   |         | 1476.5  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.86  | 34.910 | 27.75   |         | 1476.9  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.83  | 34.91  | 27.75   | 00.399  | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00721 | 03.81  | 34.910 | 27.76   |         | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.77  | 34.910 | 27.76   |         | 1478.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.72  | 34.91  | 27.76   | 00.441  | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00803 | 03.72  | 34.905 | 27.76   |         | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.68  | 34.900 | 27.76   |         | 1479.4  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.63  | 34.90  | 27.77   | 00.483  | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.63  | 34.900 | 27.77   |         | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00928 | 03.61  | 34.900 | 27.77   |         | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.61  | 34.90  | 27.77   | 00.525  | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 03.61  | 34.900 | 27.77   |         | 1481.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 01106 | AIR TEMP -02.0  | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0048    | MONTH 04  | SHIP EV     | NET BULB -03.0  | 31 1 4      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 59.1N   | DAY 13    | DATA USE 1  | BAROMETR 1019.8 | SEA         | WIND-FOR    | DURATION 00.6     | 2 SQUARE 66 |
| LONG 046 49.5W | HOOR 03.5 | AREA 05     | CLCUD T/A       | CL/TX       | WEATHER X0  | ORIG 011 539      | 1 SQUARE 66 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 03.5        | STD   | 00000 | - 0.62 | 33.21  | 26.71   | 00.000  | 1443.9  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.62 | 33.210 | 26.71   |         | 1443.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.60 | 33.21  | 26.71   | 00.013  | 1444.2  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | - 0.60 | 33.210 | 26.71   |         | 1444.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.62 | 33.21  | 26.71   | 00.027  | 1444.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.62 | 33.210 | 26.71   |         | 1444.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.62 | 33.22  | 26.72   | 00.040  | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.62 | 33.220 | 26.72   |         | 1444.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.50  | 33.74  | 27.08   | 00.063  | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 00.50  | 33.740 | 27.08   |         | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 00.55  | 33.820 | 27.15   |         | 1451.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.63  | 34.08  | 27.28   | 00.086  | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 01.63  | 34.080 | 27.28   |         | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00096 | 02.64  | 34.220 | 27.32   |         | 1461.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.94  | 34.21  | 27.37   | 00.105  | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | 01.04  | 34.210 | 27.43   |         | 1454.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.35  | 34.29  | 27.47   | 00.122  | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.35  | 34.296 | 27.47   |         | 1456.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.80  | 34.39  | 27.52   | 00.137  | 1459.0  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 01.80  | 34.390 | 27.52   |         | 1459.0  |      |     |       |     |     |      |    |
|             | OBS   | 00163 | 01.98  | 34.480 | 27.58   |         | 1460.1  |      |     |       |     |     |      |    |
|             | OBS   | 00182 | 01.81  | 34.480 | 27.59   |         | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.12  | 34.53  | 27.61   | 00.164  | 1461.4  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 02.12  | 34.530 | 27.61   |         | 1461.4  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.27  | 34.72  | 27.66   | 00.188  | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 03.27  | 34.720 | 27.66   |         | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 03.22  | 34.710 | 27.65   |         | 1467.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 03.55  | 34.76  | 27.66   | 00.211  | 1469.6  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 03.55  | 34.764 | 27.66   |         | 1469.6  |      |     |       |     |     |      |    |
|             | OBS   | 00340 | 03.85  | 34.820 | 27.68   |         | 1471.6  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.02  | 34.85  | 27.69   | 00.257  | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 04.02  | 34.850 | 27.69   |         | 1473.3  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.01  | 34.86  | 27.70   | 00.303  | 1475.0  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.01  | 34.860 | 27.70   |         | 1475.0  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.92  | 34.87  | 27.71   | 00.348  | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 03.92  | 34.870 | 27.71   |         | 1476.2  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.81  | 34.86  | 27.72   | 00.393  | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.81  | 34.860 | 27.72   |         | 1477.4  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.72  | 34.85  | 27.72   | 00.439  | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 03.72  | 34.850 | 27.72   |         | 1478.7  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.63  | 34.84  | 27.72   | 00.485  | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.63  | 34.840 | 27.72   |         | 1480.0  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.54  | 34.84  | 27.73   | 00.531  | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 03.54  | 34.840 | 27.73   |         | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 03.55  | 34.850 | 27.73   |         | 1481.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8370  | YEAR 1974 | SOTOP 00365 | AIR TEMP -01.5  | DIR HGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1304 |      |     |       |     |     |      |    |
| CONSEC 0050    | MONTH 04  | SHIP EV     | NET BULB -02.5  | 31 1 4      | WIND-SPD 08 | TRACE DIR         | 5 SQUARE 4  |      |     |       |     |     |      |    |
| LAT 46 58.5N   | DAY 15    | DATA USE 1  | BAROMETR 1019.8 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |      |     |       |     |     |      |    |
| LONG 044 30.0W | HOUR 05.6 | AREA 05     | CLCUD T/A       | CL/TB       | WEATHER X0  | ORIG 011 540      | 1 SQUARE 66 |      |     |       |     |     |      |    |
| CASSTIME/TIME  | LVL TYP   | DEPTH       | TEMP            | SAL         | SIGMA-T     | DYN DPTH          | SND VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 05.6           | STD       | 00000       | - 0.78          | 32.98       | 26.53       | 00.000            | 1442.6      |      |     |       |     |     |      |    |
|                | OBS       | 00005       | - 0.78          | 32.980      | 26.53       |                   | 1443.0      |      |     |       |     |     |      |    |
|                | STD       | 00010       | - 0.76          | 32.98       | 26.53       | 00.015            | 1443.1      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | - 0.76          | 32.980      | 26.53       |                   | 1443.2      |      |     |       |     |     |      |    |
|                | STD       | 00020       | - 0.80          | 32.98       | 26.54       | 00.030            | 1443.1      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | - 0.80          | 32.990      | 26.54       |                   | 1443.1      |      |     |       |     |     |      |    |
|                | STD       | 00030       | - 0.78          | 33.10       | 26.63       | 00.045            | 1443.5      |      |     |       |     |     |      |    |
|                | OBS       | 00030       | - 0.78          | 33.110      | 26.64       |                   | 1443.6      |      |     |       |     |     |      |    |
|                | STD       | 00030       | - 0.78          | 33.110      | 26.64       |                   | 1443.2      |      |     |       |     |     |      |    |
|                | OBS       | 00030       | - 0.78          | 33.110      | 26.64       |                   | 1443.7      |      |     |       |     |     |      |    |
|                | STD       | 00032       | - 0.60          | 33.600      | 27.09       |                   | 1445.2      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | - 0.60          | 33.600      | 27.09       |                   | 1445.7      |      |     |       |     |     |      |    |
|                | STD       | 00038       | 00.13           | 33.715      | 27.12       |                   | 1450.5      |      |     |       |     |     |      |    |
|                | OBS       | 00038       | 00.13           | 33.715      | 27.12       |                   | 1450.5      |      |     |       |     |     |      |    |
|                | STD       | 00041       | 00.45           | 33.78       | 27.12       | 00.069            | 1450.5      |      |     |       |     |     |      |    |
|                | OBS       | 00041       | 00.45           | 33.78       | 27.12       |                   | 1450.5      |      |     |       |     |     |      |    |
|                | STD       | 00053       | 00.44           | 33.790      | 27.13       |                   | 1450.6      |      |     |       |     |     |      |    |
|                | OBS       | 00053       | 00.44           | 33.790      | 27.13       |                   | 1450.6      |      |     |       |     |     |      |    |
|                | STD       | 00057       | 00.44           | 33.877      | 27.16       |                   | 1453.9      |      |     |       |     |     |      |    |
|                | OBS       | 00057       | 00.44           | 33.877      | 27.16       |                   | 1453.9      |      |     |       |     |     |      |    |
|                | STD       | 00064       | 01.11           | 34.12       | 27.17       | 00.092            | 1464.4      |      |     |       |     |     |      |    |
|                | OBS       | 00064       | 01.11           | 34.12       | 27.17       |                   | 1464.4      |      |     |       |     |     |      |    |
|                | STD       | 00075       | 03.60           | 34.150      | 27.19       |                   | 1464.3      |      |     |       |     |     |      |    |
|                | OBS       | 00075       | 03.60           | 34.150      | 27.19       |                   | 1464.3      |      |     |       |     |     |      |    |
|                | STD       | 00074       | 03.60           | 34.130      | 27.18       |                   | 1459.8      |      |     |       |     |     |      |    |
|                | OBS       | 00074       | 03.60           | 34.130      | 27.18       |                   | 1459.8      |      |     |       |     |     |      |    |
|                | STD       | 00078       | 02.34           | 34.015      | 27.18       |                   | 1460.1      |      |     |       |     |     |      |    |
|                | OBS       | 00078       | 02.34           | 34.015      | 27.18       |                   | 1460.1      |      |     |       |     |     |      |    |
|                | STD       | 00087       | 02.34           | 34.020      | 27.18       |                   | 1457.9      |      |     |       |     |     |      |    |
|                | OBS       | 00087       | 02.34           | 34.020      | 27.18       | 00.114            | 1457.9      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 01.85           | 34.01       | 27.21       |                   | 1457.5      |      |     |       |     |     |      |    |
|                | OBS       | 00100       | 01.85           | 34.01       | 27.21       |                   | 1457.5      |      |     |       |     |     |      |    |
|                | STD       | 00106       | 01.75           | 34.010      | 27.22       |                   | 1454.8      |      |     |       |     |     |      |    |
|                | OBS       | 00106       | 01.75           | 34.010      | 27.22       |                   | 1454.8      |      |     |       |     |     |      |    |
|                | STD       | 00106       | 01.14           | 34.013      | 27.27       |                   | 1455.4      |      |     |       |     |     |      |    |
|                | OBS       | 00106       | 01.14           | 34.013      | 27.27       |                   | 1455.4      |      |     |       |     |     |      |    |
|                | STD       | 00112       | 01.21           | 34.150      | 27.37       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00112       | 01.21           | 34.150      | 27.37       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | STD       | 00116       | 01.37           | 34.210      | 27.39       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00116       | 01.37           | 34.210      | 27.39       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | STD       | 00121       | 01.34           | 34.260      | 27.44       |                   | 1461.7      |      |     |       |     |     |      |    |
|                | OBS       | 00121       | 01.34           | 34.260      | 27.44       |                   | 1461.7      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 02.52           | 34.350      | 27.43       | 00.133            | 1464.4      |      |     |       |     |     |      |    |
|                | OBS       | 00125       | 02.52           | 34.350      | 27.43       |                   | 1464.4      |      |     |       |     |     |      |    |
|                | STD       | 00131       | 03.13           | 34.42       | 27.44       |                   | 1467.8      |      |     |       |     |     |      |    |
|                | OBS       | 00131       | 03.13           | 34.42       | 27.44       |                   | 1467.8      |      |     |       |     |     |      |    |
|                | STD       | 00139       | 03.87           | 34.510      | 27.43       |                   | 1468.3      |      |     |       |     |     |      |    |
|                | OBS       | 00139       | 03.87           | 34.510      | 27.43       |                   | 1468.3      |      |     |       |     |     |      |    |
|                | STD       | 00146       | 03.95           | 34.500      | 27.45       |                   | 1467.5      |      |     |       |     |     |      |    |
|                | OBS       | 00146       | 03.95           | 34.500      | 27.45       |                   | 1467.5      |      |     |       |     |     |      |    |
|                | STD       | 00148       | 03.63           | 34.540      | 27.47       |                   | 1468.1      |      |     |       |     |     |      |    |
|                | OBS       | 00148       | 03.63           | 34.540      | 27.47       | 00.150            | 1468.1      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 03.71           | 34.55       | 27.47       |                   | 1469.0      |      |     |       |     |     |      |    |
|                | OBS       | 00150       | 03.71           | 34.55       | 27.47       |                   | 1469.0      |      |     |       |     |     |      |    |
|                | STD       | 00152       | 03.85           | 34.55       | 27.47       |                   | 1470.4      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | 03.85           | 34.55       | 27.47       |                   | 1470.4      |      |     |       |     |     |      |    |
|                | STD       | 00167       | 04.04           | 34.570      | 27.49       |                   | 1468.7      |      |     |       |     |     |      |    |
|                | OBS       | 00167       | 04.04           | 34.570      | 27.49       |                   | 1468.7      |      |     |       |     |     |      |    |
|                | STD       | 00171       | 04.30           | 34.440      | 27.48       |                   | 1468.2      |      |     |       |     |     |      |    |
|                | OBS       | 00171       | 04.30           | 34.440      | 27.48       |                   | 1468.2      |      |     |       |     |     |      |    |
|                | STD       | 00175       | 03.90           | 34.570      | 27.48       |                   | 1466.6      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | 03.90           | 34.570      | 27.48       |                   | 1466.6      |      |     |       |     |     |      |    |
|                | STD       | 00179       | 03.77           | 34.565      | 27.52       |                   | 1466.0      |      |     |       |     |     |      |    |
|                | OBS       | 00179       | 03.77           | 34.565      | 27.52       |                   | 1466.0      |      |     |       |     |     |      |    |
|                | STD       | 00184       | 03.38           | 34.570      | 27.54       |                   | 1471.0      |      |     |       |     |     |      |    |
|                | OBS       | 00184       | 03.38           | 34.570      | 27.54       | 00.179            | 1471.0      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 03.23           | 34.77       | 27.60       |                   | 1471.4      |      |     |       |     |     |      |    |
|                | OBS       | 00200       | 03.23           | 34.77       | 27.60       |                   | 1471.4      |      |     |       |     |     |      |    |
|                | STD       | 00201       | 04.18           | 34.790      | 27.62       |                   | 1472.4      |      |     |       |     |     |      |    |
|                | OBS       | 00201       | 04.18           | 34.790      | 27.62       | 00.204            | 1472.4      |      |     |       |     |     |      |    |
|                | STD       | 00226       | 04.36           | 34.830      | 27.62       |                   | 1473.0      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 04.36           | 34.830      | 27.62       |                   | 1473.0      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 04.54           | 34.84       | 27.62       |                   | 1473.0      |      |     |       |     |     |      |    |
|                | OBS       | 00250       | 04.54           | 34.84       | 27.62       |                   | 1473.0      |      |     |       |     |     |      |    |
|                | STD       | 00251       | 04.34           | 34.840      | 27.67       |                   | 1473.7      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 04.34           | 34.840      | 27.67       | 00.229            | 1473.7      |      |     |       |     |     |      |    |
|                | STD       | 00277       | 04.58           | 34.910      | 27.67       |                   | 1474.1      |      |     |       |     |     |      |    |
|                | OBS       | 00277       | 04.58           | 34.910      | 27.67       |                   | 1474.1      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 04.38           | 34.900      | 27.71       |                   | 1473.5      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 04.38           | 34.900      | 27.71       |                   | 1473.5      |      |     |       |     |     |      |    |
|                | STD       | 00302       | 04.24           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | OBS       | 00302       | 04.24           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | STD       | 00350       | 04.22           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 04.22           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | STD       | 00365       | 04.22           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | OBS       | 00365       | 04.22           | 34.910      | 27.71       |                   | 1473.6      |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 00305 | AIR TEMP 00.0    | DIR HGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0051    | MONTH 04  | SHIP EV     | WET BULB -01.8   | 30 1 4      | WIND-SPD 08 | TRACE DIR         | 5 SQUARE 4  |
| LAT 47 00.0N   | DAY 15    | DATA USE 1  | BAROMETER 1019.8 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 046 16.0W | HOUR 07.3 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X1  | ORIG 011 541      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.3        | STD   | 00000 | - 0.37 | 32.99  | 26.52   | 00.000  | 1444.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 0.37 | 32.990 | 26.52   |         | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | - 0.37 | 32.980 | 26.52   |         | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.37 | 32.98  | 26.52   | 00.015  | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.35 | 32.990 | 26.52   |         | 1445.1  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | - 0.26 | 33.11u | 26.62   |         | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 00.04  | 33.40u | 26.84   |         | 1447.5  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 00.57  | 33.800 | 26.97   |         | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.65  | 33.67  | 27.02   | 00.028  | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 00.63  | 33.819 | 27.13   |         | 1451.8  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 01.00  | 33.929 | 27.20   |         | 1452.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.39  | 33.96  | 27.21   | 00.038  | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.49  | 33.973 | 27.21   |         | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 02.63  | 34.06u | 27.19   |         | 1460.3  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 03.25  | 34.16u | 27.21   |         | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 03.37  | 34.160 | 27.20   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.20  | 34.14  | 27.20   | 00.055  | 1463.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 03.14  | 34.130 | 27.20   |         | 1462.9  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | 03.56  | 34.17u | 27.19   |         | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | 03.18  | 34.14u | 27.20   |         | 1463.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.92  | 34.12  | 27.21   | 00.077  | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.83  | 34.115 | 27.22   |         | 1461.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.57  | 34.16  | 27.28   | 00.098  | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.56  | 34.17u | 27.28   |         | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | 02.71  | 34.21u | 27.30   |         | 1462.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.09  | 34.33  | 27.36   | 00.117  | 1464.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.09  | 34.330 | 27.36   |         | 1464.2  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | 03.09  | 34.34u | 27.37   |         | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 03.38  | 34.357 | 27.36   |         | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 03.22  | 34.34u | 27.36   |         | 1465.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.51  | 34.45  | 27.42   | 00.135  | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 03.56  | 34.465 | 27.43   |         | 1466.8  |      |     |       |     |     |      |    |
|             | OBS   | 00154 | 04.10  | 34.558 | 27.45   |         | 1469.2  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 03.94  | 34.54u | 27.45   |         | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 03.89  | 34.56u | 27.47   |         | 1468.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.49  | 34.69  | 27.51   | 00.167  | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 04.56  | 34.71u | 27.52   |         | 1472.2  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.83  | 34.825 | 27.58   |         | 1473.8  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.91  | 34.89  | 27.62   | 00.195  | 1474.6  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.91  | 34.887 | 27.62   |         | 1474.6  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.59  | 34.840 | 27.62   |         | 1473.7  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.58  | 34.85  | 27.62   | 00.221  | 1474.0  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.58  | 34.85u | 27.63   |         | 1474.0  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 00301 | AIR TEMP 00.0    | DIR HGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0052    | MONTH 04  | SHIP EV     | WET BULB -01.8   | 29 3 4      | WIND-SPD 10 | TRACE DIR         | 5 SQUARE 4  |
| LAT 47 01.0N   | DAY 15    | DATA USE 1  | BAROMETER 1019.8 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 046 02.0W | HOUR 08.9 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X1  | ORIG 011 542      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.9        | STD   | 00000 | 00.37 | 33.31  | 26.75   | 00.000  | 1448.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 00.37 | 33.310 | 26.75   |         | 1448.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.38 | 33.31  | 26.75   | 00.013  | 1448.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 00.38 | 33.313 | 26.75   |         | 1448.9  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 00.38 | 33.333 | 26.76   |         | 1449.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.42 | 33.49  | 26.89   | 00.025  | 1449.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 00.46 | 33.620 | 26.99   |         | 1449.8  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 00.93 | 33.845 | 27.14   |         | 1452.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.32 | 33.94  | 27.19   | 00.036  | 1454.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.35 | 33.940 | 27.19   |         | 1454.4  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 01.48 | 33.955 | 27.20   |         | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.57 | 34.145 | 27.26   |         | 1460.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.71 | 34.15  | 27.25   | 00.053  | 1461.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.73 | 34.150 | 27.25   |         | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 02.42 | 34.113 | 27.25   |         | 1459.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.57 | 34.14  | 27.26   | 00.074  | 1460.8  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 02.43 | 34.15u | 27.26   |         | 1461.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.95 | 34.24  | 27.30   | 00.094  | 1463.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.96 | 34.240 | 27.30   |         | 1463.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.96 | 34.32  | 27.37   | 00.113  | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.96 | 34.32u | 27.37   |         | 1463.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.04 | 34.34  | 27.40   | 00.131  | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 03.04 | 34.363 | 27.40   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00158 | 03.00 | 34.360 | 27.40   |         | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 03.54 | 34.510 | 27.46   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 03.48 | 34.580 | 27.51   |         | 1468.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.10 | 34.66  | 27.53   | 00.163  | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 04.23 | 34.690 | 27.54   |         | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00230 | 04.56 | 34.800 | 27.59   |         | 1472.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.47 | 34.80  | 27.60   | 00.191  | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.46 | 34.800 | 27.60   |         | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.24 | 34.815 | 27.64   |         | 1472.2  |      |     |       |     |     |      |    |
|             | OBS   | 00298 | 04.25 | 34.830 | 27.65   |         | 1472.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 04045 | AIR TEMP 05.0   | DIR HGT PER | WIND-DIR 04 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0053    | MONTH 04  | SHIP EV     | WET BULB 05.0   | 24 1 2      | WIND-SPD 06 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 46 24.6N   | DAY 25    | DATA USE 1  | BAROMETR 1023.7 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 60 |
| LONG 041 50.5N | MOUR 12.3 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X4  | CRIG 011 543      | 1 SQUARE 61 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 12.3        | STD   | 00000 | 04.24  | 34.19  | 27.14   | 00.000  | 1466.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.24  | 34.190 | 27.14   |         | 1466.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.23  | 34.19  | 27.14   | 00.009  | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.22  | 34.190 | 27.14   |         | 1466.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.13  | 34.19  | 27.15   | 00.019  | 1466.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.12  | 34.190 | 27.15   |         | 1466.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.96  | 34.19  | 27.17   | 00.028  | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.95  | 34.187 | 27.17   |         | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.88  | 34.170 | 27.16   |         | 1465.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.79  | 34.18  | 27.18   | 00.046  | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 03.78  | 34.180 | 27.18   |         | 1465.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.48  | 34.27  | 27.28   | 00.067  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.47  | 34.270 | 27.28   |         | 1464.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.28  | 34.30  | 27.32   | 00.087  | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.27  | 34.300 | 27.32   |         | 1464.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.02  | 34.31  | 27.35   | 00.106  | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.02  | 34.310 | 27.35   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.87  | 34.32  | 27.37   | 00.124  | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 02.86  | 34.320 | 27.38   |         | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 02.79  | 34.410 | 27.46   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00199 | 02.67  | 34.474 | 27.51   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.67  | 34.47  | 27.51   | 00.157  | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 02.68  | 34.470 | 27.51   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.69  | 34.460 | 27.50   |         | 1464.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.70  | 34.52  | 27.55   | 00.186  | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 02.70  | 34.520 | 27.55   |         | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 02.71  | 34.530 | 27.56   |         | 1465.3  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.72  | 34.53  | 27.56   | 00.214  | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 02.73  | 34.530 | 27.56   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.96  | 34.656 | 27.63   |         | 1467.7  |      |     |       |     |     |      |    |
| STD         | 00400 | 03.27 | 34.67  | 27.62  | 00.268  | 1469.9  |         |      |     |       |     |     |      |    |
| OBS         | 00403 | 03.30 | 34.680 | 27.62  |         | 1470.1  |         |      |     |       |     |     |      |    |
| OBS         | 00451 | 03.72 | 34.826 | 27.69  |         | 1472.9  |         |      |     |       |     |     |      |    |
| STD         | 00500 | 03.86 | 34.86  | 27.71  | 00.315  | 1474.3  |         |      |     |       |     |     |      |    |
| OBS         | 00502 | 03.86 | 34.860 | 27.71  |         | 1474.4  |         |      |     |       |     |     |      |    |
| OBS         | 00552 | 03.91 | 34.880 | 27.72  |         | 1475.4  |         |      |     |       |     |     |      |    |
| STD         | 00600 | 03.88 | 34.89  | 27.73  | 00.359  | 1476.1  |         |      |     |       |     |     |      |    |
| OBS         | 00601 | 03.88 | 34.896 | 27.73  |         | 1476.1  |         |      |     |       |     |     |      |    |
| OBS         | 00651 | 03.84 | 34.890 | 27.74  |         | 1476.8  |         |      |     |       |     |     |      |    |
| STD         | 00700 | 03.81 | 34.89  | 27.74  | 00.402  | 1477.5  |         |      |     |       |     |     |      |    |
| OBS         | 00702 | 03.81 | 34.894 | 27.74  |         | 1477.5  |         |      |     |       |     |     |      |    |
| OBS         | 00751 | 02.77 | 34.880 | 27.74  |         | 1478.2  |         |      |     |       |     |     |      |    |
| STD         | 00800 | 03.72 | 34.88  | 27.74  | 00.445  | 1478.7  |         |      |     |       |     |     |      |    |
| OBS         | 00801 | 03.72 | 34.880 | 27.74  |         | 1478.8  |         |      |     |       |     |     |      |    |
| OBS         | 00850 | 03.47 | 34.880 | 27.75  |         | 1479.4  |         |      |     |       |     |     |      |    |
| STD         | 00900 | 03.45 | 34.88  | 27.75  | 00.489  | 1480.1  |         |      |     |       |     |     |      |    |
| OBS         | 00902 | 03.45 | 34.880 | 27.75  |         | 1480.1  |         |      |     |       |     |     |      |    |
| OBS         | 00953 | 03.59 | 34.880 | 27.75  |         | 1480.8  |         |      |     |       |     |     |      |    |
| STD         | 01000 | 03.56 | 34.88  | 27.76  | 00.532  | 1481.4  |         |      |     |       |     |     |      |    |
| OBS         | 01001 | 03.56 | 34.880 | 27.76  |         | 1481.4  |         |      |     |       |     |     |      |    |
| OBS         | 01024 | 03.55 | 34.874 | 27.76  |         | 1481.8  |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 04200 | AIR TEMP 06.5   | DIR MGT PER | WIND-DIR 16 | INST STD RECORDER | TEN SO 1906 |
| CONSEC 0054    | MONTH 04  | SHIP EV     | WET BULB 06.5   | 01 1 5      | WIND-SPD 04 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 46 16.5N   | DAY 25    | DATA USE 1  | BAROMETR 1023.3 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 40 |
| LONG 041 49.2W | HOUR 13.9 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X4  | CRIG 011 5440014  | 1 SQUARE 61 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORIG | PD4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 13.9        | STD   | 00000 | 04.24 | 34.19  | 27.14   | 00.000  | 1466.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.24 | 34.190 | 27.14   |         | 1466.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.23 | 34.19  | 27.14   | 00.009  | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.22 | 34.194 | 27.14   |         | 1466.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.13 | 34.19  | 27.15   | 00.019  | 1466.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.12 | 34.190 | 27.15   |         | 1466.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.96 | 34.19  | 27.17   | 00.028  | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.95 | 34.187 | 27.17   |         | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 03.79 | 34.180 | 27.18   |         | 1465.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.78 | 34.18  | 27.18   | 00.046  | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 03.78 | 34.180 | 27.18   |         | 1465.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.48 | 34.27  | 27.28   | 00.067  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.47 | 34.270 | 27.28   |         | 1464.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.28 | 34.30  | 27.32   | 00.087  | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.27 | 34.300 | 27.32   |         | 1464.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.02 | 34.31  | 27.35   | 00.106  | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.02 | 34.314 | 27.35   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.87 | 34.32  | 27.37   | 00.124  | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 02.86 | 34.320 | 27.38   |         | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 02.79 | 34.410 | 27.46   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00199 | 02.67 | 34.470 | 27.51   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.67 | 34.47  | 27.51   | 00.157  | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 02.68 | 34.470 | 27.51   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.69 | 34.440 | 27.50   |         | 1464.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.70 | 34.52  | 27.55   | 00.186  | 1464.6  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 02.70 | 34.520 | 27.55   |         | 1464.6  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 02.71 | 34.530 | 27.56   |         | 1465.3  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.72 | 34.53  | 27.56   | 00.214  | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 02.73 | 34.530 | 27.56   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.56 | 34.650 | 27.63   |         | 1467.7  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.30 | 34.67  | 27.61   | 00.268  | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.31 | 34.670 | 27.61   |         | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 03.70 | 34.790 | 27.67   |         | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.85 | 34.84  | 27.71   | 00.316  | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.86 | 34.840 | 27.71   |         | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 03.91 | 34.880 | 27.72   |         | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.88 | 34.89  | 27.73   | 00.359  | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.88 | 34.890 | 27.73   |         | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.84 | 34.890 | 27.74   |         | 1476.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.81 | 34.89  | 27.74   | 00.402  | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00702 | 03.81 | 34.890 | 27.74   |         | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00751 | 03.77 | 34.865 | 27.72   |         | 1478.1  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.72 | 34.88  | 27.74   | 00.446  | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.72 | 34.880 | 27.74   |         | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.47 | 34.880 | 27.75   |         | 1479.4  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.45 | 34.88  | 27.75   | 00.489  | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00902 | 03.45 | 34.880 | 27.75   |         | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00953 | 03.59 | 34.880 | 27.75   |         | 1480.8  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.56 | 34.88  | 27.76   | 00.533  | 1481.4  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.56 | 34.880 | 27.76   |         | 1481.4  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 03.56 | 34.874 | 27.75   |         | 1481.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

ASPID 31 8370 YEAR 1974 BOTOP 04495 AIR TEMP 09.8 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEM SQ 1306  
 CONSEC 0055 MONTH 04 SHIP EV MET BULB 09.8 23 2 5 WIND-SPD 05 TRACE DIR D 5 SQUARE 3  
 LAT 44 06.4N DAY 25 DATA USE 1 BAROMETER 1023.5 SEA CL/TR WIND-FOR DURATION 00.5 2 SQUARE 60  
 LONG 041 51.4W HOUR 19-2 AREA 05 CLOUD T/A WEATHER XA ORIG OIL 545 1 SQUARE 61

| CASSTHUN/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPHTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|--------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 19.2          | OBS    | 00009 | 04.86 | 33.843 | 26.80   |          | 1469.1  |      |     |       |     |     |      |    |
|               | STD    | 00010 | 04.85 | 33.84  | 26.80   |          | 1469.0  |      |     |       |     |     |      |    |
|               | OBS    | 00011 | 04.84 | 33.837 | 26.79   |          | 1469.0  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 04.83 | 33.82  | 26.78   |          | 1469.1  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 04.83 | 33.820 | 26.78   |          | 1469.1  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 04.87 | 33.83  | 26.78   |          | 1469.4  |      |     |       |     |     |      |    |
|               | OBS    | 00030 | 04.87 | 33.827 | 26.78   |          | 1469.4  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 05.21 | 33.98  | 26.86   |          | 1471.3  |      |     |       |     |     |      |    |
|               | OBS    | 00051 | 05.22 | 33.980 | 26.86   |          | 1471.4  |      |     |       |     |     |      |    |
|               | OBS    | 00055 | 05.25 | 33.975 | 26.86   |          | 1471.6  |      |     |       |     |     |      |    |
|               | OBS    | 00060 | 05.72 | 34.120 | 26.91   |          | 1473.8  |      |     |       |     |     |      |    |
|               | STD    | 00075 | 05.38 | 34.06  | 26.90   |          | 1472.5  |      |     |       |     |     |      |    |
|               | OBS    | 00076 | 05.37 | 34.050 | 26.90   |          | 1472.5  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 06.02 | 34.29  | 27.01   |          | 1475.9  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 06.07 | 34.295 | 27.01   |          | 1476.1  |      |     |       |     |     |      |    |
|               | OBS    | 00104 | 06.31 | 34.305 | 26.99   |          | 1477.1  |      |     |       |     |     |      |    |
|               | OBS    | 00114 | 08.29 | 34.640 | 26.98   |          | 1485.5  |      |     |       |     |     |      |    |
|               | OBS    | 00123 | 09.13 | 34.870 | 27.02   |          | 1489.0  |      |     |       |     |     |      |    |
|               | STD    | 00125 | 05.12 | 34.86  | 27.01   |          | 1489.0  |      |     |       |     |     |      |    |
|               | OBS    | 00125 | 09.11 | 34.850 | 27.00   |          | 1489.0  |      |     |       |     |     |      |    |
|               | STD    | 00150 | 09.07 | 34.87  | 27.03   |          | 1489.3  |      |     |       |     |     |      |    |
|               | OBS    | 00161 | 09.05 | 34.880 | 27.04   |          | 1489.4  |      |     |       |     |     |      |    |
|               | OBS    | 00165 | 08.76 | 34.885 | 27.07   |          | 1488.5  |      |     |       |     |     |      |    |
|               | OBS    | 00175 | 08.62 | 34.877 | 27.10   |          | 1488.0  |      |     |       |     |     |      |    |
|               | OBS    | 00190 | 07.60 | 34.740 | 27.16   |          | 1484.2  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 07.08 | 34.67  | 27.16   |          | 1482.2  |      |     |       |     |     |      |    |
|               | OBS    | 00201 | 07.01 | 34.640 | 27.17   |          | 1482.0  |      |     |       |     |     |      |    |
|               | OBS    | 00205 | 06.68 | 34.640 | 27.19   |          | 1481.5  |      |     |       |     |     |      |    |
|               | OBS    | 00209 | 06.59 | 34.648 | 27.22   |          | 1480.4  |      |     |       |     |     |      |    |
|               | OBS    | 00226 | 06.64 | 34.680 | 27.24   |          | 1480.9  |      |     |       |     |     |      |    |
|               | OBS    | 00234 | 06.60 | 34.680 | 27.24   |          | 1480.9  |      |     |       |     |     |      |    |
|               | OBS    | 00241 | 06.96 | 34.797 | 27.29   |          | 1482.4  |      |     |       |     |     |      |    |
|               | OBS    | 00243 | 06.98 | 34.800 | 27.28   |          | 1482.7  |      |     |       |     |     |      |    |
|               | OBS    | 00245 | 07.32 | 34.860 | 27.28   |          | 1484.1  |      |     |       |     |     |      |    |
|               | STD    | 00280 | 07.39 | 34.87  | 27.29   |          | 1484.5  |      |     |       |     |     |      |    |
|               | OBS    | 00251 | 07.33 | 34.870 | 27.29   |          | 1484.5  |      |     |       |     |     |      |    |
|               | OBS    | 00274 | 07.05 | 34.870 | 27.33   |          | 1483.6  |      |     |       |     |     |      |    |
|               | OBS    | 00279 | 06.85 | 34.835 | 27.33   |          | 1482.8  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 06.27 | 34.79  | 27.37   |          | 1480.8  |      |     |       |     |     |      |    |
|               | OBS    | 00306 | 06.17 | 34.790 | 27.39   |          | 1480.5  |      |     |       |     |     |      |    |
|               | OBS    | 00336 | 06.31 | 34.870 | 27.43   |          | 1481.7  |      |     |       |     |     |      |    |
|               | OBS    | 00342 | 05.60 | 34.770 | 27.44   |          | 1478.8  |      |     |       |     |     |      |    |
|               | OBS    | 00350 | 05.36 | 34.770 | 27.47   |          | 1477.9  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 05.26 | 34.85  | 27.55   |          | 1478.5  |      |     |       |     |     |      |    |
|               | OBS    | 00405 | 05.25 | 34.853 | 27.55   |          | 1478.5  |      |     |       |     |     |      |    |
|               | OBS    | 00451 | 05.36 | 34.840 | 27.84   |          | 1479.7  |      |     |       |     |     |      |    |
|               | STD    | 00500 | 05.16 | 34.86  | 27.57   |          | 1479.7  |      |     |       |     |     |      |    |
|               | OBS    | 00512 | 05.11 | 34.880 | 27.59   |          | 1479.7  |      |     |       |     |     |      |    |
|               | OBS    | 00550 | 04.97 | 34.970 | 27.68   |          | 1479.9  |      |     |       |     |     |      |    |
|               | OBS    | 00590 | 05.01 | 34.970 | 27.67   |          | 1480.7  |      |     |       |     |     |      |    |
|               | OBS    | 00599 | 04.45 | 34.840 | 27.65   |          | 1478.4  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 04.44 | 34.87  | 27.65   |          | 1478.4  |      |     |       |     |     |      |    |
|               | OBS    | 00601 | 04.42 | 34.890 | 27.68   |          | 1478.4  |      |     |       |     |     |      |    |
|               | OBS    | 00652 | 04.23 | 34.870 | 27.68   |          | 1478.4  |      |     |       |     |     |      |    |
|               | OBS    | 00654 | 04.25 | 34.870 | 27.68   |          | 1478.5  |      |     |       |     |     |      |    |
|               | OBS    | 00685 | 04.52 | 34.890 | 27.66   |          | 1480.2  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 04.46 | 34.89  | 27.67   |          | 1480.3  |      |     |       |     |     |      |    |
|               | OBS    | 00702 | 04.47 | 34.890 | 27.67   |          | 1480.3  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 04.34 | 34.89  | 27.68   |          | 1481.4  |      |     |       |     |     |      |    |
|               | OBS    | 00840 | 04.24 | 34.880 | 27.69   |          | 1481.9  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 04.16 | 34.87  | 27.69   |          | 1482.2  |      |     |       |     |     |      |    |
|               | OBS    | 00900 | 04.16 | 34.870 | 27.69   |          | 1482.2  |      |     |       |     |     |      |    |
|               | OBS    | 00951 | 04.11 | 34.870 | 27.69   |          | 1482.9  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 04.04 | 34.84  | 27.69   |          | 1483.4  |      |     |       |     |     |      |    |
|               | OBS    | 01001 | 04.04 | 34.840 | 27.69   |          | 1483.4  |      |     |       |     |     |      |    |
|               | OBS    | 01016 | 04.02 | 34.870 | 27.70   |          | 1483.6  |      |     |       |     |     |      |    |
|               | OBS    | 01022 | 04.03 | 34.860 | 27.69   |          | 1483.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 04524 | AIR TEMP 13.9   | DIA HGT PER | WIND-DIA 19 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0056    | MONTH 04  | SHIP EV     | WET BULB 13.8   | 24 3 2      | WIND-SPD 12 | TRACE DIA 0       | 5 SQUARE 3  |
| LAT 45 55.7N   | DAY 26    | DATA USE 1  | BAROMETR 1024.0 | SEA         | WIND-FOR    | DURATION 00.7     | 2 SQUARE 40 |
| LONG 041 44.0W | HOOR 01.1 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 546      | 1 SQUARE 51 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPH | SND VEL | ORYG | PG4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 01.1        | STD   | 00000 | 12.92 | 35.46  | 26.78   | 00.000 | 1501.2  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 12.92 | 35.460 | 26.78   |        | 1501.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 12.92 | 35.46  | 26.78   | 00.013 | 1501.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 12.92 | 35.460 | 26.78   |        | 1501.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 12.92 | 35.46  | 26.78   | 00.026 | 1501.5  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 12.92 | 35.460 | 26.78   |        | 1501.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 12.92 | 35.46  | 26.78   | 00.038 | 1501.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 12.92 | 35.460 | 26.78   |        | 1501.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 12.90 | 35.46  | 26.79   | 00.064 | 1501.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 12.90 | 35.465 | 26.79   |        | 1502.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 12.92 | 35.47  | 26.79   | 00.096 | 1502.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 12.92 | 35.470 | 26.79   |        | 1502.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 12.92 | 35.47  | 26.79   | 00.128 | 1502.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 12.92 | 35.470 | 26.79   |        | 1502.8  |      |     |       |     |     |      |    |
|             | OBS   | 00118 | 13.44 | 35.660 | 26.83   |        | 1505.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 13.62 | 35.69  | 26.82   | 00.160 | 1505.8  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 13.63 | 35.690 | 26.82   |        | 1505.9  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 13.69 | 35.710 | 26.82   |        | 1506.2  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 13.97 | 35.820 | 26.84   |        | 1507.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 13.99 | 35.82  | 26.84   | 00.192 | 1507.6  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 14.00 | 35.825 | 26.84   |        | 1507.7  |      |     |       |     |     |      |    |
|             | OBS   | 00163 | 12.08 | 35.300 | 26.82   |        | 1500.8  |      |     |       |     |     |      |    |
|             | OBS   | 00171 | 10.77 | 35.016 | 26.84   |        | 1496.0  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 10.59 | 34.990 | 26.86   |        | 1495.4  |      |     |       |     |     |      |    |
|             | OBS   | 00182 | 10.59 | 35.026 | 26.88   |        | 1495.5  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 11.37 | 35.18  | 26.86   | 00.255 | 1498.8  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 11.49 | 35.220 | 26.87   |        | 1499.3  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 11.38 | 35.340 | 26.99   |        | 1499.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 11.03 | 35.28  | 27.01   | 00.314 | 1498.5  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 10.28 | 35.16  | 27.04   | 00.369 | 1496.5  |      |     |       |     |     |      |    |
|             | OBS   | 00357 | 09.41 | 35.010 | 27.08   |        | 1494.1  |      |     |       |     |     |      |    |
|             | OBS   | 00359 | 09.31 | 34.995 | 27.08   |        | 1493.8  |      |     |       |     |     |      |    |
|             | OBS   | 00367 | 08.64 | 34.860 | 27.09   |        | 1491.2  |      |     |       |     |     |      |    |
|             | OBS   | 00373 | 07.21 | 34.603 | 27.10   |        | 1485.5  |      |     |       |     |     |      |    |
|             | OBS   | 00376 | 06.78 | 34.530 | 27.10   |        | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00382 | 06.60 | 34.620 | 27.20   |        | 1483.3  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 06.66 | 34.66  | 27.22   | 00.470 | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00403 | 06.67 | 34.667 | 27.22   |        | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00409 | 06.53 | 34.640 | 27.22   |        | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00416 | 05.67 | 34.470 | 27.20   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00418 | 05.51 | 34.460 | 27.21   |        | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 05.50 | 34.530 | 27.27   |        | 1479.9  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.26 | 34.67  | 27.40   | 00.553 | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 05.24 | 34.670 | 27.41   |        | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00504 | 05.11 | 34.645 | 27.40   |        | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00519 | 05.24 | 34.670 | 27.41   |        | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00529 | 05.79 | 34.790 | 27.43   |        | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00537 | 05.81 | 34.800 | 27.44   |        | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00544 | 06.39 | 34.880 | 27.43   |        | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00567 | 06.05 | 34.845 | 27.44   |        | 1484.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 06.04 | 34.87  | 27.46   | 00.626 | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00614 | 06.04 | 34.870 | 27.47   |        | 1485.2  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 05.47 | 34.870 | 27.54   |        | 1483.5  |      |     |       |     |     |      |    |
|             | OBS   | 00654 | 05.54 | 34.945 | 27.59   |        | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00662 | 05.84 | 34.997 | 27.59   |        | 1485.3  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 05.63 | 34.97  | 27.60   | 00.692 | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 05.63 | 34.970 | 27.60   |        | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00751 | 05.44 | 35.005 | 27.65   |        | 1485.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 05.23 | 35.00  | 27.67   | 00.748 | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 05.22 | 35.000 | 27.67   |        | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00824 | 05.13 | 34.990 | 27.67   |        | 1485.1  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.56 | 34.89  | 27.66   | 00.801 | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00925 | 04.52 | 34.880 | 27.66   |        | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00927 | 04.52 | 34.880 | 27.66   |        | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00959 | 04.50 | 34.880 | 27.66   |        | 1484.7  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.33 | 34.87  | 27.67   | 00.855 | 1484.6  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.29 | 34.866 | 27.67   |        | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 01003 | 04.23 | 34.860 | 27.67   |        | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 04.25 | 34.860 | 27.67   |        | 1484.6  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00078 | AIR TEMP 01.9   | DIA HGT PER | WIND-DIA 01 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0057    | MONTH 04  | SHIP EV     | WET BULB 01.3   | 00 0 X      | WIND-SPD 12 | TRACE DIA 0       | 5 SQUARE 4  |
| LAT 46 38.5W   | DAY 29    | DATA USE 1  | BAROMETR 1026.4 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 44.0W | HOOR 05.0 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 547      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPH | SND VEL | ORYG | PG4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 05.0        | STD   | 00000 | 00.08  | 32.81  | 26.36   | 00.000 | 1446.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 00.08  | 32.810 | 26.36   |        | 1446.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.09  | 32.81  | 26.36   | 00.017 | 1446.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 00.09  | 32.810 | 26.36   |        | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | - 0.04 | 32.797 | 26.35   |        | 1446.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.12 | 32.86  | 26.41   | 00.033 | 1446.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.18 | 32.900 | 26.45   |        | 1445.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.36 | 32.91  | 26.46   | 00.049 | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.37 | 32.915 | 26.46   |        | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | - 0.90 | 32.930 | 26.50   |        | 1443.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00095 | AIR TEMP 01.9   | DIR MGT PER | WIND-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0058    | MONTH 04  | SHIP EV     | NET BULB 01.3   | 00 0 X      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 44 35.0N   | DAY 29    | DATA USE 1  | BAROMETR 1028.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 26.0N | HOOR 07.3 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 548      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | GRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.3        | STD   | 00000 | - 0.37 | 32.93  | 26.48   | 00.000  | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 0.37 | 32.930 | 26.48   |         | 1444.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.37 | 32.93  | 26.48   | 00.016  | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.37 | 32.930 | 26.48   |         | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.38 | 32.93  | 26.48   | 00.031  | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.39 | 32.930 | 26.48   |         | 1445.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.52 | 32.93  | 26.48   | 00.047  | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.53 | 32.930 | 26.48   |         | 1444.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.74 | 32.94  | 26.49   | 00.078  | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.76 | 32.940 | 26.50   |         | 1443.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.38 | 33.11  | 26.65   | 00.115  | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.39 | 33.115 | 26.66   |         | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | - 1.41 | 33.140 | 26.68   |         | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | - 1.39 | 33.140 | 26.68   |         | 1441.7  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00101 | AIR TEMP 01.9   | DIR MGT PER | WIND-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0059    | MONTH 04  | SHIP EV     | NET BULB 01.3   | 00 0 X      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 44 31.0N   | DAY 29    | DATA USE 1  | BAROMETR 1028.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 14.8N | HOOR 08.4 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 549      | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | GRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.4        | STD   | 00000 | - 0.37 | 33.04  | 26.56   | 00.000  | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 0.37 | 33.040 | 26.56   |         | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.37 | 33.04  | 26.56   | 00.015  | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.37 | 33.040 | 26.56   |         | 1445.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.36 | 33.04  | 26.56   | 00.030  | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.36 | 33.040 | 26.56   |         | 1445.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.37 | 33.05  | 26.57   | 00.044  | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.37 | 33.050 | 26.57   |         | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 0.37 | 33.030 | 26.56   |         | 1445.4  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | - 0.55 | 33.040 | 26.57   |         | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | - 0.89 | 33.040 | 26.58   |         | 1443.2  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | - 0.94 | 33.030 | 26.58   |         | 1443.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.10 | 33.06  | 26.60   | 00.074  | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.19 | 33.076 | 26.62   |         | 1441.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.46 | 33.14  | 26.68   | 00.109  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.46 | 33.140 | 26.68   |         | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | - 1.47 | 33.153 | 26.69   |         | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | - 1.44 | 33.240 | 26.76   |         | 1441.7  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00115 | AIR TEMP 50.1   | DIR MGT PER | WIND-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0060    | MONTH 04  | SHIP EV     | NET BULB 50.3   | 00 0 X      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 44 28.0N   | DAY 29    | DATA USE 1  | BAROMETR 1028.8 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 00.0N | HOOR 10.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 5500018  | 1 SQUARE 68 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | GRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 10.0        | STD   | 00000 | - 0.50 | 33.06  | 26.55   | 00.000  | 1444.3  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | - 0.50 | 33.060 | 26.59   |         | 1444.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.51 | 33.06  | 26.55   | 00.015  | 1444.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.51 | 33.060 | 26.59   |         | 1444.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.51 | 33.06  | 26.55   | 00.029  | 1444.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.51 | 33.060 | 26.55   |         | 1444.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.52 | 33.08  | 26.55   | 00.044  | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.53 | 33.060 | 26.55   |         | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 0.58 | 33.050 | 26.56   |         | 1444.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.79 | 33.09  | 26.62   | 00.073  | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.81 | 33.090 | 26.62   |         | 1443.7  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | - 0.98 | 33.080 | 26.62   |         | 1443.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.06 | 33.12  | 26.66   | 00.108  | 1443.0  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.08 | 33.130 | 26.66   |         | 1442.9  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | - 1.53 | 33.253 | 26.78   |         | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.41 | 33.30  | 26.81   | 00.141  | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.40 | 33.300 | 26.81   |         | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | - 1.39 | 33.300 | 26.81   |         | 1442.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00137 | AIA TEMP 00.5   | DIR HGT PER | WIND-DIR 08 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0061    | MONTH 04  | SHIP EV     | WET BULB 00.5   | 00 0 X      | WIND-SPD 09 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 23.0N   | DAY 29    | DATA USE 1  | BAROMETR 1028.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 46.5W | HOUR 11.1 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 5510016  | 1 SQUARE 67 |

| CASNUM/TIME | L/LTYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 11.1        | STD    | 00000 | - 0.42 | 33.09  | 26.61   | 00.000   | 1444.7  |      |     |       |     |     |      |    |
|             | OBS    | 00001 | - 0.42 | 33.090 | 26.61   |          | 1444.7  |      |     |       |     |     |      |    |
|             | STD    | 00010 | - 0.46 | 33.07  | 26.55   | 00.014   | 1444.7  |      |     |       |     |     |      |    |
|             | OBS    | 00011 | - 0.47 | 33.074 | 26.59   |          | 1444.6  |      |     |       |     |     |      |    |
|             | STD    | 00020 | - 0.57 | 33.07  | 26.60   | 00.029   | 1444.3  |      |     |       |     |     |      |    |
|             | OBS    | 00020 | - 0.58 | 33.070 | 26.60   |          | 1444.3  |      |     |       |     |     |      |    |
|             | STD    | 00030 | - 0.71 | 33.09  | 26.62   | 00.043   | 1443.8  |      |     |       |     |     |      |    |
|             | OBS    | 00030 | - 0.72 | 33.090 | 26.62   |          | 1443.8  |      |     |       |     |     |      |    |
|             | OBS    | 00049 | - 0.89 | 33.060 | 26.60   |          | 1443.3  |      |     |       |     |     |      |    |
|             | STD    | 00050 | - 0.89 | 33.06  | 26.60   | 00.072   | 1443.3  |      |     |       |     |     |      |    |
|             | OBS    | 00053 | - 0.93 | 33.077 | 26.61   |          | 1443.2  |      |     |       |     |     |      |    |
|             | OBS    | 00059 | - 1.08 | 33.094 | 26.63   |          | 1442.6  |      |     |       |     |     |      |    |
|             | OBS    | 00062 | - 1.38 | 33.093 | 26.65   |          | 1440.3  |      |     |       |     |     |      |    |
|             | STD    | 00075 | - 1.68 | 33.13  | 26.68   | 00.107   | 1440.1  |      |     |       |     |     |      |    |
|             | OBS    | 00076 | - 1.69 | 33.143 | 26.69   |          | 1440.1  |      |     |       |     |     |      |    |
|             | OBS    | 00083 | - 1.74 | 33.255 | 26.78   |          | 1440.1  |      |     |       |     |     |      |    |
|             | STD    | 00100 | - 1.61 | 33.28  | 26.80   | 00.140   | 1441.1  |      |     |       |     |     |      |    |
|             | OBS    | 00100 | - 1.60 | 33.284 | 26.80   |          | 1441.1  |      |     |       |     |     |      |    |
|             | OBS    | 00118 | - 1.44 | 33.430 | 26.92   |          | 1442.4  |      |     |       |     |     |      |    |
|             | STD    | 00125 | - 1.14 | 33.44  | 26.91   | 00.170   | 1443.9  |      |     |       |     |     |      |    |
|             | OBS    | 00125 | - 1.12 | 33.440 | 26.91   |          | 1444.0  |      |     |       |     |     |      |    |
|             | OBS    | 00131 | - 0.97 | 33.493 | 26.95   |          | 1444.9  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00219 | AIA TEMP 02.2   | DIR HGT PER | WIND-DIR 08 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0062    | MONTH 04  | SHIP EV     | WET BULB 02.0   | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 20.5N   | DAY 29    | DATA USE 1  | BAROMETR 1027.8 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 31.0W | HOUR 12.4 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 5520016  | 1 SQUARE 67 |

| CASNUM/TIME | L/LTYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 12.4        | STD    | 00000 | - 0.94 | 33.07  | 26.61   | 00.000   | 1442.3  |      |     |       |     |     |      |    |
|             | OBS    | 00001 | - 0.94 | 33.070 | 26.61   |          | 1442.3  |      |     |       |     |     |      |    |
|             | OBS    | 00007 | - 0.53 | 33.067 | 26.61   |          | 1442.4  |      |     |       |     |     |      |    |
|             | STD    | 00010 | - 0.95 | 33.07  | 26.61   | 00.014   | 1442.4  |      |     |       |     |     |      |    |
|             | OBS    | 00011 | - 0.96 | 33.070 | 26.61   |          | 1442.4  |      |     |       |     |     |      |    |
|             | STD    | 00020 | - 0.98 | 33.07  | 26.61   | 00.029   | 1442.4  |      |     |       |     |     |      |    |
|             | OBS    | 00020 | - 0.99 | 33.070 | 26.61   |          | 1442.4  |      |     |       |     |     |      |    |
|             | STD    | 00030 | - 1.07 | 33.08  | 26.62   | 00.043   | 1442.1  |      |     |       |     |     |      |    |
|             | OBS    | 00030 | - 1.08 | 33.080 | 26.62   |          | 1442.1  |      |     |       |     |     |      |    |
|             | OBS    | 00040 | - 1.24 | 33.094 | 26.64   |          | 1441.5  |      |     |       |     |     |      |    |
|             | STD    | 00050 | - 1.71 | 33.14  | 26.69   | 00.071   | 1439.6  |      |     |       |     |     |      |    |
|             | OBS    | 00051 | - 1.75 | 33.154 | 26.70   |          | 1439.4  |      |     |       |     |     |      |    |
|             | STD    | 00075 | - 1.65 | 33.29  | 26.81   | 00.103   | 1440.5  |      |     |       |     |     |      |    |
|             | OBS    | 00076 | - 1.64 | 33.300 | 26.82   |          | 1440.5  |      |     |       |     |     |      |    |
|             | STD    | 00100 | - 1.45 | 33.42  | 26.91   | 00.133   | 1442.0  |      |     |       |     |     |      |    |
|             | OBS    | 00100 | - 1.44 | 33.420 | 26.91   |          | 1442.1  |      |     |       |     |     |      |    |
|             | STD    | 00125 | - 1.17 | 33.49  | 26.96   | 00.161   | 1443.8  |      |     |       |     |     |      |    |
|             | OBS    | 00125 | - 1.16 | 33.495 | 26.96   |          | 1443.9  |      |     |       |     |     |      |    |
|             | STD    | 00150 | - 0.94 | 33.64  | 27.06   | 00.186   | 1447.4  |      |     |       |     |     |      |    |
|             | OBS    | 00150 | - 0.93 | 33.644 | 27.06   |          | 1447.4  |      |     |       |     |     |      |    |
|             | OBS    | 00177 | - 0.49 | 33.650 | 27.06   |          | 1448.1  |      |     |       |     |     |      |    |
|             | STD    | 00200 | - 0.49 | 33.65  | 27.06   | 00.238   | 1448.5  |      |     |       |     |     |      |    |
|             | OBS    | 00201 | - 0.49 | 33.650 | 27.06   |          | 1448.5  |      |     |       |     |     |      |    |
|             | OBS    | 00215 | - 0.49 | 33.634 | 27.05   |          | 1448.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 01154 | AIR TEMP 01.1   | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0043    | MONTH 04  | SHIP EV     | WET BULB 00.8   | 18 0 4      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 12.0N   | DAY 29    | DATA USE 1  | BAROMETR 1027.6 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 66 |
| LONG 047 08.5W | MOOR 14.5 | AREA 05     | CLLOUD 7/A      | CL/7R       | WEATHER KA  | ORIG 011 5530011  | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TGT P | NO2 | NO3 | SIG3 | PH |
|-------------|-------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 14.5        | STD   | 00000 | - 0.62 | 33.09  | 26.61   | 00.000   | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 0.62 | 33.087 | 26.61   |          | 1443.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.63 | 33.08  | 26.61   | 00.014   | 1443.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.66 | 33.080 | 26.61   |          | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | - 0.80 | 33.066 | 26.60   |          | 1443.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.95 | 33.06  | 26.61   | 00.029   | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.98 | 33.065 | 26.61   |          | 1442.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.23 | 33.08  | 26.62   | 00.043   | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.24 | 33.080 | 26.63   |          | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | - 1.58 | 33.306 | 26.81   |          | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.58 | 33.29  | 26.81   | 00.070   | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.57 | 33.280 | 26.80   |          | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | - 1.22 | 33.490 | 26.96   |          | 1442.5  |      |     |       |     |     |      |    |
|             | STD   | 00.75 | - 0.71 | 33.73  | 27.14   | 00.097   | 1445.5  |      |     |       |     |     |      |    |
|             | OBS   | 00.76 | - 0.66 | 33.750 | 27.15   |          | 1445.8  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 0.01 | 33.930 | 27.26   |          | 1449.2  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 00.99  | 33.975 | 27.24   |          | 1453.9  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 00.69  | 33.975 | 27.26   |          | 1452.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 00.99  | 34.06  | 27.31   | 00.118   | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 01.19  | 34.105 | 27.34   |          | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | 01.32  | 34.107 | 27.33   |          | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | 01.91  | 34.175 | 27.34   |          | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00119 | 01.97  | 34.180 | 27.34   |          | 1459.0  |      |     |       |     |     |      |    |
|             | OBS   | 00123 | 01.52  | 34.155 | 27.35   |          | 1457.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.43  | 34.18  | 27.36   | 00.137   | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.39  | 34.196 | 27.39   |          | 1456.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.91  | 34.30  | 27.47   | 00.154   | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 01.51  | 34.300 | 27.47   |          | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 01.77  | 34.426 | 27.55   |          | 1459.3  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.05  | 34.47  | 27.56   | 00.183   | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 02.07  | 34.476 | 27.56   |          | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.30  | 34.530 | 27.59   |          | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.36  | 34.59  | 27.55   | 00.210   | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 02.39  | 34.530 | 27.59   |          | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00279 | 02.93  | 34.666 | 27.64   |          | 1466.5  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 03.06  | 34.67  | 27.64   | 00.233   | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 03.07  | 34.676 | 27.64   |          | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 03.45  | 34.790 | 27.70   |          | 1470.0  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.80  | 34.85  | 27.71   | 00.281   | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.81  | 34.850 | 27.71   |          | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.82  | 34.865 | 27.72   |          | 1473.4  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.90  | 34.86  | 27.71   | 00.323   | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.90  | 34.866 | 27.71   |          | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.91  | 34.870 | 27.71   |          | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.91  | 34.87  | 27.71   | 00.369   | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00603 | 03.91  | 34.876 | 27.71   |          | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.86  | 34.870 | 27.72   |          | 1476.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.86  | 34.87  | 27.72   | 00.414   | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.86  | 34.870 | 27.72   |          | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.81  | 34.876 | 27.72   |          | 1478.3  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.73  | 34.87  | 27.73   | 00.459   | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.73  | 34.870 | 27.73   |          | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.70  | 34.860 | 27.73   |          | 1479.5  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.66  | 34.86  | 27.73   | 00.504   | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.66  | 34.860 | 27.73   |          | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.65  | 34.850 | 27.72   |          | 1480.9  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.70  | 34.86  | 27.73   | 00.550   | 1482.0  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.70  | 34.860 | 27.73   |          | 1482.0  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 03.66  | 34.859 | 27.73   |          | 1482.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |            |                 |             |             |                   |             |
|----------------|-----------|------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | PTOP 01410 | ALK TEMP 03.5   | DIR HGT PER | WIND-DIR 18 | INST STD RECORDER | TEN SQ 1904 |
| CONSEC 0064    | MONTH 04  | SHIP EV    | WET BULB 03.0   | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 44 04.7N   | DAY 29    | DATA USE 1 | BAROMETR 1026.8 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 66 |
| LONG 046 51.7W | MOOR 17.2 | AREA 05    | CLGUD T/A       | CL/TR       | WEATHER X2  | DRIG 011 9540008  | 1 SQUARE 66 |

| CAS | TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OTY G | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-----|------|--------|-------|-------|--------|---------|---------|---------|-------|-----|-------|-----|-----|------|----|
|     | 17.2 | STD    | 00000 | 01.02 | 33.27  | 26.68   | 00.000  | 1451.5  |       |     |       |     |     |      |    |
|     |      | OBS    | 00003 | 01.02 | 33.274 | 26.68   |         | 1451.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00005 | 01.03 | 33.270 | 26.68   |         | 1451.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00010 | 01.01 | 33.28  | 26.68   | 00.014  | 1451.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00013 | 01.00 | 33.285 | 26.69   |         | 1451.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00020 | 00.98 | 33.30  | 26.70   | 00.027  | 1451.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00020 | 00.96 | 33.300 | 26.70   |         | 1451.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00022 | 00.91 | 33.290 | 26.70   |         | 1451.4  |       |     |       |     |     |      |    |
|     |      | STD    | 00030 | 02.18 | 33.56  | 26.83   | 00.040  | 1457.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00032 | 02.45 | 33.620 | 26.85   |         | 1458.9  |       |     |       |     |     |      |    |
|     |      | OBS    | 00044 | 02.48 | 33.640 | 26.87   |         | 1459.3  |       |     |       |     |     |      |    |
|     |      | OBS    | 00047 | 02.10 | 33.600 | 26.87   |         | 1457.4  |       |     |       |     |     |      |    |
|     |      | STD    | 00050 | 01.57 | 33.70  | 26.96   | 00.064  | 1457.2  |       |     |       |     |     |      |    |
|     |      | OBS    | 00051 | 01.51 | 33.750 | 27.00   |         | 1457.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00064 | 01.78 | 33.757 | 27.02   |         | 1456.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00070 | 01.74 | 33.960 | 27.18   |         | 1456.9  |       |     |       |     |     |      |    |
|     |      | OBS    | 00072 | 02.11 | 34.085 | 27.25   |         | 1458.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00075 | 02.32 | 34.09  | 27.24   | 00.088  | 1459.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00089 | 03.13 | 34.200 | 27.26   |         | 1463.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00097 | 03.32 | 34.310 | 27.33   |         | 1464.6  |       |     |       |     |     |      |    |
|     |      | STD    | 00100 | 03.50 | 34.36  | 27.35   | 00.108  | 1465.5  |       |     |       |     |     |      |    |
|     |      | OBS    | 00104 | 03.75 | 34.420 | 27.37   |         | 1466.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00125 | 03.97 | 34.51  | 27.42   | 00.126  | 1468.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00127 | 04.00 | 34.510 | 27.42   |         | 1468.3  |       |     |       |     |     |      |    |
|     |      | OBS    | 00137 | 03.91 | 34.490 | 27.41   |         | 1468.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00140 | 04.24 | 34.620 | 27.48   |         | 1469.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00150 | 04.09 | 34.60  | 27.48   | 00.142  | 1469.2  |       |     |       |     |     |      |    |
|     |      | OBS    | 00150 | 04.08 | 34.600 | 27.48   |         | 1469.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00152 | 04.29 | 34.620 | 27.48   |         | 1470.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00169 | 04.30 | 34.645 | 27.49   |         | 1470.4  |       |     |       |     |     |      |    |
|     |      | OBS    | 00184 | 04.67 | 34.715 | 27.51   |         | 1472.3  |       |     |       |     |     |      |    |
|     |      | OBS    | 00194 | 04.54 | 34.750 | 27.55   |         | 1472.0  |       |     |       |     |     |      |    |
|     |      | STD    | 00200 | 04.75 | 34.80  | 27.57   | 00.171  | 1473.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00201 | 04.79 | 34.810 | 27.57   |         | 1473.2  |       |     |       |     |     |      |    |
|     |      | OBS    | 00218 | 04.67 | 34.815 | 27.59   |         | 1473.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00226 | 04.77 | 34.820 | 27.58   |         | 1473.6  |       |     |       |     |     |      |    |
|     |      | STD    | 00250 | 04.96 | 34.88  | 27.60   | 00.198  | 1474.8  |       |     |       |     |     |      |    |
|     |      | OBS    | 00251 | 04.97 | 34.880 | 27.60   |         | 1474.9  |       |     |       |     |     |      |    |
|     |      | OBS    | 00274 | 04.99 | 34.870 | 27.59   |         | 1475.3  |       |     |       |     |     |      |    |
|     |      | STD    | 00300 | 04.93 | 34.88  | 27.61   | 00.225  | 1475.5  |       |     |       |     |     |      |    |
|     |      | OBS    | 00300 | 04.92 | 34.880 | 27.61   |         | 1475.5  |       |     |       |     |     |      |    |
|     |      | OBS    | 00316 | 04.77 | 34.875 | 27.62   |         | 1475.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00325 | 04.22 | 34.805 | 27.63   |         | 1472.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00329 | 04.06 | 34.810 | 27.65   |         | 1472.3  |       |     |       |     |     |      |    |
|     |      | OBS    | 00335 | 04.24 | 34.820 | 27.64   |         | 1473.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00344 | 03.51 | 34.820 | 27.67   |         | 1471.9  |       |     |       |     |     |      |    |
|     |      | OBS    | 00352 | 03.57 | 34.810 | 27.66   |         | 1472.3  |       |     |       |     |     |      |    |
|     |      | STD    | 00400 | 04.17 | 34.87  | 27.69   | 00.274  | 1474.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00403 | 04.18 | 34.870 | 27.69   |         | 1474.1  |       |     |       |     |     |      |    |
|     |      | OBS    | 00451 | 04.27 | 34.880 | 27.67   |         | 1475.2  |       |     |       |     |     |      |    |
|     |      | STD    | 00500 | 04.40 | 34.89  | 27.68   | 00.321  | 1476.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00500 | 04.40 | 34.890 | 27.68   |         | 1476.6  |       |     |       |     |     |      |    |
|     |      | OBS    | 00550 | 04.31 | 34.880 | 27.68   |         | 1477.1  |       |     |       |     |     |      |    |
|     |      | STD    | 00600 | 04.25 | 34.89  | 27.69   | 00.368  | 1477.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00630 | 04.16 | 34.890 | 27.70   |         | 1477.8  |       |     |       |     |     |      |    |
|     |      | OBS    | 00651 | 04.07 | 34.880 | 27.70   |         | 1477.7  |       |     |       |     |     |      |    |
|     |      | STD    | 00700 | 04.04 | 34.87  | 27.70   | 00.416  | 1478.4  |       |     |       |     |     |      |    |
|     |      | OBS    | 00700 | 04.04 | 34.874 | 27.70   |         | 1478.4  |       |     |       |     |     |      |    |
|     |      | OBS    | 00750 | 03.97 | 34.880 | 27.72   |         | 1479.0  |       |     |       |     |     |      |    |
|     |      | STD    | 00800 | 03.78 | 34.88  | 27.74   | 00.461  | 1479.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00803 | 03.77 | 34.880 | 27.74   |         | 1479.0  |       |     |       |     |     |      |    |
|     |      | OBS    | 00850 | 03.77 | 34.880 | 27.74   |         | 1479.8  |       |     |       |     |     |      |    |
|     |      | STD    | 00900 | 03.79 | 34.88  | 27.73   | 00.506  | 1480.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00900 | 03.79 | 34.880 | 27.73   |         | 1480.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 00951 | 03.63 | 34.850 | 27.73   |         | 1480.8  |       |     |       |     |     |      |    |
|     |      | STD    | 01000 | 03.65 | 34.86  | 27.73   | 00.554  | 1481.7  |       |     |       |     |     |      |    |
|     |      | OBS    | 01001 | 03.65 | 34.860 | 27.73   |         | 1481.8  |       |     |       |     |     |      |    |
|     |      | OBS    | 01022 | 03.62 | 34.850 | 27.73   |         | 1482.0  |       |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00679 | AIR TEMP 02.3   | DIR HGT PER | WIND-DIR 25 | INST STD RECORDER | TEM SQ 1306 |
| CONSEC 0065    | MONTH 04  | SHIP EV     | NET BULB 02.1   | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 58.0N   | DAY 29    | DATA USE 1  | BAROMETR 1024.8 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 46 |
| LONG 046 24.0W | HOVR 20.5 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X2  | CRIG 011 5550008  | 1 SQUARE 56 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | STO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 20.5        | STD   | 00000 | 00.62  | 33.15  | 26.60   | 00.000  | 1449.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 00.62  | 33.150 | 26.60   |         | 1449.6  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 00.67  | 33.276 | 26.70   |         | 1450.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.17  | 33.41  | 26.78   | 00.014  | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.48  | 33.486 | 26.82   |         | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 02.93  | 33.620 | 26.81   |         | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.02  | 33.62  | 26.81   | 00.026  | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.04  | 33.620 | 26.80   |         | 1461.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.92  | 33.63  | 26.82   | 00.035  | 1460.9  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 02.89  | 33.640 | 26.83   |         | 1460.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.60  | 33.72  | 26.92   | 00.062  | 1460.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.57  | 33.730 | 26.93   |         | 1459.9  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 02.41  | 33.770 | 26.98   |         | 1459.3  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 02.15  | 33.745 | 26.98   |         | 1458.2  |      |     |       |     |     |      |    |
|             | OBS   | 00048 | 00.64  | 33.630 | 26.99   |         | 1451.4  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 0.38 | 33.730 | 27.12   |         | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | - 0.26 | 33.930 | 27.28   |         | 1447.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.33  | 33.97  | 27.28   | 00.087  | 1450.4  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 02.05  | 34.105 | 27.27   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 02.90  | 34.235 | 27.31   |         | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 03.46  | 34.290 | 27.30   |         | 1465.1  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.76  | 34.37  | 27.33   | 00.106  | 1466.6  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.20  | 34.48  | 27.37   | 00.125  | 1469.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.21  | 34.485 | 27.37   |         | 1469.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.43  | 34.53  | 27.39   | 00.143  | 1470.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 04.43  | 34.530 | 27.39   |         | 1470.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 04.56  | 34.680 | 27.49   |         | 1471.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.61  | 34.67  | 27.48   | 00.177  | 1472.3  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 04.61  | 34.670 | 27.48   |         | 1472.3  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.59  | 34.785 | 27.57   |         | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.61  | 34.79  | 27.58   | 00.206  | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 04.62  | 34.800 | 27.58   |         | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.68  | 34.867 | 27.63   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.73  | 34.88  | 27.63   | 00.232  | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.73  | 34.880 | 27.63   |         | 1474.7  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.53  | 34.88  | 27.66   | 00.282  | 1475.5  |      |     |       |     |     |      |    |
|             | OBS   | 00411 | 04.50  | 34.880 | 27.66   |         | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.22  | 34.89  | 27.70   | 00.329  | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.22  | 34.890 | 27.70   |         | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.16  | 34.890 | 27.70   |         | 1476.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.99  | 34.87  | 27.71   | 00.375  | 1476.6  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.99  | 34.870 | 27.71   |         | 1476.6  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.94  | 34.870 | 27.71   |         | 1477.2  |      |     |       |     |     |      |    |
|             | OBS   | 00677 | 03.95  | 34.866 | 27.70   |         | 1477.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03193 | AIR TEMP 04.6   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEM SQ 1306 |
| CONSEC 0066    | MONTH 04  | SHIP EV     | MET GULB 04.1   | 00 0 X      | WIND-SPD 06 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 49.0N   | DAY 29    | DATA USE 1  | BAROMETR 1025.3 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 44 |
| LONG 045 57.3W | HOUR 23.3 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | CRIS 011 556      | 1 SQUARE 59 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 23.3        | STD   | 00000 | 03.90 | 33.76  | 26.83   | 00.000 | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.90 | 33.76u | 26.83   |        | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.89 | 33.76  | 26.83   | 00.012 | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.88 | 33.76u | 26.84   |        | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 03.86 | 33.75u | 26.83   |        | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.83 | 33.76  | 26.84   | 00.024 | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.82 | 33.76u | 26.84   |        | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.71 | 33.77  | 26.86   | 00.037 | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.70 | 33.77u | 26.86   |        | 1464.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.45 | 33.83  | 26.93   | 00.060 | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 03.42 | 33.83u | 26.94   |        | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | 03.13 | 33.84u | 26.97   |        | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.05 | 33.94  | 27.06   | 00.087 | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.04 | 33.93u | 27.07   |        | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 03.36 | 34.087 | 27.15   |        | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 03.67 | 34.14u | 27.16   |        | 1465.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.56 | 34.16  | 27.18   | 00.111 | 1465.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.55 | 34.16u | 27.19   |        | 1465.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.06 | 34.32  | 27.26   | 00.132 | 1468.2  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.07 | 34.32u | 27.26   |        | 1468.3  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 03.95 | 34.31u | 27.26   |        | 1467.9  |      |     |       |     |     |      |    |
|             | OBS   | 00135 | 04.18 | 34.36u | 27.28   |        | 1469.0  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.64 | 34.47  | 27.32   | 00.153 | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 04.68 | 34.48u | 27.32   |        | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 04.65 | 34.52u | 27.36   |        | 1471.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 05.06 | 34.66  | 27.42   | 00.190 | 1474.1  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 05.09 | 34.66u | 27.42   |        | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 05.38 | 34.777 | 27.47   |        | 1476.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 05.33 | 34.81  | 27.51   | 00.222 | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 05.33 | 34.81u | 27.51   |        | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 05.27 | 34.80u | 27.51   |        | 1476.4  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.19 | 34.88  | 27.58   | 00.252 | 1476.6  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.19 | 34.88u | 27.58   |        | 1476.6  |      |     |       |     |     |      |    |
|             | OBS   | 00323 | 04.99 | 34.85u | 27.58   |        | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 05.33 | 34.97u | 27.63   |        | 1478.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.13 | 34.99  | 27.67   | 00.304 | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 05.13 | 34.99u | 27.67   |        | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00420 | 05.11 | 34.99u | 27.68   |        | 1478.4  |      |     |       |     |     |      |    |
|             | OBS   | 00458 | 04.52 | 34.88u | 27.66   |        | 1476.4  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.34 | 34.89  | 27.68   | 00.351 | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.34 | 34.89u | 27.68   |        | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.12 | 34.87u | 27.69   |        | 1476.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.22 | 34.87  | 27.68   | 00.399 | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 04.22 | 34.87u | 27.68   |        | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00652 | 04.16 | 34.87u | 27.69   |        | 1478.1  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.11 | 34.87  | 27.65   | 00.447 | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.11 | 34.87u | 27.65   |        | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.01 | 34.86u | 27.70   |        | 1479.1  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.02 | 34.87  | 27.71   | 00.495 | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.03 | 34.88  | 27.71   | 00.543 | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00978 | 04.04 | 34.88u | 27.71   |        | 1483.1  |      |     |       |     |     |      |    |
|             | STD   | 01300 | 04.00 | 34.88  | 27.71   | 00.592 | 1483.3  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.00 | 34.88u | 27.71   |        | 1483.3  |      |     |       |     |     |      |    |
|             | OBS   | 01024 | 04.00 | 34.88u | 27.71   |        | 1483.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8370  | YEAR 1974 | BOTOP 03563 | AIR TEMP 04.1   | DIR HGT PER | WIND-DIR Z1 | INST STO RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
| CONSEC 0067    | MONTH 04  | SHIP EV     | MET BULB 03.9   | 00 0 X      | WIND-SPD 05 | TRACE DIR 0       | 5 SQUARE 4  |      |     |       |     |     |      |    |
| LAT 45 39.2N   | DAY 30    | DATA USE 1  | BAROMETR 1024.2 | SEA         | WIND-POB    | DURATION 00.4     | 2 SQUARE 44 |      |     |       |     |     |      |    |
| LONG 045 28.0W | HOVR 02.7 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 557      | 1 SQUARE 55 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEMP            | SAL         | SIGMA-T     | OVNPTH            | SND VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 02.7           | STD       | 00000       | 03.50           | 33.83       | 26.93       | 00.000            | 1463.2      |      |     |       |     |     |      |    |
|                | OBS       | 00003       | 03.50           | 33.830      | 26.93       |                   | 1463.2      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 03.50           | 33.83       | 26.93       | 00.011            | 1463.3      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 03.52           | 33.840      | 26.93       |                   | 1463.4      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 03.71           | 33.96       | 27.01       | 00.022            | 1464.6      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 03.77           | 33.980      | 27.02       |                   | 1464.9      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 04.76           | 34.32       | 27.19       | 00.032            | 1469.6      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | 05.24           | 34.395      | 27.19       |                   | 1471.7      |      |     |       |     |     |      |    |
|                | OBS       | 00034       | 05.69           | 34.450      | 27.18       |                   | 1473.7      |      |     |       |     |     |      |    |
|                | OBS       | 00040       | 05.72           | 34.440      | 27.18       |                   | 1473.9      |      |     |       |     |     |      |    |
|                | OBS       | 00045       | 04.56           | 34.280      | 27.18       |                   | 1469.0      |      |     |       |     |     |      |    |
|                | OBS       | 00049       | 04.73           | 34.325      | 27.19       |                   | 1469.8      |      |     |       |     |     |      |    |
|                | STD       | 00050       | 04.73           | 34.32       | 27.19       | 00.050            | 1469.8      |      |     |       |     |     |      |    |
|                | OBS       | 00059       | 04.70           | 34.300      | 27.18       |                   | 1469.8      |      |     |       |     |     |      |    |
|                | OBS       | 00060       | 04.67           | 34.300      | 27.18       |                   | 1469.7      |      |     |       |     |     |      |    |
|                | OBS       | 00062       | 04.75           | 34.317      | 27.18       |                   | 1470.1      |      |     |       |     |     |      |    |
|                | OBS       | 00070       | 04.69           | 34.305      | 27.18       |                   | 1470.0      |      |     |       |     |     |      |    |
|                | STD       | 00075       | 04.03           | 34.20       | 27.17       | 00.073            | 1467.2      |      |     |       |     |     |      |    |
|                | OBS       | 00076       | 03.89           | 34.180      | 27.17       |                   | 1466.5      |      |     |       |     |     |      |    |
|                | OBS       | 00081       | 03.22           | 34.115      | 27.18       |                   | 1463.7      |      |     |       |     |     |      |    |
|                | OBS       | 00083       | 03.18           | 34.112      | 27.18       |                   | 1463.6      |      |     |       |     |     |      |    |
|                | OBS       | 00089       | 02.83           | 34.075      | 27.20       |                   | 1461.2      |      |     |       |     |     |      |    |
|                | OBS       | 00093       | 03.02           | 34.180      | 27.25       |                   | 1463.1      |      |     |       |     |     |      |    |
|                | OBS       | 00097       | 02.91           | 34.180      | 27.26       |                   | 1462.7      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 02.62           | 34.18       | 27.29       | 00.094            | 1461.5      |      |     |       |     |     |      |    |
|                | OBS       | 00100       | 02.59           | 34.180      | 27.29       |                   | 1461.4      |      |     |       |     |     |      |    |
|                | OBS       | 00104       | 02.40           | 34.190      | 27.28       |                   | 1462.4      |      |     |       |     |     |      |    |
|                | OBS       | 00118       | 02.50           | 34.180      | 27.30       |                   | 1461.3      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 02.73           | 34.29       | 27.37       | 00.113            | 1462.5      |      |     |       |     |     |      |    |
|                | OBS       | 00125       | 02.75           | 34.300      | 27.37       |                   | 1462.6      |      |     |       |     |     |      |    |
|                | OBS       | 00142       | 03.69           | 34.555      | 27.49       |                   | 1467.3      |      |     |       |     |     |      |    |
|                | OBS       | 00148       | 04.97           | 34.725      | 27.48       |                   | 1473.0      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 05.05           | 34.74       | 27.48       | 00.130            | 1473.4      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | 05.17           | 34.760      | 27.49       |                   | 1473.9      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | 05.42           | 34.810      | 27.50       |                   | 1475.4      |      |     |       |     |     |      |    |
|                | OBS       | 00196       | 05.44           | 34.850      | 27.53       |                   | 1475.8      |      |     |       |     |     |      |    |
|                | OBS       | 00199       | 05.04           | 34.780      | 27.52       |                   | 1474.2      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 05.05           | 34.78       | 27.52       | 00.161            | 1474.2      |      |     |       |     |     |      |    |
|                | OBS       | 00201       | 05.13           | 34.820      | 27.54       |                   | 1474.6      |      |     |       |     |     |      |    |
|                | OBS       | 00215       | 04.49           | 34.750      | 27.56       |                   | 1472.1      |      |     |       |     |     |      |    |
|                | OBS       | 00220       | 03.84           | 34.670      | 27.56       |                   | 1469.4      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 03.75           | 34.684      | 27.59       |                   | 1469.1      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 03.69           | 34.66       | 27.57       | 00.189            | 1469.2      |      |     |       |     |     |      |    |
|                | OBS       | 00255       | 03.66           | 34.660      | 27.57       |                   | 1469.2      |      |     |       |     |     |      |    |
|                | OBS       | 00270       | 03.55           | 34.670      | 27.59       |                   | 1469.0      |      |     |       |     |     |      |    |
|                | OBS       | 00274       | 03.63           | 34.670      | 27.59       |                   | 1469.4      |      |     |       |     |     |      |    |
|                | OBS       | 00285       | 04.84           | 34.860      | 27.60       |                   | 1474.9      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 05.13           | 34.96       | 27.65       | 00.215            | 1476.4      |      |     |       |     |     |      |    |
|                | OBS       | 00304       | 05.19           | 34.980      | 27.66       |                   | 1476.8      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 05.11           | 34.990      | 27.68       |                   | 1477.2      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 04.93           | 34.99       | 27.70       | 00.263            | 1477.3      |      |     |       |     |     |      |    |
|                | OBS       | 00401       | 04.92           | 34.990      | 27.70       |                   | 1477.3      |      |     |       |     |     |      |    |
|                | OBS       | 00437       | 04.72           | 34.960      | 27.70       |                   | 1477.0      |      |     |       |     |     |      |    |
|                | OBS       | 00445       | 04.11           | 34.880      | 27.70       |                   | 1474.5      |      |     |       |     |     |      |    |
|                | OBS       | 00451       | 03.90           | 34.850      | 27.70       |                   | 1473.7      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 04.06           | 34.86       | 27.69       | 00.308            | 1475.2      |      |     |       |     |     |      |    |
|                | OBS       | 00550       | 04.18           | 34.870      | 27.69       |                   | 1475.5      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.20           | 34.87       | 27.68       | 00.355            | 1477.4      |      |     |       |     |     |      |    |
|                | STD       | 00700       | 04.24           | 34.87       | 27.68       | 00.404            | 1479.2      |      |     |       |     |     |      |    |
|                | OBS       | 00706       | 04.24           | 34.870      | 27.68       |                   | 1479.4      |      |     |       |     |     |      |    |
|                | OBS       | 00753       | 04.01           | 34.870      | 27.70       |                   | 1479.2      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 03.85           | 34.85       | 27.70       | 00.452            | 1479.3      |      |     |       |     |     |      |    |
|                | OBS       | 00803       | 03.84           | 34.850      | 27.71       |                   | 1479.3      |      |     |       |     |     |      |    |
|                | OBS       | 00843       | 04.08           | 34.875      | 27.70       |                   | 1481.0      |      |     |       |     |     |      |    |
|                | OBS       | 00850       | 04.04           | 34.870      | 27.70       |                   | 1480.9      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 04.07           | 34.89       | 27.71       | 00.500            | 1481.9      |      |     |       |     |     |      |    |
|                | OBS       | 00908       | 04.07           | 34.890      | 27.71       |                   | 1482.0      |      |     |       |     |     |      |    |
|                | OBS       | 00953       | 04.02           | 34.875      | 27.71       |                   | 1482.4      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 03.93           | 34.87       | 27.71       | 00.548            | 1483.0      |      |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.93           | 34.870      | 27.71       |                   | 1483.0      |      |     |       |     |     |      |    |
|                | OBS       | 01022       | 03.96           | 34.870      | 27.71       |                   | 1483.4      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 04204 | AIR TEMP 04.9   | DIR HGT PER | WIND-DIR 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0068    | MONTH 04  | SHIP EV     | WET BULB 03.8   | 00 0 X      | WIND-SPD 08 | TRACE DIR D       | 5 SQUARE 3  |
| LAT 45 31.0N   | DAY 30    | DATA USE 1  | BAROMETR 1022.8 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 44 |
| LONG 044 54.3W | MONR 05.8 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 558      | 1 SQUARE 54 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | QXYG | PO4 | TGT P | NO2 | NO3 | SIO3 | PH |
|---------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 05.8          | STD   | 00000 | 04.09 | 33.50  | 26.60   | 00.000  | 1465.2  |      |     |       |     |     |      |    |
|               | OBS   | 00003 | 04.09 | 33.497 | 26.60   |         | 1465.3  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 04.09 | 33.61  | 26.69   | 00.014  | 1465.5  |      |     |       |     |     |      |    |
|               | OBS   | 00013 | 04.10 | 33.640 | 26.72   |         | 1465.7  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 04.14 | 33.65  | 26.72   | 00.027  | 1465.9  |      |     |       |     |     |      |    |
|               | OBS   | 00022 | 04.15 | 33.654 | 26.72   |         | 1466.0  |      |     |       |     |     |      |    |
|               | OBS   | 00024 | 04.09 | 33.630 | 26.71   |         | 1465.8  |      |     |       |     |     |      |    |
|               | OBS   | 00026 | 04.49 | 33.760 | 26.77   |         | 1467.7  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 04.60 | 33.74  | 26.76   | 00.041  | 1468.2  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 04.61 | 33.760 | 26.76   |         | 1468.2  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 04.28 | 33.83  | 26.85   | 00.066  | 1467.3  |      |     |       |     |     |      |    |
|               | OBS   | 00051 | 04.25 | 33.840 | 26.86   |         | 1467.2  |      |     |       |     |     |      |    |
|               | OBS   | 00057 | 04.11 | 33.827 | 26.86   |         | 1466.7  |      |     |       |     |     |      |    |
|               | OBS   | 00059 | 04.20 | 33.840 | 26.87   |         | 1467.1  |      |     |       |     |     |      |    |
|               | OBS   | 00062 | 04.20 | 33.833 | 26.86   |         | 1467.2  |      |     |       |     |     |      |    |
|               | OBS   | 00064 | 04.09 | 33.830 | 26.87   |         | 1466.7  |      |     |       |     |     |      |    |
|               | OBS   | 00066 | 03.85 | 33.800 | 26.87   |         | 1465.7  |      |     |       |     |     |      |    |
|               | OBS   | 00072 | 03.91 | 33.840 | 26.90   |         | 1466.1  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 04.22 | 33.90  | 26.91   | 00.095  | 1467.6  |      |     |       |     |     |      |    |
|               | OBS   | 00079 | 04.48 | 33.963 | 26.93   |         | 1468.8  |      |     |       |     |     |      |    |
|               | OBS   | 00087 | 04.06 | 33.940 | 26.98   |         | 1467.1  |      |     |       |     |     |      |    |
|               | OBS   | 00089 | 04.07 | 34.017 | 27.02   |         | 1467.3  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 04.92 | 34.17  | 27.05   | 00.123  | 1471.2  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 04.98 | 34.187 | 27.06   |         | 1471.5  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 05.83 | 34.47  | 27.17   | 00.147  | 1475.7  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 05.84 | 34.470 | 27.18   |         | 1475.8  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 05.83 | 34.51  | 27.21   | 00.170  | 1476.2  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 05.83 | 34.510 | 27.21   |         | 1476.2  |      |     |       |     |     |      |    |
|               | OBS   | 00175 | 05.63 | 34.525 | 27.25   |         | 1475.8  |      |     |       |     |     |      |    |
|               | OBS   | 00194 | 05.64 | 34.535 | 27.25   |         | 1476.2  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 05.35 | 34.52  | 27.28   | 00.213  | 1475.1  |      |     |       |     |     |      |    |
|               | OBS   | 00201 | 05.27 | 34.526 | 27.28   |         | 1474.8  |      |     |       |     |     |      |    |
|               | OBS   | 00215 | 04.84 | 34.530 | 27.34   |         | 1473.3  |      |     |       |     |     |      |    |
|               | OBS   | 00220 | 04.93 | 34.520 | 27.32   |         | 1473.7  |      |     |       |     |     |      |    |
|               | OBS   | 00226 | 04.63 | 34.526 | 27.34   |         | 1473.4  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 04.73 | 34.63  | 27.43   | 00.251  | 1473.5  |      |     |       |     |     |      |    |
|               | OBS   | 00253 | 04.72 | 34.640 | 27.44   |         | 1473.5  |      |     |       |     |     |      |    |
|               | OBS   | 00277 | 05.03 | 34.673 | 27.43   |         | 1475.3  |      |     |       |     |     |      |    |
|               | OBS   | 00281 | 04.41 | 34.593 | 27.44   |         | 1472.7  |      |     |       |     |     |      |    |
|               | OBS   | 00287 | 04.59 | 34.650 | 27.47   |         | 1473.6  |      |     |       |     |     |      |    |
|               | OBS   | 00293 | 04.27 | 34.653 | 27.51   |         | 1472.3  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 05.01 | 34.80  | 27.54   | 00.282  | 1475.7  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 05.06 | 34.810 | 27.54   |         | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00310 | 05.01 | 34.797 | 27.53   |         | 1475.9  |      |     |       |     |     |      |    |
|               | OBS   | 00316 | 04.04 | 34.660 | 27.53   |         | 1471.8  |      |     |       |     |     |      |    |
|               | OBS   | 00319 | 04.16 | 34.665 | 27.52   |         | 1472.3  |      |     |       |     |     |      |    |
|               | OBS   | 00323 | 03.97 | 34.660 | 27.54   |         | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00329 | 04.00 | 34.680 | 27.55   |         | 1471.8  |      |     |       |     |     |      |    |
|               | OBS   | 00333 | 04.52 | 34.800 | 27.59   |         | 1474.2  |      |     |       |     |     |      |    |
|               | OBS   | 00335 | 04.56 | 34.803 | 27.59   |         | 1474.5  |      |     |       |     |     |      |    |
|               | OBS   | 00342 | 03.96 | 34.730 | 27.60   |         | 1472.0  |      |     |       |     |     |      |    |
|               | OBS   | 00344 | 04.40 | 34.790 | 27.60   |         | 1473.9  |      |     |       |     |     |      |    |
|               | OBS   | 00350 | 04.68 | 34.827 | 27.60   |         | 1475.2  |      |     |       |     |     |      |    |
|               | OBS   | 00354 | 04.77 | 34.870 | 27.62   |         | 1475.7  |      |     |       |     |     |      |    |
|               | OBS   | 00369 | 03.18 | 34.645 | 27.61   |         | 1469.0  |      |     |       |     |     |      |    |
|               | OBS   | 00382 | 03.18 | 34.657 | 27.62   |         | 1469.2  |      |     |       |     |     |      |    |
|               | OBS   | 00388 | 02.84 | 34.640 | 27.63   |         | 1467.8  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 03.06 | 34.66  | 27.63   | 00.337  | 1469.0  |      |     |       |     |     |      |    |
|               | OBS   | 00401 | 03.08 | 34.660 | 27.63   |         | 1469.1  |      |     |       |     |     |      |    |
|               | OBS   | 00433 | 03.16 | 34.680 | 27.64   |         | 1470.3  |      |     |       |     |     |      |    |
|               | OBS   | 00454 | 03.20 | 34.673 | 27.63   |         | 1470.5  |      |     |       |     |     |      |    |
|               | OBS   | 00468 | 03.72 | 34.797 | 27.68   |         | 1473.1  |      |     |       |     |     |      |    |
|               | OBS   | 00470 | 03.75 | 34.806 | 27.67   |         | 1473.3  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 04.35 | 34.86  | 27.66   | 00.387  | 1476.4  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 04.36 | 34.860 | 27.66   |         | 1476.4  |      |     |       |     |     |      |    |
|               | OBS   | 00550 | 04.29 | 34.860 | 27.67   |         | 1477.0  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 04.18 | 34.88  | 27.69   | 00.435  | 1477.4  |      |     |       |     |     |      |    |
|               | OBS   | 00622 | 04.16 | 34.890 | 27.70   |         | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00651 | 04.15 | 34.870 | 27.69   |         | 1478.1  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 04.12 | 34.89  | 27.71   | 00.482  | 1478.8  |      |     |       |     |     |      |    |
|               | OBS   | 00706 | 04.11 | 34.896 | 27.71   |         | 1478.8  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 04.02 | 34.880 | 27.71   |         | 1479.2  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 03.93 | 34.86  | 27.70   | 00.529  | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00801 | 03.93 | 34.860 | 27.70   |         | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00809 | 04.04 | 34.880 | 27.71   |         | 1480.2  |      |     |       |     |     |      |    |
|               | OBS   | 00852 | 03.85 | 34.897 | 27.74   |         | 1480.2  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 03.79 | 34.88  | 27.73   | 00.576  | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 03.79 | 34.877 | 27.73   |         | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00949 | 03.75 | 34.877 | 27.74   |         | 1481.4  |      |     |       |     |     |      |    |
|               | OBS   | 00999 | 03.70 | 34.873 | 27.74   |         | 1482.0  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 03.70 | 34.88  | 27.74   | 00.621  | 1482.0  |      |     |       |     |     |      |    |
|               | OBS   | 01029 | 03.72 | 34.877 | 27.74   |         | 1482.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 0370  | YEAR 1974 | BDTOP 04425 | AIR TEMP 10.8   | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0069    | MONTH 04  | SHIP EV     | WET BULB 09.1   | 35 2 3      | WIND-SPD 18 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 45 28.5N   | DAY 30    | DATA USE 1  | BAROMETR 1002.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 44 |
| LONG 044 41.5W | HOOR 08.3 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 559      | 1 SQUARE 54 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNDPTH | SND VEL | DRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|---------------|-------|-------|-------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.3          | STD   | 00000 | 13.29 | 35.55 | 26.78   | 00.000  | 1502.5  |      |     |       |     |     |      |    |
|               | OBS   | 00001 | 13.29 | 35.55 | 26.78   |         | 1502.4  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 13.32 | 35.55 | 26.77   | 00.013  | 1502.8  |      |     |       |     |     |      |    |
|               | OBS   | 00011 | 13.33 | 35.56 | 26.78   |         | 1502.9  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 13.42 | 35.66 | 26.84   | 00.025  | 1503.4  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 13.44 | 35.67 | 26.84   |         | 1503.5  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 13.76 | 35.78 | 26.86   | 00.038  | 1504.9  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 13.78 | 35.79 | 26.86   |         | 1504.9  |      |     |       |     |     |      |    |
|               | OBS   | 00034 | 13.48 | 35.70 | 26.85   |         | 1503.9  |      |     |       |     |     |      |    |
|               | OBS   | 00036 | 13.44 | 35.70 | 26.86   |         | 1503.8  |      |     |       |     |     |      |    |
|               | OBS   | 00041 | 13.88 | 35.85 | 26.89   |         | 1505.5  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 13.62 | 35.85 | 26.88   | 00.062  | 1505.8  |      |     |       |     |     |      |    |
|               | OBS   | 00051 | 13.62 | 35.85 | 26.88   |         | 1505.8  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 13.91 | 35.90 | 26.92   | 00.091  | 1506.2  |      |     |       |     |     |      |    |
|               | OBS   | 00076 | 13.91 | 35.90 | 26.92   |         | 1506.2  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 13.87 | 35.90 | 26.93   | 00.120  | 1506.5  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 13.87 | 35.90 | 26.93   |         | 1506.5  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 13.69 | 35.83 | 26.91   | 00.150  | 1506.3  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 13.69 | 35.83 | 26.91   |         | 1506.3  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 13.55 | 35.82 | 26.94   | 00.179  | 1506.2  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 13.55 | 35.83 | 26.94   |         | 1506.2  |      |     |       |     |     |      |    |
|               | OBS   | 00178 | 13.30 | 35.82 | 26.98   |         | 1505.8  |      |     |       |     |     |      |    |
|               | OBS   | 00190 | 13.19 | 35.80 | 26.95   |         | 1505.6  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 12.54 | 35.64 | 27.00   | 00.236  | 1503.4  |      |     |       |     |     |      |    |
|               | OBS   | 00205 | 12.22 | 35.57 | 27.01   |         | 1502.3  |      |     |       |     |     |      |    |
|               | OBS   | 00222 | 11.50 | 35.45 | 27.05   |         | 1500.0  |      |     |       |     |     |      |    |
|               | OBS   | 00230 | 11.85 | 35.54 | 27.06   |         | 1501.4  |      |     |       |     |     |      |    |
|               | OBS   | 00241 | 11.81 | 35.56 | 27.08   |         | 1501.5  |      |     |       |     |     |      |    |
|               | OBS   | 00247 | 11.54 | 35.49 | 27.08   |         | 1500.6  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 11.53 | 35.49 | 27.08   | 00.291  | 1500.5  |      |     |       |     |     |      |    |
|               | OBS   | 00251 | 11.51 | 35.49 | 27.08   |         | 1500.5  |      |     |       |     |     |      |    |
|               | OBS   | 00264 | 10.95 | 35.34 | 27.07   |         | 1498.6  |      |     |       |     |     |      |    |
|               | OBS   | 00276 | 10.40 | 35.21 | 27.07   |         | 1496.6  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 10.23 | 35.32 | 27.18   | 00.341  | 1496.6  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 10.23 | 35.32 | 27.18   |         | 1496.6  |      |     |       |     |     |      |    |
|               | OBS   | 00314 | 10.20 | 35.31 | 27.18   |         | 1496.7  |      |     |       |     |     |      |    |
|               | OBS   | 00325 | 09.77 | 35.21 | 27.17   |         | 1495.2  |      |     |       |     |     |      |    |
|               | OBS   | 00327 | 09.72 | 35.21 | 27.18   |         | 1495.0  |      |     |       |     |     |      |    |
|               | OBS   | 00340 | 08.73 | 35.01 | 27.19   |         | 1491.3  |      |     |       |     |     |      |    |
|               | OBS   | 00344 | 08.59 | 34.99 | 27.20   |         | 1490.8  |      |     |       |     |     |      |    |
|               | OBS   | 00348 | 08.48 | 35.02 | 27.20   |         | 1491.2  |      |     |       |     |     |      |    |
|               | OBS   | 00356 | 09.14 | 35.15 | 27.23   |         | 1493.3  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 08.41 | 35.13 | 27.33   | 00.431  | 1491.2  |      |     |       |     |     |      |    |
|               | OBS   | 00401 | 08.37 | 35.12 | 27.33   |         | 1491.1  |      |     |       |     |     |      |    |
|               | OBS   | 00403 | 08.32 | 35.11 | 27.33   |         | 1490.9  |      |     |       |     |     |      |    |
|               | OBS   | 00426 | 07.91 | 35.01 | 27.32   |         | 1489.6  |      |     |       |     |     |      |    |
|               | OBS   | 00451 | 07.37 | 34.99 | 27.38   |         | 1487.9  |      |     |       |     |     |      |    |
|               | OBS   | 00487 | 06.91 | 34.93 | 27.40   |         | 1486.6  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 06.54 | 34.97 | 27.48   | 00.507  | 1485.4  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 06.53 | 34.97 | 27.48   |         | 1485.4  |      |     |       |     |     |      |    |
|               | OBS   | 00550 | 06.39 | 35.01 | 27.53   |         | 1485.7  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 06.01 | 35.00 | 27.57   | 00.572  | 1485.0  |      |     |       |     |     |      |    |
|               | OBS   | 00605 | 05.97 | 35.00 | 27.58   |         | 1484.9  |      |     |       |     |     |      |    |
|               | OBS   | 00651 | 05.50 | 35.00 | 27.63   |         | 1484.1  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 05.27 | 34.99 | 27.64   | 00.629  | 1483.7  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 05.27 | 34.99 | 27.64   |         | 1483.7  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 05.01 | 35.00 | 27.70   |         | 1483.4  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 04.93 | 35.01 | 27.71   | 00.680  | 1484.0  |      |     |       |     |     |      |    |
|               | OBS   | 00801 | 04.93 | 35.01 | 27.71   |         | 1484.0  |      |     |       |     |     |      |    |
|               | OBS   | 00850 | 04.81 | 35.01 | 27.73   |         | 1484.3  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 04.65 | 35.00 | 27.74   | 00.728  | 1484.5  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 04.65 | 35.00 | 27.74   |         | 1484.5  |      |     |       |     |     |      |    |
|               | OBS   | 00951 | 04.47 | 34.97 | 27.73   |         | 1484.3  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 04.45 | 34.99 | 27.75   | 00.774  | 1485.3  |      |     |       |     |     |      |    |
|               | OBS   | 01001 | 04.45 | 34.99 | 27.75   |         | 1485.3  |      |     |       |     |     |      |    |
|               | OBS   | 01020 | 04.35 | 34.97 | 27.75   |         | 1485.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03891 | AIR TEMP 06.0   | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0070    | MONTH 04  | SHIP EV     | NET BULB 05.0   | 23 1 3      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 45 54.6N   | DAY 30    | DATA USE 1  | BAROMETR 1017.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 44 |
| LONG 044 42.0W | HOUR 11.5 | AREA 05     | CLCUD T/A       | CL/7R       | WEATHER X2  | ORIG 011 560      | 1 SQUARE 54 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | DRYG | PD4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 11.5        | STD   | 00000 | 03.20 | 33.73  | 26.88   | 00.000  | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.20 | 33.735 | 26.88   |         | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.19 | 33.730 | 26.88   |         | 1461.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.27 | 33.75  | 26.89   | 00.012  | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.29 | 33.760 | 26.89   |         | 1462.4  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 04.04 | 33.930 | 26.95   |         | 1465.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.12 | 33.94  | 26.96   | 00.023  | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.13 | 33.947 | 26.96   |         | 1466.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.14 | 33.96  | 26.97   | 00.034  | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.15 | 33.963 | 26.97   |         | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 04.32 | 34.007 | 26.99   |         | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 03.99 | 34.130 | 27.12   |         | 1466.4  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 04.08 | 34.183 | 27.15   |         | 1466.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 04.12 | 34.19  | 27.15   | 00.055  | 1467.1  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | 04.96 | 34.310 | 27.15   |         | 1471.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 05.15 | 34.33  | 27.15   | 00.078  | 1472.0  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 05.20 | 34.330 | 27.14   |         | 1472.2  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 04.99 | 34.310 | 27.15   |         | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 04.40 | 34.220 | 27.15   |         | 1468.9  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 04.76 | 34.330 | 27.19   |         | 1470.6  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 04.63 | 34.310 | 27.19   |         | 1470.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.99 | 34.23  | 27.20   | 00.101  | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 03.81 | 34.210 | 27.20   |         | 1466.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.10 | 34.38  | 27.41   | 00.120  | 1466.2  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.08 | 34.387 | 27.41   |         | 1466.2  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 02.90 | 34.375 | 27.42   |         | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00135 | 02.04 | 34.310 | 27.44   |         | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.89 | 34.42  | 27.54   | 00.136  | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 01.89 | 34.420 | 27.54   |         | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 02.34 | 34.465 | 27.54   |         | 1461.9  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 02.30 | 34.450 | 27.53   |         | 1461.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.31 | 34.53  | 27.55   | 00.163  | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 02.31 | 34.530 | 27.59   |         | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00217 | 02.51 | 34.540 | 27.58   |         | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 03.39 | 34.660 | 27.60   |         | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 03.49 | 34.673 | 27.60   |         | 1468.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.17 | 34.66  | 27.62   | 00.189  | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 03.16 | 34.660 | 27.62   |         | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 03.16 | 34.715 | 27.66   |         | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00297 | 04.99 | 35.000 | 27.70   |         | 1475.9  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.03 | 35.00  | 27.69   | 00.212  | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.04 | 35.000 | 27.69   |         | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00331 | 05.07 | 34.995 | 27.68   |         | 1476.7  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.51 | 34.90  | 27.68   | 00.258  | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00493 | 04.40 | 34.880 | 27.67   |         | 1476.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.44 | 34.89  | 27.67   | 00.306  | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00512 | 04.47 | 34.890 | 27.67   |         | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 04.23 | 34.870 | 27.68   |         | 1476.8  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.24 | 34.88  | 27.69   | 00.354  | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00611 | 04.24 | 34.880 | 27.69   |         | 1477.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.17 | 34.87  | 27.69   | 00.402  | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00713 | 04.15 | 34.870 | 27.69   |         | 1479.1  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.11 | 34.880 | 27.70   |         | 1479.5  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.91 | 34.86  | 27.70   | 00.451  | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.91 | 34.855 | 27.70   |         | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.95 | 34.870 | 27.71   |         | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.86 | 34.86  | 27.71   | 00.498  | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.86 | 34.855 | 27.71   |         | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.81 | 34.860 | 27.72   |         | 1481.8  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.76 | 34.88  | 27.74   | 00.545  | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.76 | 34.880 | 27.74   |         | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 03.72 | 34.890 | 27.75   |         | 1482.5  |      |     |       |     |     |      |    |

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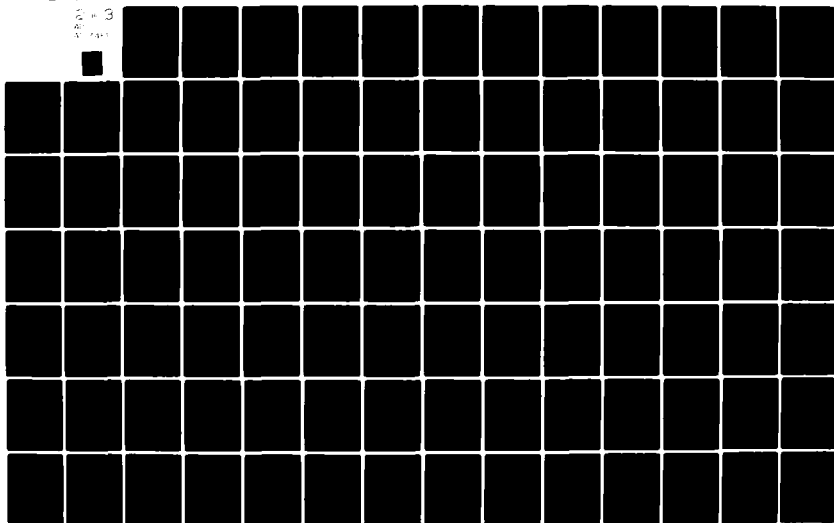
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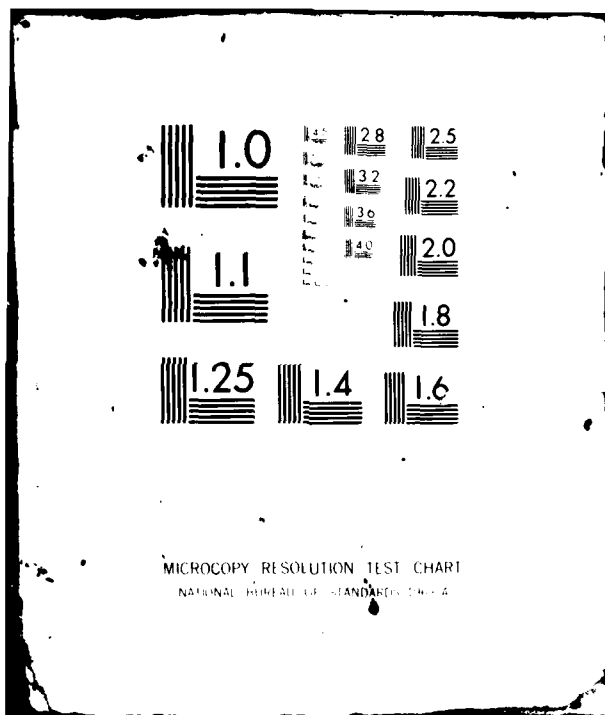
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 02431 | ATA TEMP 06.4   | DIR MGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0071    | MONTH 04  | SHIP EV     | WEI BULB 05.5   | 22 1 2      | WIND-SPD 07 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 44 19.0N   | DAY 30    | DATA USE 1  | BAROMETR 1013.9 | SEA         | WIND-FOR    | DURATION 00.8     | 2 SQUARE 64 |
| LONG 044 44.0W | HOOR 14.4 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 5610009  | 1 SQUARE 64 |

|             |         |       |       |        |         |         |         |      |     |       |     |     |      |    |
|-------------|---------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| CASNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | S103 | PH |
| 14.4        | STD     | 00000 | 01.01 | 33.29  | 26.69   | 00.000  | 1451.5  |      |     |       |     |     |      |    |
|             | OBS     | 00001 | 01.01 | 33.296 | 26.69   |         | 1451.5  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 01.00 | 33.30  | 26.70   | 00.014  | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00011 | 00.99 | 33.300 | 26.70   |         | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00013 | 00.97 | 33.283 | 26.69   |         | 1451.5  |      |     |       |     |     |      |    |
|             | OBS     | 00017 | 00.83 | 33.340 | 26.74   |         | 1451.0  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 00.92 | 33.66  | 27.00   | 00.026  | 1451.9  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 01.01 | 33.735 | 27.05   |         | 1452.5  |      |     |       |     |     |      |    |
|             | OBS     | 00024 | 01.72 | 33.920 | 27.15   |         | 1456.0  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 01.77 | 33.97  | 27.19   | 00.035  | 1456.3  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 01.77 | 33.975 | 27.19   |         | 1456.3  |      |     |       |     |     |      |    |
|             | OBS     | 00041 | 01.64 | 34.150 | 27.34   |         | 1456.2  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 01.83 | 34.19  | 27.36   | 00.052  | 1457.2  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | 01.85 | 34.193 | 27.36   |         | 1457.3  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 01.87 | 34.28  | 27.43   | 00.069  | 1457.9  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | 01.87 | 34.283 | 27.43   |         | 1458.0  |      |     |       |     |     |      |    |
|             | OBS     | 00079 | 02.02 | 34.300 | 27.43   |         | 1458.7  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 02.04 | 34.46  | 27.55   | 00.084  | 1459.3  |      |     |       |     |     |      |    |
|             | OBS     | 00100 | 02.05 | 34.460 | 27.56   |         | 1459.4  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 02.35 | 34.52  | 27.56   | 00.098  | 1462.1  |      |     |       |     |     |      |    |
|             | OBS     | 00125 | 02.36 | 34.520 | 27.56   |         | 1462.1  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 02.94 | 34.65  | 27.63   | 00.111  | 1464.3  |      |     |       |     |     |      |    |
|             | OBS     | 00159 | 03.03 | 34.665 | 27.64   |         | 1464.9  |      |     |       |     |     |      |    |
|             | OBS     | 00175 | 03.09 | 34.660 | 27.63   |         | 1465.4  |      |     |       |     |     |      |    |
|             | OBS     | 00188 | 03.38 | 34.760 | 27.68   |         | 1467.0  |      |     |       |     |     |      |    |
|             | OBS     | 00190 | 03.38 | 34.760 | 27.68   |         | 1467.0  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 03.49 | 34.77  | 27.68   | 00.134  | 1467.7  |      |     |       |     |     |      |    |
|             | OBS     | 00215 | 03.65 | 34.790 | 27.68   |         | 1468.4  |      |     |       |     |     |      |    |
|             | OBS     | 00226 | 03.75 | 34.800 | 27.67   |         | 1469.3  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 03.82 | 34.81  | 27.67   | 00.156  | 1469.9  |      |     |       |     |     |      |    |
|             | OBS     | 00251 | 03.82 | 34.810 | 27.68   |         | 1470.0  |      |     |       |     |     |      |    |
|             | OBS     | 00277 | 03.93 | 34.870 | 27.71   |         | 1471.0  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 03.95 | 34.89  | 27.72   | 00.178  | 1471.4  |      |     |       |     |     |      |    |
|             | OBS     | 00302 | 03.95 | 34.890 | 27.73   |         | 1471.5  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 03.90 | 34.88  | 27.72   | 00.219  | 1472.9  |      |     |       |     |     |      |    |
|             | OBS     | 00401 | 03.90 | 34.880 | 27.72   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS     | 00453 | 03.86 | 34.890 | 27.73   |         | 1473.4  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 03.82 | 34.88  | 27.73   | 00.261  | 1474.2  |      |     |       |     |     |      |    |
|             | OBS     | 00500 | 03.82 | 34.880 | 27.73   |         | 1474.2  |      |     |       |     |     |      |    |
|             | OBS     | 00550 | 03.81 | 34.880 | 27.73   |         | 1475.0  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 03.73 | 34.87  | 27.73   | 00.304  | 1475.5  |      |     |       |     |     |      |    |
|             | OBS     | 00601 | 03.73 | 34.870 | 27.73   |         | 1475.5  |      |     |       |     |     |      |    |
|             | OBS     | 00652 | 03.70 | 34.880 | 27.74   |         | 1476.2  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 03.70 | 34.88  | 27.74   | 00.346  | 1477.0  |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 03.70 | 34.880 | 27.74   |         | 1477.0  |      |     |       |     |     |      |    |
|             | OBS     | 00751 | 03.63 | 34.870 | 27.74   |         | 1477.5  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 03.56 | 34.87  | 27.75   | 00.389  | 1478.1  |      |     |       |     |     |      |    |
|             | OBS     | 00801 | 03.56 | 34.870 | 27.75   |         | 1478.1  |      |     |       |     |     |      |    |
|             | OBS     | 00852 | 03.54 | 34.870 | 27.75   |         | 1478.8  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 03.54 | 34.87  | 27.75   | 00.432  | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 03.54 | 34.870 | 27.75   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00951 | 03.54 | 34.870 | 27.75   |         | 1480.5  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 03.54 | 34.87  | 27.75   | 00.475  | 1481.3  |      |     |       |     |     |      |    |
|             | OBS     | 01001 | 03.54 | 34.870 | 27.75   |         | 1481.3  |      |     |       |     |     |      |    |
|             | OBS     | 01024 | 03.54 | 34.870 | 27.75   |         | 1481.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00765 AIA TEMP 06.1 DIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1304  
 CONSEC 0072 MONTH 04 SHIP EV NET BULB 06.1 WIND-SPD 20 TRACE DIR 0 5 SQUARE 3  
 LAT 44 26.8N DAY 30 DATA USE 1 BAROMETR 1017.3 SEA CL/TR WIND-FOR X6 DURATION 00.3 2 SQUARE 64  
 LONG 044 42.0W HOUR 18.3 AREA 05 CLOUD T/A WEATHER X6 ORIG 011 5620008 1 SQUARE 64

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 18.3        | STD   | 00000 | 00.71 | 33.27  | 26.70   | 00.000 | 1450.1  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 00.71 | 33.270 | 26.70   |        | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 00.69 | 33.284 | 26.70   |        | 1450.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.70 | 33.27  | 26.70   | 00.014 | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 00.71 | 33.270 | 26.70   |        | 1450.3  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 00.74 | 33.433 | 26.83   |        | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 01.08 | 33.750 | 27.06   |        | 1452.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.28 | 33.77  | 27.06   | 00.025 | 1453.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.32 | 33.770 | 27.06   |        | 1453.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.33 | 33.76  | 27.05   | 00.036 | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.33 | 33.760 | 27.05   |        | 1454.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.54 | 34.07  | 27.29   | 00.054 | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.55 | 34.090 | 27.30   |        | 1455.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.58 | 34.24  | 27.44   | 00.072 | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 01.59 | 34.270 | 27.44   |        | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.81 | 34.31  | 27.45   | 00.088 | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 01.82 | 34.310 | 27.45   |        | 1458.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.89 | 34.46  | 27.57   | 00.103 | 1459.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.89 | 34.460 | 27.57   |        | 1459.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.03 | 34.53  | 27.61   | 00.116 | 1460.2  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 02.04 | 34.530 | 27.61   |        | 1460.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 02.57 | 34.614 | 27.63   |        | 1463.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.04 | 34.68  | 27.64   | 00.140 | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 03.04 | 34.680 | 27.65   |        | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00207 | 03.02 | 34.670 | 27.64   |        | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00234 | 03.32 | 34.750 | 27.68   |        | 1467.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.74 | 34.79  | 27.64   | 00.163 | 1469.6  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 03.77 | 34.790 | 27.64   |        | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 03.98 | 34.880 | 27.71   |        | 1471.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.04 | 34.87  | 27.70   | 00.185 | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.04 | 34.870 | 27.70   |        | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 03.91 | 34.870 | 27.71   |        | 1472.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.84 | 34.88  | 27.73   | 00.228 | 1472.6  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.84 | 34.880 | 27.73   |        | 1472.6  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.79 | 34.890 | 27.74   |        | 1473.3  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.75 | 34.88  | 27.74   | 00.269 | 1473.9  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.75 | 34.880 | 27.74   |        | 1473.9  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.72 | 34.860 | 27.74   |        | 1474.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.72 | 34.88  | 27.74   | 00.311 | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.72 | 34.880 | 27.74   |        | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.66 | 34.870 | 27.74   |        | 1476.0  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.63 | 34.87  | 27.74   | 00.353 | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.63 | 34.870 | 27.74   |        | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.61 | 34.870 | 27.74   |        | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00791 | 03.59 | 34.870 | 27.75   |        | 1478.0  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00320 AIA TEMP 06.0 DIR HGT PER WIND-DIR 19 INST STD RECORDER TEN SQ 1306  
 CONSEC 0073 MONTH 04 SHIP EV NET BULB 05.7 WIND-SPD 15 TRACE DIR 0 5 SQUARE 3  
 LAT 44 31.8N DAY 30 DATA USE 1 BAROMETR 1006.1 SEA CL/TR WIND-FOR X6 DURATION 00.2 2 SQUARE 64  
 LONG 044 43.0W HOUR 19.2 AREA 05 CLOUD T/A WEATHER X6 ORIG 011 563 1 SQUARE 64

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 19.2        | STD   | 00000 | 00.68 | 33.27  | 26.70   | 00.000 | 1450.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 00.68 | 33.270 | 26.70   |        | 1450.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.68 | 33.28  | 26.71   | 00.014 | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 00.68 | 33.280 | 26.71   |        | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.69 | 33.27  | 26.71   | 00.027 | 1449.5  |      |     |       |     |     |      |    |
|             | OBS   | 00025 | 00.34 | 33.270 | 26.72   |        | 1448.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 00.25 | 33.47  | 26.88   | 00.040 | 1448.8  |      |     |       |     |     |      |    |
|             | OBS   | 00033 | 00.20 | 33.570 | 26.96   |        | 1448.8  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.69 | 33.800 | 27.12   |        | 1451.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.89 | 33.85  | 27.15   | 00.061 | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 00.89 | 33.850 | 27.15   |        | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00052 | 00.89 | 34.061 | 27.32   |        | 1452.5  |      |     |       |     |     |      |    |
|             | OBS   | 00063 | 01.94 | 34.191 | 27.35   |        | 1457.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.99 | 34.19  | 27.35   | 00.081 | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 01.99 | 34.191 | 27.35   |        | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 02.05 | 34.291 | 27.42   |        | 1458.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.86 | 34.35  | 27.48   | 00.098 | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 01.86 | 34.351 | 27.48   |        | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00103 | 02.15 | 34.421 | 27.52   |        | 1459.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.89 | 34.45  | 27.56   | 00.113 | 1459.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.89 | 34.451 | 27.56   |        | 1459.1  |      |     |       |     |     |      |    |
|             | OBS   | 00128 | 02.02 | 34.451 | 27.55   |        | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.96 | 34.47  | 27.57   | 00.126 | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 01.96 | 34.471 | 27.57   |        | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 02.22 | 34.554 | 27.62   |        | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00194 | 03.58 | 34.752 | 27.65   |        | 1467.9  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.73 | 34.82  | 27.65   | 00.150 | 1468.8  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 03.73 | 34.822 | 27.65   |        | 1468.8  |      |     |       |     |     |      |    |
|             | OBS   | 00225 | 03.89 | 34.844 | 27.65   |        | 1469.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.91 | 34.84  | 27.69   | 00.172 | 1470.4  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 03.91 | 34.842 | 27.69   |        | 1470.4  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 03.96 | 34.85  | 27.70   | 00.193 | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 03.96 | 34.852 | 27.70   |        | 1471.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID: 31 8370 | YEAR 1974 | BOTDP 00146 | AIR TEMP 06.0    | DIR HGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0074    | MONTH 04  | SHIP EV     | WET BULB 05.7    | 20 2 3      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 44 43.0N   | DAY 30    | DATA USE 1  | BAROMETER 1001.9 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 64 |
| LONG 044 43.0W | HOUR 20.2 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER     | CRIG 011 564      | 1 SQUARE 64 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 20.2        | STD   | 00000 | 01.27 | 33.43  | 26.79   | 00.000  | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 01.27 | 33.430 | 26.79   |         | 1452.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.27 | 33.43  | 26.79   | 00.013  | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.28 | 33.435 | 26.79   |         | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 01.30 | 33.420 | 26.78   |         | 1453.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.35 | 33.60  | 26.91   | 00.025  | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.58 | 33.430 | 26.93   |         | 1454.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.41 | 33.69  | 26.98   | 00.036  | 1455.2  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.42 | 33.727 | 27.00   |         | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 01.08 | 33.843 | 27.13   |         | 1453.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.11 | 33.85  | 27.13   | 00.056  | 1453.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.12 | 33.850 | 27.14   |         | 1453.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.21 | 33.98  | 27.23   | 00.079  | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 01.21 | 33.980 | 27.23   |         | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 01.25 | 33.990 | 27.24   |         | 1455.0  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 01.33 | 34.070 | 27.30   |         | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 01.42 | 34.080 | 27.29   |         | 1456.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.70 | 34.09  | 27.29   | 00.099  | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 01.71 | 34.090 | 27.29   |         | 1457.4  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID: 31 8370 | YEAR 1974 | BOTDP 00145 | AIR TEMP 05.3    | DIR HGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0075    | MONTH 04  | SHIP EV     | WET BULB 04.5    | 27 3 3      | WIND-SPD 30 | TRACE DIR 0       | 5 SQUARE 3  |
| LAT 47 01.0N   | DAY 30    | DATA USE 1  | BAROMETER 1001.9 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 64 |
| LONG 044 44.0W | HOUR 22.5 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER     | CRIG 011 565      | 1 SQUARE 74 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.5        | STD   | 00000 | 02.03 | 33.74  | 26.98   | 00.000  | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 02.03 | 33.739 | 26.98   |         | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 02.03 | 33.730 | 26.98   |         | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.03 | 33.74  | 26.98   | 00.011  | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.02 | 33.740 | 26.98   |         | 1456.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.94 | 33.77  | 27.02   | 00.022  | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.93 | 33.760 | 27.02   |         | 1456.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.88 | 33.85  | 27.08   | 00.032  | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.88 | 33.850 | 27.08   |         | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.76 | 33.85  | 27.09   | 00.051  | 1456.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.75 | 33.852 | 27.09   |         | 1456.4  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 01.98 | 33.840 | 27.07   |         | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 01.75 | 33.940 | 27.16   |         | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.78 | 33.97  | 27.19   | 00.075  | 1457.1  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 01.79 | 33.976 | 27.19   |         | 1457.2  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 01.58 | 34.037 | 27.25   |         | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.59 | 34.07  | 27.28   | 00.096  | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 01.60 | 34.080 | 27.29   |         | 1456.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.92 | 34.18  | 27.34   | 00.116  | 1458.8  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.92 | 34.180 | 27.34   |         | 1458.9  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 01.92 | 34.180 | 27.34   |         | 1459.1  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID: 31 8370 | YEAR 1974 | BOTDP 00182 | AIR TEMP 02.5    | DIR HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0076    | MONTH 05  | SHIP EV     | WET BULB 02.5    | 22 3 3      | WIND-SPD 32 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 58.2N   | DAY 01    | DATA USE 1  | BAROMETER 1005.8 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 64 |
| LONG 045 15.0W | HOUR 02.5 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER     | CRIG 011 566      | 1 SQUARE 65 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 02.5        | STD   | 00000 | 02.30 | 33.77  | 26.99   | 00.000  | 1457.9  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 02.30 | 33.776 | 26.99   |         | 1458.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.29 | 33.77  | 26.98   | 00.011  | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.29 | 33.767 | 26.98   |         | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 02.29 | 33.765 | 26.98   |         | 1458.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.30 | 33.77  | 26.98   | 00.022  | 1458.2  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.30 | 33.770 | 26.99   |         | 1458.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.24 | 33.84  | 27.04   | 00.032  | 1458.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.24 | 33.840 | 27.05   |         | 1458.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.14 | 33.96  | 27.15   | 00.052  | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.14 | 33.970 | 27.16   |         | 1458.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.12 | 33.98  | 27.17   | 00.075  | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.12 | 33.980 | 27.17   |         | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 02.11 | 33.975 | 27.16   |         | 1458.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.26 | 34.09  | 27.24   | 00.097  | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.27 | 34.090 | 27.24   |         | 1459.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.35 | 34.10  | 27.24   | 00.118  | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.36 | 34.100 | 27.24   |         | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00137 | 02.46 | 34.200 | 27.30   |         | 1462.3  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.46 | 34.18  | 27.30   | 00.138  | 1461.6  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 02.46 | 34.177 | 27.30   |         | 1461.6  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 02.41 | 34.305 | 27.39   |         | 1462.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00290 | AIR TEMP 01.4    | DIR MGT PER | WIND-DIR 29 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0077    | MONTH 05  | SHIP EV     | WET BULB 00.9    | 28 4 2      | WIND-SPD 22 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 01.0N   | DAY 01    | DATA USE 1  | BAROMETER 1009.4 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 64 |
| LONG 045 50.0W | HOOR 06.1 | AREA 05     | CLCUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 567      | 1 SQUARE 75 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.1        | STD   | 00000 | 00.23 | 32.84  | 26.38   | 00.000  | 1447.3  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 00.23 | 32.840 | 26.38   |         | 1447.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 00.28 | 32.91  | 26.43   | 00.016  | 1447.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 00.29 | 32.915 | 26.43   |         | 1447.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.38 | 32.92  | 26.43   | 00.032  | 1448.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 00.41 | 32.935 | 26.44   |         | 1448.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 00.89 | 33.11  | 26.56   | 00.048  | 1451.2  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 01.05 | 33.275 | 26.68   |         | 1452.2  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.19 | 33.444 | 26.80   |         | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 01.55 | 33.505 | 26.83   |         | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 01.62 | 33.510 | 26.83   |         | 1455.2  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 02.23 | 33.970 | 27.15   |         | 1458.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.82 | 34.04  | 27.16   | 00.072  | 1461.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.88 | 34.066 | 27.17   |         | 1461.7  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 02.45 | 34.090 | 27.23   |         | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 02.62 | 34.107 | 27.23   |         | 1460.8  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 03.09 | 34.170 | 27.24   |         | 1463.0  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 03.15 | 34.180 | 27.24   |         | 1463.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.97 | 34.17  | 27.25   | 00.094  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.95 | 34.170 | 27.25   |         | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 02.96 | 34.175 | 27.25   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | 02.87 | 34.186 | 27.26   |         | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 02.51 | 34.206 | 27.28   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 02.73 | 34.206 | 27.29   |         | 1462.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.85 | 34.21  | 27.29   | 00.114  | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 02.95 | 34.223 | 27.29   |         | 1463.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.09 | 34.32  | 27.35   | 00.134  | 1464.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.10 | 34.326 | 27.36   |         | 1464.2  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 03.39 | 34.426 | 27.41   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 03.63 | 34.447 | 27.41   |         | 1467.0  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.68 | 34.46  | 27.41   | 00.151  | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 03.70 | 34.476 | 27.42   |         | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00163 | 03.65 | 34.476 | 27.42   |         | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00167 | 03.38 | 34.450 | 27.43   |         | 1466.2  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 03.59 | 34.530 | 27.48   |         | 1467.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 03.60 | 34.520 | 27.47   |         | 1467.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.39 | 34.73  | 27.55   | 00.183  | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 04.50 | 34.760 | 27.56   |         | 1472.0  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.72 | 34.800 | 27.57   |         | 1473.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.54 | 34.80  | 27.59   | 00.210  | 1473.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.53 | 34.795 | 27.59   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 04.29 | 34.800 | 27.62   |         | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00287 | 04.24 | 34.816 | 27.63   |         | 1472.3  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00327 | AIR TEMP 01.8    | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0078    | MONTH 05  | SHIP EV     | WET BULB 01.2    | 28 3 2      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.8N   | DAY 01    | DATA USE 1  | BAROMETER 1013.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 046 09.8W | HOOR 07.8 | AREA 05     | CLCUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 568      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.8        | STD   | 00000 | 01.62 | 33.38  | 26.73   | 00.000  | 1454.4  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 01.62 | 33.380 | 26.73   |         | 1454.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.62 | 33.38  | 26.73   | 00.013  | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.62 | 33.380 | 26.73   |         | 1454.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.62 | 33.38  | 26.73   | 00.027  | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 01.62 | 33.380 | 26.73   |         | 1454.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.62 | 33.38  | 26.73   | 00.040  | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.62 | 33.385 | 26.73   |         | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 01.53 | 33.400 | 26.75   |         | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 01.60 | 33.630 | 26.93   |         | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 01.99 | 33.890 | 27.11   |         | 1457.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.38 | 33.96  | 27.15   | 00.063  | 1459.3  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 03.22 | 34.105 | 27.17   |         | 1463.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.23 | 34.17  | 27.22   | 00.085  | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.23 | 34.170 | 27.22   |         | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 03.20 | 34.176 | 27.23   |         | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 02.74 | 34.105 | 27.22   |         | 1461.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.88 | 34.18  | 27.27   | 00.106  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.89 | 34.190 | 27.27   |         | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.79 | 34.17  | 27.27   | 00.127  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | 02.79 | 34.170 | 27.26   |         | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.84 | 34.29  | 27.35   | 00.146  | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 02.84 | 34.290 | 27.36   |         | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 03.36 | 34.430 | 27.42   |         | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 03.43 | 34.450 | 27.43   |         | 1466.7  |      |     |       |     |     |      |    |
|             | OBS   | 00184 | 03.65 | 34.460 | 27.41   |         | 1467.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.04 | 34.59  | 27.48   | 00.181  | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 04.10 | 34.615 | 27.49   |         | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.25 | 34.676 | 27.52   |         | 1471.2  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.36 | 34.67  | 27.51   | 00.212  | 1472.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.36 | 34.670 | 27.51   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.34 | 34.780 | 27.60   |         | 1472.5  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.31 | 34.80  | 27.62   | 00.240  | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.31 | 34.805 | 27.62   |         | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00319 | 04.31 | 34.804 | 27.62   |         | 1473.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |        |           |             |                |             |             |                   |             |     |       |     |     |      |    |
|----------------|--------|-----------|-------------|----------------|-------------|-------------|-------------------|-------------|-----|-------|-----|-----|------|----|
| REFID 31       | 8370   | YEAR 1974 | 80TOP 00355 | AIN TEMP 02.0  | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEM SQ 1300 |     |       |     |     |      |    |
| CONSEC 0079    |        | MONTH 05  | SHIP EV     | WET BULB 01.8  | 31 2 2      | WIND-SPD 13 | TRACE DIR 0       | 5 SQUARE 4  |     |       |     |     |      |    |
| LAT 46 59.0N   |        | DAY 01    | DATA USE 1  | 80KMETR 1002.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |     |       |     |     |      |    |
| LONG 046 30.0W |        | HOUR 09.5 | AREA 05     | CLCUD T/A      | CL/TR       | WEATHER X2  | ORIG 011 5490015  | 1 SQUARE 66 |     |       |     |     |      |    |
| CASSTNUN/TIME  | LVLTYP | DEPTH     | TEMP        | SAL            | SIGMA-T     | DYNDPTH     | SND VEL           | ORYG        | PO4 | TOT P | NO2 | NO3 | S103 | PH |
| 09.5           | STD    | 00000     | 01.50       | 33.38          | 26.73       | 00.000      | 1453.8            |             |     |       |     |     |      |    |
|                | OBS    | 00001     | 01.50       | 33.380         | 26.73       |             | 1453.9            |             |     |       |     |     |      |    |
|                | STD    | 00010     | 01.50       | 33.38          | 26.73       | 00.013      | 1454.0            |             |     |       |     |     |      |    |
|                | OBS    | 00011     | 01.50       | 33.380         | 26.73       |             | 1454.0            |             |     |       |     |     |      |    |
|                | STD    | 00020     | 01.55       | 33.39          | 26.74       | 00.026      | 1454.4            |             |     |       |     |     |      |    |
|                | OBS    | 00020     | 01.56       | 33.390         | 26.74       |             | 1454.5            |             |     |       |     |     |      |    |
|                | STD    | 00030     | 01.62       | 33.42          | 26.74       | 00.040      | 1455.8            |             |     |       |     |     |      |    |
|                | OBS    | 00030     | 01.63       | 33.430         | 26.75       |             | 1455.5            |             |     |       |     |     |      |    |
|                | OBS    | 00040     | 01.96       | 33.730         | 26.98       |             | 1457.0            |             |     |       |     |     |      |    |
|                | OBS    | 00043     | 02.57       | 33.960         | 27.12       |             | 1460.1            |             |     |       |     |     |      |    |
|                | OBS    | 00049     | 02.79       | 33.970         | 27.10       |             | 1461.1            |             |     |       |     |     |      |    |
|                | STD    | 00050     | 02.79       | 33.99          | 27.12       | 00.062      | 1461.1            |             |     |       |     |     |      |    |
|                | OBS    | 00053     | 02.76       | 34.100         | 27.21       |             | 1461.2            |             |     |       |     |     |      |    |
|                | STD    | 00075     | 02.93       | 34.18          | 27.26       | 00.085      | 1462.4            |             |     |       |     |     |      |    |
|                | OBS    | 00076     | 02.94       | 34.180         | 27.26       |             | 1462.5            |             |     |       |     |     |      |    |
|                | STD    | 00100     | 03.14       | 34.25          | 27.29       | 00.105      | 1463.8            |             |     |       |     |     |      |    |
|                | OBS    | 00102     | 03.20       | 34.260         | 27.30       |             | 1464.2            |             |     |       |     |     |      |    |
|                | OBS    | 00112     | 03.46       | 34.320         | 27.32       |             | 1465.5            |             |     |       |     |     |      |    |
|                | OBS    | 00118     | 03.14       | 34.300         | 27.34       |             | 1464.2            |             |     |       |     |     |      |    |
|                | OBS    | 00121     | 03.22       | 34.320         | 27.34       |             | 1464.6            |             |     |       |     |     |      |    |
|                | STD    | 00125     | 03.40       | 34.32          | 27.33       | 00.124      | 1465.5            |             |     |       |     |     |      |    |
|                | OBS    | 00125     | 03.43       | 34.320         | 27.32       |             | 1465.6            |             |     |       |     |     |      |    |
|                | OBS    | 00133     | 03.50       | 34.330         | 27.33       |             | 1466.0            |             |     |       |     |     |      |    |
|                | OBS    | 00137     | 03.77       | 34.450         | 27.39       |             | 1467.4            |             |     |       |     |     |      |    |
|                | OBS    | 00139     | 03.86       | 34.460         | 27.39       |             | 1467.8            |             |     |       |     |     |      |    |
|                | OBS    | 00144     | 04.25       | 34.536         | 27.41       |             | 1469.7            |             |     |       |     |     |      |    |
|                | STD    | 00150     | 04.37       | 34.53          | 27.39       | 00.143      | 1470.3            |             |     |       |     |     |      |    |
|                | OBS    | 00150     | 04.38       | 34.536         | 27.39       |             | 1470.3            |             |     |       |     |     |      |    |
|                | OBS    | 00159     | 04.34       | 34.540         | 27.41       |             | 1470.3            |             |     |       |     |     |      |    |
|                | OBS    | 00165     | 03.56       | 34.460         | 27.41       |             | 1467.0            |             |     |       |     |     |      |    |
|                | OBS    | 00173     | 03.27       | 34.470         | 27.46       |             | 1465.5            |             |     |       |     |     |      |    |
|                | OBS    | 00177     | 03.84       | 34.540         | 27.46       |             | 1468.3            |             |     |       |     |     |      |    |
|                | OBS    | 00182     | 04.65       | 34.650         | 27.46       |             | 1472.1            |             |     |       |     |     |      |    |
|                | STD    | 00200     | 04.79       | 34.75          | 27.52       | 00.175      | 1473.1            |             |     |       |     |     |      |    |
|                | OBS    | 00201     | 04.81       | 34.760         | 27.53       |             | 1473.2            |             |     |       |     |     |      |    |
|                | OBS    | 00205     | 04.74       | 34.780         | 27.55       |             | 1473.0            |             |     |       |     |     |      |    |
|                | OBS    | 00209     | 04.74       | 34.770         | 27.54       |             | 1473.1            |             |     |       |     |     |      |    |
|                | OBS    | 00220     | 04.59       | 34.810         | 27.59       |             | 1472.7            |             |     |       |     |     |      |    |
|                | OBS    | 00228     | 04.70       | 34.810         | 27.58       |             | 1473.3            |             |     |       |     |     |      |    |
|                | STD    | 00250     | 04.50       | 34.80          | 27.60       | 00.204      | 1472.8            |             |     |       |     |     |      |    |
|                | OBS    | 00251     | 04.49       | 34.800         | 27.60       |             | 1472.8            |             |     |       |     |     |      |    |
|                | OBS    | 00276     | 04.33       | 34.860         | 27.66       |             | 1472.6            |             |     |       |     |     |      |    |
|                | STD    | 00300     | 04.42       | 34.85          | 27.64       | 00.229      | 1473.4            |             |     |       |     |     |      |    |
|                | OBS    | 00300     | 04.42       | 34.854         | 27.64       |             | 1473.4            |             |     |       |     |     |      |    |
|                | OBS    | 00346     | 04.16       | 34.860         | 27.68       |             | 1473.0            |             |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 01134 | AIR TEMP 01.2   | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0080    | MONTH 05  | SHIP EV     | WET BULB 00.8   | 31 2 2      | WIND-SPD 09 | TRACE DIR         | 5 SQUARE 4  |
| LAT 47 00.5N   | DAY 01    | DATA USE 1  | BAROMETR 1017.1 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 046 44.8W | MOOR 11.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 5700012  | 1 SQUARE 76 |

| CAS/MIN/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN/DPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 11.2         | STD     | 00000 | - 0.45 | 33.07  | 26.59   | 00.000   | 1444.5  |      |     |       |     |     |      |    |
|              | OBS     | 00001 | - 0.45 | 33.070 | 26.59   |          | 1444.6  |      |     |       |     |     |      |    |
|              | OBS     | 00005 | - 0.44 | 33.070 | 26.59   |          | 1444.6  |      |     |       |     |     |      |    |
|              | STD     | 00010 | - 0.44 | 33.07  | 26.59   | 00.015   | 1444.7  |      |     |       |     |     |      |    |
|              | OBS     | 00011 | - 0.44 | 33.080 | 26.60   |          | 1444.8  |      |     |       |     |     |      |    |
|              | STD     | 00020 | - 0.13 | 33.14  | 26.64   | 00.029   | 1446.4  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | - 0.04 | 33.180 | 26.66   |          | 1446.9  |      |     |       |     |     |      |    |
|              | OBS     | 00024 | 00.46  | 33.410 | 26.82   |          | 1449.6  |      |     |       |     |     |      |    |
|              | OBS     | 00028 | 00.84  | 33.440 | 26.82   |          | 1451.4  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 00.76  | 33.49  | 26.87   | 00.042   | 1451.2  |      |     |       |     |     |      |    |
|              | OBS     | 00034 | 00.61  | 33.590 | 26.96   |          | 1450.7  |      |     |       |     |     |      |    |
|              | OBS     | 00040 | 00.62  | 33.620 | 26.98   |          | 1450.9  |      |     |       |     |     |      |    |
|              | OBS     | 00043 | 01.10  | 33.800 | 27.10   |          | 1453.3  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 01.63  | 33.91  | 27.15   | 00.063   | 1455.9  |      |     |       |     |     |      |    |
|              | OBS     | 00053 | 01.78  | 33.930 | 27.16   |          | 1456.6  |      |     |       |     |     |      |    |
|              | OBS     | 00057 | 01.78  | 33.930 | 27.15   |          | 1456.8  |      |     |       |     |     |      |    |
|              | OBS     | 00062 | 01.14  | 33.950 | 27.21   |          | 1454.0  |      |     |       |     |     |      |    |
|              | OBS     | 00066 | 01.55  | 33.980 | 27.21   |          | 1456.0  |      |     |       |     |     |      |    |
|              | OBS     | 00068 | 01.60  | 33.980 | 27.21   |          | 1456.2  |      |     |       |     |     |      |    |
|              | OBS     | 00074 | 01.30  | 33.960 | 27.21   |          | 1455.0  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 01.20  | 34.06  | 27.30   | 00.085   | 1454.7  |      |     |       |     |     |      |    |
|              | OBS     | 00076 | 01.11  | 34.170 | 27.39   |          | 1454.4  |      |     |       |     |     |      |    |
|              | OBS     | 00081 | 01.56  | 34.190 | 27.38   |          | 1456.6  |      |     |       |     |     |      |    |
|              | OBS     | 00091 | 02.18  | 34.430 | 27.44   |          | 1464.1  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 02.98  | 34.44  | 27.46   | 00.102   | 1463.4  |      |     |       |     |     |      |    |
|              | OBS     | 00102 | 02.95  | 34.450 | 27.47   |          | 1463.3  |      |     |       |     |     |      |    |
|              | OBS     | 00116 | 03.05  | 34.520 | 27.52   |          | 1466.1  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 02.85  | 34.52  | 27.54   | 00.117   | 1463.4  |      |     |       |     |     |      |    |
|              | OBS     | 00127 | 02.60  | 34.520 | 27.54   |          | 1463.2  |      |     |       |     |     |      |    |
|              | OBS     | 00133 | 02.94  | 34.540 | 27.55   |          | 1463.5  |      |     |       |     |     |      |    |
|              | OBS     | 00137 | 03.48  | 34.610 | 27.55   |          | 1466.4  |      |     |       |     |     |      |    |
|              | OBS     | 00140 | 03.60  | 34.670 | 27.59   |          | 1467.0  |      |     |       |     |     |      |    |
|              | OBS     | 00146 | 04.45  | 34.770 | 27.58   |          | 1470.8  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 04.43  | 34.77  | 27.58   | 00.131   | 1470.8  |      |     |       |     |     |      |    |
|              | OBS     | 00161 | 04.42  | 34.790 | 27.60   |          | 1471.0  |      |     |       |     |     |      |    |
|              | OBS     | 00175 | 04.56  | 34.810 | 27.60   |          | 1471.8  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 04.55  | 34.88  | 27.65   | 00.156   | 1472.3  |      |     |       |     |     |      |    |
|              | OBS     | 00201 | 04.54  | 34.880 | 27.65   |          | 1472.3  |      |     |       |     |     |      |    |
|              | OBS     | 00207 | 04.49  | 34.870 | 27.65   |          | 1472.1  |      |     |       |     |     |      |    |
|              | OBS     | 00232 | 02.91  | 34.670 | 27.65   |          | 1465.6  |      |     |       |     |     |      |    |
|              | OBS     | 00245 | 02.94  | 34.710 | 27.68   |          | 1466.0  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 03.05  | 34.73  | 27.69   | 00.179   | 1466.6  |      |     |       |     |     |      |    |
|              | OBS     | 00260 | 03.30  | 34.760 | 27.69   |          | 1467.9  |      |     |       |     |     |      |    |
|              | OBS     | 00268 | 03.47  | 34.770 | 27.68   |          | 1468.7  |      |     |       |     |     |      |    |
|              | OBS     | 00276 | 03.84  | 34.820 | 27.68   |          | 1470.5  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 03.47  | 34.78  | 27.69   | 00.201   | 1469.3  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 03.47  | 34.780 | 27.69   |          | 1469.3  |      |     |       |     |     |      |    |
|              | OBS     | 00325 | 03.75  | 34.800 | 27.67   |          | 1470.9  |      |     |       |     |     |      |    |
|              | OBS     | 00376 | 04.22  | 34.860 | 27.69   |          | 1473.8  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 04.27  | 34.86  | 27.67   | 00.247   | 1474.4  |      |     |       |     |     |      |    |
|              | OBS     | 00401 | 04.27  | 34.860 | 27.67   |          | 1474.4  |      |     |       |     |     |      |    |
|              | OBS     | 00451 | 04.25  | 34.870 | 27.68   |          | 1475.2  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 04.22  | 34.88  | 27.69   | 00.294   | 1475.9  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 04.22  | 34.880 | 27.69   |          | 1475.9  |      |     |       |     |     |      |    |
|              | OBS     | 00550 | 03.93  | 34.880 | 27.72   |          | 1475.5  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 03.84  | 34.88  | 27.73   | 00.339   | 1475.9  |      |     |       |     |     |      |    |
|              | OBS     | 00603 | 03.84  | 34.880 | 27.73   |          | 1476.0  |      |     |       |     |     |      |    |
|              | OBS     | 00651 | 03.88  | 34.890 | 27.73   |          | 1477.0  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 03.75  | 34.88  | 27.74   | 00.382   | 1477.2  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 03.75  | 34.880 | 27.74   |          | 1477.2  |      |     |       |     |     |      |    |
|              | OBS     | 00750 | 03.73  | 34.880 | 27.74   |          | 1478.0  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 03.48  | 34.87  | 27.74   | 00.425   | 1478.6  |      |     |       |     |     |      |    |
|              | OBS     | 00803 | 03.48  | 34.870 | 27.74   |          | 1478.6  |      |     |       |     |     |      |    |
|              | OBS     | 00850 | 03.63  | 34.870 | 27.74   |          | 1479.2  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 03.61  | 34.87  | 27.74   | 00.469   | 1479.9  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 03.61  | 34.870 | 27.74   |          | 1479.9  |      |     |       |     |     |      |    |
|              | OBS     | 00953 | 03.56  | 34.860 | 27.74   |          | 1480.6  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.52  | 34.87  | 27.75   | 00.513   | 1481.2  |      |     |       |     |     |      |    |
|              | OBS     | 01001 | 03.52  | 34.870 | 27.75   |          | 1481.2  |      |     |       |     |     |      |    |
|              | OBS     | 01020 | 03.52  | 34.870 | 27.75   |          | 1481.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REPID 31 8370  | YEAR 1974 | BOTDP 01156 | AIR TEMP 06.0   | DIR HGT PER | WIND-DIR 34 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0001    | MONTH 05  | SHIP EV     | WET BULB 04.2   | 28 2 3      | WIND-SPD 03 | TRAC F DIR 0      | 5 SQUARE 4  |
| LAT 47 00.0N   | DAY 01    | DATA USE 1  | BAROMETR 1010.3 | SEA         | WIND-FOR    | DURATION 00.7     | 2 SQUARE 44 |
| LONG 046 58.0W | HOUR 13.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER K2  | ORIG 011 5710016  | 1 SQUARE 76 |

| CASHTIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | ORIG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|----------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 13.2     | STD   | 00000 | - 1.01 | 33.09  | 26.63   | 00.000  | 1442.0  |      |     |       |     |     |      |    |
|          | OBS   | 00003 | - 1.01 | 33.090 | 26.63   |         | 1442.0  |      |     |       |     |     |      |    |
|          | OBS   | 00009 | - 1.03 | 33.080 | 26.62   |         | 1442.0  |      |     |       |     |     |      |    |
|          | STD   | 00010 | - 1.05 | 33.08  | 26.62   | 00.014  | 1441.9  |      |     |       |     |     |      |    |
|          | OBS   | 00011 | - 1.10 | 33.087 | 26.63   |         | 1441.7  |      |     |       |     |     |      |    |
|          | STD   | 00020 | - 1.15 | 33.09  | 26.63   | 00.028  | 1441.6  |      |     |       |     |     |      |    |
|          | OBS   | 00020 | - 1.15 | 33.090 | 26.63   |         | 1441.6  |      |     |       |     |     |      |    |
|          | STD   | 00030 | - 1.17 | 33.09  | 26.64   | 00.043  | 1441.7  |      |     |       |     |     |      |    |
|          | OBS   | 00030 | - 1.17 | 33.095 | 26.64   |         | 1441.7  |      |     |       |     |     |      |    |
|          | OBS   | 00041 | - 1.33 | 33.150 | 26.69   |         | 1441.2  |      |     |       |     |     |      |    |
|          | OBS   | 00045 | - 1.57 | 33.267 | 26.80   |         | 1440.4  |      |     |       |     |     |      |    |
|          | STD   | 00050 | - 1.48 | 33.38  | 26.87   | 00.049  | 1441.0  |      |     |       |     |     |      |    |
|          | OBS   | 00051 | - 1.45 | 33.400 | 26.89   |         | 1441.2  |      |     |       |     |     |      |    |
|          | OBS   | 00060 | - 1.32 | 33.510 | 26.98   |         | 1442.1  |      |     |       |     |     |      |    |
|          | OBS   | 00066 | - 1.05 | 33.577 | 27.02   |         | 1443.6  |      |     |       |     |     |      |    |
|          | STD   | 00075 | - 0.77 | 33.68  | 27.09   | 00.095  | 1445.1  |      |     |       |     |     |      |    |
|          | OBS   | 00079 | - 0.62 | 33.730 | 27.13   |         | 1446.0  |      |     |       |     |     |      |    |
|          | STD   | 00100 | - 0.07 | 33.92  | 27.26   | 00.118  | 1449.1  |      |     |       |     |     |      |    |
|          | OBS   | 00100 | - 0.04 | 33.930 | 27.27   |         | 1449.3  |      |     |       |     |     |      |    |
|          | STD   | 00125 | 00.86  | 34.18  | 27.42   | 00.137  | 1454.1  |      |     |       |     |     |      |    |
|          | OBS   | 00125 | 00.87  | 34.183 | 27.42   |         | 1454.2  |      |     |       |     |     |      |    |
|          | STD   | 00150 | 01.09  | 34.30  | 27.50   | 00.152  | 1455.7  |      |     |       |     |     |      |    |
|          | OBS   | 00150 | 01.09  | 34.305 | 27.50   |         | 1455.7  |      |     |       |     |     |      |    |
|          | OBS   | 00175 | 01.30  | 34.347 | 27.52   |         | 1457.2  |      |     |       |     |     |      |    |
|          | OBS   | 00198 | 01.83  | 34.450 | 27.57   |         | 1460.0  |      |     |       |     |     |      |    |
|          | STD   | 00200 | 01.88  | 34.45  | 27.56   | 00.181  | 1460.3  |      |     |       |     |     |      |    |
|          | OBS   | 00207 | 02.02  | 34.460 | 27.56   |         | 1461.0  |      |     |       |     |     |      |    |
|          | OBS   | 00226 | 02.14  | 34.536 | 27.61   |         | 1462.0  |      |     |       |     |     |      |    |
|          | STD   | 00250 | 02.24  | 34.54  | 27.60   | 00.207  | 1462.8  |      |     |       |     |     |      |    |
|          | OBS   | 00251 | 02.25  | 34.540 | 27.61   |         | 1462.9  |      |     |       |     |     |      |    |
|          | OBS   | 00283 | 02.45  | 34.610 | 27.64   |         | 1464.4  |      |     |       |     |     |      |    |
|          | STD   | 00300 | 02.60  | 34.64  | 27.65   | 00.231  | 1465.3  |      |     |       |     |     |      |    |
|          | OBS   | 00300 | 02.61  | 34.640 | 27.65   |         | 1465.4  |      |     |       |     |     |      |    |
|          | OBS   | 00350 | 02.86  | 34.670 | 27.66   |         | 1467.3  |      |     |       |     |     |      |    |
|          | STD   | 00400 | 03.44  | 34.80  | 27.70   | 00.276  | 1470.8  |      |     |       |     |     |      |    |
|          | OBS   | 00401 | 03.45  | 34.800 | 27.70   |         | 1470.9  |      |     |       |     |     |      |    |
|          | OBS   | 00451 | 03.77  | 34.860 | 27.72   |         | 1473.1  |      |     |       |     |     |      |    |
|          | STD   | 00500 | 03.81  | 34.85  | 27.71   | 00.320  | 1474.1  |      |     |       |     |     |      |    |
|          | OBS   | 00506 | 03.82  | 34.850 | 27.71   |         | 1474.2  |      |     |       |     |     |      |    |
|          | OBS   | 00552 | 03.93  | 34.870 | 27.71   |         | 1475.5  |      |     |       |     |     |      |    |
|          | STD   | 00600 | 03.95  | 34.88  | 27.72   | 00.364  | 1476.4  |      |     |       |     |     |      |    |
|          | OBS   | 00603 | 03.95  | 34.880 | 27.72   |         | 1476.4  |      |     |       |     |     |      |    |
|          | OBS   | 00651 | 03.90  | 34.885 | 27.73   |         | 1477.0  |      |     |       |     |     |      |    |
|          | STD   | 00700 | 03.89  | 34.89  | 27.73   | 00.409  | 1477.8  |      |     |       |     |     |      |    |
|          | OBS   | 00700 | 03.89  | 34.890 | 27.73   |         | 1477.8  |      |     |       |     |     |      |    |
|          | OBS   | 00750 | 03.81  | 34.880 | 27.73   |         | 1478.3  |      |     |       |     |     |      |    |
|          | STD   | 00800 | 03.79  | 34.88  | 27.73   | 00.453  | 1479.0  |      |     |       |     |     |      |    |
|          | OBS   | 00803 | 03.79  | 34.880 | 27.73   |         | 1479.1  |      |     |       |     |     |      |    |
|          | OBS   | 00850 | 03.75  | 34.870 | 27.73   |         | 1479.7  |      |     |       |     |     |      |    |
|          | STD   | 00900 | 03.72  | 34.87  | 27.73   | 00.498  | 1480.4  |      |     |       |     |     |      |    |
|          | OBS   | 00900 | 03.72  | 34.870 | 27.73   |         | 1480.4  |      |     |       |     |     |      |    |
|          | OBS   | 00951 | 03.66  | 34.865 | 27.73   |         | 1481.0  |      |     |       |     |     |      |    |
|          | STD   | 01000 | 03.43  | 34.86  | 27.73   | 00.543  | 1481.7  |      |     |       |     |     |      |    |
|          | OBS   | 01001 | 03.43  | 34.860 | 27.73   |         | 1481.7  |      |     |       |     |     |      |    |
|          | OBS   | 01027 | 03.59  | 34.860 | 27.74   |         | 1482.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTOP 00445 AIA TEMP 03.5 DIR HGT PER WIND-DIR 02 INST STD RECORDER TEN SQ 1304  
 CONSEC 0082 MONTH 05 SHIP EV MET BULB 02.5 00 0 0 WIND-SPD 06 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00.0N DAY 01 DATA USE 1 BAROMETR 1016.9 SEA WIND-FOR DURATION 00.2 2 SQUARE 46  
 LONG 047 13.5N HOUR 15.5 AREA 05 CLUD T/A CL/TFR WEATHER X1 ORIG 011 5720015 1 SQUARE 77

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | JYXG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.5        | STD   | 00000 | - 1.03 | 32.94  | 26.51   | 00.000  | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 1.03 | 32.940 | 26.51   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | - 1.32 | 32.940 | 26.52   |         | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 1.32 | 32.93  | 26.51   | 00.015  | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.33 | 32.920 | 26.50   |         | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.41 | 32.94  | 26.52   | 00.031  | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.41 | 32.940 | 26.52   |         | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.42 | 32.94  | 26.52   | 00.046  | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.42 | 32.940 | 26.52   |         | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.59 | 33.26  | 26.78   | 00.074  | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.60 | 33.270 | 26.79   |         | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | - 1.67 | 33.290 | 26.81   |         | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.65 | 33.37  | 26.87   | 00.104  | 1440.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.64 | 33.400 | 26.90   |         | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 1.42 | 33.500 | 26.97   |         | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | - 1.17 | 33.510 | 26.97   |         | 1443.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.98 | 33.60  | 27.04   | 00.132  | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 0.96 | 33.610 | 27.05   |         | 1444.6  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.42 | 33.77  | 27.15   | 00.156  | 1447.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 0.41 | 33.770 | 27.15   |         | 1447.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 00.17  | 33.93  | 27.25   | 00.178  | 1451.1  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 00.22  | 33.940 | 27.26   |         | 1451.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.65  | 34.090 | 27.36   |         | 1453.9  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 01.05  | 34.17  | 27.40   | 00.216  | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 01.08  | 34.180 | 27.40   |         | 1456.4  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 01.37  | 34.310 | 27.49   |         | 1458.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 01.75  | 34.41  | 27.54   | 00.248  | 1460.5  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.77  | 34.410 | 27.54   |         | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 02.00  | 34.460 | 27.56   |         | 1462.1  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.20  | 34.53  | 27.60   | 00.275  | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.21  | 34.530 | 27.60   |         | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00316 | 02.38  | 34.530 | 27.59   |         | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.66  | 34.630 | 27.64   |         | 1466.4  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 02.78  | 34.66  | 27.65   | 00.324  | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00403 | 02.79  | 34.660 | 27.65   |         | 1467.9  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 02.98  | 34.680 | 27.65   |         | 1469.6  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.11  | 34.67  | 27.63   | 00.373  | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 03.11  | 34.670 | 27.63   |         | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00555 | 03.75  | 34.870 | 27.73   |         | 1474.8  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.84  | 34.87  | 27.72   | 00.420  | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.84  | 34.870 | 27.72   |         | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.72  | 34.880 | 27.74   |         | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00662 | 03.72  | 34.880 | 27.74   |         | 1476.5  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTOP 00234 AIA TEMP 01.8 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1304  
 CONSEC 0083 MONTH 05 SHIP EV MET BULB 01.0 33 2 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00.0N DAY 01 DATA USE 1 BAROMETR 1017.8 SEA WIND-FOR DURATION 00.1 2 SQUARE 66  
 LONG 047 23.5N HOUR 16.8 AREA 05 CLUD T/A CL/TFR WEATHER X1 ORIG 011 5730014 1 SQUARE 77

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 16.8        | STD   | 00000 | - 0.71 | 33.07  | 26.60   | 00.000  | 1443.3  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | - 0.71 | 33.070 | 26.60   |         | 1443.4  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | - 0.94 | 33.040 | 26.56   |         | 1442.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.97 | 33.05  | 26.59   | 00.014  | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 1.03 | 33.070 | 26.61   |         | 1442.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 1.09 | 33.08  | 26.62   | 00.029  | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 1.10 | 33.080 | 26.62   |         | 1441.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.14 | 33.09  | 26.63   | 00.043  | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.14 | 33.090 | 26.63   |         | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.40 | 33.14  | 26.68   | 00.071  | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.42 | 33.150 | 26.69   |         | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | - 1.73 | 33.280 | 26.80   |         | 1440.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.72 | 33.30  | 26.81   | 00.103  | 1440.1  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.72 | 33.300 | 26.82   |         | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.59 | 33.44  | 26.93   | 00.133  | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | - 1.49 | 33.490 | 26.97   |         | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | - 1.23 | 33.620 | 27.06   |         | 1443.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.92 | 33.63  | 27.04   | 00.160  | 1447.1  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | - 0.40 | 33.640 | 27.05   |         | 1447.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.24 | 33.76  | 27.14   | 00.184  | 1448.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.24 | 33.760 | 27.14   |         | 1448.9  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.01  | 33.830 | 27.18   |         | 1450.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 00.36  | 33.93  | 27.24   | 00.229  | 1452.7  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.37  | 33.930 | 27.24   |         | 1452.8  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 00.39  | 33.940 | 27.25   |         | 1453.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00174 AIR TEMP 01.8 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1306  
 CONSEC 0084 MONTH 05 SHIP EV WET BULB 00.9 33 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 46 59.2N DAY 01 DATA USE 1 BAROMETR 1018.6 SEA WIND-FOR DURATION 00.1 2 SQUARE 66  
 LONG 047 45.0W HOUR 18.4 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG 011 5740016 1 SQUARE 67

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 18.4        | STD   | 00000 | - 0.08 | 32.95  | 26.48   | 00.000 | 1446.1  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.08 | 32.950 | 26.48   |        | 1446.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.22 | 32.95  | 26.48   | 00.016 | 1445.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.24 | 32.950 | 26.49   |        | 1445.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.38 | 32.94  | 26.49   | 00.031 | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.39 | 32.940 | 26.48   |        | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | - 0.40 | 32.930 | 26.48   |        | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.43 | 32.94  | 26.49   | 00.047 | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.43 | 32.940 | 26.49   |        | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.44 | 32.94  | 26.49   | 00.078 | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.46 | 32.940 | 26.49   |        | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 1.03 | 33.060 | 26.60   |        | 1443.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.14 | 33.06  | 26.61   | 00.115 | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | - 1.36 | 33.120 | 26.66   |        | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | - 1.49 | 33.240 | 26.76   |        | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.48 | 33.27  | 26.79   | 00.149 | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.48 | 33.280 | 26.80   |        | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.09 | 33.47  | 26.94   | 00.178 | 1444.2  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | - 1.03 | 33.480 | 26.94   |        | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | - 0.98 | 33.480 | 26.94   |        | 1444.8  |      |     |       |     |     |      |    |
|             | OBS   | 00137 | - 0.98 | 33.480 | 26.94   |        | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.75 | 33.48  | 26.93   | 00.206 | 1446.2  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.75 | 33.480 | 26.93   |        | 1446.2  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00137 AIR TEMP 01.8 DIR HGT PER WIND-DIR 05 INST STD RECORDER TEN SQ 1306  
 CONSEC 0085 MONTH 05 SHIP EV WET BULB 00.9 33 3 3 WIND-SPD 10 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00.0N DAY 01 DATA USE 1 BAROMETR 1018.5 SEA WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 00.0W HOUR 19.6 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG 011 5750016 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 19.6        | STD   | 00000 | - 0.08 | 32.95  | 26.48   | 00.000 | 1446.1  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.08 | 32.950 | 26.48   |        | 1446.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.22 | 32.95  | 26.48   | 00.016 | 1445.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.24 | 32.950 | 26.49   |        | 1445.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.38 | 32.94  | 26.49   | 00.031 | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.39 | 32.940 | 26.48   |        | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | - 0.40 | 32.930 | 26.48   |        | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.43 | 32.94  | 26.49   | 00.047 | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.43 | 32.940 | 26.49   |        | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.44 | 32.94  | 26.49   | 00.078 | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.46 | 32.940 | 26.49   |        | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 1.01 | 33.060 | 26.60   |        | 1443.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.14 | 33.06  | 26.61   | 00.115 | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | - 1.37 | 33.120 | 26.66   |        | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | - 1.49 | 33.240 | 26.76   |        | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.48 | 33.27  | 26.79   | 00.149 | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.48 | 33.280 | 26.80   |        | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.09 | 33.47  | 26.94   | 00.178 | 1444.2  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | - 1.03 | 33.480 | 26.94   |        | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | - 0.98 | 33.480 | 26.94   |        | 1444.8  |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00113 AIR TEMP 00.9 DIR HGT PER WIND-DIR 32 INST STD RECORDER TEN SQ 1306  
 CONSEC 0086 MONTH 05 SHIP EV WET BULB 00.3 26 1 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 4  
 LAT 47 00.0N DAY 01 DATA USE 1 BAROMETR 1017.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 68  
 LONG 048 22.2W HOUR 21.8 AREA 05 CLOUD T/A CL/TR WEATHER X1 CRIG 011 576 1 SQUARE 78

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 21.8        | STD   | 00000 | - 0.15 | 32.94  | 26.47   | 00.000 | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | - 0.15 | 32.940 | 26.47   |        | 1445.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | - 0.19 | 32.94  | 26.48   | 00.016 | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | - 0.19 | 32.940 | 26.48   |        | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | - 0.19 | 32.930 | 26.47   |        | 1445.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | - 0.37 | 32.94  | 26.48   | 00.031 | 1445.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | - 0.38 | 32.940 | 26.48   |        | 1445.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.40 | 32.95  | 26.49   | 00.047 | 1445.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.40 | 32.950 | 26.49   |        | 1445.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.54 | 32.93  | 26.48   | 00.078 | 1444.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.56 | 32.930 | 26.48   |        | 1444.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.10 | 33.05  | 26.40   | 00.115 | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.15 | 33.070 | 26.62   |        | 1442.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.46 | 33.24  | 26.76   | 00.149 | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.47 | 33.260 | 26.76   |        | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | - 1.48 | 33.250 | 26.77   |        | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00110 | - 1.46 | 33.260 | 26.78   |        | 1441.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00097 | AIR TEMP 01.2   | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0087    | MONTH 05  | SHIP EV     | WET BULB 00.5   | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.0N   | DAY 01    | DATA USE 1  | BAROMETR 1010.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 40.0W | HOUR 23.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 577      | 1 SQUARE 78 |

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 23.2         | STD   | 00000 | - 0.28 | 32.96  | 26.50   | 00.000  | 1445.2  |      |     |       |     |     |      |    |
|              | OBS   | 00000 | - 0.28 | 32.960 | 26.50   |         | 1445.2  |      |     |       |     |     |      |    |
|              | STD   | 00010 | - 0.26 | 32.94  | 26.48   | 00.016  | 1445.4  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | - 0.26 | 32.940 | 26.48   |         | 1445.4  |      |     |       |     |     |      |    |
|              | STD   | 00020 | - 0.39 | 32.95  | 26.49   | 00.031  | 1445.0  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | - 0.40 | 32.950 | 26.49   |         | 1444.9  |      |     |       |     |     |      |    |
|              | STD   | 00030 | - 0.42 | 32.96  | 26.50   | 00.047  | 1445.0  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | - 0.42 | 32.960 | 26.50   |         | 1445.0  |      |     |       |     |     |      |    |
|              | STD   | 00050 | - 0.45 | 32.96  | 26.50   | 00.077  | 1445.2  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 0.47 | 32.960 | 26.50   |         | 1445.1  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.20 | 33.07  | 26.62   | 00.114  | 1442.3  |      |     |       |     |     |      |    |
|              | OBS   | 00076 | - 1.23 | 33.080 | 26.63   |         | 1442.2  |      |     |       |     |     |      |    |
|              | OBS   | 00083 | - 1.41 | 33.140 | 26.68   |         | 1441.5  |      |     |       |     |     |      |    |
|              | OBS   | 00091 | - 1.39 | 33.150 | 26.69   |         | 1441.8  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00090 | AIR TEMP 04.8   | DIR HGT PER | WIND-DIR 10 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0088    | MONTH 05  | SHIP EV     | WET BULB 03.6   | 00 0 X      | WIND-SPD 05 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 59.2N   | DAY 02    | DATA USE 1  | BAROMETR 1015.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 56.0W | HOUR 00.4 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 578      | 1 SQUARE 64 |

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 00.4         | STD   | 00000 | - 0.25 | 32.94  | 26.48   | 00.000  | 1445.3  |      |     |       |     |     |      |    |
|              | OBS   | 00001 | - 0.25 | 32.940 | 26.48   |         | 1445.3  |      |     |       |     |     |      |    |
|              | OBS   | 00007 | - 0.24 | 32.930 | 26.47   |         | 1445.4  |      |     |       |     |     |      |    |
|              | STD   | 00010 | - 0.25 | 32.94  | 26.48   | 00.016  | 1445.5  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | - 0.25 | 32.940 | 26.48   |         | 1445.5  |      |     |       |     |     |      |    |
|              | STD   | 00020 | - 0.28 | 32.93  | 26.47   | 00.031  | 1445.4  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | - 0.29 | 32.930 | 26.47   |         | 1445.4  |      |     |       |     |     |      |    |
|              | STD   | 00030 | - 0.41 | 32.94  | 26.48   | 00.047  | 1445.0  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | - 0.42 | 32.940 | 26.49   |         | 1445.0  |      |     |       |     |     |      |    |
|              | STD   | 00050 | - 0.57 | 32.95  | 26.50   | 00.078  | 1444.6  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 0.60 | 32.960 | 26.51   |         | 1444.3  |      |     |       |     |     |      |    |
|              | OBS   | 00074 | - 1.42 | 33.140 | 26.68   |         | 1441.3  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.42 | 33.14  | 26.68   | 00.114  | 1441.4  |      |     |       |     |     |      |    |
|              | OBS   | 00076 | - 1.41 | 33.150 | 26.69   |         | 1441.4  |      |     |       |     |     |      |    |
|              | OBS   | 00083 | - 1.42 | 33.160 | 26.70   |         | 1441.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP C4068 | AIR TEMP 11.5    | DIR HGT PER | WIND-DIR 24 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0089    | MONTH 04  | SHIP EV     | WET BULB 08.2    | 22 3 3      | WIND-SPD 15 | TRACE DIR D       | 5 SQUARE 1  |
| LAT 41 04.2N   | DAY 09    | DATA USE 1  | BAROMETER 1009.1 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 00 |
| LONG 080 19.3W | HOOR 02.1 | AREA 05     | CLOUD T/A        | CL/TX       | WEATHER X9  | CRIG 011 579      | 1 SQUARE 10 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTh | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 02.1        | STD   | 00000 | 18.98 | 36.41  | 26.12   | 00.000  | 1521.0  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 18.98 | 36.41  | 26.12   |         | 1521.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 18.97 | 36.41  | 26.12   | 00.019  | 1521.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 18.97 | 36.41  | 26.12   |         | 1521.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 18.99 | 36.40  | 26.11   | 00.038  | 1521.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 18.99 | 36.40  | 26.11   |         | 1521.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 18.99 | 36.40  | 26.11   | 00.057  | 1521.5  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 18.99 | 36.397 | 26.11   |         | 1521.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 18.99 | 36.38  | 26.10   | 00.096  | 1521.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 18.98 | 36.380 | 26.10   |         | 1521.8  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | 18.82 | 36.360 | 26.12   |         | 1521.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 18.35 | 36.28  | 26.18   | 00.144  | 1520.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 18.31 | 36.275 | 26.19   |         | 1520.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 17.87 | 36.37  | 26.37   | 00.188  | 1519.4  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 17.82 | 36.360 | 26.39   |         | 1519.3  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 17.39 | 36.27  | 26.41   | 00.230  | 1518.3  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 17.39 | 36.270 | 26.41   |         | 1518.3  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 17.44 | 36.370 | 26.40   |         | 1518.8  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | 17.26 | 36.37  | 26.52   |         | 1518.4  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 17.28 | 36.37  | 26.52   | 00.271  | 1518.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 17.28 | 36.370 | 26.51   |         | 1518.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 17.06 | 36.390 | 26.58   |         | 1518.3  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 16.85 | 36.36  | 26.61   | 00.348  | 1518.0  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 16.85 | 36.360 | 26.62   |         | 1518.0  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 16.48 | 36.260 | 26.62   |         | 1517.3  |      |     |       |     |     |      |    |
|             | OBS   | 00236 | 15.70 | 36.040 | 26.63   |         | 1514.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 15.31 | 35.94  | 26.65   | 00.422  | 1513.6  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 15.25 | 35.940 | 26.65   |         | 1513.6  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 15.51 | 36.050 | 26.68   |         | 1514.8  |      |     |       |     |     |      |    |
|             | OBS   | 00281 | 15.42 | 36.070 | 26.72   |         | 1514.6  |      |     |       |     |     |      |    |
|             | OBS   | 00289 | 14.94 | 35.915 | 26.71   |         | 1513.1  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 14.70 | 35.89  | 26.74   | 00.494  | 1512.5  |      |     |       |     |     |      |    |
|             | OBS   | 00304 | 14.67 | 35.875 | 26.73   |         | 1512.4  |      |     |       |     |     |      |    |
|             | OBS   | 00312 | 14.70 | 35.920 | 26.76   |         | 1512.7  |      |     |       |     |     |      |    |
|             | OBS   | 00318 | 14.51 | 35.865 | 26.70   |         | 1512.1  |      |     |       |     |     |      |    |
|             | OBS   | 00340 | 14.59 | 35.920 | 26.79   |         | 1512.8  |      |     |       |     |     |      |    |
|             | OBS   | 00346 | 14.36 | 35.840 | 26.78   |         | 1512.1  |      |     |       |     |     |      |    |
|             | OBS   | 00348 | 14.32 | 35.830 | 26.78   |         | 1512.0  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 13.51 | 35.720 | 26.78   |         | 1510.6  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 13.33 | 35.70  | 26.89   | 00.629  | 1509.4  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 13.30 | 35.700 | 26.89   |         | 1509.3  |      |     |       |     |     |      |    |
|             | OBS   | 00428 | 12.76 | 35.670 | 26.98   |         | 1507.9  |      |     |       |     |     |      |    |
|             | OBS   | 00434 | 12.46 | 35.590 | 26.98   |         | 1506.9  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 12.09 | 35.520 | 26.99   |         | 1505.9  |      |     |       |     |     |      |    |
|             | OBS   | 00474 | 11.64 | 35.470 | 27.04   |         | 1504.6  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 10.71 | 35.34  | 27.11   | 00.747  | 1501.6  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 10.70 | 35.342 | 27.11   |         | 1501.6  |      |     |       |     |     |      |    |
|             | OBS   | 00506 | 10.61 | 35.335 | 27.12   |         | 1501.3  |      |     |       |     |     |      |    |
|             | OBS   | 00519 | 10.25 | 35.225 | 27.10   |         | 1500.1  |      |     |       |     |     |      |    |
|             | OBS   | 00525 | 10.22 | 35.230 | 27.11   |         | 1499.3  |      |     |       |     |     |      |    |
|             | OBS   | 00531 | 09.96 | 35.240 | 27.17   |         | 1499.0  |      |     |       |     |     |      |    |
|             | OBS   | 00534 | 09.86 | 35.245 | 27.19   |         | 1498.0  |      |     |       |     |     |      |    |
|             | OBS   | 00542 | 09.58 | 35.170 | 27.18   |         | 1497.4  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 09.40 | 35.160 | 27.20   |         | 1497.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 08.44 | 35.13  | 27.33   | 00.845  | 1494.6  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 08.41 | 35.120 | 27.33   |         | 1494.5  |      |     |       |     |     |      |    |
|             | OBS   | 00616 | 08.11 | 35.040 | 27.31   |         | 1493.5  |      |     |       |     |     |      |    |
|             | OBS   | 00652 | 07.73 | 35.080 | 27.40   |         | 1492.7  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 06.94 | 35.03  | 27.47   | 00.925  | 1490.4  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 06.93 | 35.030 | 27.47   |         | 1490.3  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 06.44 | 35.030 | 27.54   |         | 1489.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 06.02 | 35.02  | 27.59   | 00.993  | 1488.4  |      |     |       |     |     |      |    |
|             | OBS   | 00805 | 05.94 | 35.020 | 27.59   |         | 1488.3  |      |     |       |     |     |      |    |
|             | OBS   | 00822 | 05.83 | 35.030 | 27.62   |         | 1488.0  |      |     |       |     |     |      |    |
|             | OBS   | 00837 | 06.07 | 35.080 | 27.63   |         | 1489.3  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 05.76 | 35.040 | 27.64   |         | 1488.2  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 05.37 | 35.03  | 27.68   | 01.051  | 1487.4  |      |     |       |     |     |      |    |
|             | OBS   | 00902 | 05.35 | 35.030 | 27.68   |         | 1487.4  |      |     |       |     |     |      |    |
|             | OBS   | 00927 | 05.19 | 34.990 | 27.67   |         | 1487.1  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 05.03 | 35.010 | 27.71   |         | 1486.6  |      |     |       |     |     |      |    |
|             | OBS   | 00999 | 04.78 | 34.990 | 27.71   |         | 1486.7  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.79 | 34.99  | 27.71   | 01.103  | 1486.7  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.80 | 34.990 | 27.71   |         | 1486.7  |      |     |       |     |     |      |    |
|             | OBS   | 01018 | 04.78 | 34.990 | 27.72   |         | 1486.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03709 | AIR TEMP 10.3    | DIR MGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0090    | MONTH 06  | SHIP EV     | WEI BULB 09.3    | 28 3 2      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 1  |
| LAT 41 28.6N   | DAY 09    | DATA USE 1  | BAROMETER 1010.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 00 |
| LONG 050 18.7W | HOOR 05.7 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 580      | 1 SQUARE 10 |

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYN DPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 05.7          | STD     | 00000 | 14.93 | 35.33  | 26.26   | 00.000   | 1507.4  |      |     |       |     |     |      |    |
|               | OBS     | 00001 | 14.93 | 35.330 | 26.26   |          | 1507.4  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 14.92 | 35.33  | 26.26   | 00.018   | 1507.7  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 14.92 | 35.333 | 26.27   |          | 1507.7  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 14.96 | 35.36  | 26.27   | 00.035   | 1508.0  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 14.97 | 35.360 | 26.27   |          | 1508.1  |      |     |       |     |     |      |    |
|               | OBS     | 00028 | 15.10 | 35.373 | 26.26   |          | 1508.6  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 14.99 | 35.37  | 26.28   | 00.053   | 1508.3  |      |     |       |     |     |      |    |
|               | OBS     | 00038 | 14.39 | 35.365 | 26.40   |          | 1506.5  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | 14.25 | 35.500 | 26.54   |          | 1506.3  |      |     |       |     |     |      |    |
|               | OBS     | 00045 | 14.45 | 35.590 | 26.56   |          | 1507.1  |      |     |       |     |     |      |    |
|               | OBS     | 00049 | 14.47 | 35.590 | 26.56   |          | 1507.2  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 14.50 | 35.60  | 26.56   | 00.086   | 1507.4  |      |     |       |     |     |      |    |
|               | OBS     | 00055 | 14.78 | 35.707 | 26.56   |          | 1508.5  |      |     |       |     |     |      |    |
|               | OBS     | 00072 | 14.95 | 35.815 | 26.63   |          | 1509.4  |      |     |       |     |     |      |    |
|               | STD     | 00075 | 14.59 | 35.72  | 26.64   | 00.122   | 1508.2  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | 14.46 | 35.696 | 26.64   |          | 1507.8  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 14.35 | 35.66  | 26.64   | 00.158   | 1507.8  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | 14.34 | 35.666 | 26.64   |          | 1507.7  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 14.03 | 35.71  | 26.75   | 00.193   | 1507.2  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | 14.02 | 35.710 | 26.75   |          | 1507.2  |      |     |       |     |     |      |    |
|               | OBS     | 00127 | 14.03 | 35.704 | 26.74   |          | 1507.2  |      |     |       |     |     |      |    |
|               | OBS     | 00131 | 13.82 | 35.635 | 26.73   |          | 1506.5  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 13.76 | 35.60  | 26.72   | 00.227   | 1506.6  |      |     |       |     |     |      |    |
|               | OBS     | 00154 | 13.73 | 35.590 | 26.72   |          | 1506.6  |      |     |       |     |     |      |    |
|               | OBS     | 00177 | 13.48 | 35.580 | 26.76   |          | 1506.1  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 13.21 | 35.59  | 26.82   | 00.294   | 1505.6  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 13.19 | 35.590 | 26.83   |          | 1505.5  |      |     |       |     |     |      |    |
|               | OBS     | 00228 | 12.92 | 35.510 | 26.82   |          | 1505.0  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 13.05 | 35.56  | 26.83   | 00.358   | 1505.8  |      |     |       |     |     |      |    |
|               | OBS     | 00255 | 13.08 | 35.570 | 26.84   |          | 1505.3  |      |     |       |     |     |      |    |
|               | OBS     | 00262 | 12.83 | 35.585 | 26.90   |          | 1504.5  |      |     |       |     |     |      |    |
|               | OBS     | 00268 | 12.59 | 35.510 | 26.89   |          | 1504.2  |      |     |       |     |     |      |    |
|               | OBS     | 00276 | 12.45 | 35.510 | 26.92   |          | 1502.1  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 11.79 | 35.39  | 26.95   | 00.420   | 1501.6  |      |     |       |     |     |      |    |
|               | OBS     | 00306 | 11.60 | 35.370 | 26.97   |          | 1499.2  |      |     |       |     |     |      |    |
|               | OBS     | 00333 | 10.81 | 35.320 | 27.08   |          | 1500.7  |      |     |       |     |     |      |    |
|               | OBS     | 00354 | 11.12 | 35.377 | 27.07   |          | 1498.0  |      |     |       |     |     |      |    |
|               | OBS     | 00392 | 10.24 | 35.240 | 27.12   |          | 1497.7  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 10.11 | 35.23  | 27.13   | 00.531   | 1497.6  |      |     |       |     |     |      |    |
|               | OBS     | 00401 | 10.09 | 35.225 | 27.13   |          | 1497.4  |      |     |       |     |     |      |    |
|               | OBS     | 00407 | 10.01 | 35.240 | 27.16   |          | 1494.4  |      |     |       |     |     |      |    |
|               | OBS     | 00451 | 09.02 | 35.150 | 27.25   |          | 1491.9  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 08.15 | 35.14  | 27.38   | 00.623   | 1491.9  |      |     |       |     |     |      |    |
|               | OBS     | 00500 | 08.14 | 35.140 | 27.38   |          | 1491.3  |      |     |       |     |     |      |    |
|               | OBS     | 00529 | 07.88 | 35.125 | 27.41   |          | 1490.0  |      |     |       |     |     |      |    |
|               | OBS     | 00550 | 07.49 | 35.030 | 27.39   |          | 1490.2  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 07.29 | 35.16  | 27.52   | 00.696   | 1489.0  |      |     |       |     |     |      |    |
|               | OBS     | 00601 | 07.27 | 35.160 | 27.53   |          | 1487.7  |      |     |       |     |     |      |    |
|               | OBS     | 00630 | 06.85 | 35.120 | 27.55   |          | 1485.7  |      |     |       |     |     |      |    |
|               | OBS     | 00658 | 06.44 | 35.046 | 27.55   |          | 1485.6  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 05.77 | 34.99  | 27.60   | 00.760   | 1485.8  |      |     |       |     |     |      |    |
|               | OBS     | 00700 | 05.76 | 34.996 | 27.60   |          | 1484.4  |      |     |       |     |     |      |    |
|               | OBS     | 00750 | 05.58 | 35.046 | 27.66   |          | 1484.4  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 05.06 | 34.99  | 27.68   | 00.816   | 1484.4  |      |     |       |     |     |      |    |
|               | OBS     | 00805 | 05.03 | 34.985 | 27.68   |          | 1484.6  |      |     |       |     |     |      |    |
|               | OBS     | 00833 | 04.97 | 34.980 | 27.68   |          | 1484.6  |      |     |       |     |     |      |    |
|               | OBS     | 00850 | 04.90 | 34.990 | 27.70   |          | 1485.0  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 04.78 | 34.99  | 27.71   | 00.866   | 1485.0  |      |     |       |     |     |      |    |
|               | OBS     | 00902 | 04.78 | 34.990 | 27.71   |          | 1485.5  |      |     |       |     |     |      |    |
|               | OBS     | 00951 | 04.71 | 34.990 | 27.72   |          | 1485.6  |      |     |       |     |     |      |    |
|               | OBS     | 00982 | 04.60 | 34.980 | 27.73   |          | 1486.0  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 04.62 | 35.00  | 27.74   | 00.915   | 1486.1  |      |     |       |     |     |      |    |
|               | OBS     | 01003 | 04.63 | 35.000 | 27.74   |          | 1486.6  |      |     |       |     |     |      |    |
|               | OBS     | 01022 | 04.67 | 35.010 | 27.74   |          |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8370  | YEAR 1974 | BOTDP 03451 | AIR TEMP 10.3   | DIR HGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1307 |      |     |       |     |     |      |    |
| CONSEC 0091    | MONTH 06  | SHIP EV     | WET BULB 09.3   | 28 2 2      | WIND-SPD 15 | TRACE DIA 0       | 5 SQUARE    |      |     |       |     |     |      |    |
| LAT 41 48.2N   | DAY 09    | DATA USE 1  | BAROMETR 1010.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 00 |      |     |       |     |     |      |    |
| LONG 090 21.0W | HOOR 08.9 | AREA 05     | CLCUD T/A       | CL/T/A      | WEATHER X2  | ORIG 011 581      | 1 SQUARE 10 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEMP            | SAL         | SIGMA-T     | DYNOPTH           | SND VEL     | ORYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 08.9           | STD       | 00000       | 13.30           | 34.90       | 26.28       | 00.000            | 1501.8      |      |     |       |     |     |      |    |
|                | OBS       | 00005       | 13.30           | 34.903      | 26.28       |                   | 1501.8      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 13.31           | 34.91       | 26.28       | 00.018            | 1501.9      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 13.32           | 34.910      | 26.28       |                   | 1502.0      |      |     |       |     |     |      |    |
|                | OBS       | 00017       | 13.41           | 35.013      | 26.34       |                   | 1502.5      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 14.28           | 35.32       | 26.39       | 00.035            | 1505.8      |      |     |       |     |     |      |    |
|                | OBS       | 00022       | 15.00           | 35.576      | 26.43       |                   | 1508.5      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 15.20           | 35.60       | 26.40       | 00.051            | 1509.3      |      |     |       |     |     |      |    |
|                | STD       | 00050       | 15.48           | 35.70       | 26.42       | 00.084            | 1510.4      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | 15.48           | 35.710      | 26.43       |                   | 1510.6      |      |     |       |     |     |      |    |
|                | STD       | 00075       | 15.21           | 35.91       | 26.44       | 00.122            | 1510.4      |      |     |       |     |     |      |    |
|                | OBS       | 00076       | 15.20           | 35.910      | 26.45       |                   | 1510.4      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 15.16           | 35.92       | 26.46       | 00.158            | 1510.7      |      |     |       |     |     |      |    |
|                | OBS       | 00100       | 15.15           | 35.920      | 26.46       |                   | 1510.4      |      |     |       |     |     |      |    |
|                | OBS       | 00121       | 14.55           | 35.835      | 26.73       |                   | 1509.0      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 14.39           | 35.78       | 26.73       | 00.192            | 1508.5      |      |     |       |     |     |      |    |
|                | OBS       | 00127       | 14.28           | 35.750      | 26.72       |                   | 1508.1      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 14.04           | 35.70       | 26.74       | 00.226            | 1507.7      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | 14.02           | 35.700      | 26.74       |                   | 1507.6      |      |     |       |     |     |      |    |
|                | OBS       | 00159       | 14.18           | 35.730      | 26.73       |                   | 1508.3      |      |     |       |     |     |      |    |
|                | OBS       | 00177       | 14.04           | 35.717      | 26.75       |                   | 1508.1      |      |     |       |     |     |      |    |
|                | OBS       | 00180       | 14.00           | 35.700      | 26.75       |                   | 1508.0      |      |     |       |     |     |      |    |
|                | OBS       | 00184       | 13.75           | 35.703      | 26.80       |                   | 1507.3      |      |     |       |     |     |      |    |
|                | OBS       | 00190       | 13.29           | 35.582      | 26.80       |                   | 1505.7      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 13.25           | 35.58       | 26.81       | 00.293            | 1505.7      |      |     |       |     |     |      |    |
|                | OBS       | 00203       | 13.23           | 35.583      | 26.82       |                   | 1505.7      |      |     |       |     |     |      |    |
|                | OBS       | 00228       | 13.16           | 35.590      | 26.84       |                   | 1505.9      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 13.29           | 35.72       | 26.91       | 00.356            | 1506.8      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 13.30           | 35.730      | 26.91       |                   | 1506.9      |      |     |       |     |     |      |    |
|                | OBS       | 00258       | 13.16           | 35.700      | 26.92       |                   | 1506.5      |      |     |       |     |     |      |    |
|                | OBS       | 00276       | 12.26           | 35.520      | 26.96       |                   | 1503.5      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 11.82           | 35.53       | 27.05       | 00.414            | 1502.4      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 11.80           | 35.530      | 27.06       |                   | 1502.4      |      |     |       |     |     |      |    |
|                | OBS       | 00302       | 11.74           | 35.503      | 27.05       |                   | 1502.2      |      |     |       |     |     |      |    |
|                | OBS       | 00308       | 11.22           | 35.370      | 27.04       |                   | 1500.3      |      |     |       |     |     |      |    |
|                | OBS       | 00310       | 11.19           | 35.380      | 27.06       |                   | 1500.2      |      |     |       |     |     |      |    |
|                | OBS       | 00321       | 10.91           | 35.373      | 27.10       |                   | 1499.4      |      |     |       |     |     |      |    |
|                | OBS       | 00340       | 10.53           | 35.320      | 27.13       |                   | 1498.3      |      |     |       |     |     |      |    |
|                | OBS       | 00356       | 10.13           | 35.220      | 27.12       |                   | 1497.0      |      |     |       |     |     |      |    |
|                | OBS       | 00388       | 09.70           | 35.230      | 27.20       |                   | 1496.0      |      |     |       |     |     |      |    |
|                | OBS       | 00395       | 09.43           | 35.170      | 27.20       |                   | 1495.0      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 09.31           | 35.16       | 27.21       | 00.516            | 1494.6      |      |     |       |     |     |      |    |
|                | OBS       | 00401       | 09.26           | 35.150      | 27.21       |                   | 1494.5      |      |     |       |     |     |      |    |
|                | OBS       | 00451       | 08.45           | 35.140      | 27.33       |                   | 1492.2      |      |     |       |     |     |      |    |
|                | OBS       | 00460       | 08.29           | 35.120      | 27.34       |                   | 1491.6      |      |     |       |     |     |      |    |
|                | OBS       | 00472       | 07.93           | 35.036      | 27.33       |                   | 1490.5      |      |     |       |     |     |      |    |
|                | OBS       | 00494       | 07.46           | 35.030      | 27.40       |                   | 1489.0      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 07.03           | 34.93       | 27.38       | 00.603            | 1487.3      |      |     |       |     |     |      |    |
|                | OBS       | 00504       | 06.71           | 34.886      | 27.38       |                   | 1486.0      |      |     |       |     |     |      |    |
|                | OBS       | 00506       | 06.59           | 34.870      | 27.39       |                   | 1485.6      |      |     |       |     |     |      |    |
|                | OBS       | 00519       | 05.52           | 34.720      | 27.41       |                   | 1481.3      |      |     |       |     |     |      |    |
|                | OBS       | 00523       | 05.42           | 34.690      | 27.40       |                   | 1480.9      |      |     |       |     |     |      |    |
|                | OBS       | 00531       | 05.09           | 34.690      | 27.44       |                   | 1479.7      |      |     |       |     |     |      |    |
|                | OBS       | 00540       | 05.98           | 34.900      | 27.50       |                   | 1483.8      |      |     |       |     |     |      |    |
|                | OBS       | 00548       | 06.37           | 34.990      | 27.52       |                   | 1485.6      |      |     |       |     |     |      |    |
|                | OBS       | 00550       | 06.37           | 34.990      | 27.52       |                   | 1485.6      |      |     |       |     |     |      |    |
|                | OBS       | 00565       | 06.35           | 35.016      | 27.54       |                   | 1485.8      |      |     |       |     |     |      |    |
|                | OBS       | 00582       | 05.28           | 34.830      | 27.53       |                   | 1481.5      |      |     |       |     |     |      |    |
|                | OBS       | 00588       | 05.27           | 34.830      | 27.53       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | OBS       | 00599       | 04.61           | 34.785      | 27.57       |                   | 1479.0      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.62           | 34.79       | 27.57       | 00.672            | 1479.0      |      |     |       |     |     |      |    |
|                | OBS       | 00603       | 04.67           | 34.800      | 27.58       |                   | 1479.3      |      |     |       |     |     |      |    |
|                | OBS       | 00635       | 04.37           | 34.820      | 27.63       |                   | 1478.6      |      |     |       |     |     |      |    |
|                | OBS       | 00645       | 04.45           | 34.815      | 27.61       |                   | 1479.1      |      |     |       |     |     |      |    |
|                | OBS       | 00652       | 04.75           | 34.885      | 27.63       |                   | 1480.6      |      |     |       |     |     |      |    |
|                | OBS       | 00683       | 04.92           | 34.910      | 27.63       |                   | 1481.8      |      |     |       |     |     |      |    |
|                | STD       | 00700       | 05.12           | 34.99       | 27.68       | 00.727            | 1483.0      |      |     |       |     |     |      |    |
|                | OBS       | 00706       | 05.17           | 35.017      | 27.69       |                   | 1483.4      |      |     |       |     |     |      |    |
|                | OBS       | 00753       | 05.22           | 35.037      | 27.70       |                   | 1484.4      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 05.02           | 35.02       | 27.71       | 00.777            | 1484.3      |      |     |       |     |     |      |    |
|                | OBS       | 00801       | 05.01           | 35.020      | 27.71       |                   | 1484.3      |      |     |       |     |     |      |    |
|                | OBS       | 00850       | 04.84           | 35.035      | 27.74       |                   | 1484.5      |      |     |       |     |     |      |    |
|                | OBS       | 00864       | 04.53           | 34.990      | 27.74       |                   | 1483.3      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 04.34           | 34.98       | 27.76       | 00.824            | 1483.1      |      |     |       |     |     |      |    |
|                | OBS       | 00904       | 04.33           | 34.980      | 27.76       |                   | 1483.2      |      |     |       |     |     |      |    |
|                | OBS       | 00953       | 04.39           | 34.990      | 27.76       |                   | 1484.2      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 04.77           | 35.02       | 27.74       | 00.870            | 1486.6      |      |     |       |     |     |      |    |
|                | OBS       | 01003       | 04.77           | 35.020      | 27.74       |                   | 1486.7      |      |     |       |     |     |      |    |
|                | OBS       | 01020       | 04.72           | 35.040      | 27.76       |                   | 1486.8      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 03180 | AIR TEMP 08.0   | DIR MGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0092    | MONTH 06  | SHIP EV     | WET BULB 07.0   | 23 3 2      | WIND-SPD 12 | TRACE DIR         | 5 SQUARE 1  |
| LAT 42 09.5N   | DAY 09    | DATA USE 1  | BAROMETR 1013.2 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 20 |
| LONG 050 20.0W | MOOR 12.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | ORIG D11 582      | 1 SQUARE 20 |

|             |       |       |       |        |         |         |         |      |     |       |     |     |      |    |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDRTH | SND VEL | OXYG | P04 | TOT P | NO2 | NO3 | S103 | PH |
| 12.2        | STD   | 00000 | 08.33 | 33.65  | 26.18   | 00.000  | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 08.33 | 33.646 | 26.18   |         | 1482.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 08.27 | 33.66  | 26.20   | 00.018  | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 08.27 | 33.660 | 26.20   |         | 1482.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 08.28 | 33.68  | 26.22   | 00.037  | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 08.28 | 33.687 | 26.22   |         | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 08.43 | 33.765 | 26.26   |         | 1483.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 08.77 | 33.82  | 26.25   | 00.055  | 1484.8  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 09.12 | 33.903 | 26.26   |         | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 09.17 | 33.950 | 26.29   |         | 1486.6  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 07.75 | 33.650 | 26.27   |         | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 07.73 | 33.64  | 26.27   | 00.090  | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 07.64 | 33.640 | 26.28   |         | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 05.48 | 33.545 | 26.51   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | 03.00 | 33.310 | 26.56   |         | 1461.4  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 03.27 | 33.450 | 26.65   |         | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | 04.78 | 33.650 | 26.65   |         | 1469.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 04.78 | 33.65  | 26.65   | 00.130  | 1469.5  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 04.81 | 33.640 | 26.64   |         | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 09.94 | 34.700 | 26.75   |         | 1491.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 12.07 | 35.21  | 26.76   | 00.164  | 1499.6  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 12.16 | 35.240 | 26.76   |         | 1500.0  |      |     |       |     |     |      |    |
|             | OBS   | 00116 | 11.08 | 35.030 | 26.80   |         | 1496.2  |      |     |       |     |     |      |    |
|             | OBS   | 00119 | 10.99 | 35.030 | 26.82   |         | 1495.9  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | 11.73 | 35.240 | 26.85   |         | 1496.6  |      |     |       |     |     |      |    |
|             | OBS   | 00123 | 11.79 | 35.285 | 26.87   |         | 1499.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 11.76 | 35.27  | 26.86   | 00.196  | 1499.0  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 11.56 | 35.230 | 26.87   |         | 1498.4  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 11.42 | 35.230 | 26.90   |         | 1497.9  |      |     |       |     |     |      |    |
|             | OBS   | 00137 | 10.59 | 35.070 | 26.92   |         | 1496.9  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 10.31 | 35.020 | 26.93   |         | 1493.8  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 10.19 | 34.990 | 26.93   |         | 1493.4  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 09.81 | 34.910 | 26.93   |         | 1492.0  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 08.71 | 34.71  | 26.96   | 00.225  | 1487.7  |      |     |       |     |     |      |    |
|             | OBS   | 00158 | 06.40 | 33.990 | 26.96   |         | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 03.30 | 34.075 | 27.14   |         | 1465.5  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 03.80 | 34.135 | 27.14   |         | 1467.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.86 | 34.13  | 27.13   | 00.278  | 1468.4  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 03.87 | 34.130 | 27.13   |         | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00209 | 03.88 | 34.140 | 27.14   |         | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 04.22 | 34.197 | 27.15   |         | 1470.2  |      |     |       |     |     |      |    |
|             | OBS   | 00218 | 04.33 | 34.200 | 27.14   |         | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 03.86 | 34.140 | 27.14   |         | 1468.8  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 03.83 | 34.130 | 27.13   |         | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00239 | 03.79 | 34.120 | 27.13   |         | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00249 | 02.40 | 33.980 | 27.15   |         | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.40 | 33.98  | 27.15   | 00.325  | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 02.40 | 33.985 | 27.15   |         | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00257 | 02.25 | 33.990 | 27.17   |         | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00268 | 01.22 | 33.900 | 27.17   |         | 1457.7  |      |     |       |     |     |      |    |
|             | OBS   | 00279 | 01.68 | 33.980 | 27.20   |         | 1460.1  |      |     |       |     |     |      |    |
|             | OBS   | 00287 | 01.68 | 34.010 | 27.23   |         | 1460.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.04 | 34.13  | 27.30   | 00.369  | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.07 | 34.140 | 27.30   |         | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00310 | 02.54 | 34.185 | 27.30   |         | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00314 | 02.75 | 34.210 | 27.30   |         | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00319 | 04.06 | 34.450 | 27.36   |         | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00321 | 04.15 | 34.460 | 27.36   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00333 | 05.78 | 34.690 | 27.36   |         | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00344 | 05.53 | 34.650 | 27.36   |         | 1478.4  |      |     |       |     |     |      |    |
|             | OBS   | 00359 | 03.22 | 34.320 | 27.34   |         | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00369 | 03.38 | 34.350 | 27.35   |         | 1469.4  |      |     |       |     |     |      |    |
|             | OBS   | 00384 | 05.85 | 34.840 | 27.47   |         | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00386 | 05.94 | 34.830 | 27.45   |         | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00394 | 06.97 | 35.040 | 27.47   |         | 1485.5  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 07.02 | 35.03  | 27.46   | 00.443  | 1485.7  |      |     |       |     |     |      |    |
|             | OBS   | 00403 | 07.05 | 35.030 | 27.46   |         | 1485.9  |      |     |       |     |     |      |    |
|             | OBS   | 00416 | 07.19 | 35.135 | 27.52   |         | 1486.8  |      |     |       |     |     |      |    |
|             | OBS   | 00439 | 06.36 | 35.020 | 27.54   |         | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 06.22 | 35.010 | 27.55   |         | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00462 | 06.08 | 35.000 | 27.56   |         | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 00474 | 05.31 | 34.880 | 27.56   |         | 1479.9  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.59 | 34.83  | 27.61   | 00.505  | 1477.3  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.58 | 34.830 | 27.61   |         | 1477.3  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 04.76 | 34.890 | 27.64   |         | 1479.0  |      |     |       |     |     |      |    |
|             | OBS   | 00565 | 05.06 | 34.945 | 27.65   |         | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 05.17 | 35.00  | 27.68   | 00.557  | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 05.17 | 35.000 | 27.68   |         | 1481.6  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 05.41 | 35.04  | 27.68   | 00.608  | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 05.42 | 35.040 | 27.68   |         | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 05.21 | 35.020 | 27.69   |         | 1484.3  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 05.07 | 35.04  | 27.72   | 00.658  | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 05.06 | 35.040 | 27.72   |         | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.85 | 35.020 | 27.73   |         | 1484.5  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.80 | 35.01  | 27.73   | 00.706  | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.80 | 35.010 | 27.73   |         | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.63 | 35.040 | 27.77   |         | 1485.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.47 | 35.01  | 27.76   | 00.753  | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.47 | 35.010 | 27.76   |         | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 01035 | 04.38 | 35.010 | 27.77   |         | 1485.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 02433 | AIR TEMP 12.2    | DIR WGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0093    | MONTH 06  | SHIP EV     | WET BULB 09.3    | 00 0 X      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 1  |
| LAT 42 23.5N   | DAY 09    | DATA USE 1  | BAROMETER 1006.0 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 20 |
| LONG 050 19.0W | HOUR 15.1 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | DRIG 011 5830014  | 1 SQUARE 20 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.1        | STD   | 00000 | 08.09 | 33.64  | 26.21   | 00.000  | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 08.09 | 33.640 | 26.21   |         | 1481.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 07.89 | 33.65  | 26.25   | 00.018  | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 07.88 | 33.650 | 26.25   |         | 1480.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 07.90 | 33.64  | 26.24   | 00.036  | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 07.90 | 33.640 | 26.24   |         | 1481.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 07.89 | 33.65  | 26.25   | 00.054  | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 07.89 | 33.650 | 26.25   |         | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 07.70 | 33.600 | 26.24   |         | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 06.81 | 33.533 | 26.31   |         | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 06.39 | 33.660 | 26.47   |         | 1475.6  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 06.44 | 33.830 | 26.59   |         | 1476.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 07.65 | 34.06  | 26.61   | 00.086  | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 08.00 | 34.150 | 26.63   |         | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 08.07 | 34.210 | 26.66   |         | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 06.54 | 34.320 | 26.68   |         | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | 09.11 | 34.547 | 26.77   |         | 1487.6  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 09.81 | 34.820 | 26.86   |         | 1490.6  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | 10.42 | 34.937 | 26.85   |         | 1492.9  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | 07.95 | 34.440 | 26.86   |         | 1483.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 07.94 | 34.44  | 26.86   | 00.119  | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 07.91 | 34.480 | 26.90   |         | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 05.50 | 34.980 | 26.67   |         | 1491.4  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 05.81 | 34.965 | 26.98   |         | 1491.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 09.94 | 35.03  | 27.01   | 00.148  | 1491.9  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 10.04 | 35.063 | 27.01   |         | 1492.3  |      |     |       |     |     |      |    |
|             | OBS   | 00110 | 10.44 | 35.160 | 27.02   |         | 1494.0  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | 10.42 | 35.170 | 27.03   |         | 1494.0  |      |     |       |     |     |      |    |
|             | OBS   | 00116 | 10.65 | 35.240 | 27.04   |         | 1494.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 10.37 | 35.18  | 27.05   | 00.174  | 1494.0  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 10.20 | 35.160 | 27.06   |         | 1493.4  |      |     |       |     |     |      |    |
|             | OBS   | 00135 | 09.94 | 35.140 | 27.09   |         | 1492.6  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 05.33 | 35.020 | 27.10   |         | 1490.3  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 07.53 | 34.72  | 27.08   | 00.200  | 1484.8  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 07.70 | 34.680 | 27.09   |         | 1483.5  |      |     |       |     |     |      |    |
|             | OBS   | 00156 | 07.55 | 34.675 | 27.11   |         | 1483.3  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 07.26 | 34.667 | 27.14   |         | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 00165 | 06.56 | 34.650 | 27.17   |         | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00171 | 06.51 | 34.650 | 27.18   |         | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00196 | 08.74 | 35.023 | 27.20   |         | 1489.0  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 08.73 | 35.03  | 27.20   | 00.248  | 1489.0  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 08.73 | 35.036 | 27.20   |         | 1489.0  |      |     |       |     |     |      |    |
|             | OBS   | 00207 | 08.50 | 34.993 | 27.21   |         | 1488.2  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 08.05 | 34.880 | 27.19   |         | 1486.5  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 07.80 | 34.900 | 27.25   |         | 1485.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 07.71 | 34.87  | 27.24   | 00.294  | 1485.7  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 07.70 | 34.870 | 27.24   |         | 1485.7  |      |     |       |     |     |      |    |
|             | OBS   | 00268 | 07.52 | 34.880 | 27.27   |         | 1485.3  |      |     |       |     |     |      |    |
|             | OBS   | 00272 | 07.70 | 34.905 | 27.26   |         | 1486.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 07.66 | 34.910 | 27.27   |         | 1486.0  |      |     |       |     |     |      |    |
|             | OBS   | 00281 | 07.67 | 34.955 | 27.31   |         | 1486.2  |      |     |       |     |     |      |    |
|             | OBS   | 00287 | 07.91 | 35.020 | 27.32   |         | 1487.3  |      |     |       |     |     |      |    |
|             | OBS   | 00293 | 07.84 | 34.990 | 27.31   |         | 1487.1  |      |     |       |     |     |      |    |
|             | OBS   | 00298 | 05.76 | 34.660 | 27.34   |         | 1478.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.57 | 34.70  | 27.34   | 00.335  | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00312 | 06.32 | 34.790 | 27.37   |         | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00316 | 05.70 | 34.663 | 27.35   |         | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00333 | 05.39 | 34.640 | 27.37   |         | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00338 | 05.69 | 34.685 | 27.36   |         | 1479.0  |      |     |       |     |     |      |    |
|             | OBS   | 00346 | 06.28 | 34.830 | 27.40   |         | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 06.29 | 34.823 | 27.40   |         | 1481.8  |      |     |       |     |     |      |    |
|             | OBS   | 00397 | 06.16 | 34.870 | 27.45   |         | 1482.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.97 | 34.83  | 27.44   | 00.410  | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 05.87 | 34.810 | 27.44   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00407 | 05.83 | 34.853 | 27.48   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00413 | 06.10 | 34.890 | 27.47   |         | 1482.1  |      |     |       |     |     |      |    |
|             | OBS   | 00428 | 06.04 | 35.040 | 27.49   |         | 1485.5  |      |     |       |     |     |      |    |
|             | OBS   | 00447 | 06.25 | 35.000 | 27.54   |         | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00454 | 06.43 | 35.030 | 27.54   |         | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00456 | 06.41 | 35.040 | 27.55   |         | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00462 | 06.66 | 35.120 | 27.58   |         | 1485.5  |      |     |       |     |     |      |    |
|             | OBS   | 00468 | 05.57 | 35.010 | 27.59   |         | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00479 | 04.85 | 34.830 | 27.58   |         | 1478.1  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.13 | 34.94  | 27.63   | 00.471  | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 05.14 | 34.940 | 27.63   |         | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00517 | 04.88 | 34.890 | 27.62   |         | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00544 | 04.38 | 34.870 | 27.66   |         | 1477.2  |      |     |       |     |     |      |    |
|             | OBS   | 00592 | 04.67 | 34.900 | 27.66   |         | 1479.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.55 | 34.90  | 27.66   | 00.523  | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00603 | 04.52 | 34.893 | 27.67   |         | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00622 | 04.54 | 34.950 | 27.71   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00644 | 04.94 | 35.014 | 27.71   |         | 1481.7  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.99 | 35.03  | 27.72   | 00.571  | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00702 | 04.99 | 35.030 | 27.72   |         | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00751 | 04.99 | 35.040 | 27.73   |         | 1483.4  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.84 | 35.04  | 27.73   | 00.617  | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00803 | 04.83 | 35.040 | 27.73   |         | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.72 | 35.030 | 27.75   |         | 1484.0  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.67 | 35.03  | 27.76   | 00.663  | 1484.6  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.67 | 35.030 | 27.76   |         | 1484.6  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.58 | 35.030 | 27.77   |         | 1485.1  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.51 | 35.02  | 27.77   | 00.707  | 1485.6  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.51 | 35.020 | 27.77   |         | 1485.6  |      |     |       |     |     |      |    |
|             | OBS   | 01016 | 04.49 | 35.020 | 27.77   |         | 1485.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REF ID: A1 8370 YEAR 1974 BOTDP 01650 AIR TEMP 12.5 OIR HGT PER WIND-DIR 16 INST STD RECORDER TEN SQ 1307  
 CONSEC 0094 MONTH 06 SHIP EV WET BULB 10.9 14 3 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 1  
 LAT 42 38.2N DAY 09 DATA USE 1 BAROMETER 1005.8 SEA CL/TRA WIND-FOR DURATION 00.6 2 SQUARE 20  
 LONG 050 19.0W HOUR 17.2 AREA 05 CLOUD T/A WEATHER XS ORIG 011 5040020 1 SQUARE 20

| CASSTNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 17.2          | STD     | 00000 | 07.03 | 32.90  | 25.78   | 00.000   | 1476.4  |      |     |       |     |     |      |    |
|               | OBS     | 00001 | 07.03 | 32.900 | 25.78   |          | 1476.4  |      |     |       |     |     |      |    |
|               | OBS     | 00007 | 07.06 | 33.060 | 25.91   |          | 1476.9  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 07.44 | 33.36  | 26.06   | 00.021   | 1479.6  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 07.89 | 33.480 | 26.12   |          | 1480.7  |      |     |       |     |     |      |    |
|               | OBS     | 00015 | 08.26 | 33.560 | 26.13   |          | 1482.3  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 08.17 | 33.61  | 26.17   | 00.040   | 1482.1  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 08.15 | 33.610 | 26.18   |          | 1482.0  |      |     |       |     |     |      |    |
|               | OBS     | 00026 | 07.93 | 33.613 | 26.22   |          | 1481.3  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 08.09 | 33.77  | 26.31   | 00.058   | 1482.2  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 08.13 | 33.780 | 26.32   |          | 1482.3  |      |     |       |     |     |      |    |
|               | OBS     | 00032 | 08.30 | 33.800 | 26.31   |          | 1483.0  |      |     |       |     |     |      |    |
|               | OBS     | 00034 | 07.76 | 33.750 | 26.33   |          | 1480.9  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | 07.73 | 33.750 | 26.34   |          | 1480.9  |      |     |       |     |     |      |    |
|               | OBS     | 00043 | 09.28 | 34.130 | 26.41   |          | 1487.3  |      |     |       |     |     |      |    |
|               | OBS     | 00045 | 09.34 | 34.160 | 26.43   |          | 1487.6  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 09.27 | 34.16  | 26.44   | 00.091   | 1487.4  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 09.14 | 34.157 | 26.46   |          | 1487.0  |      |     |       |     |     |      |    |
|               | OBS     | 00059 | 07.53 | 33.863 | 26.47   |          | 1480.6  |      |     |       |     |     |      |    |
|               | OBS     | 00060 | 07.62 | 33.930 | 26.51   |          | 1481.1  |      |     |       |     |     |      |    |
|               | OBS     | 00062 | 08.34 | 34.080 | 26.52   |          | 1484.1  |      |     |       |     |     |      |    |
|               | OBS     | 00068 | 08.20 | 34.125 | 26.58   |          | 1483.7  |      |     |       |     |     |      |    |
|               | OBS     | 00070 | 08.48 | 34.275 | 26.65   |          | 1485.0  |      |     |       |     |     |      |    |
|               | STD     | 00075 | 08.37 | 34.31  | 26.70   | 00.128   | 1484.7  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | 08.34 | 34.343 | 26.73   |          | 1484.6  |      |     |       |     |     |      |    |
|               | OBS     | 00078 | 08.65 | 34.410 | 26.73   |          | 1485.9  |      |     |       |     |     |      |    |
|               | OBS     | 00079 | 08.73 | 34.440 | 26.74   |          | 1486.3  |      |     |       |     |     |      |    |
|               | OBS     | 00081 | 09.00 | 34.510 | 26.75   |          | 1487.4  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 09.64 | 34.76  | 26.85   | 00.161   | 1490.4  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | 09.68 | 34.775 | 26.85   |          | 1490.6  |      |     |       |     |     |      |    |
|               | OBS     | 00112 | 10.35 | 34.975 | 26.89   |          | 1493.5  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 10.52 | 34.99  | 26.87   | 00.191   | 1494.3  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | 10.52 | 34.990 | 26.87   |          | 1494.3  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 10.22 | 34.98  | 26.92   | 00.221   | 1493.6  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | 10.22 | 34.980 | 26.92   |          | 1493.6  |      |     |       |     |     |      |    |
|               | OBS     | 00152 | 10.20 | 34.980 | 26.92   |          | 1493.6  |      |     |       |     |     |      |    |
|               | OBS     | 00156 | 09.59 | 34.840 | 26.92   |          | 1491.2  |      |     |       |     |     |      |    |
|               | OBS     | 00165 | 09.03 | 34.750 | 26.94   |          | 1489.2  |      |     |       |     |     |      |    |
|               | OBS     | 00169 | 08.40 | 34.635 | 26.95   |          | 1486.7  |      |     |       |     |     |      |    |
|               | OBS     | 00173 | 08.32 | 34.660 | 26.98   |          | 1486.5  |      |     |       |     |     |      |    |
|               | OBS     | 00180 | 09.44 | 34.950 | 27.03   |          | 1491.2  |      |     |       |     |     |      |    |
|               | OBS     | 00186 | 09.56 | 34.990 | 27.04   |          | 1491.8  |      |     |       |     |     |      |    |
|               | OBS     | 00196 | 08.85 | 34.850 | 27.04   |          | 1489.2  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 08.78 | 34.84  | 27.04   | 00.278   | 1489.0  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 08.77 | 34.830 | 27.04   |          | 1488.9  |      |     |       |     |     |      |    |
|               | OBS     | 00203 | 08.77 | 34.860 | 27.07   |          | 1489.0  |      |     |       |     |     |      |    |
|               | OBS     | 00209 | 09.73 | 35.100 | 27.10   |          | 1493.0  |      |     |       |     |     |      |    |
|               | OBS     | 00211 | 09.73 | 35.100 | 27.10   |          | 1493.0  |      |     |       |     |     |      |    |
|               | OBS     | 00215 | 10.07 | 35.200 | 27.12   |          | 1494.6  |      |     |       |     |     |      |    |
|               | OBS     | 00226 | 10.02 | 35.180 | 27.11   |          | 1494.4  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 09.39 | 35.12  | 27.17   | 00.328   | 1492.4  |      |     |       |     |     |      |    |
|               | OBS     | 00251 | 09.36 | 35.120 | 27.17   |          | 1492.3  |      |     |       |     |     |      |    |
|               | OBS     | 00272 | 08.88 | 35.100 | 27.24   |          | 1490.8  |      |     |       |     |     |      |    |
|               | OBS     | 00289 | 08.37 | 34.990 | 27.23   |          | 1489.1  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 07.85 | 35.00  | 27.32   | 00.373   | 1487.3  |      |     |       |     |     |      |    |
|               | OBS     | 00300 | 07.82 | 35.000 | 27.32   |          | 1487.2  |      |     |       |     |     |      |    |
|               | OBS     | 00304 | 07.71 | 34.985 | 27.33   |          | 1486.8  |      |     |       |     |     |      |    |
|               | OBS     | 00316 | 07.03 | 34.860 | 27.32   |          | 1484.2  |      |     |       |     |     |      |    |
|               | OBS     | 00321 | 06.10 | 34.740 | 27.36   |          | 1480.4  |      |     |       |     |     |      |    |
|               | OBS     | 00323 | 06.01 | 34.740 | 27.37   |          | 1480.1  |      |     |       |     |     |      |    |
|               | OBS     | 00335 | 05.31 | 34.645 | 27.38   |          | 1477.3  |      |     |       |     |     |      |    |
|               | OBS     | 00352 | 05.20 | 34.650 | 27.40   |          | 1477.2  |      |     |       |     |     |      |    |
|               | OBS     | 00386 | 05.09 | 34.750 | 27.49   |          | 1477.4  |      |     |       |     |     |      |    |
|               | OBS     | 00397 | 04.41 | 34.650 | 27.49   |          | 1474.7  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 04.42 | 34.68  | 27.51   | 00.445   | 1474.8  |      |     |       |     |     |      |    |
|               | OBS     | 00407 | 04.44 | 34.750 | 27.56   |          | 1475.1  |      |     |       |     |     |      |    |
|               | OBS     | 00451 | 04.49 | 34.800 | 27.60   |          | 1476.1  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 03.97 | 34.79  | 27.64   | 00.502   | 1474.7  |      |     |       |     |     |      |    |
|               | OBS     | 00500 | 03.96 | 34.790 | 27.65   |          | 1474.7  |      |     |       |     |     |      |    |
|               | OBS     | 00532 | 03.61 | 34.760 | 27.66   |          | 1476.0  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 03.69 | 34.78  | 27.67   | 00.551   | 1475.1  |      |     |       |     |     |      |    |
|               | OBS     | 00601 | 03.69 | 34.785 | 27.67   |          | 1475.2  |      |     |       |     |     |      |    |
|               | OBS     | 00651 | 03.79 | 34.780 | 27.65   |          | 1476.4  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 03.86 | 34.83  | 27.69   | 00.600   | 1477.6  |      |     |       |     |     |      |    |
|               | OBS     | 00702 | 03.86 | 34.835 | 27.69   |          | 1477.6  |      |     |       |     |     |      |    |
|               | OBS     | 00750 | 03.90 | 34.860 | 27.71   |          | 1478.6  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 03.91 | 34.84  | 27.69   | 00.648   | 1479.5  |      |     |       |     |     |      |    |
|               | OBS     | 00803 | 03.91 | 34.840 | 27.69   |          | 1479.5  |      |     |       |     |     |      |    |
|               | OBS     | 00850 | 03.86 | 34.840 | 27.70   |          | 1480.1  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 03.84 | 34.84  | 27.70   | 00.697   | 1480.9  |      |     |       |     |     |      |    |
|               | OBS     | 00900 | 03.84 | 34.845 | 27.70   |          | 1480.9  |      |     |       |     |     |      |    |
|               | OBS     | 00951 | 03.84 | 34.860 | 27.71   |          | 1481.7  |      |     |       |     |     |      |    |
|               | OBS     | 00997 | 03.82 | 34.870 | 27.72   |          | 1482.4  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 03.81 | 34.88  | 27.72   | 00.745   | 1482.4  |      |     |       |     |     |      |    |
|               | OBS     | 01001 | 03.80 | 34.860 | 27.72   |          | 1482.4  |      |     |       |     |     |      |    |
|               | OBS     | 01012 | 03.80 | 34.860 | 27.72   |          | 1482.4  |      |     |       |     |     |      |    |
|               | OBS     | 01024 | 03.80 | 34.870 | 27.73   |          | 1482.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00921 | AIR TEMP 08.8   | DIR HGT PER | WIND-DIR 03 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0095    | MONTH 04  | SHIP EV     | WET BULB 08.6   | 23 1 2      | WIND-SPD 04 | TRACE DIR D       | 5 SQUARE 1  |
| LAT 42 44.3N   | DAY 09    | DATA USE 1  | BAROMETR 1002.4 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 20 |
| LONG 090 18.3W | MOOR 20.1 | AREA 03     | CLOUD T/A       | CL/T/A      | WEATHER X6  | ORIG 011 5850016  | 1 SQUARE 20 |

| CASHTIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPHT | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|----------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 20.1     | STD   | 00000 | 05.76 | 32.69  | 25.78   | 00.000  | 1471.1  |      |     |       |     |     |      |    |
|          | OBS   | 00003 | 05.76 | 32.690 | 25.78   |         | 1471.1  |      |     |       |     |     |      |    |
|          | OBS   | 00007 | 05.76 | 32.680 | 25.77   |         | 1471.2  |      |     |       |     |     |      |    |
|          | STD   | 00010 | 05.73 | 32.68  | 25.78   | 00.022  | 1471.1  |      |     |       |     |     |      |    |
|          | OBS   | 00011 | 05.71 | 32.680 | 25.78   |         | 1471.0  |      |     |       |     |     |      |    |
|          | STD   | 00020 | 05.54 | 32.71  | 25.82   | 00.044  | 1470.5  |      |     |       |     |     |      |    |
|          | OBS   | 00020 | 05.53 | 32.710 | 25.82   |         | 1470.5  |      |     |       |     |     |      |    |
|          | OBS   | 00022 | 05.50 | 32.710 | 25.83   |         | 1470.4  |      |     |       |     |     |      |    |
|          | OBS   | 00024 | 05.60 | 32.900 | 25.97   |         | 1471.1  |      |     |       |     |     |      |    |
|          | OBS   | 00028 | 07.34 | 33.410 | 26.14   |         | 1478.8  |      |     |       |     |     |      |    |
|          | STD   | 00030 | 07.43 | 33.45  | 26.16   | 00.065  | 1479.2  |      |     |       |     |     |      |    |
|          | OBS   | 00030 | 07.47 | 33.460 | 26.16   |         | 1479.4  |      |     |       |     |     |      |    |
|          | OBS   | 00034 | 07.89 | 33.600 | 26.21   |         | 1481.2  |      |     |       |     |     |      |    |
|          | OBS   | 00036 | 04.73 | 33.400 | 26.22   |         | 1476.5  |      |     |       |     |     |      |    |
|          | OBS   | 00038 | 06.23 | 33.560 | 26.41   |         | 1474.7  |      |     |       |     |     |      |    |
|          | OBS   | 00041 | 04.02 | 33.700 | 26.55   |         | 1474.1  |      |     |       |     |     |      |    |
|          | OBS   | 00049 | 10.61 | 34.720 | 26.65   |         | 1493.0  |      |     |       |     |     |      |    |
|          | STD   | 00050 | 10.74 | 34.76  | 26.66   | 00.097  | 1493.6  |      |     |       |     |     |      |    |
|          | OBS   | 00053 | 11.15 | 34.910 | 26.70   |         | 1495.3  |      |     |       |     |     |      |    |
|          | OBS   | 00057 | 10.76 | 34.820 | 26.70   |         | 1493.8  |      |     |       |     |     |      |    |
|          | OBS   | 00064 | 12.00 | 35.140 | 26.72   |         | 1498.7  |      |     |       |     |     |      |    |
|          | OBS   | 00070 | 12.14 | 35.210 | 26.74   |         | 1499.4  |      |     |       |     |     |      |    |
|          | STD   | 00075 | 12.39 | 35.27  | 26.74   | 00.132  | 1500.4  |      |     |       |     |     |      |    |
|          | OBS   | 00076 | 12.44 | 35.280 | 26.74   |         | 1500.6  |      |     |       |     |     |      |    |
|          | STD   | 00100 | 12.57 | 35.36  | 26.77   | 00.165  | 1501.5  |      |     |       |     |     |      |    |
|          | OBS   | 00100 | 12.57 | 35.360 | 26.78   |         | 1501.5  |      |     |       |     |     |      |    |
|          | OBS   | 00102 | 12.44 | 35.330 | 26.78   |         | 1501.1  |      |     |       |     |     |      |    |
|          | OBS   | 00106 | 12.04 | 35.230 | 26.78   |         | 1499.6  |      |     |       |     |     |      |    |
|          | OBS   | 00112 | 11.99 | 35.140 | 26.79   |         | 1498.1  |      |     |       |     |     |      |    |
|          | OBS   | 00118 | 11.63 | 35.210 | 26.84   |         | 1498.4  |      |     |       |     |     |      |    |
|          | OBS   | 00121 | 12.29 | 35.420 | 26.88   |         | 1501.0  |      |     |       |     |     |      |    |
|          | STD   | 00125 | 12.27 | 35.41  | 26.88   | 00.196  | 1500.9  |      |     |       |     |     |      |    |
|          | OBS   | 00125 | 12.26 | 35.410 | 26.88   |         | 1500.9  |      |     |       |     |     |      |    |
|          | OBS   | 00135 | 12.14 | 35.370 | 26.87   |         | 1500.6  |      |     |       |     |     |      |    |
|          | STD   | 00150 | 11.30 | 35.25  | 26.94   | 00.226  | 1497.8  |      |     |       |     |     |      |    |
|          | OBS   | 00150 | 11.28 | 35.250 | 26.94   |         | 1497.7  |      |     |       |     |     |      |    |
|          | OBS   | 00175 | 10.30 | 35.150 | 27.04   |         | 1494.5  |      |     |       |     |     |      |    |
|          | OBS   | 00192 | 10.26 | 35.170 | 27.06   |         | 1494.7  |      |     |       |     |     |      |    |
|          | OBS   | 00198 | 09.44 | 34.990 | 27.06   |         | 1491.6  |      |     |       |     |     |      |    |
|          | STD   | 00200 | 09.04 | 34.91  | 27.06   | 00.281  | 1490.0  |      |     |       |     |     |      |    |
|          | OBS   | 00201 | 08.80 | 34.860 | 27.06   |         | 1489.1  |      |     |       |     |     |      |    |
|          | OBS   | 00207 | 08.79 | 34.890 | 27.09   |         | 1489.2  |      |     |       |     |     |      |    |
|          | OBS   | 00211 | 07.99 | 34.730 | 27.06   |         | 1486.0  |      |     |       |     |     |      |    |
|          | OBS   | 00218 | 07.81 | 34.740 | 27.10   |         | 1485.8  |      |     |       |     |     |      |    |
|          | OBS   | 00220 | 07.66 | 34.700 | 27.11   |         | 1484.8  |      |     |       |     |     |      |    |
|          | OBS   | 00224 | 06.22 | 34.830 | 27.13   |         | 1487.2  |      |     |       |     |     |      |    |
|          | OBS   | 00226 | 08.17 | 34.830 | 27.13   |         | 1487.1  |      |     |       |     |     |      |    |
|          | OBS   | 00237 | 08.22 | 34.830 | 27.13   |         | 1487.4  |      |     |       |     |     |      |    |
|          | OBS   | 00247 | 05.69 | 34.390 | 27.13   |         | 1477.1  |      |     |       |     |     |      |    |
|          | STD   | 00250 | 05.35 | 34.35  | 27.14   | 00.332  | 1475.7  |      |     |       |     |     |      |    |
|          | OBS   | 00255 | 04.82 | 34.290 | 27.16   |         | 1473.5  |      |     |       |     |     |      |    |
|          | OBS   | 00270 | 04.51 | 34.360 | 27.23   |         | 1472.5  |      |     |       |     |     |      |    |
|          | OBS   | 00272 | 04.21 | 34.350 | 27.27   |         | 1471.3  |      |     |       |     |     |      |    |
|          | OBS   | 00274 | 04.19 | 34.460 | 27.36   |         | 1471.4  |      |     |       |     |     |      |    |
|          | OBS   | 00281 | 03.34 | 34.430 | 27.42   |         | 1467.9  |      |     |       |     |     |      |    |
|          | OBS   | 00289 | 04.10 | 34.520 | 27.42   |         | 1471.4  |      |     |       |     |     |      |    |
|          | OBS   | 00295 | 04.22 | 34.550 | 27.43   |         | 1472.0  |      |     |       |     |     |      |    |
|          | STD   | 00300 | 03.96 | 34.55  | 27.45   | 00.373  | 1471.0  |      |     |       |     |     |      |    |
|          | OBS   | 00300 | 03.95 | 34.550 | 27.46   |         | 1471.0  |      |     |       |     |     |      |    |
|          | OBS   | 00308 | 04.40 | 34.680 | 27.51   |         | 1473.2  |      |     |       |     |     |      |    |
|          | OBS   | 00335 | 04.51 | 34.770 | 27.57   |         | 1474.2  |      |     |       |     |     |      |    |
|          | OBS   | 00350 | 03.99 | 34.710 | 27.58   |         | 1472.2  |      |     |       |     |     |      |    |
|          | OBS   | 00356 | 03.92 | 34.690 | 27.57   |         | 1472.0  |      |     |       |     |     |      |    |
|          | STD   | 00400 | 03.67 | 34.72  | 27.62   | 00.432  | 1471.7  |      |     |       |     |     |      |    |
|          | OBS   | 00403 | 03.66 | 34.720 | 27.62   |         | 1471.7  |      |     |       |     |     |      |    |
|          | OBS   | 00451 | 03.62 | 34.740 | 27.64   |         | 1472.3  |      |     |       |     |     |      |    |
|          | STD   | 00500 | 03.65 | 34.76  | 27.65   | 00.482  | 1473.3  |      |     |       |     |     |      |    |
|          | OBS   | 00500 | 03.65 | 34.760 | 27.65   |         | 1473.3  |      |     |       |     |     |      |    |
|          | OBS   | 00530 | 03.64 | 34.760 | 27.65   |         | 1474.1  |      |     |       |     |     |      |    |
|          | STD   | 00600 | 03.72 | 34.79  | 27.67   | 00.531  | 1475.3  |      |     |       |     |     |      |    |
|          | OBS   | 00601 | 03.72 | 34.790 | 27.67   |         | 1475.3  |      |     |       |     |     |      |    |
|          | OBS   | 00651 | 03.85 | 34.810 | 27.67   |         | 1476.7  |      |     |       |     |     |      |    |
|          | STD   | 00700 | 03.94 | 34.83  | 27.68   | 00.580  | 1477.9  |      |     |       |     |     |      |    |
|          | OBS   | 00700 | 03.94 | 34.830 | 27.68   |         | 1477.9  |      |     |       |     |     |      |    |
|          | OBS   | 00750 | 03.92 | 34.840 | 27.69   |         | 1478.7  |      |     |       |     |     |      |    |
|          | STD   | 00800 | 03.88 | 34.85  | 27.70   | 00.628  | 1479.4  |      |     |       |     |     |      |    |
|          | OBS   | 00850 | 03.88 | 34.850 | 27.70   |         | 1480.2  |      |     |       |     |     |      |    |
|          | OBS   | 00892 | 03.90 | 34.850 | 27.70   |         | 1481.0  |      |     |       |     |     |      |    |
|          | STD   | 00900 | 03.90 | 34.85  | 27.70   | 00.677  | 1481.1  |      |     |       |     |     |      |    |
|          | OBS   | 00900 | 03.90 | 34.850 | 27.70   |         | 1481.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00252 AIA TEMP 07.5 DIR MGT PER WIND-DIR 03 INST STD RECORDER TEN SQ 1307  
 CONSEC 0096 MONTH 06 SWIP EV MET BULB 07.5 WIND-SPD 04 TRACE DIR D 5 SQUARE 1  
 LAT 42 50.0N DAY 09 DATA USE 1 BAROMETER 1000.0 SEA WIND-FOR DURATION 00.3 2 SQUARE 20  
 LONG 050 17.0W HOUR 22.0 AREA 05 CLOUD T/A CL/TR WEATHER X5 ORIG 011 5840019 1 SQUARE 20

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 22.0 STD    | 00000 | 05.29 | 32.51  | 25.69 | 00.000  | 1468.9 |         |      |     |       |     |     |      |    |
| OBS         | 00005 | 05.29 | 32.510 | 25.69 |         | 1469.0 |         |      |     |       |     |     |      |    |
| STD         | 00010 | 05.26 | 32.56  | 25.73 | 00.023  | 1469.0 |         |      |     |       |     |     |      |    |
| OBS         | 00011 | 05.24 | 32.570 | 25.75 |         | 1468.9 |         |      |     |       |     |     |      |    |
| STD         | 00020 | 05.06 | 32.64  | 25.83 | 00.045  | 1468.4 |         |      |     |       |     |     |      |    |
| OBS         | 00020 | 05.03 | 32.650 | 25.83 |         | 1468.3 |         |      |     |       |     |     |      |    |
| STD         | 00030 | 04.75 | 32.71  | 25.91 | 00.067  | 1467.4 |         |      |     |       |     |     |      |    |
| OBS         | 00032 | 04.58 | 32.730 | 25.95 |         | 1466.8 |         |      |     |       |     |     |      |    |
| OBS         | 00034 | 04.42 | 32.720 | 25.95 |         | 1466.1 |         |      |     |       |     |     |      |    |
| OBS         | 00036 | 04.02 | 32.830 | 26.08 |         | 1466.6 |         |      |     |       |     |     |      |    |
| OBS         | 00045 | 03.18 | 33.020 | 26.31 |         | 1461.4 |         |      |     |       |     |     |      |    |
| OBS         | 00049 | 03.42 | 33.040 | 26.31 |         | 1462.6 |         |      |     |       |     |     |      |    |
| STD         | 00050 | 04.14 | 33.16  | 26.33 | 00.105  | 1465.8 |         |      |     |       |     |     |      |    |
| OBS         | 00051 | 05.85 | 33.450 | 26.37 |         | 1473.3 |         |      |     |       |     |     |      |    |
| OBS         | 00055 | 08.09 | 33.860 | 26.39 |         | 1482.7 |         |      |     |       |     |     |      |    |
| OBS         | 00068 | 09.27 | 34.230 | 26.49 |         | 1487.8 |         |      |     |       |     |     |      |    |
| STD         | 00075 | 08.89 | 34.17  | 26.50 | 00.145  | 1486.5 |         |      |     |       |     |     |      |    |
| OBS         | 00076 | 08.84 | 34.160 | 26.51 |         | 1486.3 |         |      |     |       |     |     |      |    |
| OBS         | 00085 | 08.47 | 34.160 | 26.56 |         | 1485.0 |         |      |     |       |     |     |      |    |
| OBS         | 00090 | 05.76 | 33.680 | 26.56 |         | 1473.9 |         |      |     |       |     |     |      |    |
| OBS         | 00095 | 05.26 | 33.600 | 26.56 |         | 1471.7 |         |      |     |       |     |     |      |    |
| OBS         | 00095 | 04.46 | 33.530 | 26.59 |         | 1468.4 |         |      |     |       |     |     |      |    |
| OBS         | 00097 | 04.20 | 33.560 | 26.63 |         | 1467.3 |         |      |     |       |     |     |      |    |
| STD         | 00100 | 03.47 | 33.56  | 26.72 | 00.182  | 1464.3 |         |      |     |       |     |     |      |    |
| OBS         | 00100 | 03.19 | 33.580 | 26.76 |         | 1463.2 |         |      |     |       |     |     |      |    |
| OBS         | 00102 | 02.52 | 33.640 | 26.86 |         | 1460.4 |         |      |     |       |     |     |      |    |
| OBS         | 00108 | 02.38 | 33.740 | 26.96 |         | 1460.0 |         |      |     |       |     |     |      |    |
| OBS         | 00123 | 03.78 | 33.930 | 26.98 |         | 1466.5 |         |      |     |       |     |     |      |    |
| STD         | 00125 | 04.13 | 33.98  | 26.99 | 00.212  | 1468.1 |         |      |     |       |     |     |      |    |
| OBS         | 00139 | 05.48 | 34.180 | 26.99 |         | 1474.2 |         |      |     |       |     |     |      |    |
| OBS         | 00142 | 05.07 | 34.110 | 26.98 |         | 1472.5 |         |      |     |       |     |     |      |    |
| OBS         | 00146 | 04.05 | 33.970 | 26.98 |         | 1468.1 |         |      |     |       |     |     |      |    |
| STD         | 00150 | 03.72 | 33.99  | 27.04 | 00.239  | 1466.8 |         |      |     |       |     |     |      |    |
| OBS         | 00150 | 03.71 | 34.000 | 27.04 |         | 1466.8 |         |      |     |       |     |     |      |    |
| OBS         | 00152 | 03.72 | 34.040 | 27.07 |         | 1466.9 |         |      |     |       |     |     |      |    |
| OBS         | 00156 | 04.37 | 34.130 | 27.08 |         | 1469.8 |         |      |     |       |     |     |      |    |
| OBS         | 00159 | 04.13 | 34.090 | 27.07 |         | 1468.8 |         |      |     |       |     |     |      |    |
| OBS         | 00175 | 04.39 | 34.210 | 27.14 |         | 1470.3 |         |      |     |       |     |     |      |    |
| OBS         | 00177 | 04.08 | 34.170 | 27.14 |         | 1469.0 |         |      |     |       |     |     |      |    |
| OBS         | 00186 | 04.20 | 34.250 | 27.19 |         | 1469.8 |         |      |     |       |     |     |      |    |
| OBS         | 00188 | 03.83 | 34.200 | 27.19 |         | 1468.2 |         |      |     |       |     |     |      |    |
| OBS         | 00198 | 03.45 | 34.170 | 27.20 |         | 1466.7 |         |      |     |       |     |     |      |    |
| STD         | 00200 | 02.73 | 34.08  | 27.20 | 00.287  | 1463.5 |         |      |     |       |     |     |      |    |
| OBS         | 00201 | 02.34 | 34.080 | 27.23 |         | 1461.8 |         |      |     |       |     |     |      |    |
| OBS         | 00203 | 02.20 | 34.150 | 27.30 |         | 1461.3 |         |      |     |       |     |     |      |    |
| OBS         | 00205 | 02.22 | 34.140 | 27.29 |         | 1461.4 |         |      |     |       |     |     |      |    |
| OBS         | 00211 | 02.76 | 34.220 | 27.31 |         | 1464.0 |         |      |     |       |     |     |      |    |
| OBS         | 00228 | 02.93 | 34.260 | 27.32 |         | 1465.1 |         |      |     |       |     |     |      |    |
| OBS         | 00234 | 02.91 | 34.260 | 27.32 |         | 1465.1 |         |      |     |       |     |     |      |    |

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REFID 31 8370 YEAR 1974 BOTDP 00126 AIA TEMP 06.5 DIR MGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1307  
 CONSEC 0097 MONTH 06 SWIP EV MET BULB 06.4 WIND-SPD 12 TRACE DIR D 5 SQUARE 1  
 LAT 42 55.4N DAY 09 DATA USE 1 BAROMETER 1000.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 20  
 LONG 050 18.0W HOUR 23.0 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 587 1 SQUARE 20

| CASNUM/TIME | LVLTP | DEPTH  | TEMP   | SAL   | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|--------|--------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 23.0 STD    | 00000 | 05.17  | 32.60  | 25.78 | 00.000  | 1468.5 |         |      |     |       |     |     |      |    |
| OBS         | 00005 | 05.17  | 32.600 | 25.78 |         | 1468.6 |         |      |     |       |     |     |      |    |
| STD         | 00010 | 05.15  | 32.65  | 25.82 | 00.022  | 1468.7 |         |      |     |       |     |     |      |    |
| OBS         | 00011 | 05.14  | 32.660 | 25.83 |         | 1468.7 |         |      |     |       |     |     |      |    |
| STD         | 00020 | 05.04  | 32.66  | 25.84 | 00.044  | 1468.4 |         |      |     |       |     |     |      |    |
| OBS         | 00022 | 04.94  | 32.660 | 25.85 |         | 1468.0 |         |      |     |       |     |     |      |    |
| STD         | 00030 | 04.55  | 32.69  | 25.92 | 00.065  | 1466.6 |         |      |     |       |     |     |      |    |
| OBS         | 00030 | 04.52  | 32.690 | 25.92 |         | 1466.4 |         |      |     |       |     |     |      |    |
| OBS         | 00034 | 04.25  | 32.690 | 25.95 |         | 1465.4 |         |      |     |       |     |     |      |    |
| OBS         | 00038 | 03.10  | 32.690 | 26.06 |         | 1460.5 |         |      |     |       |     |     |      |    |
| OBS         | 00049 | 01.71  | 32.960 | 26.38 |         | 1455.0 |         |      |     |       |     |     |      |    |
| STD         | 00050 | 01.42  | 32.96  | 26.40 | 00.103  | 1453.7 |         |      |     |       |     |     |      |    |
| OBS         | 00051 | 00.74  | 32.970 | 26.45 |         | 1450.7 |         |      |     |       |     |     |      |    |
| OBS         | 00059 | 00.44  | 33.050 | 26.53 |         | 1449.6 |         |      |     |       |     |     |      |    |
| OBS         | 00064 | - 0.29 | 33.030 | 26.55 |         | 1446.3 |         |      |     |       |     |     |      |    |
| STD         | 00075 | - 1.02 | 33.14  | 26.67 | 00.140  | 1443.2 |         |      |     |       |     |     |      |    |
| OBS         | 00076 | - 1.06 | 33.150 | 26.68 |         | 1443.1 |         |      |     |       |     |     |      |    |
| OBS         | 00081 | - 1.17 | 33.210 | 26.73 |         | 1442.7 |         |      |     |       |     |     |      |    |
| OBS         | 00085 | - 0.95 | 33.300 | 26.80 |         | 1443.9 |         |      |     |       |     |     |      |    |
| OBS         | 00089 | 00.37  | 33.380 | 26.80 |         | 1450.2 |         |      |     |       |     |     |      |    |
| OBS         | 00091 | 00.41  | 33.400 | 26.82 |         | 1450.4 |         |      |     |       |     |     |      |    |
| OBS         | 00097 | 00.93  | 33.430 | 26.81 |         | 1452.9 |         |      |     |       |     |     |      |    |
| STD         | 00100 | 00.96  | 33.45  | 26.83 | 00.173  | 1453.1 |         |      |     |       |     |     |      |    |
| OBS         | 00100 | 00.98  | 33.460 | 26.83 |         | 1453.3 |         |      |     |       |     |     |      |    |
| OBS         | 00106 | 01.23  | 33.560 | 26.90 |         | 1456.6 |         |      |     |       |     |     |      |    |
| OBS         | 00110 | 03.01  | 33.830 | 26.97 |         | 1462.9 |         |      |     |       |     |     |      |    |
| OBS         | 00118 | 02.92  | 33.820 | 26.97 |         | 1462.6 |         |      |     |       |     |     |      |    |
| STD         | 00125 | 03.01  | 33.83  | 26.97 | 00.202  | 1463.1 |         |      |     |       |     |     |      |    |
| OBS         | 00125 | 03.01  | 33.830 | 26.97 |         | 1463.1 |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00077 | AIR TEMP 07.8    | DIR HGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0098    | MONTH 06  | SHIP EV     | WET BULB 07.2    | 21 1 2      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 1  |
| LAT 43 04.3N   | DAY 10    | DATA USE 1  | BAROMETER 1000.3 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 20 |
| LONG 050 20.0W | HOUR 00.3 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 588      | 1 SQUARE 30 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 00.4        | STD   | 00000 | 05.25 | 32.43  | 25.64   | 00.000 | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 05.25 | 32.430 | 25.64   |        | 1468.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.19 | 32.45  | 25.66   | 00.024 | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 05.17 | 32.450 | 25.66   |        | 1468.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.03 | 32.47  | 25.69   | 00.047 | 1468.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.02 | 32.470 | 25.69   |        | 1468.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.91 | 32.49  | 25.72   | 00.070 | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.90 | 32.490 | 25.72   |        | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 04.83 | 32.500 | 25.74   |        | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 04.57 | 32.510 | 25.77   |        | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 03.83 | 32.660 | 25.97   |        | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 03.74 | 32.690 | 26.00   |        | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 03.18 | 32.710 | 26.07   |        | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 02.85 | 32.720 | 26.10   |        | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.57 | 32.72  | 26.13   | 00.112 | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.86 | 32.750 | 26.20   |        | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 01.08 | 32.830 | 26.32   |        | 1452.1  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | 00.11 | 32.990 | 26.50   |        | 1448.1  |      |     |       |     |     |      |    |
|             | OBS   | 00071 | 00.90 | 33.050 | 26.51   |        | 1451.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.93 | 33.10  | 26.55   | 00.154 | 1452.1  |      |     |       |     |     |      |    |
|             | OBS   | 00075 | 00.93 | 33.100 | 26.55   |        | 1452.1  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00071 | AIR TEMP 06.4    | DIR HGT PER | WIND-DIR 27 | INST STD RECORDER | TEN SQ 1307 |
| CONSEC 0099    | MONTH 06  | SHIP EV     | WET BULB 06.2    | 21 1 2      | WIND-SPD 18 | TRACE DIR 0       | 5 SQUARE 1  |
| LAT 43 15.0W   | DAY 10    | DATA USE 1  | BAROMETER 1001.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 20 |
| LONG 050 22.3W | HOUR 01.8 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 589      | 1 SQUARE 30 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 01.8        | STD   | 00000 | 05.12 | 32.36  | 25.59   | 00.000 | 1466.0  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 05.12 | 32.360 | 25.59   |        | 1466.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.07 | 32.34  | 25.55   | 00.024 | 1467.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 05.05 | 32.340 | 25.59   |        | 1467.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.80 | 32.37  | 25.64   | 00.048 | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.78 | 32.370 | 25.64   |        | 1466.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.76 | 32.41  | 25.67   | 00.071 | 1467.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.74 | 32.420 | 25.68   |        | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 04.53 | 32.510 | 25.78   |        | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 04.09 | 32.640 | 25.77   |        | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.38 | 32.510 | 25.89   |        | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.42 | 32.650 | 26.08   |        | 1457.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.56 | 32.74  | 26.22   | 00.113 | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.44 | 32.760 | 26.24   |        | 1453.6  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 00.90 | 32.870 | 26.36   |        | 1451.4  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 00115 | AIR TEMP 05.0    | DIR HGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0100    | MONTH 06  | SHIP EV     | WET BULB 04.1    | 28 2 2      | WIND-SPD 13 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 24.3W   | DAY 10    | DATA USE 1  | BAROMETER 1002.5 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 28 |
| LONG 049 27.3W | HOUR 05.8 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 590      | 1 SQUARE 39 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 05.8        | STD   | 00000 | 03.90  | 32.67  | 25.97   | 00.000 | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.90  | 32.676 | 25.97   |        | 1463.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.90  | 32.67  | 25.97   | 00.020 | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.90  | 32.670 | 25.97   |        | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 03.75  | 32.650 | 25.97   |        | 1462.9  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.42  | 32.670 | 26.01   |        | 1461.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.38  | 32.70  | 26.04   | 00.041 | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.33  | 32.710 | 26.05   |        | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 03.16  | 32.710 | 26.07   |        | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 02.74  | 32.700 | 26.10   |        | 1458.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.31  | 32.77  | 26.18   | 00.060 | 1457.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.28  | 32.770 | 26.19   |        | 1456.9  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 02.12  | 32.780 | 26.21   |        | 1456.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 01.45  | 32.770 | 26.25   |        | 1453.4  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 01.00  | 32.870 | 26.36   |        | 1451.6  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.62  | 32.880 | 26.39   |        | 1449.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.35  | 32.96  | 26.46   | 00.094 | 1448.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.30  | 32.970 | 26.48   |        | 1448.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 0.28 | 33.06  | 26.57   | 00.132 | 1446.5  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 0.31 | 33.060 | 26.58   |        | 1446.4  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | - 0.93 | 33.140 | 26.67   |        | 1444.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.97 | 33.16  | 26.68   | 00.167 | 1443.9  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 0.99 | 33.170 | 26.69   |        | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | - 1.01 | 33.180 | 26.70   |        | 1443.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 00219 | AIR TEMP 05.0    | DIA MGT PER | W1 D-DIR 28 | INST STD RECORDER | TEN SQ L306 |
| CONSEC 0101    | MONTH 06  | SHIP EV     | NET BULB 04.1    | 28 Z 2      | WIND-SPD 13 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 23.0N   | DAY 10    | DATA USE 1  | BALOMETER 1002.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 28 |
| LONG 049 24.5W | HOUR 06.8 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 591      | 1 SQUARE 39 |

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORVG | PD4 | TOT P | N02 | N03 | S103 | PH |
|---------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.8          | STD     | 00000 | 03.69  | 32.74  | 26.04   | 00.000  | 1462.5  |      |     |       |     |     |      |    |
|               | OBS     | 00001 | 03.69  | 32.740 | 26.04   |         | 1462.5  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 03.69  | 32.73  | 26.04   | 00.020  | 1462.7  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 03.69  | 32.730 | 26.04   |         | 1462.7  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 03.65  | 32.74  | 26.05   | 00.040  | 1462.7  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 03.65  | 32.740 | 26.05   |         | 1462.7  |      |     |       |     |     |      |    |
|               | OBS     | 00026 | 03.62  | 32.730 | 26.04   |         | 1462.6  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 03.32  | 32.69  | 26.04   | 00.059  | 1461.3  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 03.28  | 32.690 | 26.04   |         | 1461.2  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | 02.81  | 32.730 | 26.11   |         | 1459.4  |      |     |       |     |     |      |    |
|               | OBS     | 00041 | 02.33  | 32.690 | 26.12   |         | 1457.2  |      |     |       |     |     |      |    |
|               | OBS     | 00043 | 01.63  | 32.840 | 26.29   |         | 1454.4  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 01.58  | 32.86  | 26.31   | 00.096  | 1454.3  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 01.54  | 32.870 | 26.32   |         | 1454.1  |      |     |       |     |     |      |    |
|               | OBS     | 00055 | 01.39  | 32.900 | 26.36   |         | 1453.6  |      |     |       |     |     |      |    |
|               | OBS     | 00060 | 00.56  | 32.940 | 26.44   |         | 1450.0  |      |     |       |     |     |      |    |
|               | OBS     | 00064 | 00.43  | 32.960 | 26.46   |         | 1449.5  |      |     |       |     |     |      |    |
|               | OBS     | 00068 | - 0.16 | 32.970 | 26.50   |         | 1446.9  |      |     |       |     |     |      |    |
|               | OBS     | 00072 | - 0.56 | 33.030 | 26.56   |         | 1445.2  |      |     |       |     |     |      |    |
|               | STD     | 00075 | - 0.76 | 33.07  | 26.61   | 00.136  | 1444.3  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | - 0.84 | 33.090 | 26.62   |         | 1444.0  |      |     |       |     |     |      |    |
|               | STD     | 00100 | - 1.32 | 33.18  | 26.71   | 00.170  | 1442.3  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | - 1.33 | 33.180 | 26.71   |         | 1442.2  |      |     |       |     |     |      |    |
|               | STD     | 00125 | - 1.44 | 33.26  | 26.78   | 00.203  | 1442.2  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | - 1.44 | 33.260 | 26.78   |         | 1442.2  |      |     |       |     |     |      |    |
|               | STD     | 00150 | - 0.96 | 33.44  | 26.91   | 00.233  | 1445.1  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | - 0.96 | 33.440 | 26.91   |         | 1445.2  |      |     |       |     |     |      |    |
|               | OBS     | 00154 | - 0.97 | 33.470 | 26.93   |         | 1445.2  |      |     |       |     |     |      |    |
|               | OBS     | 00158 | - 0.63 | 33.590 | 27.02   |         | 1447.0  |      |     |       |     |     |      |    |
|               | OBS     | 00163 | - 0.22 | 33.610 | 27.02   |         | 1449.0  |      |     |       |     |     |      |    |
|               | OBS     | 00165 | - 0.14 | 33.620 | 27.02   |         | 1449.5  |      |     |       |     |     |      |    |
|               | OBS     | 00171 | - 0.52 | 33.580 | 27.01   |         | 1447.7  |      |     |       |     |     |      |    |
|               | OBS     | 00178 | - 0.31 | 33.680 | 27.08   |         | 1449.0  |      |     |       |     |     |      |    |
|               | OBS     | 00196 | 00.21  | 33.750 | 27.11   |         | 1451.8  |      |     |       |     |     |      |    |
|               | OBS     | 00199 | 00.65  | 33.800 | 27.12   |         | 1453.9  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 00.65  | 33.80  | 27.13   | 00.286  | 1453.9  |      |     |       |     |     |      |    |
|               | OBS     | 00203 | 00.75  | 33.860 | 27.17   |         | 1454.5  |      |     |       |     |     |      |    |
|               | OBS     | 00207 | 01.23  | 33.910 | 27.18   |         | 1456.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 00810 AIA TEMP 04.5 DIA HGT PER WIND-DIR 29 INST STD RECORDER TEN SQ 1306  
 CONSEC 0102 MONTH 06 SHIP EV WET BULB 03.5 29 2 2 WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 43 18.5N DAY 10 DATA USE 1 BAROMETR 1004.5 SEA CL/TR WIND-FOR DURATION 00.3 2 SQUARE 28  
 LONG 049 20.0W HOUR 07.9 AREA 05 CLOUD T/A WEATHER X1 ORIG 011 5920016 1 SQUARE 39

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PD4 | TOT P | NO2 | NO3 | SI03 | PH |
|--------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.9         | STD   | 00000 | 03.66  | 32.75  | 26.05   | 00.000  | 1462.4  |      |     |       |     |     |      |    |
|              | OBS   | 00003 | 03.66  | 32.750 | 26.05   |         | 1462.4  |      |     |       |     |     |      |    |
|              | STD   | 00010 | 03.68  | 32.75  | 26.05   | 00.020  | 1462.6  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | 03.68  | 32.750 | 26.05   |         | 1462.7  |      |     |       |     |     |      |    |
|              | OBS   | 00017 | 03.67  | 32.750 | 26.05   |         | 1462.7  |      |     |       |     |     |      |    |
|              | OBS   | 00019 | 03.69  | 32.730 | 26.05   |         | 1461.9  |      |     |       |     |     |      |    |
|              | STD   | 00020 | 03.61  | 32.75  | 26.07   | 00.039  | 1461.6  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | 03.34  | 32.760 | 26.09   |         | 1461.4  |      |     |       |     |     |      |    |
|              | STD   | 00030 | 02.82  | 32.84  | 26.20   | 00.058  | 1459.4  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | 02.76  | 32.840 | 26.21   |         | 1459.1  |      |     |       |     |     |      |    |
|              | OBS   | 00034 | 02.17  | 32.840 | 26.23   |         | 1456.6  |      |     |       |     |     |      |    |
|              | OBS   | 00038 | 01.86  | 32.870 | 26.30   |         | 1455.4  |      |     |       |     |     |      |    |
|              | OBS   | 00041 | 01.08  | 32.860 | 26.33   |         | 1451.9  |      |     |       |     |     |      |    |
|              | OBS   | 00049 | 00.43  | 32.990 | 26.49   |         | 1449.3  |      |     |       |     |     |      |    |
|              | STD   | 00050 | 00.20  | 32.99  | 26.50   | 00.092  | 1448.2  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 0.38 | 32.990 | 26.52   |         | 1445.6  |      |     |       |     |     |      |    |
|              | OBS   | 00060 | - 1.16 | 33.150 | 26.68   |         | 1442.3  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.42 | 33.20  | 26.73   | 00.128  | 1441.4  |      |     |       |     |     |      |    |
|              | OBS   | 00076 | - 1.43 | 33.200 | 26.73   |         | 1441.4  |      |     |       |     |     |      |    |
|              | OBS   | 00087 | - 1.52 | 33.250 | 26.77   |         | 1441.2  |      |     |       |     |     |      |    |
|              | STD   | 00100 | - 1.51 | 33.27  | 26.79   | 00.160  | 1441.5  |      |     |       |     |     |      |    |
|              | OBS   | 00100 | - 1.51 | 33.270 | 26.79   |         | 1441.5  |      |     |       |     |     |      |    |
|              | STD   | 00125 | - 1.42 | 33.33  | 26.83   | 00.191  | 1442.4  |      |     |       |     |     |      |    |
|              | OBS   | 00125 | - 1.42 | 33.330 | 26.83   |         | 1442.4  |      |     |       |     |     |      |    |
|              | STD   | 00150 | - 1.22 | 33.40  | 26.88   | 00.221  | 1443.9  |      |     |       |     |     |      |    |
|              | OBS   | 00150 | - 1.22 | 33.400 | 26.89   |         | 1443.9  |      |     |       |     |     |      |    |
|              | OBS   | 00175 | - 0.99 | 33.470 | 26.93   |         | 1448.5  |      |     |       |     |     |      |    |
|              | STD   | 00200 | - 0.51 | 33.64  | 27.05   | 00.275  | 1448.3  |      |     |       |     |     |      |    |
|              | OBS   | 00201 | - 0.45 | 33.670 | 27.08   |         | 1448.7  |      |     |       |     |     |      |    |
|              | OBS   | 00207 | - 0.23 | 33.800 | 27.17   |         | 1430.0  |      |     |       |     |     |      |    |
|              | OBS   | 00209 | 00.11  | 33.890 | 27.23   |         | 1451.7  |      |     |       |     |     |      |    |
|              | OBS   | 00211 | 00.75  | 33.960 | 27.25   |         | 1454.7  |      |     |       |     |     |      |    |
|              | OBS   | 00228 | 01.00  | 34.000 | 27.26   |         | 1456.2  |      |     |       |     |     |      |    |
|              | STD   | 00250 | 01.91  | 34.13  | 27.31   | 00.320  | 1460.8  |      |     |       |     |     |      |    |
|              | OBS   | 00264 | 02.49  | 34.160 | 27.36   |         | 1463.7  |      |     |       |     |     |      |    |
|              | OBS   | 00276 | 02.92  | 34.380 | 27.42   |         | 1466.0  |      |     |       |     |     |      |    |
|              | OBS   | 00279 | 03.01  | 34.399 | 27.43   |         | 1466.1  |      |     |       |     |     |      |    |
|              | OBS   | 00285 | 03.01  | 34.370 | 27.43   |         | 1465.0  |      |     |       |     |     |      |    |
|              | OBS   | 00287 | 03.01  | 34.410 | 27.44   |         | 1466.5  |      |     |       |     |     |      |    |
|              | OBS   | 00315 | 02.72  | 34.410 | 27.46   |         | 1465.5  |      |     |       |     |     |      |    |
|              | STD   | 00400 | 02.40  | 34.42  | 27.50   | 00.355  | 1466.2  |      |     |       |     |     |      |    |
|              | OBS   | 00302 | 02.23  | 34.430 | 27.52   |         | 1463.6  |      |     |       |     |     |      |    |
|              | OBS   | 00350 | 03.15  | 34.650 | 27.61   |         | 1468.5  |      |     |       |     |     |      |    |
|              | OBS   | 00399 | 03.45  | 34.710 | 27.63   |         | 1470.7  |      |     |       |     |     |      |    |
|              | STD   | 00400 | 03.45  | 34.71  | 27.63   | 00.411  | 1470.7  |      |     |       |     |     |      |    |
|              | OBS   | 00401 | 03.47  | 34.710 | 27.63   |         | 1470.8  |      |     |       |     |     |      |    |
|              | OBS   | 00451 | 03.63  | 34.760 | 27.65   |         | 1472.4  |      |     |       |     |     |      |    |
|              | STD   | 00500 | 03.69  | 34.78  | 27.66   | 00.460  | 1473.5  |      |     |       |     |     |      |    |
|              | OBS   | 00500 | 03.69  | 34.780 | 27.66   |         | 1473.5  |      |     |       |     |     |      |    |
|              | OBS   | 00552 | 03.76  | 34.810 | 27.68   |         | 1476.7  |      |     |       |     |     |      |    |
|              | STD   | 00600 | 03.79  | 34.81  | 27.68   | 00.508  | 1475.6  |      |     |       |     |     |      |    |
|              | OBS   | 00603 | 03.79  | 34.810 | 27.68   |         | 1475.7  |      |     |       |     |     |      |    |
|              | OBS   | 00651 | 03.81  | 34.830 | 27.69   |         | 1476.6  |      |     |       |     |     |      |    |
|              | STD   | 00700 | 03.82  | 34.84  | 27.70   | 00.555  | 1477.4  |      |     |       |     |     |      |    |
|              | OBS   | 00750 | 03.83  | 34.850 | 27.71   |         | 1478.3  |      |     |       |     |     |      |    |
|              | OBS   | 00759 | 03.81  | 34.850 | 27.71   |         | 1478.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BCTOP 01244 | AIR TEMP 04.0    | DIR HGT PER | WIND-DIR 28 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0103    | MONTH 06  | SHIP EV     | WET BULB 03.5    | 27 4 3      | WIND-SPD 10 | TRACE DIA 0       | 5 SQUARE 2  |
| LAT 43 14.0N   | DAY 10    | DATA USE 1  | BAROMETER 1004.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 28 |
| LONG 049 14.4W | HOOR 09.5 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X2  | ORIG 011 595      | 1 SQUARE 39 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | STO3 | PH |
|---------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 09.5          | STD   | 00000 | 03.45 | 32.79  | 26.11   | 00.000  | 1461.5  |      |     |       |     |     |      |    |
|               | OBS   | 00001 | 03.45 | 32.790 | 26.11   |         | 1461.6  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 03.44 | 32.80  | 26.11   | 00.019  | 1461.7  |      |     |       |     |     |      |    |
|               | OBS   | 00011 | 03.44 | 32.800 | 26.11   |         | 1461.7  |      |     |       |     |     |      |    |
|               | OBS   | 00017 | 03.35 | 32.790 | 26.11   |         | 1461.4  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 01.96 | 32.81  | 26.24   | 00.038  | 1458.4  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 01.45 | 32.820 | 26.28   |         | 1454.1  |      |     |       |     |     |      |    |
|               | OBS   | 00026 | 00.98 | 32.930 | 26.41   |         | 1451.3  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 00.52 | 33.00  | 26.49   | 00.054  | 1449.4  |      |     |       |     |     |      |    |
|               | OBS   | 00032 | 00.25 | 33.040 | 26.54   |         | 1446.2  |      |     |       |     |     |      |    |
|               | OBS   | 00034 | 00.07 | 33.060 | 26.56   |         | 1447.5  |      |     |       |     |     |      |    |
|               | OBS   | 00040 | 00.02 | 33.040 | 26.55   |         | 1447.3  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 01.01 | 33.13  | 26.57   | 00.085  | 1452.1  |      |     |       |     |     |      |    |
|               | OBS   | 00053 | 01.24 | 33.140 | 26.57   |         | 1453.2  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 01.51 | 33.29  | 26.66   | 00.120  | 1455.0  |      |     |       |     |     |      |    |
|               | OBS   | 00076 | 01.52 | 33.300 | 26.67   |         | 1455.1  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 01.41 | 33.37  | 26.73   | 00.154  | 1455.1  |      |     |       |     |     |      |    |
|               | OBS   | 00102 | 01.38 | 33.380 | 26.74   |         | 1455.0  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 00.93 | 33.54  | 26.90   | 00.185  | 1463.5  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 00.92 | 33.540 | 26.90   |         | 1453.5  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 00.67 | 33.61  | 26.97   | 00.214  | 1452.9  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 00.66 | 33.610 | 26.97   |         | 1452.8  |      |     |       |     |     |      |    |
|               | OBS   | 00171 | 00.32 | 33.700 | 27.06   |         | 1451.8  |      |     |       |     |     |      |    |
|               | OBS   | 00175 | 00.34 | 33.700 | 27.06   |         | 1451.9  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 00.04 | 33.86  | 27.20   | 00.263  | 1451.2  |      |     |       |     |     |      |    |
|               | OBS   | 00203 | 00.00 | 33.890 | 27.23   |         | 1451.1  |      |     |       |     |     |      |    |
|               | OBS   | 00218 | 00.68 | 34.050 | 27.32   |         | 1454.7  |      |     |       |     |     |      |    |
|               | OBS   | 00226 | 01.00 | 34.070 | 27.32   |         | 1456.3  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 01.22 | 34.20  | 27.41   | 00.302  | 1457.8  |      |     |       |     |     |      |    |
|               | OBS   | 00251 | 01.24 | 34.210 | 27.42   |         | 1458.0  |      |     |       |     |     |      |    |
|               | OBS   | 00268 | 01.66 | 34.300 | 27.46   |         | 1460.2  |      |     |       |     |     |      |    |
|               | OBS   | 00276 | 01.99 | 34.380 | 27.50   |         | 1461.9  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 02.08 | 34.44  | 27.54   | 00.333  | 1462.8  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 02.09 | 34.440 | 27.54   |         | 1462.8  |      |     |       |     |     |      |    |
|               | OBS   | 00352 | 02.74 | 34.590 | 27.60   |         | 1466.7  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 02.97 | 34.65  | 27.63   | 00.387  | 1468.6  |      |     |       |     |     |      |    |
|               | OBS   | 00401 | 02.98 | 34.650 | 27.63   |         | 1468.7  |      |     |       |     |     |      |    |
|               | OBS   | 00451 | 03.38 | 34.730 | 27.66   |         | 1471.3  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 03.52 | 34.77  | 27.67   | 00.435  | 1472.8  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 03.52 | 34.770 | 27.67   |         | 1472.8  |      |     |       |     |     |      |    |
|               | OBS   | 00552 | 03.77 | 34.830 | 27.70   |         | 1474.8  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 03.85 | 34.84  | 27.70   | 00.482  | 1475.9  |      |     |       |     |     |      |    |
|               | OBS   | 00601 | 03.85 | 34.840 | 27.70   |         | 1475.9  |      |     |       |     |     |      |    |
|               | OBS   | 00652 | 03.87 | 34.850 | 27.70   |         | 1476.9  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 03.90 | 34.87  | 27.71   | 00.528  | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 03.90 | 34.870 | 27.71   |         | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 03.92 | 34.870 | 27.71   |         | 1478.7  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 03.90 | 34.87  | 27.71   | 00.574  | 1479.5  |      |     |       |     |     |      |    |
|               | OBS   | 00801 | 03.90 | 34.870 | 27.71   |         | 1479.5  |      |     |       |     |     |      |    |
|               | OBS   | 00850 | 03.88 | 34.880 | 27.72   |         | 1480.3  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 03.85 | 34.89  | 27.74   | 00.620  | 1481.0  |      |     |       |     |     |      |    |
|               | OBS   | 00902 | 03.85 | 34.890 | 27.74   |         | 1481.0  |      |     |       |     |     |      |    |
|               | OBS   | 00953 | 03.81 | 34.890 | 27.74   |         | 1481.7  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 03.79 | 34.89  | 27.74   | 00.645  | 1482.4  |      |     |       |     |     |      |    |
|               | OBS   | 01001 | 03.79 | 34.890 | 27.74   |         | 1482.4  |      |     |       |     |     |      |    |
|               | OBS   | 01026 | 03.78 | 34.890 | 27.74   |         | 1482.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTDP 01097 AIR TEMP 04.2 DIR HGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306  
 CONSEC 0104 MONTH 06 SHIP EV NET BULB 03.7 27 2 3 WIND-SPD 07 TRACE DIR 0 5 SQUARE 2  
 LAT 43 08.0N DAY 10 DATA USE 1 BAROMETR 1005.4 SEA WIND-FOR DURATION 00.5 2 SQUARE 28  
 LONG 049 14.2W HOUR 11.0 AREA 05 CLOUD T/A CL/TR WEATHER X1 ORIG 011 5940016 1 SQUARE 39

| CASTNUM/TIME | LVLTYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNOPHTH | SND VEL | OKYG | PO4 | TOT P | NO2 | NO3 | STO3 | PH |
|--------------|--------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 11.0         | STD    | 00000 | 03.25  | 32.86  | 26.18   | 00.000   | 1460.8  |      |     |       |     |     |      |    |
|              | OBS    | 00005 | 03.25  | 32.860 | 26.18   |          | 1460.9  |      |     |       |     |     |      |    |
|              | STD    | 00010 | 03.23  | 32.86  | 26.18   | 00.018   | 1460.9  |      |     |       |     |     |      |    |
|              | OBS    | 00011 | 03.23  | 32.860 | 26.18   |          | 1460.9  |      |     |       |     |     |      |    |
|              | OBS    | 00013 | 03.09  | 32.850 | 26.19   |          | 1460.3  |      |     |       |     |     |      |    |
|              | STD    | 00020 | 01.35  | 32.87  | 26.34   | 00.036   | 1452.8  |      |     |       |     |     |      |    |
|              | OBS    | 00020 | 01.18  | 32.860 | 26.35   |          | 1452.1  |      |     |       |     |     |      |    |
|              | STD    | 00030 | 00.30  | 32.97  | 26.47   | 00.052   | 1448.3  |      |     |       |     |     |      |    |
|              | OBS    | 00030 | 00.27  | 32.970 | 26.48   |          | 1448.2  |      |     |       |     |     |      |    |
|              | OBS    | 00032 | 00.19  | 32.950 | 26.47   |          | 1447.8  |      |     |       |     |     |      |    |
|              | OBS    | 00036 | - 1.02 | 33.090 | 26.63   |          | 1442.5  |      |     |       |     |     |      |    |
|              | OBS    | 00040 | - 1.26 | 33.220 | 26.74   |          | 1441.6  |      |     |       |     |     |      |    |
|              | STD    | 00050 | - 1.39 | 33.26  | 26.78   | 00.081   | 1441.2  |      |     |       |     |     |      |    |
|              | OBS    | 00051 | - 1.41 | 33.270 | 26.79   |          | 1441.2  |      |     |       |     |     |      |    |
|              | OBS    | 00066 | - 1.53 | 33.320 | 26.83   |          | 1440.9  |      |     |       |     |     |      |    |
|              | STD    | 00075 | - 1.48 | 33.36  | 26.86   | 00.112   | 1441.4  |      |     |       |     |     |      |    |
|              | OBS    | 00076 | - 1.47 | 33.360 | 26.86   |          | 1441.4  |      |     |       |     |     |      |    |
|              | STD    | 00100 | - 1.25 | 33.46  | 26.94   | 00.141   | 1443.0  |      |     |       |     |     |      |    |
|              | OBS    | 00102 | - 1.22 | 33.470 | 26.94   |          | 1443.2  |      |     |       |     |     |      |    |
|              | STD    | 00125 | - 1.03 | 33.53  | 26.98   | 00.168   | 1444.6  |      |     |       |     |     |      |    |
|              | OBS    | 00125 | - 1.02 | 33.530 | 26.98   |          | 1444.6  |      |     |       |     |     |      |    |
|              | STD    | 00150 | - 0.73 | 33.60  | 27.03   | 00.195   | 1446.5  |      |     |       |     |     |      |    |
|              | OBS    | 00152 | - 0.72 | 33.610 | 27.04   |          | 1446.5  |      |     |       |     |     |      |    |
|              | OBS    | 00156 | - 0.72 | 33.630 | 27.05   |          | 1446.6  |      |     |       |     |     |      |    |
|              | OBS    | 00163 | - 0.31 | 33.750 | 27.13   |          | 1448.8  |      |     |       |     |     |      |    |
|              | OBS    | 00173 | 00.07  | 33.780 | 27.14   |          | 1450.8  |      |     |       |     |     |      |    |
|              | OBS    | 00178 | 00.41  | 33.836 | 27.16   |          | 1452.5  |      |     |       |     |     |      |    |
|              | OBS    | 00182 | 00.43  | 33.810 | 27.15   |          | 1452.6  |      |     |       |     |     |      |    |
|              | OBS    | 00186 | - 0.02 | 33.810 | 27.17   |          | 1450.6  |      |     |       |     |     |      |    |
|              | OBS    | 00190 | 00.09  | 33.960 | 27.28   |          | 1451.4  |      |     |       |     |     |      |    |
|              | OBS    | 00194 | 00.37  | 34.010 | 27.31   |          | 1452.8  |      |     |       |     |     |      |    |
|              | STD    | 00200 | 00.67  | 34.11  | 27.37   | 00.238   | 1454.4  |      |     |       |     |     |      |    |
|              | OBS    | 00201 | 00.75  | 34.140 | 27.39   |          | 1454.8  |      |     |       |     |     |      |    |
|              | OBS    | 00226 | 01.34  | 34.270 | 27.46   |          | 1458.1  |      |     |       |     |     |      |    |
|              | STD    | 00250 | 01.59  | 34.35  | 27.50   | 00.271   | 1459.7  |      |     |       |     |     |      |    |
|              | OBS    | 00251 | 01.61  | 34.350 | 27.50   |          | 1459.8  |      |     |       |     |     |      |    |
|              | OBS    | 00277 | 02.00  | 34.450 | 27.55   |          | 1462.1  |      |     |       |     |     |      |    |
|              | STD    | 00300 | 02.09  | 34.48  | 27.57   | 00.300   | 1462.9  |      |     |       |     |     |      |    |
|              | OBS    | 00302 | 02.11  | 34.480 | 27.57   |          | 1463.0  |      |     |       |     |     |      |    |
|              | OBS    | 00352 | 02.52  | 34.590 | 27.62   |          | 1465.8  |      |     |       |     |     |      |    |
|              | STD    | 00400 | 02.87  | 34.65  | 27.64   | 00.351   | 1468.2  |      |     |       |     |     |      |    |
|              | OBS    | 00401 | 02.88  | 34.650 | 27.64   |          | 1468.2  |      |     |       |     |     |      |    |
|              | OBS    | 00451 | 03.26  | 34.740 | 27.68   |          | 1470.8  |      |     |       |     |     |      |    |
|              | STD    | 00500 | 03.52  | 34.80  | 27.69   | 00.399   | 1472.8  |      |     |       |     |     |      |    |
|              | OBS    | 00502 | 03.54  | 34.800 | 27.70   |          | 1472.9  |      |     |       |     |     |      |    |
|              | OBS    | 00550 | 03.87  | 34.870 | 27.72   |          | 1475.2  |      |     |       |     |     |      |    |
|              | STD    | 00600 | 03.90  | 34.87  | 27.71   | 00.443   | 1476.2  |      |     |       |     |     |      |    |
|              | OBS    | 00601 | 03.90  | 34.870 | 27.71   |          | 1476.2  |      |     |       |     |     |      |    |
|              | OBS    | 00658 | 03.91  | 34.890 | 27.73   |          | 1477.2  |      |     |       |     |     |      |    |
|              | STD    | 00700 | 03.96  | 34.92  | 27.75   | 00.487   | 1478.1  |      |     |       |     |     |      |    |
|              | OBS    | 00702 | 03.96  | 34.920 | 27.75   |          | 1478.2  |      |     |       |     |     |      |    |
|              | OBS    | 00753 | 03.90  | 34.910 | 27.75   |          | 1478.8  |      |     |       |     |     |      |    |
|              | STD    | 00800 | 03.81  | 34.91  | 27.76   | 00.530   | 1479.2  |      |     |       |     |     |      |    |
|              | OBS    | 00801 | 03.81  | 34.910 | 27.76   |          | 1479.2  |      |     |       |     |     |      |    |
|              | OBS    | 00858 | 03.79  | 34.910 | 27.76   |          | 1480.0  |      |     |       |     |     |      |    |
|              | STD    | 00900 | 03.79  | 34.91  | 27.76   | 00.572   | 1480.7  |      |     |       |     |     |      |    |
|              | OBS    | 00900 | 03.79  | 34.910 | 27.76   |          | 1480.7  |      |     |       |     |     |      |    |
|              | OBS    | 00953 | 03.79  | 34.910 | 27.76   |          | 1481.6  |      |     |       |     |     |      |    |
|              | STD    | 01000 | 03.78  | 34.91  | 27.76   | 00.616   | 1482.4  |      |     |       |     |     |      |    |
|              | OBS    | 01001 | 03.78  | 34.910 | 27.76   |          | 1482.4  |      |     |       |     |     |      |    |
|              | OBS    | 01026 | 03.76  | 34.910 | 27.76   |          | 1482.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 01704 | AIR TEMP 05.2   | DIR HGT PER | WIND-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0105    | MONTH 06  | SHIP EV     | NET SULR 04.5   | 01 3 2      | WIND-SPD 00 | TRACE DIR         | 5 SQUARE 2  |
| LAT 43 02.2N   | DAY 10    | DATA USE 1  | BARCHETA 1003.5 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 28 |
| LONG 049 04.8W | HOUR 12.8 | AREA 05     | CLCUD 7/A       | CL/TH       | WEATHER X2  | ORIG 011 595      | 1 SQUARE 39 |

|     |      |      |     |     |       |        |        |         |        |      |        |     |      |     |       |     |     |      |    |
|-----|------|------|-----|-----|-------|--------|--------|---------|--------|------|--------|-----|------|-----|-------|-----|-----|------|----|
| CAS | NUM  | TIME | LVL | TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN    | DPTH | SND    | VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|     |      |      | STD |     | 00000 | 02.91  | 32.97  | 24.30   | 00.000 |      | 1459.5 |     |      |     |       |     |     |      |    |
|     | 12.8 |      | OBS |     | 00000 | 02.91  | 32.97G | 24.30   |        |      | 1459.5 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00010 | 02.90  | 32.98  | 24.30   | 00.017 |      | 1459.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00015 | 02.90  | 32.980 | 24.31   |        |      | 1459.7 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00019 | 02.88  | 32.970 | 24.30   |        |      | 1459.6 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00020 | 02.73  | 32.99  | 24.32   | 00.035 |      | 1459.0 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00030 | 01.76  | 33.09  | 24.48   | 00.051 |      | 1455.1 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00030 | 01.76  | 33.090 | 24.48   |        |      | 1455.0 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00034 | 01.65  | 33.100 | 24.50   |        |      | 1454.7 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00040 | 00.84  | 33.210 | 24.64   |        |      | 1451.3 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00049 | 00.41  | 33.410 | 24.82   |        |      | 1449.8 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00050 | 00.34  | 33.40  | 24.82   | 00.079 |      | 1449.5 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00060 | - 0.73 | 33.390 | 24.86   |        |      | 1444.7 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00064 | - 0.93 | 33.480 | 24.94   |        |      | 1443.9 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00075 | - 0.82 | 33.57  | 27.01   | 00.108 |      | 1444.8 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00081 | - 0.74 | 33.620 | 27.05   |        |      | 1445.3 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00100 | - 0.57 | 33.73  | 27.13   | 00.132 |      | 1446.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00100 | - 0.54 | 33.740 | 27.14   |        |      | 1446.7 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00110 | - 0.18 | 33.810 | 27.18   |        |      | 1448.6 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00125 | 00.15  | 33.91  | 27.24   | 00.155 |      | 1450.5 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00129 | 00.24  | 33.940 | 27.26   |        |      | 1451.1 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00150 | 00.56  | 34.05  | 27.33   | 00.175 |      | 1453.0 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00150 | 00.57  | 34.050 | 27.33   |        |      | 1453.1 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00180 | 00.89  | 34.140 | 27.38   |        |      | 1455.1 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00200 | 01.05  | 34.19  | 27.41   | 00.210 |      | 1456.2 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00209 | 01.17  | 34.230 | 27.44   |        |      | 1457.0 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00230 | 01.56  | 34.350 | 27.51   |        |      | 1459.2 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00249 | 01.65  | 34.380 | 27.52   |        |      | 1460.0 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00250 | 01.66  | 34.38  | 27.52   | 00.242 |      | 1460.0 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00300 | 02.09  | 34.48  | 27.57   | 00.270 |      | 1462.9 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00302 | 02.11  | 34.490 | 27.58   |        |      | 1463.0 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00325 | 03.49  | 34.680 | 27.61   |        |      | 1469.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00352 | 04.15  | 34.820 | 27.65   |        |      | 1473.0 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00375 | 04.64  | 34.900 | 27.66   |        |      | 1475.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00399 | 04.67  | 34.920 | 27.67   |        |      | 1476.1 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00400 | 04.67  | 34.92  | 27.67   | 00.320 |      | 1476.1 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00449 | 04.78  | 34.960 | 27.69   |        |      | 1477.5 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00500 | 04.67  | 34.96  | 27.70   | 00.367 |      | 1477.8 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00500 | 04.67  | 34.960 | 27.70   |        |      | 1477.8 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00550 | 04.49  | 34.950 | 27.72   |        |      | 1477.9 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00599 | 04.46  | 34.950 | 27.72   |        |      | 1478.6 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00600 | 04.46  | 34.95  | 27.72   | 00.413 |      | 1478.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00649 | 04.40  | 34.960 | 27.73   |        |      | 1479.2 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00700 | 04.30  | 34.95  | 27.74   | 00.457 |      | 1479.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00700 | 04.30  | 34.950 | 27.74   |        |      | 1479.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00751 | 04.26  | 34.960 | 27.75   |        |      | 1480.3 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00799 | 04.13  | 34.950 | 27.75   |        |      | 1480.5 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00800 | 04.13  | 34.95  | 27.75   | 00.501 |      | 1480.6 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00852 | 04.10  | 34.950 | 27.76   |        |      | 1481.3 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 00900 | 04.05  | 34.95  | 27.76   | 00.544 |      | 1481.9 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00902 | 04.05  | 34.950 | 27.76   |        |      | 1481.9 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 00949 | 03.97  | 34.950 | 27.77   |        |      | 1482.4 |     |      |     |       |     |     |      |    |
|     |      |      | STD |     | 01000 | 03.96  | 34.95  | 27.77   | 00.587 |      | 1483.2 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 01001 | 03.96  | 34.950 | 27.77   |        |      | 1483.2 |     |      |     |       |     |     |      |    |
|     |      |      | OBS |     | 01020 | 03.95  | 34.940 | 27.77   |        |      | 1483.5 |     |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |              |                 |             |             |                   |             |
|----------------|-----------|--------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOATDP 02983 | AIR TEMP 09.0   | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0106    | MONTH 06  | SHIP EV      | MET BULB 08.5   | 20 3 2      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 42 49.3N   | DAY 10    | DATA USE 1   | BAROMETR 1004.8 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 28 |
| LONG 048 55.1W | HOOR 15.5 | AREA 05      | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 596      | 1 SQUARE 28 |

|             |       |       |       |        |         |         |         |      |     |       |     |     |      |    |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
| 15.5        | STD   | 00000 | 06.50 | 33.28  | 26.15   | 00.000  | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 06.50 | 33.280 | 26.15   |         | 1474.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.43 | 33.28  | 26.16   | 00.019  | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 06.36 | 33.280 | 26.17   |         | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 06.30 | 33.270 | 26.17   |         | 1474.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 06.27 | 33.26  | 26.17   | 00.037  | 1474.2  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 05.60 | 33.200 | 26.17   |         | 1472.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 05.10 | 33.14  | 26.22   | 00.056  | 1469.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.97 | 33.140 | 26.23   |         | 1468.9  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 03.67 | 33.130 | 26.36   |         | 1463.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.37 | 33.30  | 26.68   | 00.088  | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | 00.95 | 33.420 | 26.80   |         | 1452.3  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 00.68 | 33.590 | 26.95   |         | 1451.4  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | 01.21 | 33.710 | 27.02   |         | 1454.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 01.22 | 33.71  | 27.02   | 00.118  | 1454.3  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 01.25 | 33.760 | 27.05   |         | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 02.06 | 33.900 | 27.11   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 02.06 | 33.910 | 27.12   |         | 1458.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.22 | 34.02  | 27.19   | 00.142  | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.24 | 34.030 | 27.20   |         | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00119 | 02.81 | 34.230 | 27.31   |         | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.27 | 34.29  | 27.31   | 00.163  | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.29 | 34.48  | 27.36   | 00.182  | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 04.29 | 34.480 | 27.36   |         | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 04.14 | 34.510 | 27.40   |         | 1469.4  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 04.32 | 34.590 | 27.45   |         | 1470.6  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 04.31 | 34.600 | 27.46   |         | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00199 | 03.90 | 34.540 | 27.45   |         | 1469.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.91 | 34.54  | 27.45   | 00.217  | 1469.1  |      |     |       |     |     |      |    |
|             | OBS   | 00209 | 04.48 | 34.690 | 27.51   |         | 1471.9  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | 04.55 | 34.710 | 27.52   |         | 1472.6  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.56 | 34.75  | 27.55   | 00.246  | 1473.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.61 | 34.82  | 27.60   | 00.275  | 1474.1  |      |     |       |     |     |      |    |
|             | OBS   | 00304 | 04.61 | 34.830 | 27.61   |         | 1474.2  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.51 | 34.860 | 27.64   |         | 1474.6  |      |     |       |     |     |      |    |
|             | OBS   | 00399 | 04.58 | 34.920 | 27.68   |         | 1475.8  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.58 | 34.92  | 27.68   | 00.325  | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00449 | 04.56 | 34.930 | 27.69   |         | 1476.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.48 | 34.93  | 27.70   | 00.371  | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 04.48 | 34.930 | 27.70   |         | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.40 | 34.940 | 27.72   |         | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00599 | 04.46 | 34.950 | 27.72   |         | 1478.6  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.46 | 34.95  | 27.72   | 00.417  | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00650 | 04.31 | 34.950 | 27.73   |         | 1478.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.26 | 34.95  | 27.74   | 00.461  | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.26 | 34.950 | 27.74   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.15 | 34.940 | 27.74   |         | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00799 | 04.10 | 34.940 | 27.75   |         | 1480.4  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.10 | 34.94  | 27.75   | 00.505  | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.03 | 34.940 | 27.76   |         | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.96 | 34.92  | 27.75   | 00.549  | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.96 | 34.920 | 27.75   |         | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00949 | 03.92 | 34.930 | 27.76   |         | 1482.1  |      |     |       |     |     |      |    |
|             | OBS   | 00999 | 03.87 | 34.930 | 27.77   |         | 1482.8  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.87 | 34.93  | 27.77   | 00.593  | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 03.87 | 34.930 | 27.77   |         | 1483.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8370 YEAR 1974 BOTOP 02930 AIR TEMP 11.0 DIR HGT PER WIND-DIR 31 INST STD RECORDER TEN SQ 1306  
 CONSEC 0107 MONTH 06 SHIP EV MET BULB 10.0 27 3 5 WIND-SPD 05 TRACE DIR D 5 SQUARE 2  
 LAT 42 36.7N DAY 10 DATA USE 1 BAROMETR 1004.0 SEA CL/THR WIND-FOR DURATION 00.4 2 SQUARE 28  
 LONG 048 43.0W HOUR 18.2 AREA 05 CLOUD 7/A WEATHER X2 DRIG 011 597 1 SQUARE 28

| CASSTNUM/TIME | LVL/TP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | P04 | TOT P | N02 | N03 | SIG3 | PH |
|---------------|--------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 18.2          | STD    | 00000 | 04.09 | 32.88  | 26.12   | 00.000   | 1464.4  |      |     |       |     |     |      |    |
|               | OBS    | 00003 | 04.09 | 32.880 | 26.12   |          | 1464.4  |      |     |       |     |     |      |    |
|               | OBS    | 00005 | 04.08 | 32.876 | 26.11   |          | 1464.4  |      |     |       |     |     |      |    |
|               | OBS    | 00009 | 04.05 | 32.890 | 26.13   |          | 1464.4  |      |     |       |     |     |      |    |
|               | STD    | 00010 | 03.82 | 32.91  | 26.16   | 00.019   | 1463.5  |      |     |       |     |     |      |    |
|               | OBS    | 00013 | 02.71 | 33.004 | 26.34   |          | 1458.9  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 02.68 | 33.10  | 26.42   | 00.036   | 1459.0  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 02.68 | 33.110 | 26.43   |          | 1459.0  |      |     |       |     |     |      |    |
|               | OBS    | 00028 | 01.17 | 33.130 | 26.56   |          | 1452.5  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 01.14 | 33.12  | 26.55   | 00.052   | 1452.3  |      |     |       |     |     |      |    |
|               | OBS    | 00030 | 01.05 | 33.114 | 26.55   |          | 1451.9  |      |     |       |     |     |      |    |
|               | OBS    | 00032 | 00.37 | 33.260 | 26.71   |          | 1449.1  |      |     |       |     |     |      |    |
|               | OBS    | 00036 | 00.50 | 33.414 | 26.82   |          | 1450.0  |      |     |       |     |     |      |    |
|               | OBS    | 00041 | 01.11 | 33.480 | 26.84   |          | 1452.9  |      |     |       |     |     |      |    |
|               | OBS    | 00047 | 00.70 | 33.460 | 26.85   |          | 1451.1  |      |     |       |     |     |      |    |
|               | OBS    | 00049 | 00.61 | 33.524 | 26.89   |          | 1451.7  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 00.89 | 33.53  | 26.90   | 00.078   | 1452.1  |      |     |       |     |     |      |    |
|               | OBS    | 00053 | 01.23 | 33.600 | 26.93   |          | 1453.8  |      |     |       |     |     |      |    |
|               | OBS    | 00055 | 01.31 | 33.620 | 26.94   |          | 1454.2  |      |     |       |     |     |      |    |
|               | OBS    | 00059 | 02.06 | 33.730 | 26.97   |          | 1457.8  |      |     |       |     |     |      |    |
|               | OBS    | 00062 | 02.36 | 33.740 | 26.96   |          | 1459.1  |      |     |       |     |     |      |    |
|               | OBS    | 00064 | 02.41 | 33.750 | 26.96   |          | 1459.4  |      |     |       |     |     |      |    |
|               | OBS    | 00068 | 02.93 | 33.800 | 26.96   |          | 1461.8  |      |     |       |     |     |      |    |
|               | OBS    | 00074 | 02.96 | 33.850 | 26.99   |          | 1462.1  |      |     |       |     |     |      |    |
|               | STD    | 00075 | 03.04 | 33.86  | 27.00   | 00.106   | 1462.4  |      |     |       |     |     |      |    |
|               | OBS    | 00078 | 03.42 | 33.920 | 27.01   |          | 1464.2  |      |     |       |     |     |      |    |
|               | OBS    | 00083 | 04.62 | 34.090 | 27.02   |          | 1469.6  |      |     |       |     |     |      |    |
|               | OBS    | 00087 | 04.96 | 34.150 | 27.03   |          | 1471.2  |      |     |       |     |     |      |    |
|               | OBS    | 00089 | 04.96 | 34.160 | 27.04   |          | 1471.2  |      |     |       |     |     |      |    |
|               | OBS    | 00095 | 05.33 | 34.270 | 27.08   |          | 1473.0  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 06.06 | 34.41  | 27.10   | 00.132   | 1476.2  |      |     |       |     |     |      |    |
|               | OBS    | 00104 | 06.28 | 34.460 | 27.11   |          | 1477.2  |      |     |       |     |     |      |    |
|               | OBS    | 00108 | 06.11 | 34.430 | 27.11   |          | 1476.5  |      |     |       |     |     |      |    |
|               | OBS    | 00119 | 05.28 | 34.280 | 27.09   |          | 1473.2  |      |     |       |     |     |      |    |
|               | STD    | 00125 | 04.68 | 34.23  | 27.13   | 00.156   | 1470.7  |      |     |       |     |     |      |    |
|               | OBS    | 00127 | 04.52 | 34.200 | 27.12   |          | 1470.1  |      |     |       |     |     |      |    |
|               | OBS    | 00129 | 04.46 | 34.170 | 27.10   |          | 1469.8  |      |     |       |     |     |      |    |
|               | OBS    | 00131 | 04.27 | 34.370 | 27.28   |          | 1469.3  |      |     |       |     |     |      |    |
|               | OBS    | 00133 | 04.71 | 34.430 | 27.28   |          | 1471.2  |      |     |       |     |     |      |    |
|               | STD    | 00150 | 05.93 | 34.61  | 27.27   | 00.179   | 1476.7  |      |     |       |     |     |      |    |
|               | OBS    | 00150 | 05.94 | 34.610 | 27.27   |          | 1476.8  |      |     |       |     |     |      |    |
|               | OBS    | 00169 | 05.28 | 34.500 | 27.27   |          | 1474.3  |      |     |       |     |     |      |    |
|               | OBS    | 00175 | 04.74 | 34.420 | 27.27   |          | 1472.0  |      |     |       |     |     |      |    |
|               | OBS    | 00177 | 04.60 | 34.440 | 27.30   |          | 1471.5  |      |     |       |     |     |      |    |
|               | OBS    | 00182 | 04.87 | 34.500 | 27.32   |          | 1472.8  |      |     |       |     |     |      |    |
|               | OBS    | 00184 | 04.87 | 34.490 | 27.31   |          | 1472.8  |      |     |       |     |     |      |    |
|               | OBS    | 00190 | 03.59 | 34.390 | 27.32   |          | 1469.1  |      |     |       |     |     |      |    |
|               | OBS    | 00198 | 03.60 | 34.390 | 27.36   |          | 1467.6  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 03.61 | 34.42  | 27.38   | 00.218   | 1467.7  |      |     |       |     |     |      |    |
|               | OBS    | 00201 | 03.62 | 34.440 | 27.40   |          | 1467.8  |      |     |       |     |     |      |    |
|               | OBS    | 00205 | 04.13 | 34.500 | 27.40   |          | 1470.1  |      |     |       |     |     |      |    |
|               | OBS    | 00218 | 04.53 | 34.620 | 27.45   |          | 1472.2  |      |     |       |     |     |      |    |
|               | OBS    | 00226 | 05.16 | 34.760 | 27.49   |          | 1475.1  |      |     |       |     |     |      |    |
|               | OBS    | 00228 | 05.25 | 34.760 | 27.46   |          | 1475.5  |      |     |       |     |     |      |    |
|               | STD    | 00250 | 04.47 | 34.69  | 27.51   | 00.251   | 1472.5  |      |     |       |     |     |      |    |
|               | OBS    | 00276 | 03.88 | 34.640 | 27.53   |          | 1470.4  |      |     |       |     |     |      |    |
|               | OBS    | 00295 | 03.69 | 34.620 | 27.54   |          | 1469.9  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 03.74 | 34.62  | 27.53   | 00.281   | 1470.2  |      |     |       |     |     |      |    |
|               | OBS    | 00300 | 03.75 | 34.620 | 27.53   |          | 1470.2  |      |     |       |     |     |      |    |
|               | OBS    | 00346 | 03.90 | 34.740 | 27.61   |          | 1471.8  |      |     |       |     |     |      |    |
|               | OBS    | 00363 | 03.44 | 34.720 | 27.64   |          | 1470.1  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 03.49 | 34.77  | 27.67   | 00.333   | 1471.0  |      |     |       |     |     |      |    |
|               | OBS    | 00401 | 03.50 | 34.770 | 27.68   |          | 1471.0  |      |     |       |     |     |      |    |
|               | OBS    | 00441 | 03.94 | 34.820 | 27.67   |          | 1473.6  |      |     |       |     |     |      |    |
|               | OBS    | 00447 | 03.90 | 34.830 | 27.68   |          | 1473.6  |      |     |       |     |     |      |    |
|               | OBS    | 00454 | 04.08 | 34.840 | 27.67   |          | 1474.5  |      |     |       |     |     |      |    |
|               | STD    | 00500 | 04.01 | 34.84  | 27.68   | 00.380   | 1474.9  |      |     |       |     |     |      |    |
|               | OBS    | 00500 | 04.01 | 34.840 | 27.68   |          | 1474.9  |      |     |       |     |     |      |    |
|               | OBS    | 00552 | 04.03 | 34.850 | 27.69   |          | 1475.9  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 03.97 | 34.83  | 27.68   | 00.428   | 1476.4  |      |     |       |     |     |      |    |
|               | OBS    | 00601 | 03.97 | 34.830 | 27.68   |          | 1476.4  |      |     |       |     |     |      |    |
|               | OBS    | 00620 | 03.96 | 34.830 | 27.68   |          | 1476.7  |      |     |       |     |     |      |    |
|               | OBS    | 00624 | 03.96 | 34.830 | 27.68   |          | 1476.8  |      |     |       |     |     |      |    |
|               | OBS    | 00628 | 03.96 | 34.830 | 27.68   |          | 1476.8  |      |     |       |     |     |      |    |
|               | OBS    | 00651 | 03.94 | 34.830 | 27.68   |          | 1477.1  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 03.92 | 34.83  | 27.68   | 00.476   | 1477.9  |      |     |       |     |     |      |    |
|               | OBS    | 00702 | 03.92 | 34.830 | 27.68   |          | 1477.9  |      |     |       |     |     |      |    |
|               | OBS    | 00751 | 03.88 | 34.840 | 27.69   |          | 1478.6  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 03.88 | 34.84  | 27.69   | 00.525   | 1479.4  |      |     |       |     |     |      |    |
|               | OBS    | 00801 | 03.88 | 34.840 | 27.69   |          | 1479.4  |      |     |       |     |     |      |    |
|               | OBS    | 00850 | 03.83 | 34.840 | 27.70   |          | 1480.0  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 03.78 | 34.84  | 27.70   | 00.573   | 1480.6  |      |     |       |     |     |      |    |
|               | OBS    | 00900 | 03.78 | 34.840 | 27.70   |          | 1480.6  |      |     |       |     |     |      |    |
|               | OBS    | 00953 | 03.78 | 34.840 | 27.70   |          | 1481.5  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 03.78 | 34.86  | 27.72   | 00.621   | 1482.3  |      |     |       |     |     |      |    |
|               | OBS    | 01001 | 03.78 | 34.860 | 27.72   |          | 1482.3  |      |     |       |     |     |      |    |
|               | OBS    | 01022 | 03.79 | 34.930 | 27.77   |          | 1482.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTDP 01829 | AIR TEMP 06.0   | DIR HGT PER | WIND-OIR 32 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0108    | MONTH 04  | SHIP EV     | NET BULB 05.2   | 28 3 3      | WIND-SPD 12 | TRACE OIR D       | 5 SQUARE 2  |
| LAT 42 20.9N   | DAY 10    | DATA USE 1  | BAROMETR 1007.6 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 28 |
| LONG 048 25.8W | HOOR 21.7 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 598      | 1 SQUARE 28 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 21.7        | STD   | 00000 | 05.24 | 32.77  | 25.91   | 00.000   | 1469.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 05.24 | 32.770 | 25.91   |          | 1469.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.22 | 32.84  | 25.96   | 00.021   | 1469.2  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 04.56 | 32.880 | 26.02   |          | 1468.3  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 04.46 | 32.820 | 26.01   |          | 1467.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.46 | 32.89  | 26.09   | 00.041   | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 04.40 | 33.250 | 26.38   |          | 1466.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 07.22 | 33.76  | 26.43   | 00.058   | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 06.70 | 34.050 | 26.44   |          | 1484.9  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 08.06 | 34.160 | 26.63   |          | 1482.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 07.94 | 34.17  | 26.65   | 00.089   | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 06.18 | 34.220 | 26.94   |          | 1475.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 04.93 | 34.04  | 26.95   | 00.120   | 1470.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 04.68 | 34.030 | 26.94   |          | 1470.5  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 04.71 | 34.110 | 27.02   |          | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 04.17 | 34.150 | 27.11   |          | 1467.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 04.63 | 34.32  | 27.20   | 00.144   | 1470.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 05.72 | 34.53  | 27.24   | 00.167   | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 06.42 | 34.530 | 27.15   |          | 1478.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 05.98 | 34.48  | 27.17   | 00.190   | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 05.96 | 34.480 | 27.17   |          | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 07.97 | 34.840 | 27.17   |          | 1485.2  |      |     |       |     |     |      |    |
|             | OBS   | 00169 | 07.97 | 34.830 | 27.17   |          | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 07.27 | 34.740 | 27.21   |          | 1482.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 08.02 | 34.95  | 27.25   | 00.235   | 1486.2  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 08.09 | 34.970 | 27.26   |          | 1486.5  |      |     |       |     |     |      |    |
|             | OBS   | 00220 | 05.71 | 34.610 | 27.30   |          | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00239 | 04.01 | 34.410 | 27.34   |          | 1470.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.34 | 34.40  | 27.40   | 00.274   | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00274 | 03.06 | 34.380 | 27.41   |          | 1466.5  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.85 | 34.61  | 27.41   | 00.309   | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.87 | 34.620 | 27.41   |          | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00325 | 04.73 | 34.740 | 27.52   |          | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 06.21 | 34.980 | 27.53   |          | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00379 | 05.91 | 34.980 | 27.57   |          | 1480.9  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.44 | 34.89  | 27.56   | 00.375   | 1479.2  |      |     |       |     |     |      |    |
|             | OBS   | 00449 | 04.98 | 34.840 | 27.57   |          | 1476.1  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.19 | 34.97  | 27.65   | 00.430   | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 05.19 | 34.970 | 27.65   |          | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 05.17 | 34.980 | 27.66   |          | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00599 | 04.92 | 34.960 | 27.67   |          | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.92 | 34.96  | 27.67   | 00.480   | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00649 | 04.83 | 34.970 | 27.69   |          | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.81 | 34.97  | 27.70   | 00.530   | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.73 | 34.970 | 27.70   |          | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00799 | 04.60 | 34.970 | 27.72   |          | 1482.5  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.60 | 34.97  | 27.72   | 00.578   | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.48 | 34.960 | 27.72   |          | 1482.9  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.35 | 34.96  | 27.74   | 00.625   | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.35 | 34.960 | 27.74   |          | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00949 | 04.24 | 34.960 | 27.75   |          | 1483.5  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.15 | 34.95  | 27.75   | 00.671   | 1484.0  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.15 | 34.950 | 27.75   |          | 1484.0  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 04.13 | 34.950 | 27.75   |          | 1484.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03568 | AIR TEMP 10.6    | DIA HGT PER | WIND-DIA 32 | INST STD RECORDER | TEN SQ 1906 |
| CONSEC 0109    | MONTH 06  | SHIP EV     | WET BULB 10.4    | 27 3 2      | WIND-SPD 12 | TRACE DIA         | 9 SQUARE 2  |
| LAT 42 04.3M   | DAY 17    | DATA USE 1  | BARGE T/A 1008.1 | SEA         | WIND-FOR    | DURATION 00.9     | 2 SQUARE 28 |
| LONG 048 12.2W | HOUR 23.8 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER K2  | ORIG 011 599      | 1 SQUARE 28 |

| CAS/NUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | OYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | S103 | PH |
|--------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 23.8         | STD     | 00000 | 08.44  | 33.11  | 25.75   | 00.000  | 1482.2  |      |     |       |     |     |      |    |
|              | OBS     | 00001 | 08.44  | 33.114 | 25.75   |         | 1482.2  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 08.51  | 33.15  | 25.77   | 00.022  | 1482.6  |      |     |       |     |     |      |    |
|              | OBS     | 00011 | 08.52  | 33.153 | 25.77   |         | 1482.7  |      |     |       |     |     |      |    |
|              | OBS     | 00013 | 08.80  | 33.325 | 25.86   |         | 1484.0  |      |     |       |     |     |      |    |
|              | OBS     | 00017 | 09.32  | 33.477 | 25.90   |         | 1486.2  |      |     |       |     |     |      |    |
|              | OBS     | 00019 | 09.53  | 33.677 | 26.02   |         | 1487.3  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 10.34  | 34.12  | 26.22   | 00.043  | 1490.8  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 10.98  | 34.440 | 26.36   |         | 1493.5  |      |     |       |     |     |      |    |
|              | OBS     | 00024 | 12.80  | 35.050 | 26.49   |         | 1500.7  |      |     |       |     |     |      |    |
|              | OBS     | 00026 | 14.14  | 35.520 | 26.58   |         | 1505.7  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 14.15  | 35.53  | 26.58   | 00.059  | 1505.8  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 14.15  | 35.530 | 26.58   |         | 1505.8  |      |     |       |     |     |      |    |
|              | OBS     | 00032 | 14.02  | 35.525 | 26.61   |         | 1505.4  |      |     |       |     |     |      |    |
|              | OBS     | 00038 | 14.08  | 35.570 | 26.63   |         | 1505.8  |      |     |       |     |     |      |    |
|              | OBS     | 00041 | 14.33  | 35.667 | 26.65   |         | 1506.8  |      |     |       |     |     |      |    |
|              | STD     | 00050 | 14.14  | 35.66  | 26.68   | 00.088  | 1506.3  |      |     |       |     |     |      |    |
|              | OBS     | 00051 | 14.05  | 35.659 | 26.70   |         | 1506.0  |      |     |       |     |     |      |    |
|              | OBS     | 00053 | 13.90  | 35.635 | 26.72   |         | 1505.5  |      |     |       |     |     |      |    |
|              | OBS     | 00055 | 13.90  | 35.640 | 26.72   |         | 1505.5  |      |     |       |     |     |      |    |
|              | OBS     | 00062 | 12.95  | 35.435 | 26.76   |         | 1502.3  |      |     |       |     |     |      |    |
|              | OBS     | 00068 | 12.62  | 35.330 | 26.74   |         | 1501.1  |      |     |       |     |     |      |    |
|              | STD     | 00075 | 12.92  | 35.47  | 26.79   | 00.121  | 1502.4  |      |     |       |     |     |      |    |
|              | OBS     | 00078 | 13.00  | 35.517 | 26.81   |         | 1502.8  |      |     |       |     |     |      |    |
|              | OBS     | 00099 | 12.68  | 35.450 | 26.82   |         | 1502.0  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 12.50  | 35.40  | 26.82   | 00.153  | 1501.3  |      |     |       |     |     |      |    |
|              | OBS     | 00102 | 11.87  | 35.245 | 26.82   |         | 1499.0  |      |     |       |     |     |      |    |
|              | OBS     | 00112 | 08.20  | 34.480 | 26.86   |         | 1484.9  |      |     |       |     |     |      |    |
|              | OBS     | 00118 | 08.18  | 34.605 | 26.96   |         | 1485.0  |      |     |       |     |     |      |    |
|              | OBS     | 00121 | 06.54  | 34.295 | 26.95   |         | 1478.5  |      |     |       |     |     |      |    |
|              | STD     | 00125 | 06.75  | 34.35  | 26.97   | 00.183  | 1479.2  |      |     |       |     |     |      |    |
|              | OBS     | 00127 | 06.84  | 34.380 | 26.97   |         | 1479.7  |      |     |       |     |     |      |    |
|              | OBS     | 00133 | 06.84  | 34.380 | 26.97   |         | 1479.8  |      |     |       |     |     |      |    |
|              | OBS     | 00137 | 06.25  | 34.270 | 26.97   |         | 1477.4  |      |     |       |     |     |      |    |
|              | OBS     | 00142 | 04.48  | 34.037 | 26.99   |         | 1469.9  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 04.48  | 34.08  | 27.03   | 00.210  | 1470.1  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 04.48  | 34.090 | 27.03   |         | 1470.1  |      |     |       |     |     |      |    |
|              | OBS     | 00152 | 04.99  | 34.150 | 27.02   |         | 1472.3  |      |     |       |     |     |      |    |
|              | OBS     | 00156 | 05.07  | 34.150 | 27.02   |         | 1472.7  |      |     |       |     |     |      |    |
|              | OBS     | 00158 | 05.84  | 34.300 | 27.04   |         | 1476.1  |      |     |       |     |     |      |    |
|              | OBS     | 00161 | 07.05  | 34.510 | 27.05   |         | 1481.3  |      |     |       |     |     |      |    |
|              | OBS     | 00173 | 06.96  | 34.495 | 27.05   |         | 1481.1  |      |     |       |     |     |      |    |
|              | OBS     | 00175 | 07.20  | 34.573 | 27.08   |         | 1482.1  |      |     |       |     |     |      |    |
|              | OBS     | 00178 | 07.44  | 34.640 | 27.09   |         | 1483.2  |      |     |       |     |     |      |    |
|              | OBS     | 00184 | 08.09  | 34.770 | 27.10   |         | 1486.0  |      |     |       |     |     |      |    |
|              | OBS     | 00188 | 08.40  | 34.860 | 27.12   |         | 1487.4  |      |     |       |     |     |      |    |
|              | OBS     | 00190 | 08.42  | 34.850 | 27.11   |         | 1487.5  |      |     |       |     |     |      |    |
|              | OBS     | 00196 | 08.17  | 34.815 | 27.12   |         | 1486.5  |      |     |       |     |     |      |    |
|              | OBS     | 00198 | 08.47  | 34.850 | 27.10   |         | 1487.8  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 08.42  | 34.84  | 27.11   | 00.261  | 1487.6  |      |     |       |     |     |      |    |
|              | OBS     | 00207 | 08.31  | 34.830 | 27.11   |         | 1487.3  |      |     |       |     |     |      |    |
|              | OBS     | 00237 | 09.28  | 35.040 | 27.12   |         | 1491.7  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 08.74  | 34.97  | 27.16   | 00.311  | 1489.8  |      |     |       |     |     |      |    |
|              | OBS     | 00251 | 08.70  | 34.970 | 27.16   |         | 1489.7  |      |     |       |     |     |      |    |
|              | OBS     | 00270 | 08.52  | 34.990 | 27.21   |         | 1489.3  |      |     |       |     |     |      |    |
|              | OBS     | 00272 | 08.25  | 34.960 | 27.22   |         | 1488.3  |      |     |       |     |     |      |    |
|              | OBS     | 00274 | 08.25  | 34.960 | 27.22   |         | 1488.3  |      |     |       |     |     |      |    |
|              | OBS     | 00291 | 05.51  | 34.500 | 27.24   |         | 1477.2  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 05.42  | 34.49  | 27.24   | 00.357  | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 05.41  | 34.487 | 27.24   |         | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00312 | 05.39  | 34.480 | 27.24   |         | 1477.0  |      |     |       |     |     |      |    |
|              | OBS     | 00317 | 06.45  | 34.750 | 27.32   |         | 1481.8  |      |     |       |     |     |      |    |
|              | OBS     | 00327 | 06.34  | 34.735 | 27.32   |         | 1481.5  |      |     |       |     |     |      |    |
|              | OBS     | 00333 | 05.48  | 34.620 | 27.34   |         | 1477.9  |      |     |       |     |     |      |    |
|              | OBS     | 00350 | 04.99  | 34.537 | 27.33   |         | 1476.1  |      |     |       |     |     |      |    |
|              | OBS     | 00367 | 05.28  | 34.620 | 27.36   |         | 1477.7  |      |     |       |     |     |      |    |
|              | OBS     | 00382 | 02.80  | 34.295 | 27.36   |         | 1467.1  |      |     |       |     |     |      |    |
|              | OBS     | 00394 | 02.52  | 34.300 | 27.39   |         | 1466.1  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 03.16  | 34.40  | 27.41   | 00.435  | 1469.1  |      |     |       |     |     |      |    |
|              | OBS     | 00401 | 03.24  | 34.420 | 27.42   |         | 1469.5  |      |     |       |     |     |      |    |
|              | OBS     | 00403 | 03.28  | 34.440 | 27.43   |         | 1469.7  |      |     |       |     |     |      |    |
|              | OBS     | 00405 | 03.72  | 34.510 | 27.45   |         | 1471.7  |      |     |       |     |     |      |    |
|              | OBS     | 00407 | 03.75  | 34.505 | 27.44   |         | 1471.8  |      |     |       |     |     |      |    |
|              | OBS     | 00415 | 04.53  | 34.625 | 27.45   |         | 1475.4  |      |     |       |     |     |      |    |
|              | OBS     | 00420 | 04.65  | 34.640 | 27.45   |         | 1476.0  |      |     |       |     |     |      |    |
|              | OBS     | 00422 | 05.12  | 34.760 | 27.49   |         | 1478.1  |      |     |       |     |     |      |    |
|              | OBS     | 00424 | 05.23  | 34.760 | 27.48   |         | 1478.6  |      |     |       |     |     |      |    |
|              | OBS     | 00428 | 05.45  | 34.840 | 27.49   |         | 1480.5  |      |     |       |     |     |      |    |
|              | OBS     | 00439 | 05.89  | 34.895 | 27.50   |         | 1481.7  |      |     |       |     |     |      |    |
|              | OBS     | 00454 | 05.62  | 34.850 | 27.50   |         | 1480.8  |      |     |       |     |     |      |    |
|              | OBS     | 00470 | 05.52  | 34.830 | 27.50   |         | 1480.7  |      |     |       |     |     |      |    |
|              | OBS     | 00477 | 05.76  | 34.950 | 27.56   |         | 1481.9  |      |     |       |     |     |      |    |
|              | OBS     | 00489 | 06.00  | 34.990 | 27.57   |         | 1483.1  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 06.20  | 35.05  | 27.59   | 00.500  | 1484.2  |      |     |       |     |     |      |    |
|              | OBS     | 00506 | 06.27  | 35.080 | 27.60   |         | 1484.6  |      |     |       |     |     |      |    |
|              | OBS     | 00538 | 06.12  | 35.070 | 27.61   |         | 1484.5  |      |     |       |     |     |      |    |
|              | OBS     | 00563 | 05.60  | 34.973 | 27.60   |         | 1482.7  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 05.28  | 34.97  | 27.64   | 00.555  | 1482.0  |      |     |       |     |     |      |    |
|              | OBS     | 00601 | 05.28  | 34.975 | 27.64   |         | 1482.0  |      |     |       |     |     |      |    |
|              | OBS     | 00603 | 05.28  | 34.965 | 27.64   |         | 1482.1  |      |     |       |     |     |      |    |
|              | OBS     | 00651 | 05.08  | 34.980 | 27.67   |         | 1482.0  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 04.97  | 34.98  | 27.68   | 00.607  | 1482.4  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 04.97  | 34.980 | 27.68   |         | 1482.4  |      |     |       |     |     |      |    |
|              | OBS     | 00750 | 04.73  | 34.965 | 27.70   |         | 1482.2  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 04.65  | 34.97  | 27.71   | 00.656  | 1482.7  |      |     |       |     |     |      |    |
|              | OBS     | 00801 | 04.65  | 34.970 | 27.71   |         | 1482.8  |      |     |       |     |     |      |    |
|              | OBS     | 00850 | 04.54  | 34.960 | 27.72   |         | 1483.1  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 04.31  | 34.94  | 27.73   | 00.704  | 1483.0  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 04.31  | 34.940 | 27.73   |         | 1483.0  |      |     |       |     |     |      |    |
|              | OBS     | 00951 | 04.21  | 34.940 | 27.74   |         | 1483.4  |      |     |       |     |     |      |    |
| STD          | 01000   | 04.07 | 34.92  | 27.74  | 00.751  | 1483.6  |         |      |     |       |     |     |      |    |
| OBS          | 01001   | 04.07 | 34.920 | 27.74  |         | 1483.6  |         |      |     |       |     |     |      |    |
| OBS          | 01020   | 04.09 | 34.930 | 27.74  |         | 1484.0  |         |      |     |       |     |     |      |    |

118

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8370  | YEAR 1974 | BOTOP 03845 | AIR TEMP 04.9   | DIR HGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0110    | MONTH 06  | SHIP EV     | WET BULB 04.3   | 00 0 0      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 41 41.5N   | DAY 11    | DATA USE 1  | BAROMETR 1008.1 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 06 |
| LONG 047 53.5W | MOOR 03.2 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X2  | CRIG 011 600      | 1 SQUARE 17 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | ORYG | P04 | TOT P | NO2 | NO3 | S103 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 03.2        | STD   | 00000 | 12.01 | 34.49  | 26.21   | 00.000 | 1496.9  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 12.01 | 34.490 | 26.21   |        | 1496.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 12.01 | 34.49  | 26.21   | 00.018 | 1497.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 12.01 | 34.490 | 26.21   |        | 1497.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 12.02 | 34.49  | 26.21   | 00.036 | 1497.2  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 12.02 | 34.490 | 26.21   |        | 1497.2  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 12.03 | 34.490 | 26.21   |        | 1497.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 12.19 | 34.54  | 26.22   | 00.055 | 1498.0  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 12.41 | 34.633 | 26.24   |        | 1498.9  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 12.59 | 34.780 | 26.32   |        | 1499.8  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 13.00 | 34.983 | 26.40   |        | 1501.5  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 13.48 | 35.237 | 26.50   |        | 1503.5  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 13.94 | 35.473 | 26.58   |        | 1505.3  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 14.13 | 35.520 | 26.58   |        | 1506.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 14.06 | 35.52  | 26.60   | 00.087 | 1505.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 14.02 | 35.527 | 26.61   |        | 1505.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 13.75 | 35.52  | 26.66   | 00.123 | 1505.2  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 13.74 | 35.523 | 26.66   |        | 1505.2  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 14.07 | 35.650 | 26.69   |        | 1506.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 13.98 | 35.66  | 26.72   | 00.158 | 1506.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 13.97 | 35.665 | 26.72   |        | 1506.6  |      |     |       |     |     |      |    |
|             | OBS   | 00119 | 13.64 | 35.620 | 26.76   |        | 1505.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 13.42 | 35.56  | 26.76   | 00.192 | 1505.0  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 13.28 | 35.530 | 26.76   |        | 1504.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 13.20 | 35.62  | 26.85   | 00.224 | 1504.8  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 13.16 | 35.623 | 26.86   |        | 1504.7  |      |     |       |     |     |      |    |
|             | OBS   | 00156 | 13.07 | 35.620 | 26.88   |        | 1504.4  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 12.23 | 35.440 | 26.92   |        | 1501.7  |      |     |       |     |     |      |    |
|             | OBS   | 00184 | 11.47 | 35.310 | 26.95   |        | 1499.0  |      |     |       |     |     |      |    |
|             | OBS   | 00186 | 11.44 | 35.310 | 26.95   |        | 1499.0  |      |     |       |     |     |      |    |
|             | OBS   | 00188 | 11.21 | 35.306 | 26.99   |        | 1498.2  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 11.15 | 35.31  | 27.01   | 00.283 | 1498.2  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 11.08 | 35.310 | 27.02   |        | 1498.0  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 10.87 | 35.270 | 27.03   |        | 1497.2  |      |     |       |     |     |      |    |
|             | OBS   | 00211 | 10.39 | 35.195 | 27.06   |        | 1495.5  |      |     |       |     |     |      |    |
|             | OBS   | 00213 | 10.37 | 35.170 | 27.04   |        | 1495.4  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 10.01 | 35.090 | 27.04   |        | 1496.1  |      |     |       |     |     |      |    |
|             | OBS   | 00217 | 09.94 | 35.090 | 27.05   |        | 1493.8  |      |     |       |     |     |      |    |
|             | OBS   | 00222 | 10.33 | 35.180 | 27.05   |        | 1495.5  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 10.21 | 35.185 | 27.08   |        | 1495.1  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | 09.73 | 35.090 | 27.09   |        | 1493.3  |      |     |       |     |     |      |    |
|             | OBS   | 00245 | 07.63 | 34.720 | 27.13   |        | 1485.2  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 07.28 | 34.64  | 27.12   | 00.335 | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 07.20 | 34.627 | 27.12   |        | 1483.5  |      |     |       |     |     |      |    |
|             | OBS   | 00260 | 06.88 | 34.560 | 27.11   |        | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 00266 | 06.44 | 34.490 | 27.11   |        | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00281 | 06.52 | 34.510 | 27.12   |        | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00291 | 06.40 | 34.520 | 27.13   |        | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00297 | 05.91 | 34.425 | 27.13   |        | 1478.8  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.88 | 34.43  | 27.14   | 00.385 | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 05.85 | 34.440 | 27.15   |        | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00306 | 06.19 | 34.497 | 27.15   |        | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00312 | 05.43 | 34.425 | 27.17   |        | 1478.0  |      |     |       |     |     |      |    |
|             | OBS   | 00323 | 05.60 | 34.440 | 27.18   |        | 1478.0  |      |     |       |     |     |      |    |
|             | OBS   | 00327 | 05.79 | 34.494 | 27.20   |        | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00333 | 06.30 | 34.587 | 27.21   |        | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00336 | 06.21 | 34.646 | 27.26   |        | 1481.3  |      |     |       |     |     |      |    |
|             | OBS   | 00357 | 06.23 | 34.640 | 27.26   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00361 | 06.06 | 34.610 | 27.26   |        | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00371 | 05.27 | 34.497 | 27.27   |        | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00373 | 05.23 | 34.503 | 27.28   |        | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00378 | 05.60 | 34.620 | 27.32   |        | 1479.2  |      |     |       |     |     |      |    |
|             | OBS   | 00386 | 05.51 | 34.610 | 27.33   |        | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00390 | 05.71 | 34.640 | 27.33   |        | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00392 | 05.50 | 34.600 | 27.32   |        | 1479.0  |      |     |       |     |     |      |    |
|             | OBS   | 00397 | 05.32 | 34.620 | 27.36   |        | 1478.4  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.76 | 34.69  | 27.36   | 00.472 | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00403 | 06.23 | 34.770 | 27.36   |        | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00413 | 06.14 | 34.740 | 27.35   |        | 1482.1  |      |     |       |     |     |      |    |
|             | OBS   | 00418 | 05.84 | 34.720 | 27.37   |        | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00426 | 05.94 | 34.770 | 27.40   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00432 | 06.36 | 34.830 | 27.39   |        | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00443 | 05.78 | 34.767 | 27.42   |        | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 05.19 | 34.720 | 27.45   |        | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00470 | 05.35 | 34.770 | 27.47   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00477 | 05.02 | 34.740 | 27.49   |        | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00481 | 04.99 | 34.730 | 27.48   |        | 1478.5  |      |     |       |     |     |      |    |
|             | OBS   | 00494 | 04.68 | 34.735 | 27.52   |        | 1477.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.80 | 34.76  | 27.53   | 00.542 | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.83 | 34.770 | 27.53   |        | 1478.2  |      |     |       |     |     |      |    |
|             | OBS   | 00504 | 05.15 | 34.830 | 27.54   |        | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00506 | 05.21 | 34.840 | 27.55   |        | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00512 | 05.66 | 34.905 | 27.54   |        | 1482.0  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 06.07 | 34.990 | 27.56   |        | 1484.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 05.68 | 35.09  | 27.65   | 00.400 | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 05.67 | 35.095 | 27.65   |        | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00652 | 05.59 | 35.070 | 27.68   |        | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00660 | 05.56 | 35.070 | 27.68   |        | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00675 | 05.21 | 34.990 | 27.66   |        | 1483.0  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.99 | 34.98  | 27.68   | 00.652 | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00704 | 04.96 | 34.975 | 27.68   |        | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.90 | 34.970 | 27.68   |        | 1482.9  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.75 | 34.97  | 27.71   | 00.702 | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.75 | 34.975 | 27.71   |        | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00852 | 04.67 | 34.970 | 27.71   |        | 1483.7  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.52 | 34.99  | 27.74   | 00.749 | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00902 | 04.51 | 34.990 | 27.74   |        | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.24 | 34.950 | 27.74   |        | 1483.5  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.28 | 34.97  | 27.75   | 00.795 | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.28 | 34.970 | 27.75   |        | 1484.6  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 04.22 | 34.960 | 27.75   |        | 1484.6  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 04.24 | 34.970 | 27.76   |        | 1484.7  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

REFID 31 0370 YEAR 1974 BOTOP 03777 AIR TEMP 07.0 DIR NGT PER WIND-DIR 23 INST STD RECORDER TEN SQ 1306  
 CONSEC 0111 MONTH 06 SHIP EV WET BULB 05.5 23 2 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 2  
 LAT 41 17.8N DAY 11 DATA USE 1 SAKMETS 1008.7 SEA CL/TA WIND-FOR 00.4 2 SQUARE 06  
 LONG 047 33.2W HOUR 06.9 AREA 05 CLCUD T/A WEATHER X2 ORIG 011 601 1 SQUARE 17

| CASSTNUM/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNMPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO2 | PH |
|---------------|--------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.9          | STD    | 00000 | 07.73 | 33.11  | 25.86   | 00.000  | 1479.4  |      |     |       |     |     |      |    |
|               | OBS    | 00001 | 07.73 | 33.115 | 25.86   |         | 1479.5  |      |     |       |     |     |      |    |
|               | STD    | 00015 | 07.73 | 33.11  | 25.86   | 00.022  | 1479.4  |      |     |       |     |     |      |    |
|               | OBS    | 00011 | 07.73 | 33.115 | 25.86   |         | 1479.4  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 07.78 | 33.12  | 25.85   | 00.043  | 1480.0  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 07.79 | 33.120 | 25.85   |         | 1480.0  |      |     |       |     |     |      |    |
|               | OBS    | 00028 | 07.61 | 33.203 | 25.94   |         | 1479.5  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 07.11 | 33.02  | 25.87 * | 00.065  | 1477.4  |      |     |       |     |     |      |    |
|               | OBS    | 00034 | 05.57 | 32.930 | 25.99   |         | 1471.2  |      |     |       |     |     |      |    |
|               | OBS    | 00036 | 04.89 | 33.123 | 26.22   |         | 1468.6  |      |     |       |     |     |      |    |
|               | OBS    | 00041 | 04.31 | 33.125 | 26.29   |         | 1466.3  |      |     |       |     |     |      |    |
|               | OBS    | 00047 | 02.38 | 33.050 | 26.40   |         | 1458.0  |      |     |       |     |     |      |    |
|               | OBS    | 00049 | 02.26 | 33.100 | 26.45   |         | 1457.6  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 02.16 | 33.11  | 26.47   | 00.102  | 1457.2  |      |     |       |     |     |      |    |
|               | OBS    | 00051 | 01.91 | 33.134 | 26.50   |         | 1456.1  |      |     |       |     |     |      |    |
|               | OBS    | 00068 | 01.55 | 33.370 | 26.69   |         | 1456.9  |      |     |       |     |     |      |    |
|               | OBS    | 00070 | 01.50 | 33.394 | 26.74   |         | 1455.0  |      |     |       |     |     |      |    |
|               | OBS    | 00072 | 01.45 | 33.376 | 26.73   |         | 1454.8  |      |     |       |     |     |      |    |
|               | STD    | 00075 | 01.63 | 33.44  | 26.77   | 00.138  | 1455.7  |      |     |       |     |     |      |    |
|               | OBS    | 00076 | 01.72 | 33.463 | 26.79   |         | 1456.2  |      |     |       |     |     |      |    |
|               | OBS    | 00078 | 01.91 | 33.520 | 26.82   |         | 1457.1  |      |     |       |     |     |      |    |
|               | OBS    | 00081 | 02.76 | 33.645 | 26.85   |         | 1461.1  |      |     |       |     |     |      |    |
|               | OBS    | 00085 | 01.68 | 33.594 | 26.89   |         | 1456.3  |      |     |       |     |     |      |    |
|               | OBS    | 00087 | 01.75 | 33.610 | 26.90   |         | 1456.7  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 06.47 | 34.41  | 26.99   | 00.167  | 1479.4  |      |     |       |     |     |      |    |
|               | OBS    | 00102 | 07.41 | 34.494 | 26.98   |         | 1481.7  |      |     |       |     |     |      |    |
|               | OBS    | 00112 | 07.56 | 34.505 | 26.97   |         | 1482.4  |      |     |       |     |     |      |    |
|               | OBS    | 00114 | 07.43 | 34.490 | 26.98   |         | 1481.9  |      |     |       |     |     |      |    |
|               | OBS    | 00118 | 06.86 | 34.390 | 26.98   |         | 1479.6  |      |     |       |     |     |      |    |
|               | OBS    | 00123 | 07.06 | 34.487 | 27.03   |         | 1480.6  |      |     |       |     |     |      |    |
|               | STD    | 00125 | 06.51 | 34.46  | 27.02   | 00.194  | 1480.0  |      |     |       |     |     |      |    |
|               | OBS    | 00127 | 06.69 | 34.413 | 27.02   |         | 1479.1  |      |     |       |     |     |      |    |
|               | OBS    | 00137 | 06.50 | 34.460 | 27.08   |         | 1478.6  |      |     |       |     |     |      |    |
|               | OBS    | 00140 | 06.00 | 34.410 | 27.11   |         | 1476.6  |      |     |       |     |     |      |    |
|               | STD    | 00150 | 05.95 | 34.43  | 27.13   | 00.220  | 1476.6  |      |     |       |     |     |      |    |
|               | OBS    | 00152 | 05.94 | 34.430 | 27.13   |         | 1476.6  |      |     |       |     |     |      |    |
|               | OBS    | 00175 | 04.44 | 34.495 | 27.12   |         | 1479.0  |      |     |       |     |     |      |    |
|               | OBS    | 00178 | 04.41 | 34.494 | 27.12   |         | 1479.0  |      |     |       |     |     |      |    |
|               | OBS    | 00182 | 07.11 | 34.643 | 27.14   |         | 1482.0  |      |     |       |     |     |      |    |
|               | OBS    | 00188 | 06.68 | 34.574 | 27.14   |         | 1480.3  |      |     |       |     |     |      |    |
|               | OBS    | 00192 | 06.53 | 34.597 | 27.19   |         | 1479.8  |      |     |       |     |     |      |    |
|               | OBS    | 00196 | 05.85 | 34.480 | 27.18   |         | 1477.0  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 05.84 | 34.49  | 27.19   | 00.267  | 1477.1  |      |     |       |     |     |      |    |
|               | OBS    | 00201 | 05.84 | 34.500 | 27.20   |         | 1477.1  |      |     |       |     |     |      |    |
|               | OBS    | 00203 | 05.62 | 34.494 | 27.22   |         | 1476.2  |      |     |       |     |     |      |    |
|               | OBS    | 00205 | 05.61 | 34.490 | 27.22   |         | 1476.2  |      |     |       |     |     |      |    |
|               | OBS    | 00209 | 06.14 | 34.590 | 27.23   |         | 1476.5  |      |     |       |     |     |      |    |
|               | OBS    | 00228 | 06.39 | 34.613 | 27.22   |         | 1479.9  |      |     |       |     |     |      |    |
|               | STD    | 00250 | 05.63 | 34.48  | 27.21   | 00.312  | 1477.0  |      |     |       |     |     |      |    |
|               | OBS    | 00251 | 05.59 | 34.480 | 27.21   |         | 1476.9  |      |     |       |     |     |      |    |
|               | OBS    | 00276 | 04.96 | 34.490 | 27.30   |         | 1474.7  |      |     |       |     |     |      |    |
|               | OBS    | 00277 | 04.92 | 34.500 | 27.31   |         | 1474.6  |      |     |       |     |     |      |    |
|               | OBS    | 00289 | 05.47 | 34.630 | 27.35   |         | 1477.2  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 04.77 | 34.51  | 27.34   | 00.354  | 1474.4  |      |     |       |     |     |      |    |
|               | OBS    | 00302 | 04.64 | 34.500 | 27.34   |         | 1473.8  |      |     |       |     |     |      |    |
|               | OBS    | 00312 | 04.32 | 34.495 | 27.37   |         | 1472.7  |      |     |       |     |     |      |    |
|               | OBS    | 00319 | 04.62 | 34.620 | 27.42   |         | 1475.0  |      |     |       |     |     |      |    |
|               | OBS    | 00331 | 04.80 | 34.650 | 27.44   |         | 1475.2  |      |     |       |     |     |      |    |
|               | OBS    | 00335 | 05.16 | 34.750 | 27.46   |         | 1476.8  |      |     |       |     |     |      |    |
|               | OBS    | 00338 | 05.23 | 34.740 | 27.46   |         | 1477.2  |      |     |       |     |     |      |    |
|               | OBS    | 00348 | 05.85 | 34.830 | 27.46   |         | 1480.0  |      |     |       |     |     |      |    |
|               | OBS    | 00350 | 05.85 | 34.830 | 27.46   |         | 1480.0  |      |     |       |     |     |      |    |
|               | OBS    | 00359 | 05.82 | 34.830 | 27.46   |         | 1480.0  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 04.44 | 34.66  | 27.49   | 00.425  | 1474.8  |      |     |       |     |     |      |    |
|               | OBS    | 00403 | 04.44 | 34.645 | 27.48   |         | 1474.9  |      |     |       |     |     |      |    |
|               | OBS    | 00407 | 04.44 | 34.650 | 27.48   |         | 1475.0  |      |     |       |     |     |      |    |
|               | OBS    | 00415 | 04.76 | 34.760 | 27.53   |         | 1476.3  |      |     |       |     |     |      |    |
|               | OBS    | 00454 | 03.08 | 34.856 | 27.57   |         | 1476.6  |      |     |       |     |     |      |    |
|               | STD    | 00500 | 04.98 | 34.84  | 27.57   | 00.486  | 1479.0  |      |     |       |     |     |      |    |
|               | OBS    | 00500 | 04.98 | 34.840 | 27.57   |         | 1479.0  |      |     |       |     |     |      |    |
|               | OBS    | 00550 | 04.96 | 34.940 | 27.65   |         | 1479.8  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 05.15 | 34.99  | 27.67   | 00.541  | 1481.5  |      |     |       |     |     |      |    |
|               | OBS    | 00601 | 05.16 | 34.990 | 27.67   |         | 1481.4  |      |     |       |     |     |      |    |
|               | OBS    | 00654 | 04.90 | 34.974 | 27.68   |         | 1481.4  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 04.78 | 34.99  | 27.71   | 00.590  | 1481.4  |      |     |       |     |     |      |    |
|               | OBS    | 00700 | 04.78 | 34.990 | 27.71   |         | 1481.7  |      |     |       |     |     |      |    |
|               | OBS    | 00750 | 04.80 | 34.980 | 27.70   |         | 1482.5  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 04.69 | 34.97  | 27.71   | 00.638  | 1482.9  |      |     |       |     |     |      |    |
|               | OBS    | 00801 | 04.69 | 34.970 | 27.71   |         | 1482.9  |      |     |       |     |     |      |    |
|               | OBS    | 00850 | 04.50 | 34.987 | 27.74   |         | 1483.0  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 04.38 | 34.97  | 27.74   | 00.885  | 1483.3  |      |     |       |     |     |      |    |
|               | OBS    | 00902 | 04.38 | 34.970 | 27.74   |         | 1483.3  |      |     |       |     |     |      |    |
|               | OBS    | 00953 | 04.28 | 34.970 | 27.75   |         | 1483.8  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 04.21 | 34.96  | 27.75   | 00.730  | 1484.2  |      |     |       |     |     |      |    |
|               | OBS    | 01001 | 04.21 | 34.960 | 27.75   |         | 1484.2  |      |     |       |     |     |      |    |
|               | OBS    | 01018 | 04.18 | 34.960 | 27.76   |         | 1484.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BCTDP 04153 | AIR TEMP 08.2   | DIR HGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0001    | MONTH 06  | SHIP EV     | NET BULB 07.9   | 30 4 3      | WIND-SPD 22 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 43 04.0N   | DAY 11    | DATA USE 1  | BAROMETR 1009.9 | SEA         | WIND-FOA    | DURATION 00.4     | 2 SQUARE 26 |
| LONG 046 33.0W | HOOR 18.2 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X2  | ORIG 011 602      | 1 SQUARE 36 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | DRYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 18.2        | STD   | 00000 | 16.86 | 36.06  | 26.38   | 00.000  | 1514.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 16.86 | 36.060 | 26.38   |         | 1514.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 16.87 | 36.06  | 26.38   | 00.017  | 1514.4  |      |     |       |     |     |      |    |
|             | OBS   | 00010 | 16.87 | 36.065 | 26.38   |         | 1514.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 16.87 | 36.06  | 26.38   | 00.033  | 1514.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 16.87 | 36.065 | 26.38   |         | 1514.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 16.87 | 36.07  | 26.38   | 00.050  | 1514.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 16.87 | 36.070 | 26.38   |         | 1514.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 16.88 | 36.07  | 26.38   | 00.083  | 1515.3  |      |     |       |     |     |      |    |
|             | OBS   | 00050 | 16.88 | 36.070 | 26.38   |         | 1515.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 16.30 | 36.04  | 26.50   | 00.124  | 1513.9  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 15.80 | 36.01  | 26.59   | 00.162  | 1512.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 15.41 | 35.96  | 26.64   | 00.199  | 1511.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 15.09 | 35.91  | 26.67   | 00.235  | 1511.2  |      |     |       |     |     |      |    |
|             | STD   | 00175 | 14.82 | 35.850 | 26.68   |         | 1510.7  |      |     |       |     |     |      |    |
|             | OBS   | 00195 | 14.65 | 35.800 | 26.68   |         | 1510.5  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 14.80 | 35.83  | 26.67   | 00.306  | 1511.1  |      |     |       |     |     |      |    |
|             | OBS   | 00200 | 14.80 | 35.830 | 26.67   |         | 1511.1  |      |     |       |     |     |      |    |
|             | STD   | 00215 | 14.54 | 35.775 | 26.69   |         | 1510.4  |      |     |       |     |     |      |    |
|             | OBS   | 00225 | 14.50 | 35.840 | 26.75   |         | 1510.5  |      |     |       |     |     |      |    |
|             | STD   | 00240 | 14.35 | 35.885 | 26.77   |         | 1511.0  |      |     |       |     |     |      |    |
|             | OBS   | 00250 | 13.88 | 35.68  | 26.76   | 00.376  | 1508.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 13.88 | 35.685 | 26.76   |         | 1508.7  |      |     |       |     |     |      |    |
|             | OBS   | 00260 | 14.05 | 35.800 | 26.81   |         | 1509.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 13.50 | 35.71  | 26.86   | 00.443  | 1508.3  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 13.50 | 35.710 | 26.86   |         | 1508.3  |      |     |       |     |     |      |    |
|             | STD   | 00390 | 11.42 | 35.400 | 27.03   |         | 1502.4  |      |     |       |     |     |      |    |
|             | OBS   | 00400 | 11.25 | 35.43  | 27.08   | 00.561  | 1502.0  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 11.25 | 35.430 | 27.08   |         | 1502.0  |      |     |       |     |     |      |    |
|             | OBS   | 00420 | 10.66 | 35.295 | 27.09   |         | 1500.0  |      |     |       |     |     |      |    |
|             | STD   | 00430 | 10.60 | 35.345 | 27.13   |         | 1500.0  |      |     |       |     |     |      |    |
|             | OBS   | 00450 | 10.28 | 35.290 | 27.15   |         | 1499.2  |      |     |       |     |     |      |    |
|             | STD   | 00460 | 10.25 | 35.305 | 27.17   |         | 1499.2  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 09.59 | 35.11  | 27.16   | 00.667  | 1496.5  |      |     |       |     |     |      |    |
|             | STD   | 00570 | 08.35 | 35.105 | 27.32   |         | 1493.8  |      |     |       |     |     |      |    |
|             | OBS   | 00580 | 08.25 | 35.144 | 27.37   |         | 1493.6  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 07.90 | 35.17  | 27.44   | 00.755  | 1492.6  |      |     |       |     |     |      |    |
|             | OBS   | 00600 | 07.90 | 35.170 | 27.44   |         | 1492.6  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 06.73 | 35.08  | 27.54   | 00.827  | 1489.6  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 06.73 | 35.080 | 27.54   |         | 1489.6  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 05.96 | 35.07  | 27.64   | 00.889  | 1488.2  |      |     |       |     |     |      |    |
|             | OBS   | 00800 | 05.96 | 35.075 | 27.64   |         | 1488.2  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 05.68 | 35.11  | 27.70   | 00.943  | 1488.8  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 05.68 | 35.110 | 27.70   |         | 1488.8  |      |     |       |     |     |      |    |
|             | STD   | 00950 | 04.90 | 35.005 | 27.71   |         | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 01000 | 04.92 | 35.03  | 27.73   | 00.994  | 1487.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.92 | 35.035 | 27.73   |         | 1487.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTOP 04218 AIR TEMP 04.5 DIR HGT PER WIND-DIR 31 INST STD RECODER TEN SQ 1306  
 CONSEC 0002 MONTH 04 SHIP EV MET BULB 04.3 31 3 3 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 43 13.9N DAY 11 DATA USE 1 BAROMETR 1004.5 SEA WIND-FOR DURATION 00.5 2 SQUARE 26  
 LONG 047 06.3W HOUR 23.8 AREA 05 CLGUD T/A CL/TR WEATHER X1 CRIG 011 603 1 SQUARE 37

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNOPHT | SND VEL | DXVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 23.8        | STD   | 00000 | 08.09 | 33.07 | 25.77   | 00.000  | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 08.09 | 33.07 | 25.77   |         | 1490.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 08.07 | 33.06 | 25.76   | 00.022  | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 08.07 | 33.06 | 25.76   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 07.99 | 33.04 | 25.76   |         | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 07.53 | 32.95 | 25.75   |         | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 06.70 | 32.85 | 25.79   |         | 1475.3  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 06.18 | 32.93 | 25.92   |         | 1473.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 06.13 | 32.94 | 25.93   | 00.044  | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 06.03 | 33.01 | 26.00   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 06.09 | 33.43 | 26.33   |         | 1473.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 07.55 | 33.74 | 26.37   | 00.063  | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 07.94 | 33.82 | 26.38   |         | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 08.52 | 34.00 | 26.44   |         | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 08.02 | 33.96 | 26.48   |         | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 04.92 | 33.75 | 26.47   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 06.59 | 33.76 | 26.52   |         | 1476.6  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 06.56 | 33.84 | 26.59   |         | 1476.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 06.41 | 33.81 | 26.59   | 00.094  | 1476.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 06.02 | 33.74 | 26.58   |         | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 04.99 | 33.72 | 26.68   |         | 1470.2  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 03.95 | 33.64 | 26.73   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 03.51 | 33.61 | 26.75   |         | 1463.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.16 | 33.75 | 26.89   | 00.127  | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.10 | 33.75 | 26.90   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 02.99 | 33.75 | 26.91   |         | 1462.1  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 03.08 | 34.03 | 27.13   |         | 1462.9  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 03.60 | 34.08 | 27.12   |         | 1465.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 03.84 | 34.15 | 27.15   | 00.154  | 1466.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.21 | 34.24 | 27.18   | 00.177  | 1468.0  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.65 | 34.33 | 27.20   | 00.199  | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00196 | 05.59 | 34.49 | 27.23   |         | 1476.0  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 05.63 | 34.54 | 27.25   | 00.243  | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 05.72 | 34.56 | 27.26   |         | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 06.04 | 34.61 | 27.27   |         | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00209 | 06.09 | 34.65 | 27.27   |         | 1478.4  |      |     |       |     |     |      |    |
|             | OBS   | 00222 | 05.86 | 34.63 | 27.30   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 06.35 | 34.75 | 27.33   |         | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00239 | 06.37 | 34.74 | 27.32   |         | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00249 | 06.03 | 34.68 | 27.32   |         | 1478.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 05.99 | 34.68 | 27.32   | 00.284  | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00255 | 05.78 | 34.64 | 27.32   |         | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 06.28 | 34.83 | 27.40   |         | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 06.28 | 34.83 | 27.40   |         | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00285 | 05.83 | 34.75 | 27.40   |         | 1478.8  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.61 | 34.75 | 27.43   | 00.321  | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.60 | 34.75 | 27.43   |         | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00306 | 05.90 | 34.85 | 27.47   |         | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00321 | 04.15 | 34.61 | 27.48   |         | 1472.3  |      |     |       |     |     |      |    |
|             | OBS   | 00329 | 03.08 | 34.49 | 27.49   |         | 1467.7  |      |     |       |     |     |      |    |
|             | OBS   | 00336 | 04.13 | 34.62 | 27.49   |         | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 03.11 | 34.49 | 27.49   |         | 1468.2  |      |     |       |     |     |      |    |
|             | OBS   | 00386 | 02.55 | 34.50 | 27.55   |         | 1466.4  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 02.64 | 34.50 | 27.54   | 00.386  | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00405 | 02.68 | 34.50 | 27.54   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00428 | 02.85 | 34.60 | 27.60   |         | 1468.5  |      |     |       |     |     |      |    |
|             | OBS   | 00434 | 03.15 | 34.64 | 27.61   |         | 1469.9  |      |     |       |     |     |      |    |
|             | OBS   | 00453 | 03.78 | 34.72 | 27.61   |         | 1473.0  |      |     |       |     |     |      |    |
|             | OBS   | 00460 | 03.35 | 34.65 | 27.60   |         | 1471.1  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 02.50 | 34.67 | 27.60   | 00.442  | 1472.6  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.52 | 34.67 | 27.60   |         | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00546 | 03.95 | 34.76 | 27.63   |         | 1475.3  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.98 | 34.77 | 27.63   |         | 1475.5  |      |     |       |     |     |      |    |
|             | OBS   | 00584 | 03.99 | 34.78 | 27.63   |         | 1476.2  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.31 | 34.83 | 27.64   | 00.495  | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00611 | 04.46 | 34.85 | 27.64   |         | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00631 | 04.46 | 34.84 | 27.63   |         | 1479.4  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.37 | 34.83 | 27.63   | 00.548  | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.37 | 34.83 | 27.63   |         | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00776 | 04.37 | 34.85 | 27.65   |         | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.21 | 34.85 | 27.66   | 00.601  | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.21 | 34.84 | 27.66   |         | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00852 | 04.58 | 34.98 | 27.73   |         | 1483.3  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.39 | 34.96 | 27.73   | 00.651  | 1483.3  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.39 | 34.96 | 27.73   |         | 1483.3  |      |     |       |     |     |      |    |
|             | OBS   | 00953 | 04.26 | 34.94 | 27.74   |         | 1483.7  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.14 | 34.93 | 27.74   | 00.697  | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.14 | 34.93 | 27.74   |         | 1483.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|        |           |       |      |          |       |          |        |         |     |          |    |           |          |          |      |
|--------|-----------|-------|------|----------|-------|----------|--------|---------|-----|----------|----|-----------|----------|----------|------|
| REF ID | 31 8371   | YEAR  | 1974 | BOTDP    | 03735 | AIR TEMP | 05.5   | DIR MGT | PER | WIND-DIR | 31 | INST STD  | RECORDER | TEN SQ   | 1304 |
| CONSEC | 0003      | MONTH | 04   | SHIP EV  |       | WET BULB | 04.5   | 28      | 3   | 2        | 18 | TRACE DIR | 0        | 5 SQUARE | 2    |
| LAT    | 43 25.0N  | DAY   | 12   | DATA USE | 1     | BAROMETR | 1016.3 | SEA     |     | WIND-FOR | X0 | DURATION  | 00.4     | 2 SQUARE | 24   |
| LONG   | 047 38.6W | HOUR  | 03.9 | AREA     | 05    | CLWD T/A |        | CL/TR   |     | WEATHER  | X0 | ORIG      | 011 604  | 1 SQUARE | 37   |

| CASSTNUM/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|--------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 03.9          | STD    | 00000 | 05.87 | 33.12  | 26.11   | 00.000   | 1472.1  |      |     |       |     |     |      |    |
|               | OBS    | 00005 | 05.87 | 33.120 | 26.11   |          | 1472.2  |      |     |       |     |     |      |    |
|               | STD    | 00010 | 05.87 | 33.11  | 26.10   | 00.019   | 1472.2  |      |     |       |     |     |      |    |
|               | OBS    | 00011 | 05.87 | 33.110 | 26.10   |          | 1472.2  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 05.87 | 33.12  | 26.11   | 00.038   | 1472.4  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 05.87 | 33.120 | 26.11   |          | 1472.4  |      |     |       |     |     |      |    |
|               | OBS    | 00026 | 05.84 | 33.12  | 26.11   |          | 1472.4  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 05.64 | 33.10  | 26.12   | 00.058   | 1471.6  |      |     |       |     |     |      |    |
|               | OBS    | 00032 | 05.34 | 33.075 | 26.13   |          | 1470.4  |      |     |       |     |     |      |    |
|               | OBS    | 00036 | 04.58 | 33.030 | 26.18   |          | 1467.2  |      |     |       |     |     |      |    |
|               | OBS    | 00038 | 03.27 | 33.053 | 26.33   |          | 1461.8  |      |     |       |     |     |      |    |
|               | OBS    | 00043 | 02.22 | 33.08  | 26.44   |          | 1457.3  |      |     |       |     |     |      |    |
|               | OBS    | 00045 | 02.02 | 33.100 | 26.47   |          | 1456.5  |      |     |       |     |     |      |    |
|               | OBS    | 00049 | 01.52 | 33.130 | 26.53   |          | 1454.4  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 01.45 | 33.16  | 26.56   | 00.091   | 1454.1  |      |     |       |     |     |      |    |
|               | OBS    | 00053 | 01.31 | 33.260 | 26.65   |          | 1453.7  |      |     |       |     |     |      |    |
|               | OBS    | 00055 | 01.47 | 33.270 | 26.65   |          | 1454.4  |      |     |       |     |     |      |    |
|               | STD    | 00075 | 00.70 | 33.35  | 26.76   | 00.126   | 1451.4  |      |     |       |     |     |      |    |
|               | OBS    | 00078 | 00.58 | 33.435 | 26.84   |          | 1451.1  |      |     |       |     |     |      |    |
|               | OBS    | 00081 | 01.04 | 33.570 | 26.92   |          | 1453.4  |      |     |       |     |     |      |    |
|               | OBS    | 00097 | 01.31 | 33.593 | 26.92   |          | 1454.9  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 01.18 | 33.61  | 26.94   | 00.156   | 1454.4  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 01.18 | 33.620 | 26.95   |          | 1454.4  |      |     |       |     |     |      |    |
|               | OBS    | 00106 | 01.58 | 33.74  | 27.02   |          | 1456.4  |      |     |       |     |     |      |    |
|               | STD    | 00125 | 01.65 | 33.93  | 27.17   | 00.182   | 1457.3  |      |     |       |     |     |      |    |
|               | OBS    | 00125 | 01.66 | 33.940 | 27.17   |          | 1457.4  |      |     |       |     |     |      |    |
|               | STD    | 00150 | 02.53 | 34.06  | 27.20   | 00.204   | 1461.8  |      |     |       |     |     |      |    |
|               | OBS    | 00152 | 02.58 | 34.080 | 27.21   |          | 1462.0  |      |     |       |     |     |      |    |
|               | OBS    | 00175 | 02.76 | 34.260 | 27.34   |          | 1463.4  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 03.13 | 34.39  | 27.41   | 00.244   | 1465.6  |      |     |       |     |     |      |    |
|               | OBS    | 00205 | 03.22 | 34.430 | 27.43   |          | 1466.2  |      |     |       |     |     |      |    |
|               | OBS    | 00226 | 03.60 | 34.590 | 27.52   |          | 1468.3  |      |     |       |     |     |      |    |
|               | STD    | 00250 | 03.80 | 34.63  | 27.53   | 00.276   | 1469.6  |      |     |       |     |     |      |    |
|               | OBS    | 00253 | 03.83 | 34.640 | 27.54   |          | 1469.8  |      |     |       |     |     |      |    |
|               | OBS    | 00276 | 04.05 | 34.750 | 27.60   |          | 1471.3  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 04.20 | 34.77  | 27.60   | 00.303   | 1472.3  |      |     |       |     |     |      |    |
|               | OBS    | 00302 | 04.21 | 34.770 | 27.60   |          | 1472.4  |      |     |       |     |     |      |    |
|               | OBS    | 00356 | 04.32 | 34.830 | 27.64   |          | 1473.8  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 04.31 | 34.86  | 27.66   | 00.354   | 1474.6  |      |     |       |     |     |      |    |
|               | OBS    | 00405 | 04.31 | 34.860 | 27.66   |          | 1474.6  |      |     |       |     |     |      |    |
|               | OBS    | 00451 | 04.26 | 34.850 | 27.66   |          | 1475.2  |      |     |       |     |     |      |    |
|               | STD    | 00500 | 04.19 | 34.93  | 27.73   | 00.399   | 1475.8  |      |     |       |     |     |      |    |
|               | OBS    | 00500 | 04.19 | 34.930 | 27.73   |          | 1475.8  |      |     |       |     |     |      |    |
|               | OBS    | 00553 | 04.05 | 34.937 | 27.75   |          | 1476.1  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 03.99 | 34.94  | 27.76   | 00.441   | 1476.6  |      |     |       |     |     |      |    |
|               | OBS    | 00601 | 03.99 | 34.940 | 27.76   |          | 1476.7  |      |     |       |     |     |      |    |
|               | OBS    | 00651 | 03.92 | 34.950 | 27.78   |          | 1477.2  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 03.88 | 34.95  | 27.78   | 00.481   | 1477.8  |      |     |       |     |     |      |    |
|               | OBS    | 00700 | 03.88 | 34.950 | 27.78   |          | 1477.9  |      |     |       |     |     |      |    |
|               | OBS    | 00751 | 03.85 | 34.950 | 27.78   |          | 1478.6  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 03.81 | 34.95  | 27.79   | 00.520   | 1479.2  |      |     |       |     |     |      |    |
|               | OBS    | 00803 | 03.81 | 34.950 | 27.79   |          | 1479.3  |      |     |       |     |     |      |    |
|               | OBS    | 00854 | 03.76 | 34.950 | 27.79   |          | 1479.9  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 03.74 | 34.95  | 27.79   | 00.560   | 1480.6  |      |     |       |     |     |      |    |
|               | OBS    | 00900 | 03.74 | 34.950 | 27.79   |          | 1480.6  |      |     |       |     |     |      |    |
|               | OBS    | 00951 | 03.70 | 34.950 | 27.80   |          | 1481.3  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 03.65 | 34.95  | 27.80   | 00.599   | 1481.9  |      |     |       |     |     |      |    |
|               | OBS    | 01001 | 03.65 | 34.950 | 27.80   |          | 1481.9  |      |     |       |     |     |      |    |
|               | OBS    | 01020 | 03.65 | 34.950 | 27.80   |          | 1482.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 03700 | ATA TEMP 05.5   | DIR MGT PER | WIND-DIR 30 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0004    | MONTH 06  | SHIP EV     | WET BULB 04.5   | 28 3 2      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 34.5N   | DAY 12    | DATA USE 1  | BANDMETR 1016.2 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 28 |
| LONG 048 03.3W | HOOR 06.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X0  | DRIG 011 605      | 1 SQUARE 38 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DVNDPTH | SND VEL | DRYG | PO4 | TCT P | NQ2 | NQ3 | S103 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.7        | STD   | 00000 | 05.66 | 33.12  | 26.13   | 00.000  | 1471.2  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 05.66 | 33.11  | 26.13   |         | 1471.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.64 | 33.12  | 26.13   | 00.019  | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 05.64 | 33.120 | 26.13   |         | 1471.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.62 | 33.12  | 26.14   | 00.038  | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.62 | 33.120 | 26.14   |         | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 05.60 | 33.165 | 26.17   |         | 1471.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 05.30 | 33.15  | 26.20   | 00.056  | 1470.3  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 04.19 | 33.123 | 26.30   |         | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.17 | 33.140 | 26.49   |         | 1457.2  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 01.73 | 33.250 | 26.61   |         | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 01.32 | 33.260 | 26.65   |         | 1455.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.08 | 33.26  | 26.67   | 00.089  | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.60 | 33.260 | 26.70   |         | 1450.5  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 00.37 | 33.390 | 26.81   |         | 1449.6  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 00.62 | 33.440 | 26.84   |         | 1450.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.47 | 33.58  | 26.96   | 00.120  | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 00.46 | 33.590 | 26.97   |         | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 00.73 | 33.810 | 27.13   |         | 1452.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 01.18 | 33.92  | 27.19   | 00.145  | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 01.27 | 33.940 | 27.20   |         | 1455.2  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | 01.90 | 34.050 | 27.24   |         | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | 02.02 | 34.070 | 27.25   |         | 1458.9  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | 02.58 | 34.125 | 27.25   |         | 1461.4  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | 02.77 | 34.140 | 27.24   |         | 1462.3  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.77 | 34.14  | 27.24   | 00.166  | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.77 | 34.150 | 27.25   |         | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | 02.78 | 34.187 | 27.28   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | 03.36 | 34.290 | 27.31   |         | 1465.3  |      |     |       |     |     |      |    |
|             | OBS   | 00135 | 03.59 | 34.407 | 27.38   |         | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00139 | 03.65 | 34.400 | 27.37   |         | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 04.42 | 34.500 | 27.37   |         | 1470.4  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.52 | 34.57  | 27.41   | 00.185  | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 04.62 | 34.605 | 27.43   |         | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00156 | 04.82 | 34.640 | 27.43   |         | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00161 | 05.35 | 34.730 | 27.44   |         | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 05.51 | 34.747 | 27.44   |         | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 05.48 | 34.740 | 27.43   |         | 1475.6  |      |     |       |     |     |      |    |
|             | OBS   | 00188 | 05.15 | 34.680 | 27.43   |         | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00192 | 04.95 | 34.640 | 27.42   |         | 1473.5  |      |     |       |     |     |      |    |
|             | OBS   | 00194 | 04.86 | 34.630 | 27.42   |         | 1473.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 05.06 | 34.72  | 27.47   | 00.219  | 1474.2  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 05.08 | 34.780 | 27.50   |         | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00213 | 04.74 | 34.760 | 27.54   |         | 1473.1  |      |     |       |     |     |      |    |
|             | OBS   | 00222 | 04.71 | 34.750 | 27.52   |         | 1473.1  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.13 | 34.72  | 27.57   | 00.249  | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.12 | 34.720 | 27.57   |         | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.37 | 34.780 | 27.59   |         | 1472.7  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.66 | 34.82  | 27.60   | 00.276  | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 04.69 | 34.830 | 27.60   |         | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.92 | 34.980 | 27.69   |         | 1476.4  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.06 | 34.98  | 27.67   | 00.327  | 1477.8  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 05.06 | 34.980 | 27.67   |         | 1477.8  |      |     |       |     |     |      |    |
|             | OBS   | 00426 | 04.76 | 34.980 | 27.71   |         | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00432 | 04.57 | 34.950 | 27.71   |         | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.56 | 34.960 | 27.72   |         | 1476.6  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.76 | 34.99  | 27.72   | 00.373  | 1478.2  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.76 | 34.990 | 27.72   |         | 1478.3  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.51 | 34.980 | 27.74   |         | 1478.0  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.58 | 34.97  | 27.72   | 00.418  | 1479.1  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 04.58 | 34.970 | 27.72   |         | 1479.2  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.37 | 34.990 | 27.76   |         | 1479.1  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.24 | 34.97  | 27.76   | 00.461  | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.24 | 34.970 | 27.76   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.12 | 34.960 | 27.76   |         | 1479.7  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.06 | 34.96  | 27.77   | 00.503  | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.06 | 34.960 | 27.77   |         | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.97 | 34.950 | 27.77   |         | 1480.7  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.96 | 34.95  | 27.78   | 00.545  | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.96 | 34.950 | 27.78   |         | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.90 | 34.950 | 27.78   |         | 1482.1  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.87 | 34.95  | 27.78   | 00.587  | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.87 | 34.950 | 27.78   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01018 | 03.87 | 34.950 | 27.79   |         | 1483.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BDTDP 02210 | AIR TEMP 06.9   | DIR HGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1906 |
| CUNSEC 0005    | MONTH 06  | SHIP EV     | WET BULB 06.1   | 26 4 7      | WIND-SPO 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 46.2W   | DAY 12    | DATA USE 1  | BAROMETR 1021.8 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 28 |
| LONG 048 35.7W | HOOR 10.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | CRIG 011 606      | 1 SQUARE 38 |

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | DRYG | PO4 | TOT P | NO2 | NO3 | STO3 | PH |
|---------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 10.2          | STD     | 00000 | 03.28  | 32.90  | 26.21   | 00.000  | 1461.0  |      |     |       |     |     |      |    |
|               | OBS     | 00003 | 03.28  | 32.900 | 26.21   |         | 1461.0  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 03.28  | 32.90  | 26.21   | 00.018  | 1461.1  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 03.28  | 32.900 | 26.21   |         | 1461.1  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 03.17  | 32.92  | 26.23   | 00.036  | 1460.9  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 03.15  | 32.920 | 26.24   |         | 1460.8  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 02.80  | 32.92  | 26.27   | 00.054  | 1459.4  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 02.72  | 32.920 | 26.27   |         | 1459.1  |      |     |       |     |     |      |    |
|               | OBS     | 00036 | 01.34  | 32.900 | 26.36   |         | 1453.0  |      |     |       |     |     |      |    |
|               | OBS     | 00038 | 01.15  | 33.147 | 26.57   |         | 1452.6  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 01.06  | 33.24  | 26.65   | 00.086  | 1452.5  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 01.00  | 33.250 | 26.66   |         | 1452.3  |      |     |       |     |     |      |    |
|               | OBS     | 00055 | 00.80  | 33.270 | 26.65   |         | 1451.4  |      |     |       |     |     |      |    |
|               | OBS     | 00060 | - 0.07 | 33.490 | 26.91   |         | 1447.9  |      |     |       |     |     |      |    |
|               | OBS     | 00066 | - 0.11 | 33.582 | 26.99   |         | 1447.9  |      |     |       |     |     |      |    |
|               | STD     | 00075 | - 0.11 | 33.69  | 27.08   | 00.116  | 1448.2  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | - 0.10 | 33.703 | 27.09   |         | 1448.3  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 00.56  | 33.94  | 27.24   | 00.138  | 1452.0  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | 00.58  | 33.950 | 27.25   |         | 1452.1  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 00.76  | 34.08  | 27.34   | 00.158  | 1453.5  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | 00.77  | 34.080 | 27.34   |         | 1453.6  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 01.12  | 34.20  | 27.41   | 00.176  | 1455.7  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | 01.13  | 34.200 | 27.42   |         | 1455.8  |      |     |       |     |     |      |    |
|               | OBS     | 00175 | 01.52  | 34.283 | 27.46   |         | 1458.0  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 01.90  | 34.44  | 27.56   | 00.207  | 1460.4  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 01.92  | 34.450 | 27.56   |         | 1460.5  |      |     |       |     |     |      |    |
|               | OBS     | 00228 | 02.08  | 34.490 | 27.58   |         | 1461.7  |      |     |       |     |     |      |    |
|               | OBS     | 00232 | 02.15  | 34.505 | 27.59   |         | 1462.1  |      |     |       |     |     |      |    |
|               | OBS     | 00239 | 02.56  | 34.606 | 27.63   |         | 1464.1  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 02.49  | 34.61  | 27.64   | 00.232  | 1464.0  |      |     |       |     |     |      |    |
|               | OBS     | 00255 | 02.45  | 34.620 | 27.65   |         | 1463.9  |      |     |       |     |     |      |    |
|               | OBS     | 00260 | 03.15  | 34.700 | 27.65   |         | 1467.1  |      |     |       |     |     |      |    |
|               | OBS     | 00266 | 03.40  | 34.730 | 27.65   |         | 1468.3  |      |     |       |     |     |      |    |
|               | OBS     | 00276 | 03.44  | 34.730 | 27.65   |         | 1468.7  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 03.65  | 34.77  | 27.66   | 00.256  | 1470.0  |      |     |       |     |     |      |    |
|               | OBS     | 00300 | 03.65  | 34.770 | 27.66   |         | 1470.0  |      |     |       |     |     |      |    |
|               | OBS     | 00316 | 03.71  | 34.780 | 27.66   |         | 1470.5  |      |     |       |     |     |      |    |
|               | OBS     | 00323 | 03.08  | 34.730 | 27.68   |         | 1467.9  |      |     |       |     |     |      |    |
|               | OBS     | 00329 | 03.10  | 34.730 | 27.68   |         | 1468.1  |      |     |       |     |     |      |    |
|               | OBS     | 00331 | 03.53  | 34.770 | 27.67   |         | 1470.0  |      |     |       |     |     |      |    |
|               | OBS     | 00350 | 03.58  | 34.775 | 27.67   |         | 1470.5  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 03.54  | 34.78  | 27.68   | 00.302  | 1471.2  |      |     |       |     |     |      |    |
|               | OBS     | 00403 | 03.54  | 34.780 | 27.68   |         | 1471.3  |      |     |       |     |     |      |    |
|               | OBS     | 00458 | 03.73  | 34.840 | 27.71   |         | 1473.1  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 03.84  | 34.85  | 27.70   | 00.347  | 1474.2  |      |     |       |     |     |      |    |
|               | OBS     | 00502 | 03.85  | 34.850 | 27.70   |         | 1474.3  |      |     |       |     |     |      |    |
|               | OBS     | 00552 | 03.94  | 34.840 | 27.69   |         | 1475.5  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 03.96  | 34.85  | 27.69   | 00.393  | 1476.4  |      |     |       |     |     |      |    |
|               | OBS     | 00601 | 03.96  | 34.850 | 27.69   |         | 1476.4  |      |     |       |     |     |      |    |
|               | OBS     | 00652 | 04.05  | 34.940 | 27.75   |         | 1477.8  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 04.03  | 34.94  | 27.76   | 00.437  | 1478.5  |      |     |       |     |     |      |    |
|               | OBS     | 00700 | 04.03  | 34.940 | 27.76   |         | 1478.5  |      |     |       |     |     |      |    |
|               | OBS     | 00750 | 03.92  | 34.943 | 27.77   |         | 1478.8  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 03.88  | 34.94  | 27.77   | 00.479  | 1479.5  |      |     |       |     |     |      |    |
|               | OBS     | 00801 | 03.88  | 34.940 | 27.77   |         | 1479.5  |      |     |       |     |     |      |    |
|               | OBS     | 00850 | 03.76  | 34.940 | 27.78   |         | 1479.8  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 03.72  | 34.93  | 27.78   | 00.520  | 1480.5  |      |     |       |     |     |      |    |
|               | OBS     | 00900 | 03.72  | 34.930 | 27.78   |         | 1480.5  |      |     |       |     |     |      |    |
|               | OBS     | 00955 | 03.69  | 34.930 | 27.78   |         | 1481.3  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 03.67  | 34.93  | 27.79   | 00.561  | 1481.9  |      |     |       |     |     |      |    |
|               | OBS     | 01001 | 03.67  | 34.930 | 27.79   |         | 1482.0  |      |     |       |     |     |      |    |
|               | OBS     | 01020 | 03.65  | 34.918 | 27.78   |         | 1482.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00670 | AIR TEMP 06.9   | DIR HGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0006    | MONTH 06  | SHIP EV     | WET BULB 06.1   | 26 3 4      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 49.2N   | DAY 12    | DATA USE 1  | BANDMETR 1021.8 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 28 |
| LONG 048 55.0W | HOOR 12.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 607      | 1 SQUARE 38 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYNPTH | SND VEL | GVG | P04 | TOT P | NO2 | NO3 | S103 | PH |
|-------------|-------|-------|--------|-------|---------|--------|---------|-----|-----|-------|-----|-----|------|----|
| 12.2        | STD   | 00000 | 03.48  | 32.78 | 26.10   | 00.000 | 1461.7  |     |     |       |     |     |      |    |
|             | OBS   | 00001 | 03.48  | 32.78 | 26.10   |        | 1461.7  |     |     |       |     |     |      |    |
|             | STD   | 00010 | 03.36  | 32.77 | 26.10   | 00.019 | 1461.3  |     |     |       |     |     |      |    |
|             | OBS   | 00013 | 03.25  | 32.77 | 26.11   |        | 1460.9  |     |     |       |     |     |      |    |
|             | STD   | 00020 | 03.17  | 32.77 | 26.12   | 00.038 | 1460.6  |     |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.88  | 32.77 | 26.14   |        | 1460.6  |     |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.06  | 32.69 | 26.14   |        | 1459.4  |     |     |       |     |     |      |    |
|             | OBS   | 00026 | 00.72  | 32.51 | 26.41   |        | 1455.7  |     |     |       |     |     |      |    |
|             | STD   | 00030 | 00.37  | 33.32 | 26.51   | 00.056 | 1450.1  |     |     |       |     |     |      |    |
|             | OBS   | 00030 | 00.34  | 33.03 | 26.52   |        | 1448.7  |     |     |       |     |     |      |    |
|             | OBS   | 00034 | 00.23  | 33.03 | 26.53   |        | 1448.6  |     |     |       |     |     |      |    |
|             | OBS   | 00036 | - 0.23 | 33.05 | 26.57   |        | 1448.2  |     |     |       |     |     |      |    |
|             | OBS   | 00040 | - 0.47 | 33.04 | 26.57   |        | 1446.1  |     |     |       |     |     |      |    |
|             | OBS   | 00041 | - 1.04 | 33.09 | 26.63   |        | 1445.1  |     |     |       |     |     |      |    |
|             | OBS   | 00047 | - 1.27 | 33.10 | 26.64   |        | 1442.5  |     |     |       |     |     |      |    |
|             | OBS   | 00049 | - 1.54 | 33.12 | 26.67   |        | 1441.5  |     |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.56 | 33.15 | 26.69   | 00.084 | 1440.3  |     |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.61 | 33.21 | 26.75   |        | 1440.2  |     |     |       |     |     |      |    |
|             | OBS   | 00057 | - 1.63 | 33.27 | 26.79   |        | 1440.2  |     |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.58 | 33.27 | 26.79   | 00.117 | 1440.7  |     |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.58 | 33.27 | 26.79   |        | 1440.8  |     |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.52 | 33.39 | 26.89   | 00.147 | 1441.6  |     |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.51 | 33.39 | 26.89   |        | 1441.7  |     |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.21 | 33.44 | 26.91   | 00.176 | 1443.6  |     |     |       |     |     |      |    |
|             | OBS   | 00127 | - 1.17 | 33.45 | 26.92   |        | 1443.8  |     |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.68 | 33.69 | 27.10   | 00.203 | 1446.8  |     |     |       |     |     |      |    |
|             | OBS   | 00152 | - 0.64 | 33.70 | 27.11   |        | 1447.1  |     |     |       |     |     |      |    |
|             | OBS   | 00177 | - 0.34 | 33.78 | 27.16   |        | 1449.0  |     |     |       |     |     |      |    |
|             | STD   | 00200 | 00.34  | 33.96 | 27.27   | 00.247 | 1452.7  |     |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.38  | 33.97 | 27.28   |        | 1452.9  |     |     |       |     |     |      |    |
|             | OBS   | 00226 | 00.84  | 34.14 | 27.35   |        | 1455.7  |     |     |       |     |     |      |    |
|             | STD   | 00250 | 01.22  | 34.25 | 27.45   | 00.284 | 1457.9  |     |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.25  | 34.26 | 27.46   |        | 1458.1  |     |     |       |     |     |      |    |
|             | OBS   | 00276 | 01.84  | 34.44 | 27.56   |        | 1461.3  |     |     |       |     |     |      |    |
|             | STD   | 00300 | 02.15  | 34.49 | 27.57   | 00.313 | 1463.2  |     |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.16  | 34.49 | 27.57   |        | 1463.2  |     |     |       |     |     |      |    |
|             | OBS   | 00342 | 02.49  | 34.61 | 27.64   |        | 1465.5  |     |     |       |     |     |      |    |
|             | OBS   | 00352 | 02.67  | 34.62 | 27.63   |        | 1466.5  |     |     |       |     |     |      |    |
|             | STD   | 00400 | 02.06  | 34.73 | 27.68   | 00.363 | 1469.1  |     |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.07  | 34.73 | 27.68   |        | 1469.2  |     |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.49  | 34.78 | 27.68   |        | 1471.8  |     |     |       |     |     |      |    |
|             | STD   | 00500 | 03.73  | 34.83 | 27.70   | 00.408 | 1473.7  |     |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.74  | 34.83 | 27.70   |        | 1473.8  |     |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.79  | 34.85 | 27.71   |        | 1474.8  |     |     |       |     |     |      |    |
|             | STD   | 00600 | 03.84  | 34.83 | 27.69   | 00.454 | 1475.8  |     |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.84  | 34.83 | 27.65   |        | 1475.9  |     |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.87  | 34.84 | 27.69   |        | 1476.8  |     |     |       |     |     |      |    |
|             | OBS   | 00660 | 03.85  | 34.85 | 27.70   |        | 1476.9  |     |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00281 | AIR TEMP 08.5   | DIR HGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0007    | MONTH 06  | SHIP EV     | WET BULB 08.0   | 26 3 2      | WIND-SPD 06 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 54.8N   | DAY 14    | DATA USE 1  | BANDMETR 1021.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 28 |
| LONG 049 03.8W | HOOR 13.9 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 608      | 1 SQUARE 39 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYNPTH | SND VEL | GVG | P04 | TOT P | NO2 | NO3 | S103 | PH |
|-------------|-------|-------|--------|-------|---------|--------|---------|-----|-----|-------|-----|-----|------|----|
| 13.9        | STD   | 00000 | 03.78  | 32.70 | 26.31   | 00.000 | 1462.3  |     |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.78  | 32.70 | 26.31   |        | 1462.9  |     |     |       |     |     |      |    |
|             | STD   | 00010 | 03.65  | 32.73 | 26.34   | 00.020 | 1462.2  |     |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.63  | 32.73 | 26.35   |        | 1462.4  |     |     |       |     |     |      |    |
|             | OBS   | 00017 | 03.60  | 32.76 | 26.37   |        | 1462.4  |     |     |       |     |     |      |    |
|             | STD   | 00020 | 03.24  | 32.77 | 26.11   | 00.035 | 1460.9  |     |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.17  | 32.77 | 26.12   |        | 1460.7  |     |     |       |     |     |      |    |
|             | OBS   | 00022 | 03.08  | 32.76 | 26.12   |        | 1460.3  |     |     |       |     |     |      |    |
|             | OBS   | 00024 | 02.75  | 32.76 | 26.15   |        | 1458.9  |     |     |       |     |     |      |    |
|             | OBS   | 00026 | 02.63  | 32.79 | 26.18   |        | 1456.4  |     |     |       |     |     |      |    |
|             | STD   | 00030 | 02.00  | 32.77 | 26.21   | 00.058 | 1455.7  |     |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.36  | 32.77 | 26.25   |        | 1452.9  |     |     |       |     |     |      |    |
|             | OBS   | 00047 | 00.42  | 32.90 | 26.42   |        | 1449.1  |     |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.03 | 33.00 | 26.52   | 00.091 | 1447.2  |     |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.24 | 33.05 | 26.57   |        | 1446.3  |     |     |       |     |     |      |    |
|             | OBS   | 00062 | - 0.49 | 33.07 | 26.59   |        | 1445.4  |     |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.21 | 33.12 | 26.65   | 00.128 | 1442.3  |     |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.26 | 33.12 | 26.66   |        | 1442.1  |     |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.56 | 33.25 | 26.77   | 00.161 | 1441.3  |     |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.56 | 33.25 | 26.77   |        | 1441.3  |     |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.46 | 33.28 | 26.75   | 00.193 | 1442.2  |     |     |       |     |     |      |    |
|             | OBS   | 00127 | - 1.44 | 33.29 | 26.80   |        | 1442.3  |     |     |       |     |     |      |    |
|             | OBS   | 00142 | - 1.43 | 33.38 | 26.88   |        | 1442.7  |     |     |       |     |     |      |    |
|             | STD   | 00150 | - 1.35 | 33.38 | 26.87   | 00.223 | 1443.3  |     |     |       |     |     |      |    |
|             | OBS   | 00150 | - 1.34 | 33.38 | 26.88   |        | 1443.3  |     |     |       |     |     |      |    |
|             | OBS   | 00177 | - 0.70 | 33.61 | 27.04   |        | 1447.0  |     |     |       |     |     |      |    |
|             | STD   | 00200 | - 0.17 | 33.78 | 27.15   | 00.276 | 1450.4  |     |     |       |     |     |      |    |
|             | OBS   | 00201 | - 0.07 | 33.80 | 27.16   |        | 1450.7  |     |     |       |     |     |      |    |
|             | OBS   | 00222 | 00.67  | 34.06 | 27.35   |        | 1454.7  |     |     |       |     |     |      |    |
|             | OBS   | 00228 | 00.93  | 34.16 | 27.40   |        | 1456.1  |     |     |       |     |     |      |    |
|             | STD   | 00250 | 01.41  | 34.27 | 27.48   | 00.315 | 1458.8  |     |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.43  | 34.29 | 27.47   |        | 1458.9  |     |     |       |     |     |      |    |
|             | OBS   | 00257 | 01.52  | 34.39 | 27.54   |        | 1459.5  |     |     |       |     |     |      |    |
|             | OBS   | 00262 | 01.56  | 34.42 | 27.53   |        | 1461.6  |     |     |       |     |     |      |    |
|             | OBS   | 00276 | 02.04  | 34.42 | 27.53   |        | 1462.2  |     |     |       |     |     |      |    |
|             | OBS   | 00279 | 02.05  | 34.43 | 27.53   |        | 1462.3  |     |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00091 | AIR TEMP 10.3   | DIR MGT PER | WIND-DIR 26 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0008    | MONTH 06  | SHIP EV     | WET BULB 10.1   | 35 3 4      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 56.8N   | DAY 12    | DATA USE 1  | BAROMETR 1021.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 28 |
| LONG 049 12.0W | HOOR 15.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 6090016  | 1 SQUARE 19 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.0        | STD   | 00000 | 04.43  | 32.70  | 25.94   | 00.000  | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 04.43  | 32.697 | 25.94   |         | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.48  | 32.690 | 25.92   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 04.35  | 32.670 | 25.92   |         | 1465.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.29  | 32.69  | 25.95   | 00.021  | 1465.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.27  | 32.700 | 25.95   |         | 1465.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.14  | 32.69  | 25.94   | 00.041  | 1464.7  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 04.07  | 32.685 | 25.94   |         | 1464.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.80  | 32.70  | 26.00   | 00.062  | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.78  | 32.700 | 26.00   |         | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 03.53  | 32.700 | 26.03   |         | 1462.4  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 02.78  | 32.735 | 26.12   |         | 1459.2  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 02.36  | 32.735 | 26.15   |         | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 01.12  | 32.900 | 26.37   |         | 1452.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.58  | 33.00  | 26.49   | 00.097  | 1450.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.45  | 33.020 | 26.51   |         | 1449.4  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 00.11  | 33.035 | 26.54   |         | 1448.0  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | - 0.30 | 33.005 | 26.53   |         | 1446.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 0.99 | 33.21  | 26.72   | 00.133  | 1443.4  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.08 | 33.230 | 26.74   |         | 1443.1  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 1.26 | 33.270 | 26.78   |         | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | - 1.26 | 33.260 | 26.77   |         | 1442.5  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00044 | AIR TEMP 10.5   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0009    | MONTH 06  | SHIP EV     | WET BULB 10.2   | 34 3 3      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 59.2N   | DAY 12    | DATA USE 1  | BAROMETR 1021.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 28 |
| LONG 049 18.0W | HOOR 15.4 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 610      | 1 SQUARE 39 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.4        | STD   | 00000 | 02.00 | 32.63  | 26.10   | 00.000  | 1455.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 02.00 |        |         |         |         |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.76 | 32.635 | 25.85 * |         | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 04.47 | 32.645 | 25.89   |         | 1465.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.43 | 32.68  | 25.92   | 00.020  | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.41 | 32.667 | 25.93   |         | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 04.39 | 32.695 | 25.94   |         | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 04.08 | 32.680 | 25.96   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.65 | 32.627 | 25.96   |         | 1462.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.30 | 32.60  | 25.97   | 00.041  | 1461.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.99 | 32.570 | 25.57   |         | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.37 | 32.770 | 26.18   |         | 1457.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.76 | 32.87  | 26.31   | 00.060  | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.73 | 32.880 | 26.32   |         | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 01.63 | 32.907 | 26.35   |         | 1454.5  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00042 | AIR TEMP 10.5   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0010    | MONTH 06  | SHIP EV     | WET BULB 09.5   | 34 2 3      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 03.5N   | DAY 12    | DATA USE 1  | BAROMETR 1021.9 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 46 |
| LONG 049 27.5W | HOOR 16.8 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 611      | 1 SQUARE 46 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 16.8        | STD   | 00000 | 04.83 | 32.66  | 25.87   | 00.300  | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 04.83 | 32.664 | 25.87   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 04.53 | 32.646 | 25.89   |         | 1466.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.48 | 32.66  | 25.90   | 00.021  | 1465.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.44 | 32.672 | 25.91   |         | 1465.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.00 | 32.69  | 25.97   | 00.042  | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.68 | 32.695 | 25.98   |         | 1464.0  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.69 | 32.690 | 26.00   |         | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00.24 | 01.20 | 32.650 | 26.05   |         | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 02.89 | 32.775 | 26.14   |         | 1459.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.87 | 32.78  | 26.15   | 00.062  | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00033 | 02.86 | 32.784 | 26.15   |         | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 02.82 | 32.777 | 26.15   |         | 1459.4  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 02.62 | 32.780 | 26.15   |         | 1459.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |                    |             |                   |             |
|----------------|-----------|-------------|-----------------|--------------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00064 | AIR TEMP 08.5   | DIR HGT PER 19 1 3 | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0011    | MONTH 06  | SHIP EV     | WET BULB 06.5   | SEA 19 1 3         | WIND-SPD 14 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 46.5N   | DAY 13    | DATA USE 1  | BAROMETR 1023.8 | CL/TR              | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 21.8W | HOUR 06.8 | AREA 05     | CLUD T/A        |                    | WEATHER X2  | CRIG 011 612      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH  | TEMP   | SAL   | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|--------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| STD         | 00000 | 03.96  | 32.71  | 25.99 | 00.000  | 1463.6  |         |      |     |       |     |     |      |    |
| 06.8 OBS    | 00000 | 03.96  | 32.710 | 25.99 |         | 1463.6  |         |      |     |       |     |     |      |    |
| STD         | 00010 | 03.91  | 32.71  | 26.00 | 00.020  | 1463.6  |         |      |     |       |     |     |      |    |
| OBS         | 00010 | 03.91  | 32.710 | 26.00 |         | 1463.6  |         |      |     |       |     |     |      |    |
| OBS         | 00015 | 03.36  | 32.650 | 26.00 |         | 1461.2  |         |      |     |       |     |     |      |    |
| STD         | 00020 | 03.30  | 32.73  | 26.07 | 00.040  | 1461.1  |         |      |     |       |     |     |      |    |
| OBS         | 00020 | 03.30  | 32.730 | 26.07 |         | 1461.1  |         |      |     |       |     |     |      |    |
| OBS         | 00025 | 03.21  | 32.750 | 26.10 |         | 1460.9  |         |      |     |       |     |     |      |    |
| STD         | 00030 | 02.03  | 32.67  | 26.13 | 00.059  | 1455.7  |         |      |     |       |     |     |      |    |
| OBS         | 00030 | 02.03  | 32.670 | 26.13 |         | 1455.7  |         |      |     |       |     |     |      |    |
| OBS         | 00035 | 00.63  | 32.860 | 26.37 |         | 1449.8  |         |      |     |       |     |     |      |    |
| OBS         | 00040 | - 0.09 | 32.950 | 26.48 |         | 1446.7  |         |      |     |       |     |     |      |    |
| STD         | 00050 | - 0.56 | 33.07  | 26.60 | 00.093  | 1444.8  |         |      |     |       |     |     |      |    |
| OBS         | 00050 | - 0.56 | 33.070 | 26.60 |         | 1444.8  |         |      |     |       |     |     |      |    |
| OBS         | 00055 | - 0.80 | 33.140 | 26.66 |         | 1443.9  |         |      |     |       |     |     |      |    |
| OBS         | 00057 | - 0.81 | 33.150 | 26.67 |         | 1443.9  |         |      |     |       |     |     |      |    |

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|                |           |             |                 |                    |             |                   |             |
|----------------|-----------|-------------|-----------------|--------------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00064 | AIR TEMP 06.5   | DIR HGT PER 19 1 3 | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0012    | MONTH 06  | SHIP EV     | WET BULB 05.9   | SEA 19 1 3         | WIND-SPD 14 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 45.5N   | DAY 13    | DATA USE 1  | BAROMETR 1023.8 | CL/TR              | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 14.2W | HOUR 07.9 | AREA 05     | CLUD T/A        |                    | WEATHER X2  | CRIG 011 613      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH  | TEMP   | SAL   | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|--------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| STD         | 00000 | 03.51  | 32.81  | 26.08 | 00.000  | 1463.5  |         |      |     |       |     |     |      |    |
| 07.9 OBS    | 00000 | 03.51  | 32.810 | 26.08 |         | 1463.5  |         |      |     |       |     |     |      |    |
| OBS         | 00005 | 03.92  | 32.810 | 26.08 |         | 1463.7  |         |      |     |       |     |     |      |    |
| STD         | 00010 | 03.72  | 32.82  | 26.10 | 00.019  | 1462.9  |         |      |     |       |     |     |      |    |
| OBS         | 00010 | 03.72  | 32.820 | 26.10 |         | 1462.9  |         |      |     |       |     |     |      |    |
| OBS         | 00015 | 02.99  | 32.800 | 26.15 |         | 1459.8  |         |      |     |       |     |     |      |    |
| STD         | 00020 | 02.86  | 32.81  | 26.17 | 00.038  | 1459.4  |         |      |     |       |     |     |      |    |
| OBS         | 00020 | 02.86  | 32.810 | 26.17 |         | 1459.4  |         |      |     |       |     |     |      |    |
| OBS         | 00025 | 02.38  | 32.780 | 26.19 |         | 1457.3  |         |      |     |       |     |     |      |    |
| STD         | 00030 | 02.05  | 32.79  | 26.22 | 00.056  | 1455.9  |         |      |     |       |     |     |      |    |
| OBS         | 00030 | 02.05  | 32.790 | 26.22 |         | 1455.9  |         |      |     |       |     |     |      |    |
| OBS         | 00035 | 01.71  | 32.900 | 26.33 |         | 1454.7  |         |      |     |       |     |     |      |    |
| OBS         | 00040 | 00.50  | 32.850 | 26.37 |         | 1449.3  |         |      |     |       |     |     |      |    |
| OBS         | 00045 | - 0.20 | 33.070 | 26.58 |         | 1446.4  |         |      |     |       |     |     |      |    |
| STD         | 00050 | - 0.33 | 33.05  | 26.57 | 00.089  | 1445.9  |         |      |     |       |     |     |      |    |
| OBS         | 00050 | - 0.33 | 33.050 | 26.57 |         | 1445.9  |         |      |     |       |     |     |      |    |
| OBS         | 00055 | - 1.05 | 33.130 | 26.66 |         | 1442.7  |         |      |     |       |     |     |      |    |
| OBS         | 00060 | - 1.09 | 33.150 | 26.68 |         | 1442.7  |         |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|--------------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00284 | AIR TEMP        | DIR HGT PER 19 2 2 | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0013    | MONTH 06  | SHIP EV     | WET BULB        | SEA 19 2 2         | WIND-SPD 72 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 44.0N   | DAY 13    | DATA USE 1  | BAROMETR 1024.1 | CL/TR              | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 03.0W | HOUR 08.8 | AREA 05     | CLUD T/A        |                    | WEATHER X2  | CRIG 011 614      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH  | TEMP   | SAL   | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|--------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| STD         | 00000 | 02.52  | 32.78  | 26.10 | 00.000  | 1461.8  |         |      |     |       |     |     |      |    |
| 08.8 OBS    | 00003 | 02.52  | 32.785 | 26.10 |         | 1461.9  |         |      |     |       |     |     |      |    |
| OBS         | 00005 | 02.52  | 32.787 | 26.10 |         | 1461.9  |         |      |     |       |     |     |      |    |
| STD         | 00010 | 03.16  | 32.77  | 26.12 | 00.019  | 1460.4  |         |      |     |       |     |     |      |    |
| OBS         | 00013 | 02.96  | 32.765 | 26.13 |         | 1459.6  |         |      |     |       |     |     |      |    |
| STD         | 00020 | 02.82  | 32.76  | 26.14 | 00.038  | 1455.1  |         |      |     |       |     |     |      |    |
| OBS         | 00020 | 02.79  | 32.765 | 26.14 |         | 1459.0  |         |      |     |       |     |     |      |    |
| STD         | 00030 | 02.66  | 32.75  | 26.15 | 00.057  | 1458.0  |         |      |     |       |     |     |      |    |
| OBS         | 00032 | 02.25  | 32.750 | 26.18 |         | 1456.8  |         |      |     |       |     |     |      |    |
| OBS         | 00034 | 01.82  | 32.726 | 26.18 |         | 1454.9  |         |      |     |       |     |     |      |    |
| OBS         | 00040 | - 0.52 | 32.910 | 26.47 |         | 1444.0  |         |      |     |       |     |     |      |    |
| OBS         | 00043 | - 0.86 | 32.910 | 26.48 |         | 1443.1  |         |      |     |       |     |     |      |    |
| STD         | 00050 | - 1.47 | 33.10  | 26.65 | 00.090  | 1440.6  |         |      |     |       |     |     |      |    |
| OBS         | 00051 | - 1.56 | 33.125 | 26.67 |         | 1440.3  |         |      |     |       |     |     |      |    |
| OBS         | 00059 | - 1.70 | 33.126 | 26.67 |         | 1439.7  |         |      |     |       |     |     |      |    |
| STD         | 00075 | - 1.67 | 33.23  | 26.76 | 00.123  | 1440.3  |         |      |     |       |     |     |      |    |
| OBS         | 00076 | - 1.67 | 33.230 | 26.76 |         | 1440.3  |         |      |     |       |     |     |      |    |
| STD         | 00100 | - 1.67 | 33.25  | 26.77 | 00.155  | 1440.7  |         |      |     |       |     |     |      |    |
| OBS         | 00100 | - 1.67 | 33.250 | 26.78 |         | 1440.7  |         |      |     |       |     |     |      |    |
| STD         | 00125 | - 1.58 | 33.38  | 26.88 | 00.186  | 1441.7  |         |      |     |       |     |     |      |    |
| OBS         | 00125 | - 1.58 | 33.380 | 26.88 |         | 1441.8  |         |      |     |       |     |     |      |    |
| OBS         | 00140 | - 1.44 | 33.410 | 26.90 |         | 1442.7  |         |      |     |       |     |     |      |    |
| STD         | 00150 | - 1.29 | 33.46  | 26.94 | 00.215  | 1443.6  |         |      |     |       |     |     |      |    |
| OBS         | 00150 | - 1.28 | 33.465 | 26.94 |         | 1443.7  |         |      |     |       |     |     |      |    |
| OBS         | 00175 | - 0.53 | 33.600 | 27.02 |         | 1447.8  |         |      |     |       |     |     |      |    |
| OBS         | 00192 | - 0.18 | 33.800 | 27.17 |         | 1450.0  |         |      |     |       |     |     |      |    |
| OBS         | 00196 | 00.38  | 33.855 | 27.18 |         | 1452.7  |         |      |     |       |     |     |      |    |
| STD         | 00200 | 01.22  | 33.93  | 27.19 | 00.265  | 1456.6  |         |      |     |       |     |     |      |    |
| OBS         | 00201 | 01.56  | 33.960 | 27.19 |         | 1458.2  |         |      |     |       |     |     |      |    |
| OBS         | 00211 | 02.92  | 34.105 | 27.20 |         | 1464.5  |         |      |     |       |     |     |      |    |
| OBS         | 00228 | 02.36  | 34.150 | 27.28 |         | 1462.4  |         |      |     |       |     |     |      |    |
| STD         | 00250 | 01.89  | 34.16  | 27.33 | 00.306  | 1460.8  |         |      |     |       |     |     |      |    |
| OBS         | 00253 | 01.86  | 34.160 | 27.33 |         | 1460.7  |         |      |     |       |     |     |      |    |
| OBS         | 00274 | 01.86  | 34.160 | 27.33 |         | 1461.0  |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTOP 00252 | AIR TEMP 07.3    | DIA HGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1304 |      |     |       |     |     |      |    |
| CONSEC 0014    | MONTH 06  | SHIP EV     | WET BULB 06.8    | 19 2 2      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 41.0N   | DAY 13    | DATA USE 1  | BAROMETER 1029.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |      |     |       |     |     |      |    |
| LONG 048 36.3W | HOOR 12.5 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X2  | CRIG 011 615      | 1 SQUARE 48 |      |     |       |     |     |      |    |
| CASUM/TIME     | LVLTP     | DEPTH       | TEMP             | SAL         | SIGMA-T     | DYNDPTH           | SND VEL     | ORVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 12.5           | STD       | 00000       | 02.85            | 32.88       | 26.23       | 00.000            | 1459.1      |      |     |       |     |     |      |    |
|                | OBS       | 00001       | 02.85            | 32.875      | 26.23       |                   | 1459.1      |      |     |       |     |     |      |    |
|                | OBS       | 00009       | 02.83            | 32.876      | 26.22       |                   | 1459.1      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 02.78            | 32.87       | 26.23       | 00.018            | 1458.9      |      |     |       |     |     |      |    |
|                | OBS       | 00017       | 02.34            | 32.865      | 26.26       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 02.33            | 32.87       | 26.26       | 00.036            | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 02.33            | 32.870      | 26.26       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00026       | 02.02            | 32.876      | 26.29       |                   | 1455.5      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 00.45            | 32.81       | 26.34       | 00.053            | 1448.8      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | - 0.25           | 32.776      | 26.34       |                   | 1445.6      |      |     |       |     |     |      |    |
|                | OBS       | 00036       | - 0.66           | 33.020      | 26.56       |                   | 1444.1      |      |     |       |     |     |      |    |
|                | OBS       | 00038       | - 1.06           | 33.003      | 26.56       |                   | 1442.2      |      |     |       |     |     |      |    |
|                | OBS       | 00040       | - 1.31           | 33.076      | 26.62       |                   | 1441.2      |      |     |       |     |     |      |    |
|                | STD       | 00050       | - 1.59           | 33.11       | 26.66       | 00.084            | 1440.1      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | - 1.62           | 33.120      | 26.67       |                   | 1440.0      |      |     |       |     |     |      |    |
|                | STD       | 00075       | - 1.70           | 33.23       | 26.76       | 00.117            | 1440.2      |      |     |       |     |     |      |    |
|                | OBS       | 00076       | - 1.70           | 33.235      | 26.76       |                   | 1440.2      |      |     |       |     |     |      |    |
|                | OBS       | 00083       | - 1.72           | 33.250      | 26.78       |                   | 1440.2      |      |     |       |     |     |      |    |
|                | STD       | 00100       | - 1.69           | 33.26       | 26.79       | 00.149            | 1440.6      |      |     |       |     |     |      |    |
|                | OBS       | 00100       | - 1.69           | 33.265      | 26.79       |                   | 1440.7      |      |     |       |     |     |      |    |
|                | STD       | 00125       | - 1.44           | 33.37       | 26.87       | 00.180            | 1442.4      |      |     |       |     |     |      |    |
|                | OBS       | 00127       | - 1.42           | 33.380      | 26.87       |                   | 1442.5      |      |     |       |     |     |      |    |
|                | OBS       | 00139       | - 1.35           | 33.400      | 26.89       |                   | 1443.1      |      |     |       |     |     |      |    |
|                | OBS       | 00146       | - 1.20           | 33.460      | 26.93       |                   | 1444.0      |      |     |       |     |     |      |    |
|                | STD       | 00150       | - 1.13           | 33.46       | 26.93       | 00.209            | 1444.4      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | - 1.09           | 33.460      | 26.93       |                   | 1444.6      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | - 0.92           | 33.565      | 27.01       |                   | 1445.5      |      |     |       |     |     |      |    |
|                | STD       | 00200       | - 0.61           | 33.59       | 27.02       | 00.263            | 1447.8      |      |     |       |     |     |      |    |
|                | OBS       | 00201       | - 0.59           | 33.600      | 27.02       |                   | 1448.0      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | - 0.26           | 33.735      | 27.12       |                   | 1450.1      |      |     |       |     |     |      |    |
|                | OBS       | 00245       | 00.57            | 33.960      | 27.26       |                   | 1454.5      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 00.59            | 33.96       | 27.25       | 00.309            | 1454.6      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 00.59            | 33.950      | 27.25       |                   | 1454.7      |      |     |       |     |     |      |    |

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TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 02169 | AIK TEMP 07.2   | DIR MGT PER | WIND-DIR 14 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0015    | MONTH 06  | SHIP EV     | WET BULB 06.7   | 15 3 2      | WIND-SPD 16 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 44 40.5N   | DAY 13    | DATA USE 1  | BAROMETR 1025.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 48.0W | MOUR 13.7 | AREA 05     | CLWD T/A        | CL/TR       | WEATHER X2  | ORIG 011 616      | 1 SQUARE 48 |

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 13.7          | STD   | 00000 | 03.29  | 32.78  | 26.11   |         |         |      |     |       |     |     |      |    |
|               | OBS   | 00000 | 03.29  | 32.78u | 26.11   | 00.000  | 1460.8  |      |     |       |     |     |      |    |
|               | OBS   | 00007 | 03.24  | 32.770 | 26.11   |         | 1460.8  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 02.84  | 32.72  | 26.11   | 00.019  | 1459.0  |      |     |       |     |     |      |    |
|               | OBS   | 00011 | 02.67  | 32.71u | 26.11   |         | 1458.3  |      |     |       |     |     |      |    |
|               | OBS   | 00017 | 02.49  | 32.780 | 26.18   |         | 1457.7  |      |     |       |     |     |      |    |
|               | OBS   | 00019 | 02.24  | 32.77u | 26.19   |         | 1456.6  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 01.89  | 32.74  | 26.20   | 00.038  | 1455.0  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 01.59  | 32.73u | 26.21   |         | 1453.7  |      |     |       |     |     |      |    |
|               | OBS   | 00026 | - 0.11 | 32.91u | 26.45   |         | 1446.3  |      |     |       |     |     |      |    |
|               | OBS   | 00028 | - 0.29 | 33.02u | 26.54   |         | 1445.7  |      |     |       |     |     |      |    |
|               | STD   | 00030 | - 0.40 | 33.01  | 26.54   | 00.055  | 1445.2  |      |     |       |     |     |      |    |
|               | OBS   | 00032 | - 0.84 | 32.987 | 26.54   |         | 1443.1  |      |     |       |     |     |      |    |
|               | OBS   | 00034 | - 1.40 | 33.05u | 26.61   |         | 1440.6  |      |     |       |     |     |      |    |
|               | OBS   | 00038 | - 1.67 | 33.13u | 26.68   |         | 1439.5  |      |     |       |     |     |      |    |
|               | OBS   | 00040 | - 1.63 | 33.13u | 26.68   |         | 1439.8  |      |     |       |     |     |      |    |
|               | OBS   | 00049 | - 1.71 | 33.25u | 26.78   |         | 1439.7  |      |     |       |     |     |      |    |
|               | STD   | 00050 | - 1.70 | 33.25  | 26.78   | 00.082  | 1439.7  |      |     |       |     |     |      |    |
|               | OBS   | 00051 | - 1.49 | 33.25u | 26.78   |         | 1439.8  |      |     |       |     |     |      |    |
|               | STD   | 00075 | - 1.66 | 33.33  | 26.84   | 00.113  | 1440.5  |      |     |       |     |     |      |    |
|               | OBS   | 00079 | - 1.65 | 33.35u | 26.86   |         | 1440.6  |      |     |       |     |     |      |    |
|               | STD   | 00100 | - 1.17 | 33.45  | 26.92   | 00.143  | 1443.4  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | - 1.15 | 33.45u | 26.93   |         | 1443.5  |      |     |       |     |     |      |    |
|               | STD   | 00125 | - 0.87 | 33.55  | 27.03   | 00.170  | 1445.4  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | - 0.86 | 33.59u | 27.03   |         | 1445.4  |      |     |       |     |     |      |    |
|               | STD   | 00150 | - 0.66 | 33.60  | 27.02   | 00.196  | 1446.8  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | - 0.66 | 33.597 | 27.03   |         | 1446.8  |      |     |       |     |     |      |    |
|               | OBS   | 00175 | - 0.52 | 33.62u | 27.04   |         | 1447.9  |      |     |       |     |     |      |    |
|               | STD   | 00200 | - 0.35 | 33.72  | 27.11   | 00.246  | 1449.2  |      |     |       |     |     |      |    |
|               | OBS   | 00201 | - 0.32 | 33.73u | 27.12   |         | 1449.4  |      |     |       |     |     |      |    |
|               | OBS   | 00226 | 00.30  | 33.93u | 27.25   |         | 1452.9  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 00.63  | 34.05  | 27.33   | 00.288  | 1455.0  |      |     |       |     |     |      |    |
|               | OBS   | 00251 | 00.71  | 34.06u | 27.33   |         | 1455.4  |      |     |       |     |     |      |    |
|               | OBS   | 00257 | 01.16  | 34.09u | 27.33   |         | 1457.5  |      |     |       |     |     |      |    |
|               | OBS   | 00260 | 01.12  | 34.11u | 27.34   |         | 1457.4  |      |     |       |     |     |      |    |
|               | OBS   | 00264 | 01.33  | 34.14u | 27.36   |         | 1458.5  |      |     |       |     |     |      |    |
|               | OBS   | 00270 | 01.25  | 34.15u | 27.37   |         | 1458.2  |      |     |       |     |     |      |    |
|               | OBS   | 00279 | 02.36  | 34.28u | 27.39   |         | 1463.5  |      |     |       |     |     |      |    |
|               | OBS   | 00283 | 02.46  | 34.28u | 27.38   |         | 1464.0  |      |     |       |     |     |      |    |
|               | OBS   | 00289 | 01.86  | 34.26u | 27.41   |         | 1461.4  |      |     |       |     |     |      |    |
|               | OBS   | 00297 | 01.48  | 34.24u | 27.42   |         | 1459.8  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 01.44  | 34.26  | 27.45   | 00.324  | 1459.7  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 01.43  | 34.27u | 27.45   |         | 1459.7  |      |     |       |     |     |      |    |
|               | OBS   | 00321 | 01.48  | 34.30u | 27.47   |         | 1460.3  |      |     |       |     |     |      |    |
|               | OBS   | 00350 | 01.91  | 34.43u | 27.54   |         | 1462.9  |      |     |       |     |     |      |    |
|               | OBS   | 00373 | 02.36  | 34.49u | 27.56   |         | 1465.3  |      |     |       |     |     |      |    |
|               | OBS   | 00386 | 03.63  | 34.63u | 27.55   |         | 1471.2  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 03.67  | 34.62  | 27.54   | 00.386  | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00401 | 03.68  | 34.62u | 27.54   |         | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00403 | 03.67  | 34.62u | 27.54   |         | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00413 | 03.85  | 34.72u | 27.60   |         | 1472.7  |      |     |       |     |     |      |    |
|               | OBS   | 00426 | 04.33  | 34.78u | 27.60   |         | 1475.0  |      |     |       |     |     |      |    |
|               | OBS   | 00451 | 03.90  | 34.77u | 27.64   |         | 1473.6  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 03.73  | 34.77  | 27.66   | 00.440  | 1473.7  |      |     |       |     |     |      |    |
|               | OBS   | 00502 | 03.72  | 34.77u | 27.66   |         | 1473.7  |      |     |       |     |     |      |    |
|               | OBS   | 00550 | 03.90  | 34.83u | 27.68   |         | 1475.3  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 03.97  | 34.85  | 27.65   | 00.488  | 1476.4  |      |     |       |     |     |      |    |
|               | OBS   | 00603 | 03.97  | 34.85u | 27.69   |         | 1476.5  |      |     |       |     |     |      |    |
|               | OBS   | 00651 | 03.90  | 34.83u | 27.68   |         | 1477.0  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 03.96  | 34.85  | 27.69   | 00.535  | 1478.0  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 03.96  | 34.85u | 27.69   |         | 1478.1  |      |     |       |     |     |      |    |
|               | OBS   | 00750 | 03.96  | 34.84u | 27.69   |         | 1478.9  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 03.92  | 34.86  | 27.70   | 00.583  | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00803 | 03.92  | 34.86u | 27.70   |         | 1479.6  |      |     |       |     |     |      |    |
|               | OBS   | 00854 | 03.85  | 34.86u | 27.71   |         | 1480.2  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 03.79  | 34.86  | 27.72   | 00.630  | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 03.79  | 34.86u | 27.72   |         | 1480.7  |      |     |       |     |     |      |    |
|               | OBS   | 00951 | 03.74  | 34.85u | 27.72   |         | 1481.3  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 03.72  | 34.85  | 27.72   | 00.677  | 1482.0  |      |     |       |     |     |      |    |
|               | OBS   | 01001 | 03.72  | 34.85u | 27.72   |         | 1482.1  |      |     |       |     |     |      |    |
|               | OBS   | 01026 | 03.71  | 34.85u | 27.72   |         | 1482.4  |      |     |       |     |     |      |    |

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TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 03065 | ALA TEMP 08.1   | DIR HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0016    | MONTH 06  | SHIP EV     | WET BULB 06.5   | 29 1 2      | WIND-SPD 14 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 32.0N   | DAY 13    | DATA USE 1  | BAROMETR 1024.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 18.0W | HOOR 16.4 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 617      | 1 SQUARE 48 |

| CASINUM/TIME | LVLTY | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPH | SNC VEL | OXYG | PQ4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 16.4         | STD   | 00000 | 03.16 | 32.91  | 26.23   | 00.000 | 1460.5  |      |     |       |     |     |      |    |
|              | OBS   | 00001 | 03.16 | 32.907 | 26.23   |        | 1460.5  |      |     |       |     |     |      |    |
|              | STD   | 00010 | 02.77 | 32.90  | 26.25   | 00.018 | 1458.5  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | 02.72 | 32.900 | 26.26   |        | 1458.7  |      |     |       |     |     |      |    |
|              | STD   | 00020 | 02.54 | 32.91  | 26.28   | 00.036 | 1456.1  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | 02.51 | 32.910 | 26.28   |        | 1458.0  |      |     |       |     |     |      |    |
|              | OBS   | 00022 | 02.43 | 32.905 | 26.28   |        | 1457.7  |      |     |       |     |     |      |    |
|              | OBS   | 00024 | 01.70 | 32.900 | 26.34   |        | 1454.5  |      |     |       |     |     |      |    |
|              | STD   | 00030 | -0.21 | 33.07  | 26.56   | 00.052 | 1446.1  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | -0.37 | 33.070 | 26.55   |        | 1445.4  |      |     |       |     |     |      |    |
|              | OBS   | 00032 | -0.95 | 33.060 | 26.60   |        | 1442.7  |      |     |       |     |     |      |    |
|              | OBS   | 00034 | -1.34 | 33.120 | 26.66   |        | 1441.0  |      |     |       |     |     |      |    |
|              | OBS   | 00045 | -1.65 | 33.250 | 26.78   |        | 1440.0  |      |     |       |     |     |      |    |
|              | STD   | 00050 | -1.57 | 33.31  | 26.82   | 00.079 | 1440.5  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | -1.55 | 33.327 | 26.84   |        | 1440.6  |      |     |       |     |     |      |    |
|              | STD   | 00075 | -1.49 | 33.37  | 26.87   | 00.109 | 1441.3  |      |     |       |     |     |      |    |
|              | OBS   | 00078 | -1.42 | 33.400 | 26.85   |        | 1441.8  |      |     |       |     |     |      |    |
|              | OBS   | 00081 | -1.31 | 33.450 | 26.93   |        | 1442.4  |      |     |       |     |     |      |    |
|              | OBS   | 00085 | -0.77 | 33.480 | 26.93   |        | 1445.0  |      |     |       |     |     |      |    |
|              | OBS   | 00093 | -0.93 | 33.480 | 26.94   |        | 1444.4  |      |     |       |     |     |      |    |
|              | OBS   | 00097 | -0.77 | 33.610 | 27.04   |        | 1445.4  |      |     |       |     |     |      |    |
|              | STD   | 00100 | -0.60 | 33.68  | 27.05   | 00.136 | 1446.4  |      |     |       |     |     |      |    |
|              | OBS   | 00102 | -0.47 | 33.720 | 27.12   |        | 1447.0  |      |     |       |     |     |      |    |
|              | OBS   | 00106 | -0.36 | 33.740 | 27.13   |        | 1447.6  |      |     |       |     |     |      |    |
|              | OBS   | 00114 | -0.07 | 33.800 | 27.16   |        | 1449.2  |      |     |       |     |     |      |    |
|              | STD   | 00125 | 00.23 | 33.89  | 27.22   | 00.159 | 1450.9  |      |     |       |     |     |      |    |
|              | OBS   | 00125 | 00.25 | 33.900 | 27.23   |        | 1451.0  |      |     |       |     |     |      |    |
|              | STD   | 00150 | 01.00 | 34.06  | 27.33   | 00.179 | 1455.0  |      |     |       |     |     |      |    |
|              | OBS   | 00150 | 01.01 | 34.080 | 27.33   |        | 1455.1  |      |     |       |     |     |      |    |
|              | OBS   | 00177 | 01.16 | 34.160 | 27.36   |        | 1456.3  |      |     |       |     |     |      |    |
|              | STD   | 00200 | 01.52 | 34.26  | 27.44   | 00.214 | 1458.4  |      |     |       |     |     |      |    |
|              | OBS   | 00203 | 01.56 | 34.270 | 27.44   |        | 1458.7  |      |     |       |     |     |      |    |
|              | OBS   | 00220 | 01.75 | 34.300 | 27.45   |        | 1459.5  |      |     |       |     |     |      |    |
|              | STD   | 00250 | 02.03 | 34.44  | 27.54   | 00.245 | 1461.7  |      |     |       |     |     |      |    |
|              | OBS   | 00251 | 02.04 | 34.440 | 27.54   |        | 1461.8  |      |     |       |     |     |      |    |
|              | OBS   | 00276 | 02.18 | 34.480 | 27.56   |        | 1462.9  |      |     |       |     |     |      |    |
|              | STD   | 00300 | 02.39 | 34.50  | 27.56   | 00.273 | 1464.2  |      |     |       |     |     |      |    |
|              | OBS   | 00300 | 02.40 | 34.500 | 27.56   |        | 1464.3  |      |     |       |     |     |      |    |
|              | OBS   | 00330 | 02.59 | 34.510 | 27.55   |        | 1465.7  |      |     |       |     |     |      |    |
|              | OBS   | 00361 | 04.71 | 34.830 | 27.60   |        | 1475.5  |      |     |       |     |     |      |    |
|              | STD   | 00400 | 04.74 | 34.85  | 27.61   | 00.327 | 1476.3  |      |     |       |     |     |      |    |
|              | OBS   | 00401 | 04.74 | 34.850 | 27.61   |        | 1476.4  |      |     |       |     |     |      |    |
|              | OBS   | 00451 | 04.69 | 34.850 | 27.61   |        | 1477.0  |      |     |       |     |     |      |    |
|              | STD   | 00500 | 04.62 | 34.80  | 27.63   | 00.381 | 1477.5  |      |     |       |     |     |      |    |
|              | OBS   | 00500 | 04.64 | 34.800 | 27.63   |        | 1477.5  |      |     |       |     |     |      |    |
|              | OBS   | 00519 | 04.55 | 34.800 | 27.64   |        | 1477.5  |      |     |       |     |     |      |    |
|              | STD   | 00600 | 04.41 | 34.85  | 27.65   | 00.433 | 1478.3  |      |     |       |     |     |      |    |
|              | OBS   | 00608 | 04.35 | 34.850 | 27.66   |        | 1478.8  |      |     |       |     |     |      |    |
|              | OBS   | 00662 | 04.26 | 34.850 | 27.66   |        | 1478.7  |      |     |       |     |     |      |    |
|              | STD   | 00700 | 04.15 | 34.80  | 27.66   | 00.484 | 1478.6  |      |     |       |     |     |      |    |
|              | OBS   | 00713 | 04.11 | 34.850 | 27.66   |        | 1478.9  |      |     |       |     |     |      |    |
|              | OBS   | 00750 | 04.02 | 34.840 | 27.68   |        | 1479.1  |      |     |       |     |     |      |    |
|              | STD   | 00800 | 04.01 | 34.84  | 27.68   | 00.535 | 1479.9  |      |     |       |     |     |      |    |
|              | OBS   | 00801 | 04.01 | 34.840 | 27.68   |        | 1479.9  |      |     |       |     |     |      |    |
|              | OBS   | 00850 | 03.99 | 34.840 | 27.68   |        | 1480.7  |      |     |       |     |     |      |    |
|              | STD   | 00900 | 03.57 | 34.83  | 27.68   | 00.586 | 1481.4  |      |     |       |     |     |      |    |
|              | OBS   | 00900 | 03.57 | 34.830 | 27.68   |        | 1481.4  |      |     |       |     |     |      |    |
|              | OBS   | 00951 | 03.52 | 34.840 | 27.69   |        | 1482.1  |      |     |       |     |     |      |    |
|              | STD   | 01000 | 03.81 | 34.83  | 27.69   | 00.636 | 1482.4  |      |     |       |     |     |      |    |
|              | OBS   | 01001 | 03.81 | 34.830 | 27.69   |        | 1482.4  |      |     |       |     |     |      |    |
|              | OBS   | 01020 | 03.79 | 34.830 | 27.69   |        | 1482.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTOP 02658 | AIA TEMP 07.4    | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
| CONSEC 0017    | MONTH 06  | SHIP EV     | WET BULB 06.7    | 23 1 2      | WIND-SPD 03 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 27.0N   | DAY 13    | DATA USE 1  | BAROMETER 1027.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |      |     |       |     |     |      |    |
| LONG 047 46.8W | HOUR 19.8 | AREA 05     | CLOUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 618      | 1 SQUARE 47 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVL TYP   | DEPTH       | TEMP             | SAL         | SIGMA-T     | DYNDPHT           | SND VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 19.8           | STD       | 00000       | 10.25            | 34.27       | 26.36       | 00.000            | 1490.4      |      |     |       |     |     |      |    |
|                | OBS       | 00003       | 10.25            | 34.270      | 26.36       |                   | 1490.4      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 10.27            | 34.29       | 26.38       | 00.017            | 1490.6      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 10.27            | 34.300      | 26.38       |                   | 1490.7      |      |     |       |     |     |      |    |
|                | OBS       | 00013       | 10.22            | 34.287      | 26.38       |                   | 1490.5      |      |     |       |     |     |      |    |
|                | OBS       | 00015       | 09.87            | 34.270      | 26.42       |                   | 1489.2      |      |     |       |     |     |      |    |
|                | OBS       | 00019       | 09.65            | 34.247      | 26.44       |                   | 1488.5      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 09.65            | 34.26       | 26.45       | 00.033            | 1488.5      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 09.65            | 34.270      | 26.46       |                   | 1488.5      |      |     |       |     |     |      |    |
|                | OBS       | 00026       | 09.75            | 34.290      | 26.46       |                   | 1489.0      |      |     |       |     |     |      |    |
|                | OBS       | 00028       | 10.13            | 34.572      | 26.62       |                   | 1490.8      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 10.44            | 34.69       | 26.62       | 00.048            | 1492.8      |      |     |       |     |     |      |    |
|                | OBS       | 00030       | 10.78            | 34.730      | 26.62       |                   | 1493.4      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | 11.16            | 34.830      | 26.63       |                   | 1494.9      |      |     |       |     |     |      |    |
|                | OBS       | 00036       | 12.30            | 35.180      | 26.69       |                   | 1499.3      |      |     |       |     |     |      |    |
|                | OBS       | 00045       | 13.22            | 35.465      | 26.73       |                   | 1502.9      |      |     |       |     |     |      |    |
|                | STD       | 00050       | 13.28            | 35.46       | 26.71       | 00.076            | 1503.2      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | 13.29            | 35.465      | 26.71       |                   | 1503.3      |      |     |       |     |     |      |    |
|                | STD       | 00075       | 13.15            | 35.46       | 26.74       | 00.110            | 1503.2      |      |     |       |     |     |      |    |
|                | OBS       | 00076       | 13.14            | 35.466      | 26.74       |                   | 1503.2      |      |     |       |     |     |      |    |
|                | OBS       | 00081       | 13.06            | 35.465      | 26.76       |                   | 1503.0      |      |     |       |     |     |      |    |
|                | OBS       | 00085       | 12.62            | 35.397      | 26.79       |                   | 1501.5      |      |     |       |     |     |      |    |
|                | OBS       | 00091       | 12.78            | 35.514      | 26.85       |                   | 1502.3      |      |     |       |     |     |      |    |
|                | OBS       | 00095       | 12.39            | 35.420      | 26.86       |                   | 1500.9      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 10.75            | 35.00       | 26.84       | 00.142            | 1494.7      |      |     |       |     |     |      |    |
|                | OBS       | 00102       | 09.96            | 34.840      | 26.85       |                   | 1491.7      |      |     |       |     |     |      |    |
|                | OBS       | 00104       | 09.49            | 34.763      | 26.87       |                   | 1489.9      |      |     |       |     |     |      |    |
|                | OBS       | 00114       | 08.74            | 34.757      | 26.99       |                   | 1487.3      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 08.61            | 34.77       | 27.02       | 00.171            | 1487.0      |      |     |       |     |     |      |    |
|                | OBS       | 00125       | 08.60            | 34.775      | 27.02       |                   | 1487.0      |      |     |       |     |     |      |    |
|                | OBS       | 00139       | 08.37            | 34.780      | 27.07       |                   | 1486.3      |      |     |       |     |     |      |    |
|                | OBS       | 00146       | 08.55            | 34.837      | 27.08       |                   | 1487.2      |      |     |       |     |     |      |    |
|                | OBS       | 00148       | 08.58            | 34.855      | 27.09       |                   | 1487.4      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 08.65            | 34.87       | 27.09       | 00.197            | 1487.7      |      |     |       |     |     |      |    |
|                | OBS       | 00154       | 08.77            | 34.910      | 27.10       |                   | 1488.3      |      |     |       |     |     |      |    |
|                | OBS       | 00161       | 08.63            | 34.930      | 27.14       |                   | 1487.9      |      |     |       |     |     |      |    |
|                | OBS       | 00173       | 08.73            | 34.967      | 27.16       |                   | 1488.5      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | 08.58            | 34.940      | 27.16       |                   | 1487.9      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 08.23            | 34.94       | 27.21       | 00.244            | 1487.0      |      |     |       |     |     |      |    |
|                | OBS       | 00205       | 08.15            | 34.946      | 27.22       |                   | 1486.8      |      |     |       |     |     |      |    |
|                | OBS       | 00207       | 08.18            | 34.960      | 27.24       |                   | 1487.0      |      |     |       |     |     |      |    |
|                | OBS       | 00211       | 08.45            | 34.990      | 27.22       |                   | 1488.1      |      |     |       |     |     |      |    |
|                | OBS       | 00217       | 08.19            | 34.960      | 27.23       |                   | 1487.2      |      |     |       |     |     |      |    |
|                | OBS       | 00222       | 07.48            | 34.850      | 27.25       |                   | 1484.4      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 07.41            | 34.830      | 27.25       |                   | 1484.1      |      |     |       |     |     |      |    |
|                | OBS       | 00230       | 07.43            | 34.930      | 27.32       |                   | 1484.4      |      |     |       |     |     |      |    |
|                | OBS       | 00241       | 07.81            | 34.990      | 27.31       |                   | 1486.2      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 07.56            | 34.98       | 27.34       | 00.287            | 1485.3      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 07.54            | 34.980      | 27.35       |                   | 1485.3      |      |     |       |     |     |      |    |
|                | OBS       | 00262       | 07.54            | 34.970      | 27.34       |                   | 1485.4      |      |     |       |     |     |      |    |
|                | OBS       | 00272       | 06.66            | 34.813      | 27.34       |                   | 1481.9      |      |     |       |     |     |      |    |
|                | OBS       | 00276       | 06.55            | 34.850      | 27.38       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | OBS       | 00297       | 06.45            | 34.850      | 27.40       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | OBS       | 00298       | 05.80            | 34.770      | 27.42       |                   | 1478.9      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 05.75            | 34.76       | 27.42       | 00.324            | 1478.7      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 05.71            | 34.760      | 27.42       |                   | 1478.5      |      |     |       |     |     |      |    |
|                | OBS       | 00304       | 05.46            | 34.750      | 27.44       |                   | 1477.6      |      |     |       |     |     |      |    |
|                | OBS       | 00314       | 04.94            | 34.730      | 27.49       |                   | 1475.6      |      |     |       |     |     |      |    |
|                | OBS       | 00317       | 05.03            | 34.740      | 27.49       |                   | 1476.0      |      |     |       |     |     |      |    |
|                | OBS       | 00319       | 05.26            | 34.780      | 27.49       |                   | 1477.0      |      |     |       |     |     |      |    |
|                | OBS       | 00325       | 05.55            | 34.860      | 27.52       |                   | 1478.4      |      |     |       |     |     |      |    |
|                | OBS       | 00340       | 05.30            | 34.830      | 27.53       |                   | 1477.6      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 05.19            | 34.840      | 27.55       |                   | 1477.3      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 05.05            | 34.83       | 27.56       | 00.389            | 1477.6      |      |     |       |     |     |      |    |
|                | OBS       | 00403       | 05.03            | 34.830      | 27.56       |                   | 1477.6      |      |     |       |     |     |      |    |
|                | OBS       | 00426       | 04.92            | 34.845      | 27.58       |                   | 1477.5      |      |     |       |     |     |      |    |
|                | OBS       | 00439       | 05.17            | 34.930      | 27.62       |                   | 1478.9      |      |     |       |     |     |      |    |
|                | OBS       | 00454       | 05.10            | 34.960      | 27.65       |                   | 1478.9      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 04.85            | 34.95       | 27.67       | 00.443            | 1478.6      |      |     |       |     |     |      |    |
|                | OBS       | 00500       | 04.85            | 34.950      | 27.67       |                   | 1478.6      |      |     |       |     |     |      |    |
|                | OBS       | 00550       | 04.65            | 34.940      | 27.69       |                   | 1478.6      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.65            | 34.96       | 27.70       | 00.490            | 1479.4      |      |     |       |     |     |      |    |
|                | OBS       | 00601       | 04.64            | 34.960      | 27.71       |                   | 1479.4      |      |     |       |     |     |      |    |
|                | OBS       | 00614       | 04.56            | 34.930      | 27.69       |                   | 1479.2      |      |     |       |     |     |      |    |
|                | OBS       | 00666       | 04.17            | 34.900      | 27.71       |                   | 1478.4      |      |     |       |     |     |      |    |
|                | STD       | 00700       | 04.38            | 34.95       | 27.73       | 00.536            | 1479.9      |      |     |       |     |     |      |    |
|                | OBS       | 00700       | 04.38            | 34.950      | 27.73       |                   | 1479.9      |      |     |       |     |     |      |    |
|                | OBS       | 00750       | 04.30            | 34.945      | 27.73       |                   | 1480.4      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 04.17            | 34.94       | 27.74       | 00.581            | 1480.7      |      |     |       |     |     |      |    |
|                | OBS       | 00801       | 04.17            | 34.940      | 27.74       |                   | 1480.7      |      |     |       |     |     |      |    |
|                | OBS       | 00850       | 04.28            | 34.960      | 27.75       |                   | 1482.0      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 04.26            | 34.97       | 27.76       | 00.625            | 1482.8      |      |     |       |     |     |      |    |
|                | OBS       | 00900       | 04.26            | 34.970      | 27.76       |                   | 1482.8      |      |     |       |     |     |      |    |
|                | OBS       | 00951       | 04.11            | 34.950      | 27.76       |                   | 1483.0      |      |     |       |     |     |      |    |
|                | OBS       | 00999       | 03.88            | 34.930      | 27.76       |                   | 1482.8      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 03.89            | 34.93       | 27.76       | 00.669            | 1482.8      |      |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.90            | 34.930      | 27.76       |                   | 1482.9      |      |     |       |     |     |      |    |
|                | OBS       | 01022       | 03.94            | 34.940      | 27.77       |                   | 1483.4      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID .31 8371 | YEAR 1974 | BOTDP 03831 | AIR TEMP 13.8   | DIA HGT PER | WIND-DIR 24 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0018    | MONTH 06  | SHIP EV     | WET BULB 13.2   | 30 0 2      | WIND-SPD 05 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 44 22.0N   | DAY 13    | DATA USE 1  | BAROMETR 1029.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 047 14.9W | HOUR 23.1 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 619      | 1 SQUARE 47 |

|             |       |       |       |        |         |         |         |      |     |       |     |     |      |    |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTH | SND VEL | ORNG | PD4 | TOT P | NO2 | NO3 | S103 | PH |
| 23.1        | STD   | 00000 | 10.71 | 34.42  | 26.40   | 00.000  | 1452.2  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 10.71 | 34.42  | 26.40   |         | 1452.2  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 10.44 | 34.35  | 26.39   |         | 1451.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 10.24 | 34.36  | 26.43   | 00.016  | 1450.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 10.16 | 34.37  | 26.45   |         | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 10.31 | 34.39  | 26.44   | 00.032  | 1451.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 10.33 | 34.40  | 26.45   |         | 1451.2  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 10.18 | 34.417 | 26.49   |         | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 10.25 | 34.487 | 26.53   |         | 1451.0  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 10.78 | 34.73  | 26.62   |         | 1453.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 10.92 | 34.74  | 26.61   | 00.047  | 1453.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 10.96 | 34.75  | 26.61   |         | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 11.05 | 34.797 | 26.63   |         | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 11.55 | 35.047 | 26.65   |         | 1458.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 11.57 | 35.07  | 26.67   | 00.076  | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 11.99 | 35.085 | 26.68   |         | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 12.64 | 35.350 | 26.75   |         | 1501.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 12.48 | 35.32  | 26.76   | 00.110  | 1500.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 12.46 | 35.320 | 26.77   |         | 1500.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 11.92 | 35.32  | 26.87   | 00.141  | 1459.2  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 11.91 | 35.317 | 26.87   |         | 1459.2  |      |     |       |     |     |      |    |
|             | OBS   | 00116 | 11.85 | 35.377 | 26.93   |         | 1455.3  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 11.62 | 35.32  | 26.93   | 00.171  | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 11.60 | 35.320 | 26.93   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | 11.24 | 35.290 | 26.98   |         | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 10.75 | 35.184 | 26.99   |         | 1455.6  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | 10.49 | 35.180 | 27.03   |         | 1454.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 10.39 | 35.15  | 27.02   | 00.199  | 1454.4  |      |     |       |     |     |      |    |
|             | OBS   | 00154 | 09.57 | 35.046 | 27.01   |         | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 09.12 | 34.880 | 27.02   |         | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 07.82 | 34.760 | 27.13   |         | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00196 | 07.63 | 34.780 | 27.18   |         | 1454.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 07.89 | 34.84  | 27.18   | 00.249  | 1455.6  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 07.99 | 34.860 | 27.19   |         | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00218 | 08.07 | 34.885 | 27.19   |         | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 07.79 | 34.835 | 27.20   |         | 1455.6  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 07.18 | 34.745 | 27.21   |         | 1453.2  |      |     |       |     |     |      |    |
|             | OBS   | 00234 | 07.04 | 34.780 | 27.26   |         | 1452.8  |      |     |       |     |     |      |    |
|             | OBS   | 00243 | 07.82 | 34.950 | 27.28   |         | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00247 | 07.57 | 34.990 | 27.29   |         | 1456.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 08.22 | 35.05  | 27.30   | 00.293  | 1457.9  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 08.29 | 35.070 | 27.30   |         | 1458.2  |      |     |       |     |     |      |    |
|             | OBS   | 00260 | 07.68 | 34.950 | 27.30   |         | 1455.9  |      |     |       |     |     |      |    |
|             | OBS   | 00266 | 07.54 | 34.940 | 27.32   |         | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 07.93 | 34.990 | 27.30   |         | 1457.2  |      |     |       |     |     |      |    |
|             | OBS   | 00295 | 07.25 | 34.930 | 27.35   |         | 1454.8  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 06.14 | 34.73  | 27.35   | 00.334  | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 06.07 | 34.730 | 27.35   |         | 1450.9  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 06.02 | 34.750 | 27.37   |         | 1450.8  |      |     |       |     |     |      |    |
|             | OBS   | 00308 | 05.33 | 34.630 | 27.36   |         | 1456.9  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 05.07 | 34.770 | 27.51   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00354 | 05.02 | 34.770 | 27.51   |         | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00361 | 04.39 | 34.680 | 27.52   |         | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00376 | 04.72 | 34.767 | 27.54   |         | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00388 | 04.99 | 34.810 | 27.55   |         | 1457.1  |      |     |       |     |     |      |    |
|             | OBS   | 00397 | 04.73 | 34.770 | 27.55   |         | 1456.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.73 | 34.78  | 27.55   | 00.402  | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 04.73 | 34.780 | 27.55   |         | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00420 | 04.37 | 34.770 | 27.59   |         | 1455.0  |      |     |       |     |     |      |    |
|             | OBS   | 00447 | 04.24 | 34.780 | 27.61   |         | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.17 | 34.770 | 27.61   |         | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00464 | 04.13 | 34.780 | 27.62   |         | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00474 | 03.83 | 34.740 | 27.62   |         | 1453.6  |      |     |       |     |     |      |    |
|             | OBS   | 00489 | 03.58 | 34.750 | 27.65   |         | 1452.8  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.68 | 34.76  | 27.65   | 00.457  | 1453.4  |      |     |       |     |     |      |    |
|             | OBS   | 00502 | 03.83 | 34.780 | 27.65   |         | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00508 | 04.35 | 34.850 | 27.65   |         | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.65 | 34.930 | 27.68   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00578 | 04.64 | 34.940 | 27.65   |         | 1459.0  |      |     |       |     |     |      |    |
|             | OBS   | 00595 | 04.97 | 34.973 | 27.68   |         | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.94 | 34.97  | 27.68   | 00.506  | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00605 | 04.90 | 34.970 | 27.68   |         | 1460.5  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.78 | 34.980 | 27.71   |         | 1460.8  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.65 | 34.97  | 27.71   | 00.554  | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.65 | 34.970 | 27.71   |         | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00753 | 04.70 | 34.960 | 27.70   |         | 1462.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.62 | 34.99  | 27.73   | 00.601  | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.62 | 34.990 | 27.73   |         | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.52 | 34.985 | 27.74   |         | 1463.1  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.42 | 34.98  | 27.75   | 00.647  | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.42 | 34.980 | 27.75   |         | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.34 | 34.970 | 27.75   |         | 1464.0  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.22 | 34.96  | 27.75   | 00.692  | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 01003 | 04.22 | 34.960 | 27.75   |         | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 04.22 | 34.971 | 27.76   |         | 1464.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTDP 03891 | ATM TEMP 09.7   | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1906 |      |     |       |     |     |      |    |
| CONSEC 0019    | MONTH 06  | SHIP EV     | WET BULB 09.0   | 00 0 X      | WIND-SPD 00 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 14.5N   | DAY 14    | DATA USE 1  | BAKOMETR 1029.4 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 46 |      |     |       |     |     |      |    |
| LONG 046 40.3W | HOUR 02.2 | AREA 05     | CLLUD T/A       | CL/TP       | WEATHER X0  | GRIG 011 620      | 1 SQUARE 46 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEMP            | SAL         | SIGMA-T     | DYNDPTH           | SND VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
| STD 00000      |           | 08.16       | 33.12           | 25.80       | 00.000      | 1481.1            |             |      |     |       |     |     |      |    |
| OBS 00003      |           | 08.16       | 33.120          | 25.80       |             | 1481.2            |             |      |     |       |     |     |      |    |
| STD 00010      |           | 08.13       | 33.12           | 25.80       | 00.022      | 1481.1            |             |      |     |       |     |     |      |    |
| OBS 00011      |           | 08.12       | 33.120          | 25.80       |             | 1481.1            |             |      |     |       |     |     |      |    |
| STD 00020      |           | 08.04       | 33.12           | 25.81       | 00.044      | 1481.0            |             |      |     |       |     |     |      |    |
| OBS 00020      |           | 07.97       | 33.120          | 25.82       |             | 1480.7            |             |      |     |       |     |     |      |    |
| OBS 00024      |           | 07.55       | 33.047          | 25.83       |             | 1479.0            |             |      |     |       |     |     |      |    |
| OBS 00028      |           | 06.30       | 33.186          | 26.10       |             | 1474.3            |             |      |     |       |     |     |      |    |
| STD 00030      |           | 06.17       | 33.20           | 26.13       | 00.065      | 1473.9            |             |      |     |       |     |     |      |    |
| OBS 00030      |           | 06.12       | 33.205          | 26.14       |             | 1473.7            |             |      |     |       |     |     |      |    |
| OBS 00032      |           | 05.90       | 33.455          | 26.37       |             | 1473.2            |             |      |     |       |     |     |      |    |
| OBS 00034      |           | 06.02       | 33.460          | 26.36       |             | 1473.7            |             |      |     |       |     |     |      |    |
| OBS 00036      |           | 06.05       | 33.476          | 26.36       |             | 1473.8            |             |      |     |       |     |     |      |    |
| OBS 00038      |           | 06.29       | 33.706          | 26.51       |             | 1475.1            |             |      |     |       |     |     |      |    |
| OBS 00041      |           | 06.38       | 33.715          | 26.51       |             | 1475.6            |             |      |     |       |     |     |      |    |
| OBS 00043      |           | 05.42       | 33.580          | 26.52       |             | 1471.6            |             |      |     |       |     |     |      |    |
| OBS 00047      |           | 04.09       | 33.415          | 26.54       |             | 1465.9            |             |      |     |       |     |     |      |    |
| OBS 00049      |           | 03.36       | 33.436          | 26.62       |             | 1462.8            |             |      |     |       |     |     |      |    |
| STD 00050      |           | 03.19       | 33.44           | 26.65       | 00.098      | 1462.1            |             |      |     |       |     |     |      |    |
| OBS 00051      |           | 03.08       | 33.486          | 26.69       |             | 1451.7            |             |      |     |       |     |     |      |    |
| OBS 00053      |           | 03.78       | 35.776          | 26.85       |             | 1465.1            |             |      |     |       |     |     |      |    |
| OBS 00057      |           | 03.98       | 33.863          | 26.91       |             | 1466.2            |             |      |     |       |     |     |      |    |
| OBS 00059      |           | 04.48       | 34.005          | 26.97       |             | 1468.5            |             |      |     |       |     |     |      |    |
| OBS 00070      |           | 03.29       | 33.985          | 27.07       |             | 1463.6            |             |      |     |       |     |     |      |    |
| OBS 00072      |           | 03.69       | 34.040          | 27.08       |             | 1465.4            |             |      |     |       |     |     |      |    |
| STD 00075      |           | 04.60       | 34.17           | 27.09       | 00.127      | 1469.5            |             |      |     |       |     |     |      |    |
| OBS 00078      |           | 05.11       | 34.260          | 27.10       |             | 1471.8            |             |      |     |       |     |     |      |    |
| OBS 00079      |           | 05.16       | 34.280          | 27.11       |             | 1472.0            |             |      |     |       |     |     |      |    |
| OBS 00081      |           | 05.64       | 34.350          | 27.11       |             | 1474.1            |             |      |     |       |     |     |      |    |
| STD 00100      |           | 05.90       | 34.42           | 27.13       | 00.152      | 1475.5            |             |      |     |       |     |     |      |    |
| OBS 00102      |           | 05.57       | 34.436          | 27.13       |             | 1475.9            |             |      |     |       |     |     |      |    |
| OBS 00119      |           | 06.60       | 34.546          | 27.13       |             | 1476.8            |             |      |     |       |     |     |      |    |
| OBS 00123      |           | 06.96       | 34.597          | 27.13       |             | 1480.4            |             |      |     |       |     |     |      |    |
| STD 00125      |           | 07.03       | 34.61           | 27.13       | 00.176      | 1480.7            |             |      |     |       |     |     |      |    |
| OBS 00127      |           | 07.13       | 34.626          | 27.12       |             | 1481.2            |             |      |     |       |     |     |      |    |
| OBS 00133      |           | 07.11       | 34.626          | 27.13       |             | 1481.2            |             |      |     |       |     |     |      |    |
| STD 00150      |           | 06.56       | 34.53           | 27.13       | 00.200      | 1479.2            |             |      |     |       |     |     |      |    |
| OBS 00150      |           | 06.56       | 34.536          | 27.13       |             | 1479.2            |             |      |     |       |     |     |      |    |
| OBS 00156      |           | 06.55       | 34.547          | 27.14       |             | 1479.2            |             |      |     |       |     |     |      |    |
| OBS 00159      |           | 06.91       | 34.625          | 27.16       |             | 1480.8            |             |      |     |       |     |     |      |    |
| OBS 00161      |           | 06.55       | 34.635          | 27.16       |             | 1481.0            |             |      |     |       |     |     |      |    |
| OBS 00167      |           | 04.76       | 34.277          | 27.15       |             | 1471.8            |             |      |     |       |     |     |      |    |
| OBS 00173      |           | 04.65       | 34.286          | 27.17       |             | 1471.5            |             |      |     |       |     |     |      |    |
| OBS 00175      |           | 03.69       | 34.250          | 27.24       |             | 1467.4            |             |      |     |       |     |     |      |    |
| STD 00200      |           | 03.67       | 34.28           | 27.27       | 00.245      | 1467.8            |             |      |     |       |     |     |      |    |
| OBS 00201      |           | 03.67       | 34.280          | 27.27       |             | 1467.8            |             |      |     |       |     |     |      |    |
| OBS 00203      |           | 03.67       | 34.270          | 27.26       |             | 1467.8            |             |      |     |       |     |     |      |    |
| OBS 00207      |           | 03.16       | 34.215          | 27.26       |             | 1465.6            |             |      |     |       |     |     |      |    |
| OBS 00211      |           | 03.24       | 34.240          | 27.28       |             | 1466.1            |             |      |     |       |     |     |      |    |
| OBS 00218      |           | 03.15       | 34.245          | 27.29       |             | 1465.8            |             |      |     |       |     |     |      |    |
| OBS 00226      |           | 03.82       | 34.355          | 27.31       |             | 1469.0            |             |      |     |       |     |     |      |    |
| OBS 00234      |           | 04.35       | 34.430          | 27.32       |             | 1471.4            |             |      |     |       |     |     |      |    |
| OBS 00243      |           | 04.55       | 34.510          | 27.36       |             | 1472.5            |             |      |     |       |     |     |      |    |
| STD 00250      |           | 04.70       | 34.51           | 27.34       | 00.285      | 1473.3            |             |      |     |       |     |     |      |    |
| OBS 00255      |           | 04.77       | 34.533          | 27.35       |             | 1473.6            |             |      |     |       |     |     |      |    |
| OBS 00260      |           | 04.78       | 34.580          | 27.39       |             | 1473.8            |             |      |     |       |     |     |      |    |
| OBS 00264      |           | 04.37       | 34.500          | 27.37       |             | 1472.1            |             |      |     |       |     |     |      |    |
| OBS 00276      |           | 04.17       | 34.507          | 27.40       |             | 1471.4            |             |      |     |       |     |     |      |    |
| OBS 00293      |           | 04.43       | 34.600          | 27.44       |             | 1472.9            |             |      |     |       |     |     |      |    |
| STD 00300      |           | 04.74       | 34.62           | 27.42       | 00.322      | 1474.4            |             |      |     |       |     |     |      |    |
| OBS 00314      |           | 04.99       | 34.667          | 27.43       |             | 1475.7            |             |      |     |       |     |     |      |    |
| OBS 00329      |           | 04.69       | 34.740          | 27.53       |             | 1474.8            |             |      |     |       |     |     |      |    |
| OBS 00333      |           | 05.38       | 34.837          | 27.52       |             | 1477.8            |             |      |     |       |     |     |      |    |
| OBS 00336      |           | 05.49       | 34.847          | 27.52       |             | 1478.4            |             |      |     |       |     |     |      |    |
| OBS 00365      |           | 05.71       | 34.860          | 27.50       |             | 1479.7            |             |      |     |       |     |     |      |    |
| STD 00400      |           | 05.68       | 34.85           | 27.50       | 00.389      | 1480.2            |             |      |     |       |     |     |      |    |
| OBS 00403      |           | 05.66       | 34.850          | 27.50       |             | 1480.1            |             |      |     |       |     |     |      |    |
| OBS 00451      |           | 04.94       | 34.840          | 27.58       |             | 1478.0            |             |      |     |       |     |     |      |    |
| OBS 00472      |           | 04.75       | 34.850          | 27.61       |             | 1477.6            |             |      |     |       |     |     |      |    |
| STD 00500      |           | 05.52       | 34.96           | 27.60       | 00.450      | 1481.3            |             |      |     |       |     |     |      |    |
| OBS 00519      |           | 05.64       | 34.990          | 27.61       |             | 1482.2            |             |      |     |       |     |     |      |    |
| OBS 00550      |           | 05.12       | 34.960          | 27.65       |             | 1480.5            |             |      |     |       |     |     |      |    |
| STD 00600      |           | 05.02       | 34.99           | 27.69       | 00.502      | 1481.0            |             |      |     |       |     |     |      |    |
| OBS 00601      |           | 05.01       | 34.990          | 27.69       |             | 1481.0            |             |      |     |       |     |     |      |    |
| OBS 00651      |           | 04.57       | 34.967          | 27.72       |             | 1479.9            |             |      |     |       |     |     |      |    |
| STD 00700      |           | 04.43       | 34.97           | 27.73       | 00.549      | 1480.2            |             |      |     |       |     |     |      |    |
| OBS 00700      |           | 04.43       | 34.965          | 27.73       |             | 1480.2            |             |      |     |       |     |     |      |    |
| OBS 00750      |           | 04.37       | 34.970          | 27.74       |             | 1480.8            |             |      |     |       |     |     |      |    |
| STD 00800      |           | 04.30       | 34.97           | 27.75       | 00.594      | 1481.3            |             |      |     |       |     |     |      |    |
| OBS 00801      |           | 04.30       | 34.976          | 27.75       |             | 1481.3            |             |      |     |       |     |     |      |    |
| OBS 00850      |           | 04.12       | 34.966          | 27.76       |             | 1481.4            |             |      |     |       |     |     |      |    |
| STD 00900      |           | 04.33       | 34.98           | 27.76       | 00.638      | 1483.1            |             |      |     |       |     |     |      |    |
| OBS 00900      |           | 04.33       | 34.986          | 27.76       |             | 1483.1            |             |      |     |       |     |     |      |    |
| OBS 00951      |           | 04.35       | 34.986          | 27.75       |             | 1484.0            |             |      |     |       |     |     |      |    |
| STD 01000      |           | 04.33       | 34.98           | 27.76       | 00.683      | 1484.8            |             |      |     |       |     |     |      |    |
| OBS 01001      |           | 04.33       | 34.986          | 27.76       |             | 1484.8            |             |      |     |       |     |     |      |    |
| OBS 01020      |           | 04.31       | 34.986          | 27.76       |             | 1485.0            |             |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |            |                 |               |             |               |                   |             |
|----------------|-----------|------------|-----------------|---------------|-------------|---------------|-------------------|-------------|
| REFID 31       | 83/1      | YEAR 1974  | BOTDP 03860     | AIN TEMP 12.0 | DIA HGT PER | WIND-DIA 33   | INST STD RECORDER | YEN SQ 1306 |
| CONSEC 0020    | MONTH 06  | SHIP EV    | WET SUB 10.1    | 00 0 X        | WIND-SPD 06 | TRACE DIA 0   | 5 SQUARE 2        |             |
| LAT 44 08.8N   | DAY 14    | DATA USE 1 | BAROMETR 1028.9 | SEA           | WIND-FOR    | DURATION 00.7 | 2 SQUARE 46       |             |
| LONG 046 08.4W | HOOR 05.8 | AREA 05    | CLOUD T/A       | CL/TX         | WEATHER X2  | CRIG 011 621  | 1 SQUARE 46       |             |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | ORXG | PO4 | TOT P | NO2 | NO3 | STO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 05.8        | STD   | 00000 | 10.22 | 33.01  | 25.38   | 00.000 | 1488.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 10.22 | 33.010 | 25.38   |        | 1488.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 10.21 | 33.020 | 25.39   |        | 1488.7  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 09.66 | 32.900 | 25.39   |        | 1488.5  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 09.50 | 32.960 | 25.46   |        | 1488.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 09.60 | 33.07  | 25.54   | 00.025 | 1488.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 09.61 | 33.120 | 25.57   |        | 1488.7  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 09.12 | 33.090 | 25.62   |        | 1488.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 08.92 | 33.12  | 25.68   | 00.049 | 1488.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 08.47 | 33.186 | 25.80   |        | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 08.01 | 33.124 | 25.82   |        | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 07.24 | 33.06  | 25.88   | 00.071 | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 07.01 | 33.050 | 25.90   |        | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 06.07 | 33.270 | 26.20   |        | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 06.16 | 33.354 | 26.25   |        | 1474.2  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 05.61 | 33.290 | 26.27   |        | 1472.0  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 05.19 | 33.370 | 26.38   |        | 1470.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 05.48 | 33.54  | 26.44   | 00.108 | 1471.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 05.59 | 33.600 | 26.52   |        | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | 05.68 | 33.616 | 26.52   |        | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 06.18 | 33.820 | 26.62   |        | 1475.2  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | 03.22 | 33.470 | 26.67   |        | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | 03.68 | 33.580 | 26.71   |        | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 03.68 | 33.57  | 26.70   | 00.145 | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 03.69 | 33.570 | 26.70   |        | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 03.75 | 33.600 | 26.72   |        | 1465.2  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 04.31 | 33.720 | 26.76   |        | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 04.75 | 33.800 | 26.77   |        | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 04.50 | 33.770 | 26.78   |        | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 04.54 | 33.838 | 26.83   |        | 1469.1  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 05.08 | 33.960 | 26.86   |        | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 05.92 | 34.080 | 26.86   |        | 1475.1  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | 05.07 | 33.947 | 26.86   |        | 1471.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 05.02 | 33.94  | 26.86   | 00.177 | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 05.02 | 33.943 | 26.86   |        | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 05.12 | 33.995 | 26.89   |        | 1471.9  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | 05.73 | 34.090 | 26.89   |        | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | 05.71 | 34.086 | 26.89   |        | 1474.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 05.90 | 34.23  | 26.98   | 00.206 | 1475.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 05.93 | 34.244 | 26.98   |        | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 06.13 | 34.290 | 27.00   |        | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | 06.86 | 34.444 | 27.02   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00139 | 06.84 | 34.435 | 27.02   |        | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00144 | 07.83 | 34.634 | 27.03   |        | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 07.94 | 34.655 | 27.03   |        | 1484.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 08.33 | 34.74  | 27.04   | 00.233 | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 08.53 | 34.785 | 27.04   |        | 1487.2  |      |     |       |     |     |      |    |
|             | OBS   | 00161 | 08.76 | 34.845 | 27.05   |        | 1488.3  |      |     |       |     |     |      |    |
|             | OBS   | 00165 | 08.04 | 34.720 | 27.07   |        | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00171 | 07.98 | 34.745 | 27.10   |        | 1485.3  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 06.32 | 34.440 | 27.09   |        | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00184 | 06.35 | 34.500 | 27.13   |        | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 06.05 | 34.467 | 27.15   |        | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00194 | 06.30 | 34.502 | 27.14   |        | 1478.8  |      |     |       |     |     |      |    |
|             | OBS   | 00198 | 06.33 | 34.506 | 27.14   |        | 1479.0  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 06.50 | 34.54  | 27.15   | 00.283 | 1479.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 06.64 | 34.580 | 27.16   |        | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 06.79 | 34.646 | 27.19   |        | 1481.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 06.71 | 34.64  | 27.19   | 00.330 | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 06.69 | 34.635 | 27.19   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 06.50 | 34.650 | 27.23   |        | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00281 | 06.79 | 34.740 | 27.26   |        | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00287 | 06.77 | 34.770 | 27.29   |        | 1482.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 06.29 | 34.68  | 27.29   | 00.374 | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00308 | 06.05 | 34.650 | 27.29   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00329 | 05.73 | 34.645 | 27.33   |        | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 05.01 | 34.560 | 27.35   |        | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00357 | 05.37 | 34.630 | 27.36   |        | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00373 | 04.96 | 34.600 | 27.38   |        | 1476.5  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.99 | 34.64  | 27.41   | 00.452 | 1477.1  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 05.01 | 34.656 | 27.42   |        | 1477.2  |      |     |       |     |     |      |    |
|             | OBS   | 00405 | 05.06 | 34.690 | 27.44   |        | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00415 | 05.84 | 34.835 | 27.46   |        | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00416 | 05.96 | 34.850 | 27.46   |        | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00424 | 06.57 | 34.975 | 27.48   |        | 1484.3  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 06.64 | 34.994 | 27.48   |        | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00493 | 06.08 | 34.963 | 27.53   |        | 1483.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.44 | 34.88  | 27.55   | 00.519 | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00504 | 05.20 | 34.850 | 27.55   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00517 | 05.21 | 34.855 | 27.56   |        | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00534 | 05.69 | 34.975 | 27.59   |        | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00536 | 05.74 | 34.980 | 27.59   |        | 1482.9  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 05.90 | 34.970 | 27.560  |        |         |      |     |       |     |     |      |    |
|             | STD   | 00600 | 05.74 | 34.98  | 27.59   | 00.579 | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00603 | 05.71 | 34.980 | 27.59   |        | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.98 | 34.970 | 27.68   |        | 1481.6  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.57 | 34.93  | 27.69   | 00.633 | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.57 | 34.930 | 27.69   |        | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.78 | 34.890 | 27.71   |        | 1482.5  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.85 | 34.98  | 27.70   | 00.683 | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.85 | 34.980 | 27.70   |        | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.84 | 34.970 | 27.69   |        | 1484.4  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.55 | 34.97  | 27.72   | 00.731 | 1484.0  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.55 | 34.970 | 27.72   |        | 1484.0  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.57 | 34.990 | 27.74   |        | 1485.0  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.37 | 34.96  | 27.74   | 00.779 | 1484.9  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.37 | 34.960 | 27.74   |        | 1484.9  |      |     |       |     |     |      |    |
|             | OBS   | 01029 | 04.38 | 34.970 | 27.74   |        | 1485.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                |             |             |                   |             |
|----------------|-----------|-------------|----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 03703 | AIN TEMP 10.2  | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0021    | MONTH 06  | SHIP EV     | WEI BULS 09.5  | 00 0 X      | WIND-SPD 04 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 32.3N   | DAY 14    | DATA USE 1  | BRACHET 1029.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 04.2W | HOUR 09.2 | AREA 05     | CLUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 622      | 1 SQUARE 46 |

|             |         |       |       |         |         |         |          |      |     |       |     |     |      |    |
|-------------|---------|-------|-------|---------|---------|---------|----------|------|-----|-------|-----|-----|------|----|
| CSTNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL     | SIGMA-T | DYNDPTH | SND VEL. | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
| 09.2        | STD     | 00000 | 07.16 | 33.31   | 25.85   | 00.000  | 1477.1   |      |     |       |     |     |      |    |
|             | OBS     | 00000 | 07.16 | 33.307  | 25.85   |         | 1477.1   |      |     |       |     |     |      |    |
|             | OBS     | 00003 | 06.97 | 33.307  | 25.88   |         | 1476.4   |      |     |       |     |     |      |    |
|             | OBS     | 00007 | 06.51 | 32.924  | 25.87   |         | 1474.5   |      |     |       |     |     |      |    |
|             | OBS     | 00009 | 06.36 | 32.964  | 25.92   |         | 1474.0   |      |     |       |     |     |      |    |
|             | STD     | 00010 | 06.25 | 32.925  | 25.92   | 00.021  | 1473.5   |      |     |       |     |     |      |    |
|             | OBS     | 00011 | 05.99 | 32.925  | 25.94   |         | 1472.5   |      |     |       |     |     |      |    |
|             | OBS     | 00013 | 05.76 | 32.913  | 25.95   |         | 1471.6   |      |     |       |     |     |      |    |
|             | OBS     | 00019 | 05.70 | 33.344  | 26.07   |         | 1471.6   |      |     |       |     |     |      |    |
|             | STD     | 00020 | 05.56 | 33.34   | 26.08   | 00.041  | 1471.0   |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 05.44 | 33.035  | 26.09   |         | 1470.5   |      |     |       |     |     |      |    |
|             | OBS     | 00024 | 05.05 | 33.054  | 26.15   |         | 1469.0   |      |     |       |     |     |      |    |
|             | OBS     | 00026 | 04.44 | 33.096  | 26.25   |         | 1466.6   |      |     |       |     |     |      |    |
|             | OBS     | 00028 | 04.35 | 33.123  | 26.28   |         | 1466.3   |      |     |       |     |     |      |    |
|             | STD     | 00030 | 04.13 | 33.12   | 26.30   | 00.060  | 1465.4   |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 04.02 | 33.120  | 26.31   |         | 1464.9   |      |     |       |     |     |      |    |
|             | OBS     | 00032 | 03.42 | 33.136  | 26.38   |         | 1462.4   |      |     |       |     |     |      |    |
|             | OBS     | 00034 | 03.17 | 33.157  | 26.42   |         | 1461.4   |      |     |       |     |     |      |    |
|             | OBS     | 00036 | 02.16 | 33.120  | 26.48   |         | 1457.1   |      |     |       |     |     |      |    |
|             | OBS     | 00038 | 01.63 | 33.094  | 26.50   |         | 1454.6   |      |     |       |     |     |      |    |
|             | OBS     | 00040 | 01.31 | 33.130  | 26.52   |         | 1453.3   |      |     |       |     |     |      |    |
|             | OBS     | 00041 | 01.26 | 33.295  | 26.68   |         | 1453.3   |      |     |       |     |     |      |    |
|             | OBS     | 00045 | 02.63 | 33.425  | 26.68   |         | 1459.6   |      |     |       |     |     |      |    |
|             | OBS     | 00047 | 02.43 | 33.450  | 26.72   |         | 1458.8   |      |     |       |     |     |      |    |
|             | OBS     | 00049 | 02.45 | 33.600  | 26.84   |         | 1459.1   |      |     |       |     |     |      |    |
|             | STD     | 00050 | 02.61 | 33.62   | 26.84   | 00.089  | 1459.9   |      |     |       |     |     |      |    |
|             | OBS     | 00053 | 03.45 | 33.753  | 26.87   |         | 1463.7   |      |     |       |     |     |      |    |
|             | OBS     | 00055 | 03.78 | 33.805  | 26.88   |         | 1465.2   |      |     |       |     |     |      |    |
|             | OBS     | 00057 | 04.34 | 33.947  | 26.94   |         | 1467.9   |      |     |       |     |     |      |    |
|             | OBS     | 00059 | 04.52 | 34.015  | 26.97   |         | 1468.7   |      |     |       |     |     |      |    |
|             | OBS     | 00066 | 06.13 | 34.285  | 26.99   |         | 1475.7   |      |     |       |     |     |      |    |
|             | OBS     | 00072 | 06.37 | 34.330  | 27.00   |         | 1476.9   |      |     |       |     |     |      |    |
|             | STD     | 00075 | 06.27 | 34.31   | 27.00   | 00.118  | 1476.5   |      |     |       |     |     |      |    |
|             | OBS     | 00078 | 06.16 | 34.297  | 27.00   |         | 1476.1   |      |     |       |     |     |      |    |
|             | OBS     | 00089 | 05.68 | 34.250  | 27.02   |         | 1474.3   |      |     |       |     |     |      |    |
|             | OBS     | 00095 | 05.12 | 34.160  | 27.02   |         | 1472.0   |      |     |       |     |     |      |    |
|             | STD     | 00100 | 04.96 | 34.16   | 27.03   | 00.145  | 1471.4   |      |     |       |     |     |      |    |
|             | OBS     | 00100 | 04.93 | 34.155  | 27.04   |         | 1471.3   |      |     |       |     |     |      |    |
|             | OBS     | 00102 | 04.87 | 34.150  | 27.04   |         | 1471.0   |      |     |       |     |     |      |    |
|             | OBS     | 00104 | 04.59 | 34.135  | 27.06   |         | 1469.9   |      |     |       |     |     |      |    |
|             | OBS     | 00108 | 04.48 | 34.140  | 27.07   |         | 1469.5   |      |     |       |     |     |      |    |
|             | OBS     | 00110 | 04.66 | 34.154  | 27.06   |         | 1470.3   |      |     |       |     |     |      |    |
|             | OBS     | 00114 | 04.64 | 34.137  | 27.05   |         | 1470.2   |      |     |       |     |     |      |    |
|             | OBS     | 00118 | 04.16 | 34.070  | 27.05   |         | 1468.2   |      |     |       |     |     |      |    |
|             | STD     | 00125 | 04.26 | 34.15   | 27.11   | 00.170  | 1468.9   |      |     |       |     |     |      |    |
|             | OBS     | 00125 | 04.27 | 34.157  | 27.11   |         | 1468.9   |      |     |       |     |     |      |    |
|             | STD     | 00150 | 04.19 | 34.17   | 27.13   | 00.194  | 1469.0   |      |     |       |     |     |      |    |
|             | OBS     | 00150 | 04.19 | 34.176  | 27.13   |         | 1469.0   |      |     |       |     |     |      |    |
|             | OBS     | 00163 | 04.42 | 34.285  | 27.20   |         | 1470.3   |      |     |       |     |     |      |    |
|             | OBS     | 00167 | 04.05 | 34.254  | 27.21   |         | 1468.8   |      |     |       |     |     |      |    |
|             | OBS     | 00169 | 04.40 | 34.300  | 27.21   |         | 1470.4   |      |     |       |     |     |      |    |
|             | OBS     | 00175 | 04.05 | 34.265  | 27.22   |         | 1469.0   |      |     |       |     |     |      |    |
|             | OBS     | 00180 | 04.41 | 34.310  | 27.22   |         | 1470.6   |      |     |       |     |     |      |    |
|             | STD     | 00200 | 05.42 | 34.48   | 27.24   | 00.240  | 1475.3   |      |     |       |     |     |      |    |
|             | OBS     | 00205 | 05.51 | 34.504  | 27.24   |         | 1475.8   |      |     |       |     |     |      |    |
|             | OBS     | 00218 | 05.37 | 34.490  | 27.25   |         | 1475.4   |      |     |       |     |     |      |    |
|             | OBS     | 00226 | 05.51 | 34.510  | 27.25   |         | 1476.2   |      |     |       |     |     |      |    |
|             | STD     | 00250 | 05.49 | 34.64   | 27.35   | 00.281  | 1476.7   |      |     |       |     |     |      |    |
|             | OBS     | 00251 | 05.49 | 34.645  | 27.36   |         | 1476.7   |      |     |       |     |     |      |    |
|             | OBS     | 00268 | 05.58 | 34.705  | 27.39   |         | 1477.4   |      |     |       |     |     |      |    |
|             | OBS     | 00272 | 06.00 | 34.760  | 27.38   |         | 1479.2   |      |     |       |     |     |      |    |
|             | OBS     | 00276 | 06.05 | 34.760  | 27.38   |         | 1479.5   |      |     |       |     |     |      |    |
|             | OBS     | 00283 | 06.12 | 34.827  | 27.42   |         | 1480.0   |      |     |       |     |     |      |    |
|             | OBS     | 00289 | 05.59 | 34.740  | 27.42   |         | 1477.8   |      |     |       |     |     |      |    |
|             | STD     | 00300 | 05.58 | 34.74   | 27.42   | 00.317  | 1478.0   |      |     |       |     |     |      |    |
|             | OBS     | 00300 | 05.58 | 34.743  | 27.43   |         | 1478.0   |      |     |       |     |     |      |    |
|             | OBS     | 00306 | 05.59 | 34.765  | 27.44   |         | 1478.2   |      |     |       |     |     |      |    |
|             | OBS     | 00319 | 07.14 | 35.027  | 27.44   |         | 1484.9   |      |     |       |     |     |      |    |
|             | OBS     | 00329 | 07.36 | 35.074  | 27.44   |         | 1486.0   |      |     |       |     |     |      |    |
|             | OBS     | 00348 | 06.88 | 34.970  | 27.43   |         | 1484.3   |      |     |       |     |     |      |    |
|             | OBS     | 00350 | 06.84 | 34.975  | 27.44   |         | 1484.1   |      |     |       |     |     |      |    |
|             | OBS     | 00354 | 06.71 | 34.965  | 27.45   |         | 1483.7   |      |     |       |     |     |      |    |
|             | OBS     | 00357 | 06.36 | 34.940  | 27.48   |         | 1482.3   |      |     |       |     |     |      |    |
|             | OBS     | 00363 | 06.30 | 34.950  | 27.50   |         | 1482.2   |      |     |       |     |     |      |    |
|             | OBS     | 00376 | 05.40 | 34.78 P | 27.470  |         |          |      |     |       |     |     |      |    |
|             | OBS     | 00382 | 05.16 | 34.774  | 27.50   |         | 1477.7   |      |     |       |     |     |      |    |
|             | STD     | 00400 | 05.25 | 34.82   | 27.53   | 00.383  | 1476.4   |      |     |       |     |     |      |    |
|             | OBS     | 00403 | 05.26 | 34.830  | 27.53   |         | 1476.5   |      |     |       |     |     |      |    |
|             | OBS     | 00447 | 05.19 | 34.815  | 27.53   |         | 1476.9   |      |     |       |     |     |      |    |
|             | OBS     | 00454 | 04.78 | 34.785  | 27.55   |         | 1477.3   |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.37 | 34.83   | 27.63   | 00.440  | 1476.4   |      |     |       |     |     |      |    |
|             | OBS     | 00502 | 04.35 | 34.835  | 27.64   |         | 1476.4   |      |     |       |     |     |      |    |
|             | OBS     | 00550 | 05.04 | 34.990  | 27.68   |         | 1480.2   |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.90 | 34.99   | 27.70   | 00.490  | 1480.5   |      |     |       |     |     |      |    |
|             | OBS     | 00601 | 04.90 | 34.990  | 27.70   |         | 1480.5   |      |     |       |     |     |      |    |
|             | OBS     | 00651 | 04.71 | 34.970  | 27.71   |         | 1480.5   |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.87 | 34.99   | 27.70   | 00.538  | 1482.0   |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 04.87 | 34.990  | 27.70   |         | 1482.0   |      |     |       |     |     |      |    |
|             | OBS     | 00750 | 04.69 | 34.985  | 27.72   |         | 1482.1   |      |     |       |     |     |      |    |
|             | STD     | 00800 | 04.62 | 34.99   | 27.73   | 00.585  | 1482.7   |      |     |       |     |     |      |    |
|             | OBS     | 00801 | 04.62 | 34.990  | 27.73   |         | 1482.7   |      |     |       |     |     |      |    |
|             | OBS     | 00850 | 04.53 | 34.990  | 27.74   |         | 1483.1   |      |     |       |     |     |      |    |
|             | STD     | 00900 | 04.30 | 34.98   | 27.76   | 00.630  | 1483.0   |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 04.30 | 34.986  | 27.76   |         | 1483.0   |      |     |       |     |     |      |    |
|             | OBS     | 00951 | 04.08 | 34.974  | 27.78   |         | 1482.9   |      |     |       |     |     |      |    |
|             | STD     | 01000 | 04.05 | 34.97   | 27.78   | 00.674  | 1483.6   |      |     |       |     |     |      |    |
|             | OBS     | 01001 | 04.05 | 34.974  | 27.78   |         | 1483.6   |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 03554 | AIA TEMP         | DIA HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0022    | MONTH 06  | SHIP EV     | MET BULB         | 34 0 2      | WIND-SPD 00 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 56.0N   | DAY 14    | DATA USE 1  | BAROMETER 1003.0 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 46 |
| LONG 046 02.0W | HOOR 12.6 | AREA 05     | CLLUD T/A        | CL/FR       | WEATHER X2  | ORIG Q11 623      | 1 SQUARE 46 |

| CASNUM/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 12.4        | STD    | 00000 | 05.10 | 33.12  | 26.20   | 00.000 | 1469.9  |      |     |       |     |     |      |    |
|             | OBS    | 00001 | 05.10 | 33.120 | 26.20   |        | 1469.0  |      |     |       |     |     |      |    |
|             | OBS    | 00005 | 05.14 | 33.117 | 26.19   |        | 1469.2  |      |     |       |     |     |      |    |
|             | OBS    | 00009 | 04.76 | 33.110 | 26.23   |        | 1467.7  |      |     |       |     |     |      |    |
|             | STD    | 00010 | 04.73 | 33.11  | 26.23   | 00.018 | 1467.5  |      |     |       |     |     |      |    |
|             | OBS    | 00011 | 04.64 | 33.120 | 26.25   |        | 1467.2  |      |     |       |     |     |      |    |
|             | OBS    | 00017 | 04.40 | 33.173 | 26.32   |        | 1466.4  |      |     |       |     |     |      |    |
|             | STD    | 00020 | 04.94 | 33.37  | 26.42   | 00.035 | 1466.9  |      |     |       |     |     |      |    |
|             | OBS    | 00020 | 05.16 | 33.447 | 26.45   |        | 1469.9  |      |     |       |     |     |      |    |
|             | OBS    | 00024 | 04.36 | 33.816 | 26.55   |        | 1475.4  |      |     |       |     |     |      |    |
|             | STD    | 00030 | 03.62 | 33.29  | 26.49   | 00.051 | 1463.4  |      |     |       |     |     |      |    |
|             | OBS    | 00034 | 01.96 | 33.240 | 26.59   |        | 1456.2  |      |     |       |     |     |      |    |
|             | OBS    | 00036 | 01.39 | 33.323 | 26.70   |        | 1459.9  |      |     |       |     |     |      |    |
|             | OBS    | 00038 | 01.28 | 33.430 | 26.79   |        | 1453.5  |      |     |       |     |     |      |    |
|             | OBS    | 00040 | 01.47 | 33.456 | 26.79   |        | 1454.4  |      |     |       |     |     |      |    |
|             | OBS    | 00047 | 01.10 | 33.460 | 26.83   |        | 1452.9  |      |     |       |     |     |      |    |
|             | OBS    | 00049 | 01.32 | 33.570 | 26.90   |        | 1454.1  |      |     |       |     |     |      |    |
|             | STD    | 00050 | 01.24 | 33.56  | 26.89   | 00.078 | 1453.8  |      |     |       |     |     |      |    |
|             | OBS    | 00051 | 01.16 | 33.543 | 26.89   |        | 1453.4  |      |     |       |     |     |      |    |
|             | OBS    | 00055 | 01.88 | 33.614 | 26.89   |        | 1456.7  |      |     |       |     |     |      |    |
|             | OBS    | 00059 | 01.30 | 33.544 | 26.88   |        | 1454.1  |      |     |       |     |     |      |    |
|             | OBS    | 00068 | 01.26 | 33.693 | 27.00   |        | 1454.3  |      |     |       |     |     |      |    |
|             | OBS    | 00070 | 01.52 | 33.740 | 27.02   |        | 1455.6  |      |     |       |     |     |      |    |
|             | OBS    | 00074 | 01.56 | 33.774 | 27.04   |        | 1455.9  |      |     |       |     |     |      |    |
|             | STD    | 00075 | 01.80 | 33.80  | 27.05   | 00.106 | 1457.0  |      |     |       |     |     |      |    |
|             | OBS    | 00079 | 02.85 | 33.950 | 27.08   |        | 1461.8  |      |     |       |     |     |      |    |
|             | OBS    | 00083 | 03.13 | 33.990 | 27.09   |        | 1463.2  |      |     |       |     |     |      |    |
|             | OBS    | 00085 | 03.62 | 34.090 | 27.12   |        | 1465.5  |      |     |       |     |     |      |    |
|             | OBS    | 00091 | 03.59 | 34.090 | 27.13   |        | 1465.4  |      |     |       |     |     |      |    |
|             | STD    | 00100 | 03.79 | 34.16  | 27.16   | 00.130 | 1466.5  |      |     |       |     |     |      |    |
|             | OBS    | 00100 | 03.81 | 34.160 | 27.16   |        | 1466.4  |      |     |       |     |     |      |    |
|             | OBS    | 00102 | 03.85 | 34.160 | 27.16   |        | 1466.8  |      |     |       |     |     |      |    |
|             | OBS    | 00110 | 04.64 | 34.297 | 27.18   |        | 1470.4  |      |     |       |     |     |      |    |
|             | STD    | 00125 | 04.59 | 34.29  | 27.18   | 00.153 | 1470.4  |      |     |       |     |     |      |    |
|             | OBS    | 00125 | 04.55 | 34.296 | 27.19   |        | 1470.3  |      |     |       |     |     |      |    |
|             | OBS    | 00129 | 04.19 | 34.310 | 27.24   |        | 1468.9  |      |     |       |     |     |      |    |
|             | OBS    | 00137 | 04.89 | 34.444 | 27.27   |        | 1472.1  |      |     |       |     |     |      |    |
|             | STD    | 00150 | 04.71 | 34.44  | 27.28   | 00.175 | 1471.5  |      |     |       |     |     |      |    |
|             | OBS    | 00150 | 04.70 | 34.433 | 27.28   |        | 1471.5  |      |     |       |     |     |      |    |
|             | OBS    | 00163 | 04.10 | 34.400 | 27.32   |        | 1469.2  |      |     |       |     |     |      |    |
|             | OBS    | 00165 | 03.83 | 34.396 | 27.34   |        | 1468.0  |      |     |       |     |     |      |    |
|             | OBS    | 00177 | 03.56 | 34.410 | 27.38   |        | 1467.1  |      |     |       |     |     |      |    |
|             | OBS    | 00184 | 04.31 | 34.514 | 27.39   |        | 1470.5  |      |     |       |     |     |      |    |
|             | OBS    | 00186 | 04.39 | 34.500 | 27.37   |        | 1470.9  |      |     |       |     |     |      |    |
|             | OBS    | 00194 | 05.35 | 34.644 | 27.37   |        | 1475.2  |      |     |       |     |     |      |    |
|             | STD    | 00200 | 05.95 | 34.74  | 27.38   | 00.213 | 1477.8  |      |     |       |     |     |      |    |
|             | OBS    | 00209 | 06.53 | 34.850 | 27.39   |        | 1480.4  |      |     |       |     |     |      |    |
|             | OBS    | 00226 | 06.34 | 34.860 | 27.42   |        | 1480.0  |      |     |       |     |     |      |    |
|             | STD    | 00250 | 06.06 | 34.83  | 27.43   | 00.249 | 1479.2  |      |     |       |     |     |      |    |
|             | OBS    | 00251 | 06.05 | 34.830 | 27.43   |        | 1479.2  |      |     |       |     |     |      |    |
|             | OBS    | 00281 | 06.19 | 34.964 | 27.52   |        | 1480.4  |      |     |       |     |     |      |    |
|             | OBS    | 00287 | 06.03 | 34.940 | 27.52   |        | 1479.8  |      |     |       |     |     |      |    |
|             | STD    | 00300 | 05.43 | 34.82  | 27.51   | 00.282 | 1477.5  |      |     |       |     |     |      |    |
|             | OBS    | 00304 | 05.17 | 34.786 | 27.50   |        | 1476.5  |      |     |       |     |     |      |    |
|             | OBS    | 00354 | 04.40 | 34.774 | 27.58   |        | 1474.1  |      |     |       |     |     |      |    |
|             | STD    | 00400 | 04.38 | 34.85  | 27.65   | 00.338 | 1474.8  |      |     |       |     |     |      |    |
|             | OBS    | 00403 | 04.38 | 34.850 | 27.65   |        | 1474.9  |      |     |       |     |     |      |    |
|             | OBS    | 00451 | 04.42 | 34.856 | 27.64   |        | 1475.8  |      |     |       |     |     |      |    |
|             | OBS    | 00460 | 04.71 | 34.933 | 27.68   |        | 1477.3  |      |     |       |     |     |      |    |
|             | STD    | 00500 | 04.73 | 34.96  | 27.70   | 00.386 | 1478.1  |      |     |       |     |     |      |    |
|             | OBS    | 00500 | 04.73 | 34.960 | 27.70   |        | 1478.1  |      |     |       |     |     |      |    |
|             | OBS    | 00550 | 04.44 | 34.933 | 27.72   |        | 1477.7  |      |     |       |     |     |      |    |
|             | STD    | 00600 | 04.39 | 34.95  | 27.73   | 00.432 | 1478.3  |      |     |       |     |     |      |    |
|             | OBS    | 00601 | 04.39 | 34.950 | 27.73   |        | 1478.3  |      |     |       |     |     |      |    |
|             | OBS    | 00651 | 04.21 | 34.930 | 27.73   |        | 1478.4  |      |     |       |     |     |      |    |
|             | STD    | 00700 | 04.16 | 34.95  | 27.75   | 00.475 | 1479.0  |      |     |       |     |     |      |    |
|             | OBS    | 00700 | 04.16 | 34.950 | 27.75   |        | 1479.0  |      |     |       |     |     |      |    |
|             | OBS    | 00750 | 04.06 | 34.930 | 27.75   |        | 1479.4  |      |     |       |     |     |      |    |
|             | STD    | 00800 | 03.88 | 34.93  | 27.76   | 00.517 | 1479.5  |      |     |       |     |     |      |    |
|             | OBS    | 00864 | 03.87 | 34.930 | 27.77   |        | 1480.5  |      |     |       |     |     |      |    |
|             | STD    | 00900 | 03.97 | 34.95  | 27.77   | 00.560 | 1481.5  |      |     |       |     |     |      |    |
|             | OBS    | 00900 | 03.97 | 34.950 | 27.77   |        | 1481.6  |      |     |       |     |     |      |    |
|             | OBS    | 00951 | 03.91 | 34.935 | 27.77   |        | 1482.1  |      |     |       |     |     |      |    |
|             | STD    | 01000 | 03.92 | 34.94  | 27.77   | 00.602 | 1483.0  |      |     |       |     |     |      |    |
|             | OBS    | 01001 | 03.92 | 34.946 | 27.77   |        | 1483.0  |      |     |       |     |     |      |    |
|             | OBS    | 01024 | 03.86 | 34.940 | 27.77   |        | 1483.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 03424 | AIA TEMP 13.5   | DIR HGT PER | WIND-DIR 13 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0023    | MONTH 06  | SHIP EV     | NET BULB 12.5   | 31 0 2      | WIND-SPD 03 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 20.4N   | DAY 14    | DATA USE 1  | BAROMETR 1030.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 01.5W | HOOR 15.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER K2  | DRIG 011 624      | 1 SQUARE 56 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.7        | STD   | 00000 | 06.84 | 33.58  | 26.34   | 00.000  | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 06.84 | 33.57  | 26.34   |         | 1476.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.75 | 33.59  | 26.37   | 00.017  | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 06.69 | 33.59  | 26.38   |         | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 06.43 | 33.610 | 26.42   |         | 1475.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 06.44 | 33.60  | 26.41   | 00.033  | 1475.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 06.45 | 33.600 | 26.41   |         | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 06.59 | 33.80  | 26.56   |         | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 06.78 | 34.15  | 26.80   |         | 1477.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 08.19 | 34.46  | 26.85   | 00.048  | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 08.50 | 34.540 | 26.86   |         | 1484.7  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 04.82 | 34.040 | 26.96   |         | 1469.6  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 04.98 | 34.130 | 27.03   |         | 1470.5  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 05.46 | 34.230 | 27.03   |         | 1472.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 05.67 | 34.26  | 27.03   | 00.070  | 1473.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 05.68 | 34.265 | 27.03   |         | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 05.07 | 34.240 | 27.09   |         | 1471.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 04.83 | 34.21  | 27.09   | 00.096  | 1470.5  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 04.64 | 34.197 | 27.10   |         | 1470.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 05.12 | 34.25  | 27.09   | 00.120  | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | 05.43 | 34.294 | 27.09   |         | 1473.6  |      |     |       |     |     |      |    |
|             | OBS   | 00118 | 05.40 | 34.318 | 27.11   |         | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | 05.69 | 34.410 | 27.15   |         | 1475.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 05.76 | 34.41  | 27.14   | 00.145  | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 05.77 | 34.415 | 27.14   |         | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00137 | 06.22 | 34.492 | 27.14   |         | 1477.5  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | 06.21 | 34.516 | 27.16   |         | 1477.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 06.35 | 34.56  | 27.18   | 00.168  | 1478.4  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 06.53 | 34.615 | 27.20   |         | 1479.2  |      |     |       |     |     |      |    |
|             | OBS   | 00156 | 06.70 | 34.665 | 27.22   |         | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00161 | 07.09 | 34.740 | 27.22   |         | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00178 | 06.50 | 34.630 | 27.22   |         | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00182 | 06.15 | 34.620 | 27.25   |         | 1478.2  |      |     |       |     |     |      |    |
|             | OBS   | 00184 | 06.06 | 34.600 | 27.25   |         | 1477.8  |      |     |       |     |     |      |    |
|             | OBS   | 00186 | 05.57 | 34.510 | 27.24   |         | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00188 | 05.51 | 34.490 | 27.23   |         | 1475.5  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 04.75 | 34.420 | 27.27   |         | 1472.3  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.52 | 34.43  | 27.30   | 00.211  | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 04.50 | 34.440 | 27.31   |         | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00209 | 04.51 | 34.490 | 27.35   |         | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00220 | 05.08 | 34.600 | 27.37   |         | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 04.46 | 34.490 | 27.35   |         | 1471.9  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.95 | 34.50  | 27.42   | 00.248  | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 03.92 | 34.500 | 27.42   |         | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 03.94 | 34.490 | 27.41   |         | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.57 | 34.630 | 27.45   |         | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00279 | 04.81 | 34.677 | 27.46   |         | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00283 | 04.87 | 34.740 | 27.51   |         | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00287 | 05.19 | 34.770 | 27.49   |         | 1476.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.05 | 34.81  | 27.54   | 00.281  | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.04 | 34.815 | 27.55   |         | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.66 | 34.800 | 27.58   |         | 1475.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.45 | 34.84  | 27.63   | 00.336  | 1475.1  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 04.44 | 34.840 | 27.63   |         | 1475.1  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.82 | 34.970 | 27.69   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00491 | 04.76 | 34.960 | 27.69   |         | 1478.1  |      |     |       |     |     |      |    |
|             | OBS   | 00494 | 04.47 | 34.930 | 27.71   |         | 1476.9  |      |     |       |     |     |      |    |
|             | OBS   | 00498 | 04.46 | 34.930 | 27.70   |         | 1476.9  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.43 | 34.93  | 27.70   | 00.384  | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00525 | 04.19 | 34.900 | 27.71   |         | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.49 | 34.970 | 27.73   |         | 1477.9  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.42 | 34.97  | 27.74   | 00.428  | 1478.5  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 04.42 | 34.970 | 27.74   |         | 1478.5  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.37 | 34.970 | 27.74   |         | 1479.1  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.30 | 34.97  | 27.75   | 00.471  | 1479.6  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.30 | 34.970 | 27.75   |         | 1479.6  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.18 | 34.975 | 27.77   |         | 1480.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.08 | 34.96  | 27.77   | 00.513  | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.08 | 34.960 | 27.77   |         | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.08 | 34.970 | 27.78   |         | 1481.2  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.94 | 34.95  | 27.77   | 00.555  | 1481.4  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.94 | 34.950 | 27.77   |         | 1481.4  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.94 | 34.960 | 27.78   |         | 1482.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.87 | 34.96  | 27.79   | 00.597  | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01003 | 03.86 | 34.960 | 27.79   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 01016 | 03.83 | 34.950 | 27.79   |         | 1482.9  |      |     |       |     |     |      |    |
|             | OBS   | 01024 | 03.85 | 34.960 | 27.79   |         | 1483.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 03044 | AIR TEMP 13.4   | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0024    | MONTH 04  | SHIP EV     | WET BULB 12.6   | 31 2 2      | WIND-SPD 00 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 49 35.2N   | DAY 14    | DATA USE 1  | BARGMETR 1030.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 27.0W | HOHR 19.2 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 625      | 1 SQUARE 56 |

| CASHTIME | LVLTY | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | S103 | PH |
|----------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 19.2     | STD   | 00000 | 03.77 | 33.16  | 26.37   | 00.300  | 1463.4  |      |     |       |     |     |      |    |
|          | OBS   | 00001 | 03.77 | 33.158 | 26.37   |         | 1463.4  |      |     |       |     |     |      |    |
|          | OBS   | 00007 | 03.55 | 33.117 | 26.36   |         | 1462.5  |      |     |       |     |     |      |    |
|          | OBS   | 00009 | 03.10 | 33.100 | 26.38   |         | 1460.6  |      |     |       |     |     |      |    |
|          | STD   | 00010 | 03.08 | 33.10  | 26.39   | 00.017  | 1460.5  |      |     |       |     |     |      |    |
|          | OBS   | 00011 | 03.01 | 33.113 | 26.40   |         | 1460.3  |      |     |       |     |     |      |    |
|          | STD   | 00020 | 02.79 | 33.12  | 26.43   | 00.033  | 1456.5  |      |     |       |     |     |      |    |
|          | OBS   | 00020 | 02.74 | 33.126 | 26.43   |         | 1459.3  |      |     |       |     |     |      |    |
|          | OBS   | 00022 | 02.61 | 33.126 | 26.44   |         | 1456.7  |      |     |       |     |     |      |    |
|          | OBS   | 00024 | 01.37 | 33.223 | 26.62   |         | 1453.4  |      |     |       |     |     |      |    |
|          | OBS   | 00026 | 00.65 | 33.313 | 26.73   |         | 1450.4  |      |     |       |     |     |      |    |
|          | STD   | 00030 | 00.18 | 33.56  | 26.96   | 00.046  | 1448.6  |      |     |       |     |     |      |    |
|          | OBS   | 00030 | 00.16 | 33.583 | 26.98   |         | 1448.6  |      |     |       |     |     |      |    |
|          | OBS   | 00034 | 00.46 | 33.667 | 27.03   |         | 1450.1  |      |     |       |     |     |      |    |
|          | OBS   | 00036 | 00.73 | 33.710 | 27.05   |         | 1451.4  |      |     |       |     |     |      |    |
|          | OBS   | 00038 | 01.17 | 33.733 | 27.04   |         | 1453.5  |      |     |       |     |     |      |    |
|          | OBS   | 00043 | 01.77 | 33.790 | 27.04   |         | 1456.3  |      |     |       |     |     |      |    |
|          | OBS   | 00049 | 01.14 | 33.750 | 27.05   |         | 1453.5  |      |     |       |     |     |      |    |
|          | STD   | 00050 | 01.10 | 33.75  | 27.06   | 00.068  | 1453.4  |      |     |       |     |     |      |    |
|          | OBS   | 00053 | 00.91 | 33.782 | 27.09   |         | 1452.6  |      |     |       |     |     |      |    |
|          | STD   | 00075 | 01.52 | 33.94  | 27.18   | 00.091  | 1455.9  |      |     |       |     |     |      |    |
|          | OBS   | 00076 | 01.53 | 33.943 | 27.18   |         | 1456.0  |      |     |       |     |     |      |    |
|          | OBS   | 00078 | 01.54 | 33.950 | 27.19   |         | 1456.1  |      |     |       |     |     |      |    |
|          | OBS   | 00081 | 02.28 | 34.118 | 27.27   |         | 1459.6  |      |     |       |     |     |      |    |
|          | OBS   | 00083 | 02.46 | 34.155 | 27.28   |         | 1460.5  |      |     |       |     |     |      |    |
|          | OBS   | 00089 | 03.20 | 34.293 | 27.33   |         | 1464.0  |      |     |       |     |     |      |    |
|          | OBS   | 00091 | 03.65 | 34.410 | 27.37   |         | 1466.1  |      |     |       |     |     |      |    |
|          | OBS   | 00093 | 03.72 | 34.410 | 27.37   |         | 1466.4  |      |     |       |     |     |      |    |
|          | OBS   | 00097 | 04.74 | 34.537 | 27.36   |         | 1470.9  |      |     |       |     |     |      |    |
|          | OBS   | 00099 | 04.88 | 34.553 | 27.36   |         | 1471.6  |      |     |       |     |     |      |    |
|          | STD   | 00100 | 05.08 | 34.59  | 27.36   | 00.112  | 1472.4  |      |     |       |     |     |      |    |
|          | OBS   | 00100 | 05.23 | 34.610 | 27.36   |         | 1473.1  |      |     |       |     |     |      |    |
|          | OBS   | 00110 | 05.27 | 34.610 | 27.36   |         | 1473.4  |      |     |       |     |     |      |    |
|          | STD   | 00125 | 03.79 | 34.44  | 27.38   | 00.130  | 1467.3  |      |     |       |     |     |      |    |
|          | OBS   | 00125 | 03.75 | 34.432 | 27.38   |         | 1467.1  |      |     |       |     |     |      |    |
|          | STD   | 00150 | 03.90 | 34.50  | 27.42   | 00.148  | 1468.2  |      |     |       |     |     |      |    |
|          | OBS   | 00150 | 03.90 | 34.500 | 27.42   |         | 1468.2  |      |     |       |     |     |      |    |
|          | OBS   | 00156 | 03.66 | 34.510 | 27.45   |         | 1467.3  |      |     |       |     |     |      |    |
|          | OBS   | 00161 | 04.04 | 34.560 | 27.45   |         | 1469.1  |      |     |       |     |     |      |    |
|          | OBS   | 00165 | 03.62 | 34.487 | 27.44   |         | 1467.3  |      |     |       |     |     |      |    |
|          | OBS   | 00171 | 03.69 | 34.510 | 27.45   |         | 1467.7  |      |     |       |     |     |      |    |
|          | OBS   | 00175 | 03.49 | 34.500 | 27.46   |         | 1466.9  |      |     |       |     |     |      |    |
|          | OBS   | 00178 | 03.25 | 34.518 | 27.50   |         | 1466.0  |      |     |       |     |     |      |    |
|          | OBS   | 00196 | 03.40 | 34.610 | 27.56   |         | 1467.0  |      |     |       |     |     |      |    |
|          | OBS   | 00199 | 03.20 | 34.590 | 27.56   |         | 1466.2  |      |     |       |     |     |      |    |
|          | STD   | 00200 | 03.19 | 34.59  | 27.56   | 00.178  | 1466.2  |      |     |       |     |     |      |    |
|          | OBS   | 00213 | 02.70 | 34.553 | 27.58   |         | 1464.2  |      |     |       |     |     |      |    |
|          | OBS   | 00222 | 02.72 | 34.580 | 27.60   |         | 1464.5  |      |     |       |     |     |      |    |
|          | OBS   | 00226 | 02.93 | 34.620 | 27.61   |         | 1465.3  |      |     |       |     |     |      |    |
|          | STD   | 00250 | 03.08 | 34.63  | 27.61   | 00.205  | 1466.6  |      |     |       |     |     |      |    |
|          | OBS   | 00251 | 03.09 | 34.633 | 27.61   |         | 1466.6  |      |     |       |     |     |      |    |
|          | OBS   | 00276 | 03.35 | 34.750 | 27.67   |         | 1468.3  |      |     |       |     |     |      |    |
|          | STD   | 00300 | 03.59 | 34.78  | 27.67   | 00.229  | 1469.8  |      |     |       |     |     |      |    |
|          | OBS   | 00302 | 03.62 | 34.780 | 27.67   |         | 1469.9  |      |     |       |     |     |      |    |
|          | OBS   | 00350 | 04.06 | 34.840 | 27.67   |         | 1472.7  |      |     |       |     |     |      |    |
|          | STD   | 00400 | 04.03 | 34.86  | 27.69   | 00.274  | 1473.4  |      |     |       |     |     |      |    |
|          | OBS   | 00401 | 04.03 | 34.860 | 27.69   |         | 1473.4  |      |     |       |     |     |      |    |
|          | OBS   | 00451 | 03.92 | 34.850 | 27.70   |         | 1473.8  |      |     |       |     |     |      |    |
|          | STD   | 00500 | 03.94 | 34.84  | 27.69   | 00.320  | 1474.6  |      |     |       |     |     |      |    |
|          | OBS   | 00515 | 03.95 | 34.840 | 27.69   |         | 1474.9  |      |     |       |     |     |      |    |
|          | OBS   | 00550 | 03.97 | 34.850 | 27.69   |         | 1475.6  |      |     |       |     |     |      |    |
|          | STD   | 00600 | 03.90 | 34.85  | 27.70   | 00.366  | 1476.1  |      |     |       |     |     |      |    |
|          | OBS   | 00601 | 03.90 | 34.850 | 27.70   |         | 1476.2  |      |     |       |     |     |      |    |
|          | OBS   | 00651 | 03.87 | 34.845 | 27.70   |         | 1476.8  |      |     |       |     |     |      |    |
|          | STD   | 00700 | 03.85 | 34.85  | 27.70   | 00.412  | 1477.6  |      |     |       |     |     |      |    |
|          | OBS   | 00700 | 03.85 | 34.850 | 27.70   |         | 1477.6  |      |     |       |     |     |      |    |
|          | OBS   | 00750 | 03.81 | 34.845 | 27.70   |         | 1478.2  |      |     |       |     |     |      |    |
|          | STD   | 00800 | 03.74 | 34.84  | 27.71   | 00.459  | 1478.8  |      |     |       |     |     |      |    |
|          | OBS   | 00801 | 03.74 | 34.840 | 27.71   |         | 1478.8  |      |     |       |     |     |      |    |
|          | OBS   | 00850 | 03.78 | 34.860 | 27.72   |         | 1479.8  |      |     |       |     |     |      |    |
|          | STD   | 00900 | 03.69 | 34.85  | 27.72   | 00.506  | 1480.2  |      |     |       |     |     |      |    |
|          | OBS   | 00900 | 03.69 | 34.850 | 27.72   |         | 1480.2  |      |     |       |     |     |      |    |
|          | OBS   | 00953 | 03.76 | 34.953 | 27.80   |         | 1481.6  |      |     |       |     |     |      |    |
|          | STD   | 01000 | 03.79 | 34.94  | 27.78   | 00.550  | 1482.4  |      |     |       |     |     |      |    |
|          | OBS   | 01001 | 03.79 | 34.940 | 27.78   |         | 1482.5  |      |     |       |     |     |      |    |
|          | OBS   | 01020 | 03.77 | 34.940 | 27.78   |         | 1482.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 01922 | AIK TEMP 10.2   | DIR MGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0025    | MONTH 04  | SHIP EV     | WET BULB 09.9   | 00 0 X      | WIND-SPD 04 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 45.0N   | DAY 14    | DATA USE 1  | BAROMETR 1030.9 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 046 52.1W | HOUR 22.0 | AREA 05     | CLGUD T/A       | CL/TR       | WEATHER X1  | ORIG 011 626      | 1 SQUARE 56 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SAD VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.0        | STD   | 00000 | 04.21 | 33.26  | 26.40   | 00.000  | 1465.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.21 | 33.260 | 26.40   |         | 1465.5  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 04.06 | 33.242 | 26.41   |         | 1464.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.06 | 33.25  | 26.41   | 00.016  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.06 | 33.253 | 26.42   |         | 1464.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.03 | 33.26  | 26.43   | 00.033  | 1465.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.02 | 33.265 | 26.43   |         | 1465.0  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 03.96 | 33.260 | 26.43   |         | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.85 | 33.26  | 26.44   | 00.049  | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 03.64 | 33.253 | 26.46   |         | 1463.5  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 03.44 | 33.250 | 26.47   |         | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 01.96 | 33.572 | 26.85   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 01.27 | 33.763 | 27.06   |         | 1454.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.27 | 33.78  | 27.07   | 00.075  | 1454.2  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.28 | 33.810 | 27.09   |         | 1454.3  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 01.32 | 33.806 | 27.09   |         | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 01.78 | 33.945 | 27.17   |         | 1456.8  |      |     |       |     |     |      |    |
|             | STD   | 00073 | 02.01 | 34.08  | 27.26   | 00.097  | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.03 | 34.087 | 27.26   |         | 1458.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.40 | 34.26  | 27.35   | 00.117  | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.42 | 34.263 | 27.35   |         | 1461.6  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.87 | 34.40  | 27.44   | 00.135  | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.88 | 34.400 | 27.44   |         | 1463.3  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.28 | 34.49  | 27.48   | 00.151  | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 03.29 | 34.493 | 27.48   |         | 1465.6  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 03.56 | 34.610 | 27.54   |         | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00194 | 03.98 | 34.656 | 27.53   |         | 1469.5  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.00 | 34.67  | 27.54   | 00.181  | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 04.00 | 34.673 | 27.55   |         | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.07 | 34.750 | 27.60   |         | 1470.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.19 | 34.77  | 27.61   | 00.208  | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00255 | 04.21 | 34.780 | 27.61   |         | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00279 | 04.30 | 34.830 | 27.64   |         | 1472.5  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.20 | 34.85  | 27.66   | 00.233  | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.20 | 34.847 | 27.66   |         | 1472.4  |      |     |       |     |     |      |    |
|             | OBS   | 00338 | 03.87 | 34.830 | 27.69   |         | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.06 | 34.840 | 27.67   |         | 1472.7  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.11 | 34.85  | 27.68   | 00.279  | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 04.11 | 34.850 | 27.68   |         | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.00 | 34.850 | 27.69   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.02 | 34.83  | 27.67   | 00.327  | 1475.0  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.02 | 34.830 | 27.67   |         | 1475.0  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.50 | 34.850 | 27.70   |         | 1475.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 04.02 | 34.92  | 27.74   | 00.372  | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00609 | 04.05 | 34.930 | 27.75   |         | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.24 | 34.950 | 27.75   |         | 1478.5  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.12 | 34.95  | 27.76   | 00.414  | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.12 | 34.950 | 27.76   |         | 1478.9  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.15 | 34.960 | 27.76   |         | 1479.8  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.10 | 34.96  | 27.77   | 00.456  | 1480.4  |      |     |       |     |     |      |    |
|             | OBS   | 00803 | 04.10 | 34.960 | 27.77   |         | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.13 | 34.980 | 27.78   |         | 1481.4  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.96 | 34.96  | 27.78   | 00.498  | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.96 | 34.960 | 27.78   |         | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00953 | 03.89 | 34.950 | 27.78   |         | 1482.1  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.79 | 34.94  | 27.78   | 00.539  | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.79 | 34.940 | 27.78   |         | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 03.73 | 34.930 | 27.78   |         | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 01024 | 03.74 | 35.180 | 27.98   |         | 1483.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID .31 8371 | YEAR 1974 | BOTDP 01760 | ALR TEMP 08-5   | DIR MGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0026    | MONTH 06  | SHIP EV     | WET BULB 08-0   | 00 0 X      | WIND-SPD 00 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 56.0N   | DAY 15    | DATA USE 1  | BAROMETR 1031.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |
| LONG 047 14.0W | HOOR 00.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 627      | 1 SQUARE 57 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | OYNDPTH | SND VEL | OXYG | PD4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 00.7        | STD   | 00000 | 03.28  | 33.10  | 26.37   | 00.000  | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.28  | 33.10  | 26.37   |         | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 02.50  | 33.05  | 26.36   |         | 1459.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.73  | 33.11  | 26.42   | 00.016  | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.69  | 33.117 | 26.43   |         | 1458.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.71  | 33.12  | 26.43   | 00.033  | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.71  | 33.120 | 26.43   |         | 1459.1  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 02.45  | 33.11  | 26.45   |         | 1458.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.59  | 33.25  | 26.60   | 00.048  | 1456.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.82  | 33.26  | 26.61   |         | 1455.6  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 00.91  | 33.257 | 26.67   |         | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 00.05  | 33.460 | 26.88   |         | 1448.0  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | - 0.43 | 33.60  | 27.02   |         | 1446.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.41 | 33.60  | 27.02   | 00.073  | 1446.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.39 | 33.60  | 27.02   |         | 1446.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.09  | 33.84  | 27.19   | 00.097  | 1449.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 00.13  | 33.86  | 27.20   |         | 1449.6  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 00.96  | 34.127 | 27.37   |         | 1453.9  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 01.55  | 34.260 | 27.44   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | 01.84  | 34.310 | 27.45   |         | 1458.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.28  | 34.35  | 27.45   | 00.116  | 1460.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.63  | 34.390 | 27.45   |         | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | 03.61  | 34.520 | 27.45   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | 04.14  | 34.585 | 27.46   |         | 1468.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 04.30  | 34.62  | 27.47   | 00.132  | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 04.31  | 34.620 | 27.47   |         | 1469.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 04.53  | 34.76  | 27.51   | 00.147  | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 04.64  | 34.760 | 27.51   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00171 | 04.37  | 34.697 | 27.53   |         | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 04.46  | 34.737 | 27.55   |         | 1471.3  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.80  | 34.83  | 27.56   | 00.176  | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 04.82  | 34.830 | 27.56   |         | 1473.4  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 04.90  | 34.835 | 27.58   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.54  | 34.86  | 27.63   | 00.202  | 1473.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.53  | 34.840 | 27.63   |         | 1473.0  |      |     |       |     |     |      |    |
|             | OBS   | 00262 | 04.51  | 34.830 | 27.62   |         | 1473.1  |      |     |       |     |     |      |    |
|             | OBS   | 00270 | 04.26  | 34.790 | 27.61   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.18  | 34.780 | 27.61   |         | 1471.9  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 03.92  | 34.76  | 27.63   | 00.227  | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 03.51  | 34.760 | 27.63   |         | 1471.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.20  | 34.84  | 27.66   | 00.276  | 1474.1  |      |     |       |     |     |      |    |
|             | OBS   | 00407 | 04.21  | 34.840 | 27.66   |         | 1474.2  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 04.21  | 34.860 | 27.67   |         | 1475.0  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.08  | 34.86  | 27.68   | 00.324  | 1475.2  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.08  | 34.850 | 27.68   |         | 1475.3  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 04.01  | 34.850 | 27.69   |         | 1475.8  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.94  | 34.86  | 27.70   | 00.370  | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.94  | 34.860 | 27.70   |         | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.88  | 34.850 | 27.70   |         | 1476.9  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.87  | 34.86  | 27.71   | 00.416  | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00702 | 03.87  | 34.860 | 27.71   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.74  | 34.850 | 27.72   |         | 1478.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.72  | 34.85  | 27.72   | 00.462  | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.72  | 34.850 | 27.72   |         | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.69  | 34.850 | 27.72   |         | 1479.4  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.71  | 34.86  | 27.73   | 00.508  | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.71  | 34.860 | 27.73   |         | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00972 | 03.67  | 34.860 | 27.73   |         | 1481.4  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.60  | 34.86  | 27.73   | 00.554  | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.60  | 34.855 | 27.73   |         | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 01041 | 03.60  | 34.860 | 27.74   |         | 1482.2  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 01345 | AIR TEMP 06.6   | DIR HGT PER | WIND-DIR 08 | INST STO RECORDER | TEN SQ 1306 |
| CONSEC 0027    | MONTH 06  | SHIP EV     | WET BULB 06.6   | 00 0 X      | WIND-SPD 04 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 01.5N   | DAY 15    | DATA USE 1  | BAROMETR 1030.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 047 23.9W | HOOR 02.7 | AREA 05     | CLCUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 628      | 1 SQUARE 67 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | DOY G | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|---------|-------|--------|--------|---------|---------|---------|-------|-----|-------|-----|-----|------|----|
| 02.7        | STD     | 00000 | 02.76  | 33.25  | 26.53   | 00.000  | 1459.2  |       |     |       |     |     |      |    |
|             | OBS     | 00003 | 02.76  | 33.250 | 26.53   |         | 1459.3  |       |     |       |     |     |      |    |
|             | STD     | 00010 | 02.56  | 33.21  | 26.52   | 00.015  | 1458.4  |       |     |       |     |     |      |    |
|             | OBS     | 00011 | 02.51  | 33.214 | 26.52   |         | 1458.2  |       |     |       |     |     |      |    |
|             | STD     | 00020 | 02.22  | 33.25  | 26.58   | 00.030  | 1457.1  |       |     |       |     |     |      |    |
|             | OBS     | 00020 | 02.19  | 33.257 | 26.58   |         | 1457.1  |       |     |       |     |     |      |    |
|             | STD     | 00030 | 01.99  | 33.30  | 26.63   | 00.045  | 1456.4  |       |     |       |     |     |      |    |
|             | OBS     | 00034 | 01.91  | 33.340 | 26.67   |         | 1456.2  |       |     |       |     |     |      |    |
|             | OBS     | 00041 | 01.79  | 33.450 | 26.77   |         | 1455.5  |       |     |       |     |     |      |    |
|             | OBS     | 00049 | 00.44  | 33.457 | 26.86   |         | 1450.0  |       |     |       |     |     |      |    |
|             | STD     | 00050 | 00.42  | 33.46  | 26.86   | 00.071  | 1449.9  |       |     |       |     |     |      |    |
|             | OBS     | 00051 | 00.39  | 33.460 | 26.87   |         | 1449.8  |       |     |       |     |     |      |    |
|             | OBS     | 00055 | 00.52  | 33.460 | 26.86   |         | 1450.4  |       |     |       |     |     |      |    |
|             | OBS     | 00057 | - 0.52 | 33.470 | 26.92   |         | 1445.7  |       |     |       |     |     |      |    |
|             | OBS     | 00059 | - 0.69 | 33.597 | 27.03   |         | 1445.1  |       |     |       |     |     |      |    |
|             | OBS     | 00060 | - 0.63 | 33.600 | 27.03   |         | 1445.4  |       |     |       |     |     |      |    |
|             | OBS     | 00064 | - 0.38 | 33.610 | 27.02   |         | 1446.7  |       |     |       |     |     |      |    |
|             | OBS     | 00068 | - 0.45 | 33.737 | 27.13   |         | 1446.6  |       |     |       |     |     |      |    |
|             | STD     | 00075 | - 0.25 | 33.78  | 27.15   | 00.097  | 1447.7  |       |     |       |     |     |      |    |
|             | OBS     | 00076 | - 0.16 | 33.780 | 27.15   |         | 1448.1  |       |     |       |     |     |      |    |
|             | OBS     | 00079 | 00.25  | 33.790 | 27.14   |         | 1450.1  |       |     |       |     |     |      |    |
|             | STD     | 00100 | 00.54  | 34.00  | 27.29   | 00.119  | 1452.0  |       |     |       |     |     |      |    |
|             | OBS     | 00100 | 00.55  | 34.010 | 27.30   |         | 1452.1  |       |     |       |     |     |      |    |
|             | STD     | 00125 | 00.97  | 34.12  | 27.37   | 00.137  | 1454.5  |       |     |       |     |     |      |    |
|             | OBS     | 00127 | 01.02  | 34.140 | 27.37   |         | 1454.8  |       |     |       |     |     |      |    |
|             | STD     | 00150 | 01.55  | 34.31  | 27.47   | 00.154  | 1457.8  |       |     |       |     |     |      |    |
|             | OBS     | 00150 | 01.56  | 34.310 | 27.47   |         | 1457.9  |       |     |       |     |     |      |    |
|             | OBS     | 00175 | 01.81  | 34.400 | 27.53   |         | 1459.5  |       |     |       |     |     |      |    |
|             | STD     | 00200 | 01.94  | 34.41  | 27.52   | 00.184  | 1460.5  |       |     |       |     |     |      |    |
|             | OBS     | 00201 | 01.95  | 34.410 | 27.52   |         | 1460.6  |       |     |       |     |     |      |    |
|             | OBS     | 00228 | 02.06  | 34.480 | 27.57   |         | 1461.6  |       |     |       |     |     |      |    |
|             | STD     | 00250 | 02.39  | 34.50  | 27.63   | 00.211  | 1463.5  |       |     |       |     |     |      |    |
|             | OBS     | 00251 | 02.40  | 34.500 | 27.63   |         | 1463.6  |       |     |       |     |     |      |    |
|             | OBS     | 00276 | 02.56  | 34.620 | 27.65   |         | 1464.7  |       |     |       |     |     |      |    |
|             | STD     | 00300 | 02.67  | 34.65  | 27.66   | 00.235  | 1465.6  |       |     |       |     |     |      |    |
|             | OBS     | 00302 | 02.68  | 34.650 | 27.66   |         | 1465.7  |       |     |       |     |     |      |    |
|             | OBS     | 00384 | 03.13  | 34.750 | 27.70   |         | 1469.2  |       |     |       |     |     |      |    |
|             | STD     | 00400 | 03.23  | 34.75  | 27.66   | 00.280  | 1469.9  |       |     |       |     |     |      |    |
|             | OBS     | 00413 | 03.31  | 34.760 | 27.69   |         | 1470.4  |       |     |       |     |     |      |    |
|             | OBS     | 00451 | 03.49  | 34.780 | 27.69   |         | 1471.8  |       |     |       |     |     |      |    |
|             | OBS     | 00462 | 03.52  | 34.780 | 27.66   |         | 1472.2  |       |     |       |     |     |      |    |
|             | OBS     | 00491 | 03.71  | 34.830 | 27.70   |         | 1473.5  |       |     |       |     |     |      |    |
|             | STD     | 00500 | 03.74  | 34.83  | 27.70   | 00.325  | 1473.8  |       |     |       |     |     |      |    |
|             | OBS     | 00500 | 03.74  | 34.830 | 27.70   |         | 1473.8  |       |     |       |     |     |      |    |
|             | OBS     | 00550 | 03.77  | 34.840 | 27.70   |         | 1474.7  |       |     |       |     |     |      |    |
|             | STD     | 00600 | 03.84  | 34.84  | 27.70   | 00.370  | 1475.5  |       |     |       |     |     |      |    |
|             | OBS     | 00622 | 03.85  | 34.840 | 27.70   |         | 1476.3  |       |     |       |     |     |      |    |
|             | OBS     | 00651 | 03.85  | 34.840 | 27.70   |         | 1476.8  |       |     |       |     |     |      |    |
|             | STD     | 00700 | 03.79  | 34.84  | 27.70   | 00.417  | 1477.3  |       |     |       |     |     |      |    |
|             | OBS     | 00700 | 03.79  | 34.840 | 27.70   |         | 1477.3  |       |     |       |     |     |      |    |
|             | OBS     | 00750 | 03.76  | 34.840 | 27.71   |         | 1478.0  |       |     |       |     |     |      |    |
|             | STD     | 00800 | 03.73  | 34.84  | 27.71   | 00.463  | 1478.7  |       |     |       |     |     |      |    |
|             | OBS     | 00801 | 03.73  | 34.840 | 27.71   |         | 1478.8  |       |     |       |     |     |      |    |
|             | OBS     | 00852 | 03.70  | 34.840 | 27.71   |         | 1479.5  |       |     |       |     |     |      |    |
|             | STD     | 00900 | 03.65  | 34.84  | 27.72   | 00.510  | 1480.1  |       |     |       |     |     |      |    |
|             | OBS     | 00900 | 03.65  | 34.840 | 27.72   |         | 1480.1  |       |     |       |     |     |      |    |
|             | OBS     | 00951 | 03.62  | 34.840 | 27.72   |         | 1480.8  |       |     |       |     |     |      |    |
|             | STD     | 01000 | 03.60  | 34.85  | 27.73   | 00.556  | 1481.5  |       |     |       |     |     |      |    |
|             | OBS     | 01001 | 03.60  | 34.850 | 27.73   |         | 1481.5  |       |     |       |     |     |      |    |
|             | OBS     | 01020 | 03.60  | 34.850 | 27.73   |         | 1481.9  |       |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00365 | AIR TEMP 05.5    | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0028    | MONTH 06  | SHIP EV     | WET BULB 05.5    | 00 0 X      | WIND-SPD 09 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 06.0N   | DAY 15    | DATA USE 1  | BAROMETER 1031.1 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 34.0W | HOOR 04.5 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 629      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 04.5        | STD   | 00000 | 03.19  | 32.78  | 26.12   | 00.000 | 1460.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.19  | 32.780 | 26.12   |        | 1460.5  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.17  | 32.780 | 26.12   |        | 1460.4  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 02.25  | 32.710 | 26.14   |        | 1456.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.20  | 32.72  | 26.15   | 00.019 | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 01.94  | 32.780 | 26.22   |        | 1455.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.93  | 32.90  | 26.32   | 00.037 | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.93  | 32.910 | 26.33   |        | 1455.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.83  | 33.04  | 26.44   | 00.053 | 1455.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.82  | 33.050 | 26.45   |        | 1455.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.46  | 33.09  | 26.50   | 00.085 | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.43  | 33.090 | 26.51   |        | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | 00.06  | 33.090 | 26.58   |        | 1447.8  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | - 0.34 | 33.270 | 26.75   |        | 1446.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.23 | 33.35  | 26.87   | 00.119 | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.27 | 33.390 | 26.88   |        | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | - 1.38 | 33.400 | 26.89   |        | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 1.08 | 33.450 | 26.92   |        | 1443.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.98 | 33.58  | 27.02   | 00.146 | 1444.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 0.97 | 33.590 | 27.03   |        | 1444.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.24 | 33.82  | 27.18   | 00.171 | 1448.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 0.22 | 33.820 | 27.19   |        | 1448.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 00.35  | 33.95  | 27.26   | 00.192 | 1451.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 00.36  | 33.950 | 27.26   |        | 1452.0  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.83  | 34.145 | 27.39   |        | 1454.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 01.13  | 34.15  | 27.38   | 00.230 | 1450.5  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 01.15  | 34.160 | 27.38   |        | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 01.47  | 34.297 | 27.47   |        | 1458.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 01.64  | 34.29  | 27.45   | 00.264 | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.65  | 34.290 | 27.45   |        | 1459.9  |      |     |       |     |     |      |    |
|             | OBS   | 00274 | 01.82  | 34.410 | 27.53   |        | 1461.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 01.99  | 34.42  | 27.53   | 00.295 | 1462.4  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.00  | 34.420 | 27.53   |        | 1462.4  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.22  | 34.490 | 27.57   |        | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 00361 | 02.33  | 34.505 | 27.57   |        | 1465.0  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00212 | AIR TEMP 05.0    | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0029    | MONTH 06  | SHIP EV     | WET BULB 05.0    | 00 0 X      | WIND-SPD 09 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 10.0N   | DAY 15    | DATA USE 1  | BAROMETER 1031.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 39.0W | HOOR 05.3 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 630      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 05.3        | STD   | 00000 | 02.51  | 32.71  | 26.12   | 00.000 | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 02.51  | 32.710 | 26.12   |        | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 02.50  | 32.700 | 26.12   |        | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 01.54  | 32.680 | 26.17   |        | 1453.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.52  | 32.69  | 26.18   | 00.019 | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.46  | 32.707 | 26.20   |        | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 01.42  | 32.770 | 26.25   |        | 1452.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.88  | 32.77  | 26.28   | 00.037 | 1450.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 00.84  | 32.770 | 26.30   |        | 1449.5  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 00.03  | 32.740 | 26.30   |        | 1446.7  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | - 1.18 | 33.037 | 26.56   |        | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 1.42 | 33.09  | 26.64   | 00.052 | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 1.45 | 33.390 | 26.64   |        | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.65 | 33.26  | 26.78   | 00.079 | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.66 | 33.260 | 26.78   |        | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | - 1.68 | 33.250 | 26.78   |        | 1439.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.61 | 33.39  | 26.89   | 00.110 | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.60 | 33.390 | 26.89   |        | 1440.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.37 | 33.46  | 26.94   | 00.138 | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.35 | 33.470 | 26.95   |        | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | - 1.11 | 33.600 | 27.05   |        | 1444.1  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | - 0.25 | 33.820 | 27.15   |        | 1448.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.22 | 33.81  | 27.18   | 00.144 | 1448.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 0.22 | 33.805 | 27.17   |        | 1448.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.07 | 33.82  | 27.18   | 00.186 | 1449.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.07 | 33.820 | 27.18   |        | 1449.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.07  | 33.900 | 27.24   |        | 1451.0  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 00.10  | 33.92  | 27.25   | 00.229 | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.15  | 33.930 | 27.26   |        | 1451.8  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 00.21  | 33.940 | 27.26   |        | 1452.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00184 | AIK TEMP 04.5   | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0030    | MONTH 06  | SHIP EV     | WET BULB 04.5   | 00 0 X      | WIND-SPD 09 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 11.2N   | DAY 15    | DATA USE 1  | BAROMETR 1031.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 42.8W | HOOR 06.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 631      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 06.7        | STD   | 00000 | 02.27  | 32.70  | 26.13   | 00.000 | 1456.3  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 02.27  | 32.700 | 26.13   |        | 1456.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.86  | 32.69  | 26.15   | 00.019 | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.76  | 32.685 | 26.16   |        | 1454.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.61  | 32.71  | 26.19   | 00.037 | 1453.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.48  | 32.710 | 26.20   |        | 1453.2  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 01.13  | 32.667 | 26.19   |        | 1451.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.22 | 32.90  | 26.44   | 00.055 | 1445.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.29 | 32.910 | 26.46   |        | 1445.6  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 0.84 | 33.035 | 26.58   |        | 1443.3  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | - 1.22 | 33.095 | 26.64   |        | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.62 | 33.25  | 26.77   | 00.083 | 1440.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.65 | 33.255 | 26.78   |        | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | - 1.72 | 33.260 | 26.79   |        | 1439.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.70 | 33.35  | 26.86   | 00.114 | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.70 | 33.360 | 26.87   |        | 1440.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.57 | 33.45  | 26.93   | 00.143 | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.56 | 33.450 | 26.94   |        | 1441.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.07 | 33.62  | 27.06   | 00.170 | 1444.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.06 | 33.620 | 27.06   |        | 1444.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.58 | 33.73  | 27.13   | 00.194 | 1447.3  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.58 | 33.735 | 27.13   |        | 1447.3  |      |     |       |     |     |      |    |
|             | OBS   | 00169 | - 0.56 | 33.738 | 27.13   |        | 1447.8  |      |     |       |     |     |      |    |

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00137 | AIK TEMP        | DIR HGT PER | WIND-DIR 95 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0031    | MONTH 06  | SHIP EV     | WET BULB        | 00 0 X      | WIND-SPD 08 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 15.8N   | DAY 15    | DATA USE 1  | BAROMETR 1031.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 52.2W | HOOR 07.5 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 632      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 07.5        | STD   | 00000 | 02.57  | 32.75  | 26.15   | 00.000 | 1457.7  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 02.57  | 32.755 | 26.15   |        | 1457.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 02.61  | 32.780 | 26.17   |        | 1457.9  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 01.88  | 32.735 | 26.19   |        | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 01.75  | 32.710 | 26.18   |        | 1454.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 01.83  | 32.77  | 26.22   | 00.018 | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.85  | 32.780 | 26.23   |        | 1454.7  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 01.88  | 32.790 | 26.23   |        | 1455.0  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 00.80  | 32.870 | 26.37   |        | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.68  | 32.89  | 26.39   | 00.036 | 1449.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 00.58  | 32.900 | 26.41   |        | 1449.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.21 | 33.00  | 26.53   | 00.051 | 1446.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.23 | 33.007 | 26.53   |        | 1446.0  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 0.27 | 33.006 | 26.53   |        | 1445.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | - 0.68 | 33.055 | 26.59   |        | 1444.0  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 1.07 | 33.100 | 26.64   |        | 1442.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.67 | 33.23  | 26.76   | 00.080 | 1439.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.72 | 33.240 | 26.77   |        | 1439.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.63 | 33.28  | 26.78   | 00.112 | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.63 | 33.280 | 26.78   |        | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | - 1.60 | 33.390 | 26.89   |        | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.44 | 33.42  | 26.90   | 00.142 | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | - 1.24 | 33.450 | 26.93   |        | 1443.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.13 | 33.46  | 26.93   | 00.170 | 1444.0  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.13 | 33.465 | 26.94   |        | 1444.0  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | - 1.13 | 33.460 | 26.93   |        | 1444.0  |      |     |       |     |     |      |    |

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00124 | AIK TEMP 04.8   | DIR HGT PER | WIND-DIR 00 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0032    | MONTH 06  | SHIP EV     | WET BULB 04.7   | 00 0 X      | WIND-SPD 00 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 46 18.2N   | DAY 15    | DATA USE 1  | BAROMETR 1031.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 56.1W | HOOR 08.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 633      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 08.0        | STD   | 00000 | 02.90  | 32.89  | 26.23   | 00.000 | 1459.3  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 02.90  | 32.890 | 26.23   |        | 1459.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.76  | 32.87  | 26.23   | 00.018 | 1458.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.72  | 32.870 | 26.23   |        | 1458.7  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 02.59  | 32.875 | 26.25   |        | 1458.2  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 02.18  | 32.860 | 26.28   |        | 1456.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.18  | 32.88  | 26.28   | 00.034 | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.18  | 32.880 | 26.28   |        | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.09  | 32.877 | 26.25   |        | 1456.1  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 01.52  | 32.875 | 26.33   |        | 1453.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.34  | 32.92  | 26.38   | 00.053 | 1453.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.32  | 32.925 | 26.38   |        | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.15  | 32.905 | 26.37   |        | 1452.4  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 00.54  | 32.920 | 26.42   |        | 1449.5  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.35 | 33.02  | 26.54   | 00.084 | 1445.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.60 | 33.027 | 26.56   |        | 1444.6  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | - 1.26 | 33.060 | 26.61   |        | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.74 | 33.25  | 26.78   | 00.119 | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.75 | 33.255 | 26.78   |        | 1440.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.68 | 33.35  | 26.86   | 00.150 | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.67 | 33.360 | 26.87   |        | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00116 | - 1.31 | 33.455 | 26.94   |        | 1443.0  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00227 | AIR TEMP 08.1   | DIR MGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0033    | MONTH 06  | SHIP EV     | WET BULB 07.8   | 25 1 2      | WIND-SPD 05 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.5N   | DAY 15    | DATA USE 1  | BAROMETR 1032.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 64 |
| LONG 045 52.0W | HOUR 17.1 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 634      | 1 SQUARE 75 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OKYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 17.1        | STD   | 00000 | 04.96 | 33.19  | 26.27   | 00.000  | 1468.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 04.96 | 33.195 | 26.27   |         | 1468.4  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 05.04 | 33.230 | 26.29   |         | 1468.9  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 04.16 | 33.114 | 26.29   |         | 1465.1  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 04.01 | 33.110 | 26.31   |         | 1464.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.93 | 33.12  | 26.32   | 00.017  | 1464.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.89 | 33.120 | 26.33   |         | 1464.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.83 | 33.18  | 26.38   | 00.034  | 1464.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.76 | 33.21  | 26.41   | 00.051  | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 03.74 | 33.215 | 26.42   |         | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.53 | 33.210 | 26.43   |         | 1463.1  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 02.76 | 33.260 | 26.54   |         | 1459.9  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 02.01 | 33.383 | 26.70   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 01.61 | 33.590 | 26.89   |         | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 01.36 | 33.665 | 26.96   |         | 1455.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.58 | 33.69  | 26.98   | 00.078  | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.63 | 33.750 | 27.02   |         | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | 01.82 | 34.000 | 27.21   |         | 1457.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.37 | 34.06  | 27.21   | 00.102  | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.42 | 34.067 | 27.21   |         | 1460.1  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 02.44 | 34.080 | 27.22   |         | 1460.3  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 02.33 | 34.080 | 27.23   |         | 1459.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.21 | 34.09  | 27.25   | 00.124  | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.21 | 34.090 | 27.25   |         | 1459.6  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.44 | 34.27  | 27.37   | 00.143  | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.47 | 34.270 | 27.37   |         | 1461.4  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 02.70 | 34.280 | 27.36   |         | 1462.5  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 02.79 | 34.40  | 27.44   | 00.160  | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 02.81 | 34.400 | 27.45   |         | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00158 | 03.29 | 34.506 | 27.48   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 03.96 | 34.630 | 27.52   |         | 1469.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.43 | 34.77  | 27.56   | 00.190  | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 04.44 | 34.774 | 27.56   |         | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00211 | 04.42 | 34.760 | 27.57   |         | 1471.8  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00322 | AIR TEMP 08.0   | DIR MGT PER | WIND-DIR 15 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0034    | MONTH 06  | SHIP EV     | WET BULB 07.3   | 49 1 2      | WIND-SPD 09 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.9N   | DAY 15    | DATA USE 1  | BAROMETR 1031.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 046 06.5W | HOUR 18.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 635      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OKYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 18.2        | STD   | 00000 | 04.51 | 33.12  | 26.26   | 00.000  | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.51 | 33.120 | 26.26   |         | 1466.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.95 | 33.11  | 26.31   | 00.017  | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.94 | 33.110 | 26.31   |         | 1464.2  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 04.12 | 33.190 | 26.36   |         | 1465.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.00 | 33.24  | 26.41   | 00.034  | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.99 | 33.250 | 26.42   |         | 1464.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.96 | 33.25  | 26.43   | 00.050  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.96 | 33.255 | 26.43   |         | 1464.8  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.85 | 33.245 | 26.43   |         | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 03.70 | 33.220 | 26.42   |         | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 03.38 | 33.250 | 26.48   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 03.29 | 33.245 | 26.48   |         | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 02.73 | 33.217 | 26.51   |         | 1459.8  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 02.02 | 33.480 | 26.78   |         | 1457.1  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 01.82 | 33.620 | 26.90   |         | 1456.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.84 | 33.67  | 26.94   | 00.078  | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 01.88 | 33.787 | 27.03   |         | 1456.9  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 01.90 | 33.890 | 27.11   |         | 1457.2  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 01.55 | 33.940 | 27.18   |         | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | 01.71 | 34.000 | 27.22   |         | 1456.8  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.29 | 34.10  | 27.25   | 00.102  | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.49 | 34.140 | 27.27   |         | 1460.5  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.54 | 34.13  | 27.27   | 00.123  | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.54 | 34.150 | 27.27   |         | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | 02.81 | 34.260 | 27.33   |         | 1462.5  |      |     |       |     |     |      |    |
|             | OBS   | 00110 | 03.26 | 34.290 | 27.32   |         | 1464.6  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | 03.04 | 34.280 | 27.33   |         | 1463.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.18 | 34.30  | 27.33   | 00.142  | 1464.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 03.20 | 34.305 | 27.33   |         | 1464.6  |      |     |       |     |     |      |    |
|             | OBS   | 00137 | 03.26 | 34.430 | 27.43   |         | 1465.2  |      |     |       |     |     |      |    |
|             | OBS   | 00140 | 03.53 | 34.490 | 27.45   |         | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | 03.36 | 34.491 | 27.45   |         | 1466.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.61 | 34.49  | 27.45   | 00.160  | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 03.68 | 34.495 | 27.44   |         | 1467.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 04.08 | 34.630 | 27.51   |         | 1469.6  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.45 | 34.75  | 27.56   | 00.191  | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 04.46 | 34.750 | 27.56   |         | 1471.8  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 04.27 | 34.760 | 27.59   |         | 1471.4  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.04 | 34.77  | 27.62   | 00.217  | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 04.03 | 34.775 | 27.63   |         | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.01 | 34.845 | 27.68   |         | 1471.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 03.99 | 34.84  | 27.68   | 00.241  | 1471.5  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 03.99 | 34.840 | 27.68   |         | 1471.6  |      |     |       |     |     |      |    |
|             | OBS   | 00314 | 03.97 | 34.840 | 27.69   |         | 1471.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BCTDP 01304 | AIR TEMP 07.2   | DIR HGT PER | WIND-DIR 11 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0035    | MONTH 06  | SHIP EV     | WET BULB 07.0   | 24 1 2      | WIND-SPD 05 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 00.5N   | DAY 15    | DATA USE 1  | BAROMETR 1033.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 046 16.5W | HOOR 19.4 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG C11 636      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 19.4        | STD   | 00000 | 04.60 | 33.21  | 26.32   | 00.000  | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 04.60 | 33.210 | 26.32   |         | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.48 | 33.230 | 26.35   |         | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 04.03 | 33.165 | 26.35   |         | 1464.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.01 | 33.19  | 26.37   | 00.017  | 1464.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.96 | 33.240 | 26.41   |         | 1464.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.89 | 33.28  | 26.44   | 00.033  | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.88 | 33.280 | 26.44   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 03.77 | 33.270 | 26.46   |         | 1464.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.16 | 33.45  | 26.66   | 00.048  | 1461.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.06 | 33.480 | 26.69   |         | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 02.24 | 33.695 | 26.93   |         | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 02.07 | 33.815 | 27.04   |         | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.04 | 33.930 | 27.13   |         | 1457.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.15 | 34.05  | 27.22   | 00.071  | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.17 | 34.070 | 27.24   |         | 1458.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.30 | 34.14  | 27.28   | 00.092  | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.31 | 34.140 | 27.28   |         | 1459.7  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 02.54 | 34.205 | 27.31   |         | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | 02.86 | 34.250 | 27.32   |         | 1462.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.85 | 34.26  | 27.33   | 00.111  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.85 | 34.260 | 27.33   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00121 | 02.64 | 34.295 | 27.36   |         | 1463.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.50 | 34.32  | 27.37   | 00.130  | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | 02.96 | 34.340 | 27.38   |         | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00144 | 03.49 | 34.430 | 27.41   |         | 1466.3  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.51 | 34.43  | 27.41   | 00.147  | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 03.51 | 34.435 | 27.41   |         | 1466.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 03.35 | 34.510 | 27.48   |         | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00196 | 03.71 | 34.630 | 27.54   |         | 1468.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.86 | 34.64  | 27.55   | 00.179  | 1469.1  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 03.52 | 34.640 | 27.55   |         | 1469.4  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 03.81 | 34.650 | 27.55   |         | 1469.3  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | 03.61 | 34.645 | 27.57   |         | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00239 | 03.78 | 34.740 | 27.62   |         | 1469.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 03.85 | 34.77  | 27.64   | 00.206  | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 03.85 | 34.770 | 27.64   |         | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00274 | 03.76 | 34.787 | 27.66   |         | 1470.1  |      |     |       |     |     |      |    |
|             | OBS   | 00285 | 03.89 | 34.845 | 27.70   |         | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00298 | 03.94 | 34.830 | 27.68   |         | 1471.3  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BCTDP 00371 | AIR TEMP 07.4   | DIR HGT PER | WIND-DIR 14 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0036    | MONTH 06  | SHIP EV     | WET BULB 07.0   | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 01.0N   | DAY 15    | DATA USE 1  | BAROMETR 1031.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 046 33.2W | HOOR 21.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG C11 637      | 1 SQUARE 76 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 21.0        | STD   | 00000 | 05.26 | 33.26  | 26.29   | 00.000  | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 05.26 | 33.260 | 26.29   |         | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 05.20 | 33.260 | 26.30   |         | 1469.6  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 04.51 | 33.224 | 26.34   |         | 1466.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.35 | 33.25  | 26.38   | 00.017  | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.28 | 33.260 | 26.40   |         | 1465.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.25 | 33.26  | 26.40   | 00.033  | 1465.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.24 | 33.260 | 26.40   |         | 1465.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.21 | 33.35  | 26.48   | 00.049  | 1466.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.15 | 33.360 | 26.49   |         | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 03.48 | 33.403 | 26.59   |         | 1463.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.21 | 33.77  | 26.99   | 00.076  | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.15 | 33.800 | 27.02   |         | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | 02.01 | 34.037 | 27.22   |         | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 02.21 | 34.044 | 27.22   |         | 1459.1  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | 02.04 | 34.055 | 27.23   |         | 1458.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.05 | 34.07  | 27.24   | 00.100  | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.06 | 34.080 | 27.25   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 02.43 | 34.260 | 27.37   |         | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.73 | 34.30  | 27.37   | 00.119  | 1462.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.79 | 34.310 | 27.38   |         | 1462.4  |      |     |       |     |     |      |    |
|             | OBS   | 00110 | 02.45 | 34.260 | 27.36   |         | 1461.0  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.62 | 34.28  | 27.37   | 00.137  | 1462.0  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.62 | 34.285 | 27.37   |         | 1462.1  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 02.69 | 34.386 | 27.44   |         | 1462.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.01 | 34.43  | 27.45   | 00.155  | 1464.3  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 03.02 | 34.430 | 27.45   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 02.85 | 34.480 | 27.51   |         | 1464.2  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.10 | 34.61  | 27.59   | 00.184  | 1465.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 03.12 | 34.620 | 27.59   |         | 1465.9  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 03.38 | 34.640 | 27.58   |         | 1467.4  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.42 | 34.82  | 27.62   | 00.210  | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00257 | 04.48 | 34.836 | 27.62   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00258 | 04.48 | 34.830 | 27.62   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 04.44 | 34.860 | 27.63   |         | 1473.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.39 | 34.89  | 27.68   | 00.234  | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 04.38 | 34.895 | 27.68   |         | 1473.5  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 04.27 | 34.940 | 27.73   |         | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00356 | 04.15 | 34.950 | 27.75   |         | 1473.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                  |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BDTDP 01097 | AIR TEMP 06.8   | DIR HGT PER | WIND-DIR 00 | INST STO RECORDE | TEA SQ 1304 |
| CONSEC 0037    | MONTH 06  | SHIP EV     | BULB 06.8       | DD 0 X      | WIND-SPD 00 | TRACE DIR        | 5 SQUARE 4  |
| LAT 47 00.8N   | DAY 15    | DATA USE 1  | BAROMETR 1031.0 | SEA         | WIND-FOR    | DURATION 00.3    | 2 SQUARE 66 |
| LONG 046 41.8W | HOOR 21.8 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X6  | CRIG 011 438     | 1 SQUARE 76 |

|      |     |       |     |     |       |       |       |         |         |        |     |      |     |     |   |     |     |      |    |
|------|-----|-------|-----|-----|-------|-------|-------|---------|---------|--------|-----|------|-----|-----|---|-----|-----|------|----|
| CAS  | NUM | TIME  | LVL | TYP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNDPTH | SND    | VEL | ORVG | PO4 | YCT | P | ND2 | ND3 | SIO3 | PH |
|      | STD | 00000 |     |     | 04.15 | 33.17 | 26.34 |         | 00.000  | 1465.0 |     |      |     |     |   |     |     |      |    |
| 21.8 | OBS | 00003 |     |     | 04.15 | 33.17 | 26.34 |         |         | 1465.1 |     |      |     |     |   |     |     |      |    |
|      | STD | 00010 |     |     | 03.86 | 33.25 | 26.44 |         | 00.016  | 1464.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00011 |     |     | 03.83 | 33.27 | 26.45 |         |         | 1464.0 |     |      |     |     |   |     |     |      |    |
|      | STD | 00020 |     |     | 04.00 | 33.35 | 26.50 |         | 00.032  | 1465.0 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00020 |     |     | 04.01 | 33.35 | 26.50 |         |         | 1465.0 |     |      |     |     |   |     |     |      |    |
|      | STD | 00030 |     |     | 04.00 | 33.34 | 26.49 |         | 00.048  | 1465.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00030 |     |     | 03.94 | 33.34 | 26.50 |         |         | 1464.9 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00036 |     |     | 02.74 | 33.30 | 26.57 |         |         | 1459.8 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00038 |     |     | 02.61 | 33.38 | 26.65 |         |         | 1459.3 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00041 |     |     | 01.77 | 33.32 | 26.67 |         |         | 1455.6 |     |      |     |     |   |     |     |      |    |
|      | STD | 00050 |     |     | 00.68 | 33.54 | 26.91 |         | 00.075  | 1451.2 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00051 |     |     | 00.52 | 33.57 | 26.95 |         |         | 1450.5 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00055 |     |     | 00.11 | 33.66 | 27.04 |         |         | 1448.8 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00060 |     |     | 00.30 | 33.83 | 27.17 |         |         | 1450.0 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00064 |     |     | 00.84 | 33.86 | 27.16 |         |         | 1452.6 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00068 |     |     | 00.87 | 33.91 | 27.20 |         |         | 1452.9 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00070 |     |     | 01.12 | 33.96 | 27.23 |         |         | 1454.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00072 |     |     | 01.05 | 33.99 | 27.25 |         |         | 1453.8 |     |      |     |     |   |     |     |      |    |
|      | STD | 00075 |     |     | 01.38 | 34.02 | 27.25 |         | 00.099  | 1455.4 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00076 |     |     | 01.45 | 34.04 | 27.27 |         |         | 1455.8 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00078 |     |     | 01.50 | 34.09 | 27.30 |         |         | 1456.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00079 |     |     | 01.76 | 34.10 | 27.30 |         |         | 1457.3 |     |      |     |     |   |     |     |      |    |
|      | STD | 00100 |     |     | 02.32 | 34.21 | 27.34 |         | 00.119  | 1460.2 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00102 |     |     | 02.40 | 34.23 | 27.35 |         |         | 1460.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00108 |     |     | 01.29 | 34.17 | 27.38 |         |         | 1455.8 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00112 |     |     | 02.67 | 34.34 | 27.41 |         |         | 1462.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00118 |     |     | 02.93 | 34.38 | 27.42 |         |         | 1463.4 |     |      |     |     |   |     |     |      |    |
|      | STD | 00125 |     |     | 03.03 | 34.41 | 27.44 |         | 00.137  | 1464.0 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00125 |     |     | 03.04 | 34.41 | 27.44 |         |         | 1464.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00131 |     |     | 03.11 | 34.43 | 27.44 |         |         | 1464.5 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00137 |     |     | 02.09 | 34.33 | 27.45 |         |         | 1460.0 |     |      |     |     |   |     |     |      |    |
|      | STD | 00150 |     |     | 02.14 | 34.43 | 27.53 |         | 00.152  | 1460.6 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00150 |     |     | 02.14 | 34.43 | 27.53 |         |         | 1460.6 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00175 |     |     | 01.91 | 34.46 | 27.57 |         |         | 1460.0 |     |      |     |     |   |     |     |      |    |
|      | STD | 00200 |     |     | 01.92 | 34.49 | 27.59 |         | 00.180  | 1460.5 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00201 |     |     | 01.92 | 34.49 | 27.59 |         |         | 1460.5 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00226 |     |     | 02.25 | 34.59 | 27.64 |         |         | 1462.5 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00245 |     |     | 02.54 | 34.62 | 27.64 |         |         | 1464.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00249 |     |     | 02.82 | 34.66 | 27.65 |         |         | 1465.5 |     |      |     |     |   |     |     |      |    |
|      | STD | 00250 |     |     | 02.84 | 34.67 | 27.65 |         | 00.204  | 1465.6 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00253 |     |     | 02.92 | 34.69 | 27.67 |         |         | 1466.0 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00276 |     |     | 03.18 | 34.71 | 27.66 |         |         | 1467.5 |     |      |     |     |   |     |     |      |    |
|      | STD | 00300 |     |     | 03.33 | 34.75 | 27.67 |         | 00.227  | 1468.6 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00300 |     |     | 03.34 | 34.75 | 27.68 |         |         | 1468.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00350 |     |     | 03.71 | 34.83 | 27.70 |         |         | 1471.2 |     |      |     |     |   |     |     |      |    |
|      | STD | 00400 |     |     | 04.00 | 34.89 | 27.72 |         | 00.271  | 1473.3 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00401 |     |     | 04.01 | 34.89 | 27.72 |         |         | 1473.4 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00451 |     |     | 04.68 | 34.90 | 27.72 |         |         | 1474.5 |     |      |     |     |   |     |     |      |    |
|      | STD | 00500 |     |     | 03.93 | 34.91 | 27.74 |         | 00.312  | 1474.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00502 |     |     | 03.92 | 34.91 | 27.74 |         |         | 1474.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00550 |     |     | 03.87 | 34.91 | 27.75 |         |         | 1475.3 |     |      |     |     |   |     |     |      |    |
|      | STD | 00600 |     |     | 03.83 | 34.91 | 27.75 |         | 00.353  | 1475.9 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00601 |     |     | 03.83 | 34.91 | 27.75 |         |         | 1475.9 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00651 |     |     | 03.81 | 34.91 | 27.76 |         |         | 1476.7 |     |      |     |     |   |     |     |      |    |
|      | STD | 00700 |     |     | 03.79 | 34.91 | 27.76 |         | 00.395  | 1477.4 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00700 |     |     | 03.79 | 34.91 | 27.76 |         |         | 1477.4 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00750 |     |     | 03.76 | 34.91 | 27.76 |         |         | 1478.1 |     |      |     |     |   |     |     |      |    |
|      | STD | 00800 |     |     | 03.71 | 34.91 | 27.77 |         | 00.436  | 1478.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00801 |     |     | 03.71 | 34.91 | 27.77 |         |         | 1478.8 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00850 |     |     | 03.67 | 34.91 | 27.77 |         |         | 1479.4 |     |      |     |     |   |     |     |      |    |
|      | STD | 00900 |     |     | 03.63 | 34.91 | 27.77 |         | 00.477  | 1480.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00900 |     |     | 03.63 | 34.91 | 27.77 |         |         | 1480.1 |     |      |     |     |   |     |     |      |    |
|      | OBS | 00951 |     |     | 03.62 | 34.91 | 27.78 |         |         | 1480.9 |     |      |     |     |   |     |     |      |    |
|      | STD | 01000 |     |     | 03.61 | 34.91 | 27.78 |         | 00.519  | 1481.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 01001 |     |     | 03.61 | 34.91 | 27.78 |         |         | 1481.7 |     |      |     |     |   |     |     |      |    |
|      | OBS | 01024 |     |     | 03.59 | 34.91 | 27.78 |         |         | 1482.0 |     |      |     |     |   |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 01057 | AIR TEMP 06.8   | DIR MGT PER | WIND-DIR 16 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0038    | MONTH 06  | SHIP EV     | WET BULB 06.8   | 00 0 X      | WIND-SPD 08 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 47 00.8N   | DAY 16    | DATA USE 1  | BAROMETR 1033.1 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 047 06.0W | MOUR 00.1 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 639      | 1 SQUARE 77 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 00.1        | STD   | 00000 | 03.45  | 33.02  | 26.26   | 00.000 | 1461.9  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.45  | 33.017 | 26.29   |        | 1461.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.86  | 32.96  | 26.30   | 00.017 | 1459.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.83  | 32.967 | 26.30   |        | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 02.30  | 32.976 | 26.35   |        | 1457.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.15  | 33.11  | 26.47   | 00.034 | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.15  | 33.136 | 26.49   |        | 1456.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.03  | 33.28  | 26.62   | 00.049 | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.02  | 33.290 | 26.62   |        | 1456.5  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 01.50  | 33.343 | 26.68   |        | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.02  | 33.350 | 26.80   |        | 1447.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.09  | 33.48  | 26.90   | 00.075 | 1446.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.10  | 33.510 | 26.92   |        | 1446.5  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 0.71 | 33.707 | 27.12   |        | 1445.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 0.67 | 33.71  | 27.11   | 00.101 | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 0.65 | 33.710 | 27.12   |        | 1445.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 00.11  | 33.94  | 27.26   | 00.123 | 1450.0  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 00.13  | 33.943 | 27.27   |        | 1450.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 00.56  | 34.08  | 27.35   | 00.143 | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 00.57  | 34.080 | 27.35   |        | 1452.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 00.58  | 34.19  | 27.42   | 00.160 | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 00.99  | 34.193 | 27.42   |        | 1455.1  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 01.43  | 34.330 | 27.50   |        | 1457.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 01.73  | 34.40  | 27.54   | 00.191 | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 01.75  | 34.410 | 27.54   |        | 1459.7  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.04  | 34.497 | 27.56   |        | 1461.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.46  | 34.60  | 27.63   | 00.216 | 1463.8  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 02.47  | 34.600 | 27.63   |        | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 02.53  | 34.650 | 27.67   |        | 1464.7  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.68  | 34.66  | 27.67   | 00.241 | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.68  | 34.660 | 27.67   |        | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.61  | 34.720 | 27.70   |        | 1467.2  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.24  | 34.79  | 27.72   | 00.284 | 1469.9  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.25  | 34.793 | 27.72   |        | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.65  | 34.665 | 27.73   |        | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.78  | 34.86  | 27.74   | 00.326 | 1474.0  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 03.78  | 34.880 | 27.74   |        | 1474.0  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 03.91  | 34.910 | 27.75   |        | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.67  | 34.91  | 27.75   | 00.367 | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.67  | 34.910 | 27.75   |        | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.82  | 34.910 | 27.75   |        | 1476.7  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.78  | 34.91  | 27.76   | 00.409 | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00702 | 03.78  | 34.910 | 27.76   |        | 1477.4  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.72  | 34.910 | 27.77   |        | 1478.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.67  | 34.91  | 27.77   | 00.450 | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.67  | 34.910 | 27.77   |        | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.63  | 34.910 | 27.77   |        | 1479.3  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.60  | 34.91  | 27.78   | 00.491 | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.60  | 34.910 | 27.78   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.56  | 34.920 | 27.79   |        | 1480.7  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.56  | 34.92  | 27.79   | 00.531 | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.56  | 34.920 | 27.79   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 03.55  | 34.920 | 27.79   |        | 1481.8  |      |     |       |     |     |      |    |

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00376 | AIR TEMP 05.2   | DIR MGT PER | WIND-DIR 16 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0039    | MONTH 06  | SHIP EV     | WET BULB 05.2   | 00 0 X      | WIND-SPD 05 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 59.2N   | DAY 16    | DATA USE 1  | BAROMETR 1029.1 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 20.0W | MOUR 01.8 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 640      | 1 SQUARE 67 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 01.8        | STD   | 00000 | 02.47  | 32.81  | 26.21   | 00.000 | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 02.47  | 32.810 | 26.21   |        | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 02.48  | 32.810 | 26.21   |        | 1457.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.11  | 32.84  | 26.25   | 00.018 | 1455.9  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.04  | 32.850 | 26.27   |        | 1455.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.58  | 33.01  | 26.43   | 00.035 | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.55  | 33.020 | 26.44   |        | 1453.9  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 01.45  | 33.040 | 26.46   |        | 1453.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 00.28  | 32.94  | 26.45   | 00.051 | 1448.2  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 00.19  | 32.940 | 26.46   |        | 1447.8  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 0.86 | 33.130 | 26.66   |        | 1443.2  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | - 0.58 | 33.290 | 26.77   |        | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | - 0.54 | 33.276 | 26.76   |        | 1445.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.87 | 33.27  | 26.77   | 00.080 | 1443.7  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.02 | 33.276 | 26.77   |        | 1443.0  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 1.26 | 33.320 | 26.82   |        | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | - 1.54 | 33.400 | 26.89   |        | 1441.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.44 | 33.47  | 26.99   | 00.109 | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.42 | 33.480 | 26.96   |        | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.87 | 33.66  | 27.09   | 00.136 | 1445.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 0.84 | 33.676 | 27.09   |        | 1445.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.02 | 33.91  | 27.25   | 00.158 | 1449.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 0.01 | 33.915 | 27.25   |        | 1449.8  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 00.26  | 33.97  | 27.28   | 00.179 | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 00.26  | 33.970 | 27.28   |        | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 00.41  | 34.000 | 27.30   |        | 1452.7  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 00.57  | 34.05  | 27.33   | 00.217 | 1453.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.58  | 34.050 | 27.33   |        | 1453.9  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 00.81  | 34.140 | 27.39   |        | 1453.5  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 01.20  | 34.26  | 27.46   | 00.252 | 1457.8  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.23  | 34.265 | 27.46   |        | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 01.77  | 34.410 | 27.54   |        | 1461.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 01.92  | 34.45  | 27.56   | 00.282 | 1462.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 01.93  | 34.450 | 27.56   |        | 1462.2  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.29  | 34.590 | 27.64   |        | 1464.7  |      |     |       |     |     |      |    |
|             | OBS   | 00367 | 02.71  | 34.650 | 27.66   |        | 1466.9  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00212 | AIR TEMP 06.0   | DIR HGT PER | WIND-DIR 14 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0040    | MONTH 06  | SHIP EV     | WET BULB 05.8   | 00 0 X      | WIND-SPD 14 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 46 58.3N   | DAY 16    | DATA USE 1  | BAROMETR 1027.4 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 31.0W | HOUR 03.0 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 641      | 1 SQUARE 67 |

| CASHTNUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN/DPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|---------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 03.0          | STD     | 00000 | 02.85  | 32.65  | 26.05   | 00.000   | 1458.8  |      |     |       |     |     |      |    |
|               | OBS     | 00001 | 02.85  | 32.650 | 26.05   |          | 1458.8  |      |     |       |     |     |      |    |
|               | OBS     | 00005 | 02.85  | 32.650 | 26.05   |          | 1458.9  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 02.04  | 32.57  | 26.05   | 00.020   | 1455.3  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 01.85  | 32.560 | 26.05   |          | 1454.4  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 01.64  | 32.63  | 26.12   | 00.039   | 1453.7  |      |     |       |     |     |      |    |
|               | OBS     | 00022 | 01.38  | 32.640 | 26.14   |          | 1453.5  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 01.49  | 32.64  | 26.14   | 00.058   | 1453.3  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 01.44  | 32.645 | 26.15   |          | 1453.1  |      |     |       |     |     |      |    |
|               | OBS     | 00032 | 01.19  | 32.663 | 26.18   |          | 1452.0  |      |     |       |     |     |      |    |
|               | OBS     | 00036 | 00.57  | 32.700 | 26.25   |          | 1449.3  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | - 1.01 | 33.000 | 26.56   |          | 1442.5  |      |     |       |     |     |      |    |
|               | OBS     | 00041 | - 1.39 | 33.053 | 26.61   |          | 1440.8  |      |     |       |     |     |      |    |
|               | STD     | 00050 | - 1.63 | 33.23  | 26.76   | 00.090   | 1440.0  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | - 1.66 | 33.243 | 26.77   |          | 1440.0  |      |     |       |     |     |      |    |
|               | OBS     | 00064 | - 1.73 | 33.286 | 26.80   |          | 1439.9  |      |     |       |     |     |      |    |
|               | STD     | 00075 | - 1.69 | 33.32  | 26.83   | 00.121   | 1440.3  |      |     |       |     |     |      |    |
|               | OBS     | 00078 | - 1.88 | 33.327 | 26.84   |          | 1440.4  |      |     |       |     |     |      |    |
|               | STD     | 00100 | - 1.57 | 33.41  | 26.90   | 00.151   | 1441.4  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | - 1.56 | 33.413 | 26.91   |          | 1441.5  |      |     |       |     |     |      |    |
|               | STD     | 00125 | - 1.21 | 33.52  | 26.98   | 00.179   | 1443.7  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | - 1.20 | 33.525 | 26.99   |          | 1443.7  |      |     |       |     |     |      |    |
|               | STD     | 00150 | - 0.51 | 33.74  | 27.13   | 00.204   | 1447.7  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | - 0.50 | 33.740 | 27.13   |          | 1447.7  |      |     |       |     |     |      |    |
|               | OBS     | 00177 | 00.11  | 33.883 | 27.22   |          | 1451.2  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 00.12  | 33.88  | 27.22   | 00.249   | 1451.6  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 00.12  | 33.880 | 27.22   |          | 1451.6  |      |     |       |     |     |      |    |
|               | OBS     | 00205 | 00.12  | 33.883 | 27.22   |          | 1451.7  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00160 | AIR TEMP 06.0   | DIR HGT PER | WIND-DIR 14 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0041    | MONTH 06  | SHIP EV     | WET BULB 05.8   | 00 0 X      | WIND-SPD 14 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 47 00.5N   | DAY 16    | DATA USE 1  | BAROMETR 1024.5 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 66 |
| LONG 047 53.3W | HOUR 04.7 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 642      | 1 SQUARE 77 |

| CASHTNUM/TIME | LVL/TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN/DPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|---------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 04.7          | STD     | 00000 | 02.85  | 32.76  | 26.13   | 00.000   | 1458.5  |      |     |       |     |     |      |    |
|               | OBS     | 00000 | 02.85  | 32.760 | 26.13   |          | 1458.9  |      |     |       |     |     |      |    |
|               | OBS     | 00009 | 02.61  | 32.750 | 26.13   |          | 1458.9  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 02.71  | 32.74  | 26.13   | 00.019   | 1458.5  |      |     |       |     |     |      |    |
|               | OBS     | 00013 | 02.22  | 32.710 | 26.15   |          | 1456.3  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 02.11  | 32.78  | 26.21   | 00.037   | 1456.0  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 02.09  | 32.790 | 26.22   |          | 1456.0  |      |     |       |     |     |      |    |
|               | OBS     | 00022 | 02.13  | 32.810 | 26.22   |          | 1456.2  |      |     |       |     |     |      |    |
|               | OBS     | 00024 | 02.36  | 32.845 | 26.24   |          | 1457.3  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 02.23  | 32.85  | 26.26   | 00.055   | 1456.8  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 02.22  | 32.850 | 26.26   |          | 1456.8  |      |     |       |     |     |      |    |
|               | OBS     | 00034 | 02.13  | 32.850 | 26.26   |          | 1456.5  |      |     |       |     |     |      |    |
|               | OBS     | 00036 | 00.98  | 32.790 | 26.30   |          | 1451.3  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | 00.50  | 32.907 | 26.42   |          | 1449.3  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 00.06  | 32.96  | 26.48   | 00.089   | 1447.6  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | - 0.04 | 32.970 | 26.49   |          | 1447.1  |      |     |       |     |     |      |    |
|               | OBS     | 00053 | - 0.19 | 32.947 | 26.48   |          | 1446.4  |      |     |       |     |     |      |    |
|               | OBS     | 00074 | - 1.66 | 33.223 | 26.76   |          | 1440.3  |      |     |       |     |     |      |    |
|               | STD     | 00075 | - 1.65 | 33.23  | 26.76   | 00.124   | 1440.4  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | - 1.63 | 33.240 | 26.77   |          | 1440.5  |      |     |       |     |     |      |    |
|               | STD     | 00100 | - 1.59 | 33.28  | 26.79   | 00.156   | 1441.1  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | - 1.58 | 33.280 | 26.80   |          | 1441.2  |      |     |       |     |     |      |    |
|               | STD     | 00125 | - 1.03 | 33.50  | 26.96   | 00.186   | 1444.5  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | - 1.02 | 33.500 | 26.96   |          | 1444.6  |      |     |       |     |     |      |    |
|               | STD     | 00150 | - 0.72 | 33.57  | 27.00   | 00.213   | 1446.4  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | - 0.72 | 33.570 | 27.01   |          | 1446.5  |      |     |       |     |     |      |    |
|               | OBS     | 00159 | - 0.73 | 33.660 | 27.08   |          | 1446.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00135 | AIR TEMP 05.8    | DIR HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0042    | MONTH 04  | SHIP EV     | WET BULB 05.8    | 00 0 X      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 01.8N   | DAY 16    | DATA USE 1  | BAKCHMETR 1024.3 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 07.0W | HOOR 06.2 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 643      | 1 SQUARE 78 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 06.2        | STD   | 00000 | 03.67  | 32.88  | 26.16   | 00.000  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.67  | 32.880 | 26.16   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 03.66  | 32.880 | 26.16   |         | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.93  | 32.85  | 26.20   | 00.018  | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.60  | 32.835 | 26.22   |         | 1458.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.43  | 32.87  | 26.26   | 00.036  | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.41  | 32.875 | 26.26   |         | 1457.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.19  | 32.89  | 26.29   | 00.054  | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 02.15  | 32.895 | 26.30   |         | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 02.10  | 32.880 | 26.29   |         | 1456.4  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 01.97  | 32.860 | 26.28   |         | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 01.75  | 32.860 | 26.30   |         | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 01.20  | 32.827 | 26.31   |         | 1452.4  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 00.42  | 32.815 | 26.34   |         | 1448.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.44 | 32.96  | 26.51   | 00.087  | 1445.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.68 | 33.007 | 26.55   |         | 1444.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.63 | 33.21  | 26.74   | 00.122  | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.65 | 33.217 | 26.75   |         | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.51 | 33.35  | 26.85   | 00.154  | 1441.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.49 | 33.360 | 26.86   |         | 1441.7  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | - 1.13 | 33.500 | 26.96   |         | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | - 0.50 | 33.510 | 26.96   |         | 1444.9  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 0.88 | 33.51  | 26.97   | 00.182  | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 0.88 | 33.515 | 26.97   |         | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | - 0.88 | 33.510 | 26.96   |         | 1445.3  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00117 | AIR TEMP 06.0    | DIR HGT PER | WIND-DIR 16 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0043    | MONTH 06  | SHIP EV     | WET BULB 05.8    | 00 0 X      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 01.4N   | DAY 16    | DATA USE 1  | BAKCHMETR 1024.3 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 20.0W | HOOR 07.3 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 644      | 1 SQUARE 78 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 07.3        | STD   | 00000 | 03.67  | 32.88  | 26.16   | 00.000  | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.67  | 32.880 | 26.16   |         | 1462.6  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 03.64  | 32.865 | 26.15   |         | 1462.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.38  | 32.84  | 26.15   | 00.019  | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.75  | 32.786 | 26.16   |         | 1458.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.48  | 32.90  | 26.28   | 00.037  | 1457.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.46  | 32.907 | 26.28   |         | 1457.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.35  | 32.91  | 26.30   | 00.054  | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 02.28  | 32.910 | 26.30   |         | 1457.2  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 01.85  | 32.874 | 26.30   |         | 1455.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 01.29  | 32.81  | 26.34   | 00.089  | 1453.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.17  | 32.857 | 26.39   |         | 1447.9  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 0.51 | 33.040 | 26.57   |         | 1445.1  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.33 | 33.23  | 26.75   | 00.126  | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.35 | 33.240 | 26.76   |         | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.01 | 33.45  | 26.94   | 00.156  | 1444.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.01 | 33.480 | 26.94   |         | 1444.2  |      |     |       |     |     |      |    |
|             | OBS   | 00114 | - 1.02 | 33.487 | 26.95   |         | 1444.3  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00105 | AIR TEMP 05.8    | DIR HGT PER | WIND-DIR 16 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0044    | MONTH 06  | SHIP EV     | WET BULB 05.8    | 00 0 X      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 02.5N   | DAY 16    | DATA USE 1  | BAKCHMETR 1024.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 68 |
| LONG 048 35.2W | HOOR 08.6 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 645      | 1 SQUARE 78 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.6        | STD   | 00000 | 03.76  | 32.88  | 26.15   | 00.000  | 1463.0  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.76  | 32.877 | 26.15   |         | 1463.0  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.73  | 32.876 | 26.15   |         | 1462.9  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 02.77  | 32.840 | 26.21   |         | 1458.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.75  | 32.85  | 26.22   | 00.018  | 1458.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.70  | 32.887 | 26.25   |         | 1458.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.54  | 32.91  | 26.28   | 00.036  | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00023 | 02.52  | 32.910 | 26.28   |         | 1458.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.37  | 32.91  | 26.29   | 00.054  | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.36  | 32.907 | 26.29   |         | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.31  | 32.900 | 26.29   |         | 1457.4  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 00.41  | 32.890 | 26.41   |         | 1449.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.04 | 32.92  | 26.45   | 00.087  | 1447.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.27 | 32.940 | 26.48   |         | 1446.0  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | - 1.36 | 33.205 | 26.73   |         | 1441.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.33 | 33.27  | 26.78   | 00.122  | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.33 | 33.275 | 26.79   |         | 1442.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.14 | 33.45  | 26.92   | 00.193  | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.14 | 33.454 | 26.92   |         | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | - 1.13 | 33.454 | 26.93   |         | 1443.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTOP 00119 AIR TEMP 05.9 DIR MGT PER WIND-DIR 06 INST STD RECORDER TEN SQ 1307  
 CONSEC 0045 MONTH 06 SHIP EV MET BULB 05.9 00 0 X WIND-SPD 08 TRACE DIR 0 5 SQUARE 3  
 LAT 47 31.7N DAY 16 DATA USE 1 BAROMETR 1023.9 SEA WIND-FOR 08 DURATION 00.1 2 SQUARE 62  
 LONG 052 21.0W HOUR 23.5 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 646 1 SQUARE 72

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 23.5        | STD   | 00000 | 04.02  | 32.71  | 25.99   | 00.000 | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.02  | 32.710 | 25.99   |        | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.04  | 32.670 | 26.05   |        | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.75  | 32.79  | 26.16   | 00.019 | 1458.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.67  | 32.810 | 26.19   |        | 1458.4  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 02.42  | 32.820 | 26.22   |        | 1457.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.30  | 32.82  | 26.23   | 00.038 | 1456.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.20  | 32.820 | 26.24   |        | 1456.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.69  | 32.86  | 26.30   | 00.055 | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.66  | 32.860 | 26.31   |        | 1454.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 01.29  | 32.873 | 26.34   |        | 1452.8  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 00.25  | 32.933 | 26.45   |        | 1448.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.07 | 32.94  | 26.47   | 00.088 | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.14 | 32.943 | 26.48   |        | 1446.6  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | - 0.45 | 32.927 | 26.48   |        | 1445.3  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | - 1.02 | 32.910 | 26.48   |        | 1442.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.50 | 33.10  | 26.65   | 00.125 | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.52 | 33.110 | 26.66   |        | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | - 1.61 | 33.160 | 26.70   |        | 1440.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.37 | 33.26  | 26.78   | 00.159 | 1442.2  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.36 | 33.263 | 26.78   |        | 1442.2  |      |     |       |     |     |      |    |
|             | OBS   | 00112 | - 1.35 | 33.303 | 26.81   |        | 1442.5  |      |     |       |     |     |      |    |

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REFID 31 8371 YEAR 1974 BOTOP 00172 AIR TEMP 06.5 DIR MGT PER WIND-DIR 07 INST STD RECORDER TEN SQ 1307  
 CONSEC 0046 MONTH 06 SHIP EV MET BULB 05.5 00 0 X WIND-SPD 08 TRACE DIR 0 5 SQUARE 3  
 LAT 47 31.3N DAY 17 DATA USE 1 BAROMETR 1024.0 SEA WIND-FOR 08 DURATION 00.1 2 SQUARE 60  
 LONG 051 47.2W HOUR 01.7 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 647 1 SQUARE 71

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 01.7        | STD   | 00000 | 04.89  | 32.42  | 25.67   | 00.000 | 1467.1  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.89  | 32.425 | 25.67   |        | 1467.2  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 03.02  | 32.360 | 25.80   |        | 1459.2  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.89  | 32.38  | 25.83   | 00.023 | 1458.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.82  | 32.400 | 25.85   |        | 1458.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.34  | 32.53  | 25.99   | 00.044 | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.29  | 32.540 | 26.00   |        | 1456.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.99  | 32.57  | 26.05   | 00.063 | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.82  | 32.570 | 26.06   |        | 1454.6  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 00.02  | 32.605 | 26.20   |        | 1446.6  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | - 0.68 | 32.783 | 26.37   |        | 1443.7  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 1.04 | 32.860 | 26.49   |        | 1442.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.46 | 32.94  | 26.52   | 00.098 | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 1.54 | 32.965 | 26.54   |        | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.65 | 33.06  | 26.62   | 00.135 | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.65 | 33.060 | 26.62   |        | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.72 | 33.15  | 26.70   | 00.170 | 1440.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.72 | 33.155 | 26.70   |        | 1440.4  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.68 | 33.22  | 26.75   | 00.203 | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.68 | 33.220 | 26.75   |        | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 1.55 | 33.29  | 26.80   | 00.235 | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 1.55 | 33.290 | 26.81   |        | 1442.2  |      |     |       |     |     |      |    |
|             | OBS   | 00163 | - 1.34 | 33.387 | 26.88   |        | 1443.5  |      |     |       |     |     |      |    |

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REFID 31 8371 YEAR 1974 BOTOP 00157 AIR TEMP 05.7 DIR MGT PER WIND-DIR 00 INST STD RECORDER TEN SQ 1307  
 CONSEC 0047 MONTH 06 SHIP EV MET BULB 05.7 00 0 X WIND-SPD 00 TRACE DIR 0 5 SQUARE 3  
 LAT 47 31.0N DAY 17 DATA USE 1 BAROMETR 1024.2 SEA WIND-FOR 00 DURATION 00.1 2 SQUARE 62  
 LONG 052 09.8W HOUR 04.3 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 648 1 SQUARE 72

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 04.3        | STD   | 00000 | 02.90  | 31.79  | 25.36   | 00.000 | 1457.8  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 02.90  | 31.790 | 25.36   |        | 1457.8  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 02.52  | 31.740 | 25.36   |        | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 02.43  | 31.750 | 25.36   |        | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 02.15  | 31.713 | 25.35   |        | 1454.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.00  | 31.81  | 25.44   | 00.026 | 1454.1  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 01.76  | 32.057 | 25.66   |        | 1453.4  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 01.81  | 32.310 | 25.86   |        | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 01.68  | 32.353 | 25.88   |        | 1454.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 01.88  | 32.38  | 25.91   | 00.049 | 1454.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 01.82  | 32.390 | 25.92   |        | 1454.2  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 00.60  | 32.500 | 26.08   |        | 1449.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 00.07  | 32.58  | 26.18   | 00.069 | 1446.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.10 | 32.610 | 26.21   |        | 1446.0  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | - 1.27 | 32.902 | 26.48   |        | 1441.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.58 | 33.03  | 26.60   | 00.102 | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.60 | 33.040 | 26.60   |        | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | - 1.70 | 33.120 | 26.67   |        | 1439.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.70 | 33.12  | 26.67   | 00.137 | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.70 | 33.120 | 26.67   |        | 1440.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.70 | 33.17  | 26.71   | 00.171 | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.70 | 33.170 | 26.71   |        | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.70 | 33.22  | 26.75   | 00.204 | 1440.9  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.70 | 33.220 | 26.75   |        | 1441.0  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | - 1.50 | 33.340 | 26.84   |        | 1442.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |     |     |       |     |     |      |    |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|-----|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | SDTDP 01154 | ALA TEMP 07.0    | DIR HGT PER | WIND-DIR 25 | INST STD RECORDER | YEN SQ 1304 |     |     |       |     |     |      |    |
| CONSEC 0048    | MONTH 04  | SHIP EV     | NET SALS 06.8    | 20 2 3      | WIND-SPD 12 | TRACE DIR D       | 5 SQUARE 4  |     |     |       |     |     |      |    |
| LAT 47 04.5N   | DAY 21    | DATA USE 1  | BAROMETER 1009.7 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 64 |     |     |       |     |     |      |    |
| LONG 046 53.5W | HOOR 17.3 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 650      | 1 SQUARE 76 |     |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEMP             | SAL         | SIGMA-T     | DYNDPTH           | SND VEL     | QNG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 17.3           | STD       | 00000       | 05.12            | 33.64       | 26.62       | 00.000            | 1449.7      |     |     |       |     |     |      |    |
|                | OBS       | 00005       | 05.12            | 33.660      | 26.62       |                   | 1449.8      |     |     |       |     |     |      |    |
|                | STD       | 00010       | 05.07            | 33.64       | 26.63       | 00.014            | 1449.7      |     |     |       |     |     |      |    |
|                | OBS       | 00011       | 05.05            | 33.660      | 26.63       |                   | 1449.5      |     |     |       |     |     |      |    |
|                | OBS       | 00017       | 04.80            | 33.650      | 26.65       |                   | 1448.7      |     |     |       |     |     |      |    |
|                | STD       | 00020       | 04.41            | 33.70       | 26.71       | 00.028            | 1448.0      |     |     |       |     |     |      |    |
|                | OBS       | 00020       | 04.35            | 33.700      | 26.74       |                   | 1446.9      |     |     |       |     |     |      |    |
|                | OBS       | 00022       | 03.48            | 33.680      | 26.81       |                   | 1443.2      |     |     |       |     |     |      |    |
|                | OBS       | 00024       | 03.14            | 33.780      | 26.85       |                   | 1442.0      |     |     |       |     |     |      |    |
|                | STD       | 00030       | 03.09            | 33.83       | 26.97       | 00.040            | 1441.9      |     |     |       |     |     |      |    |
|                | OBS       | 00030       | 03.08            | 33.840      | 26.98       |                   | 1441.9      |     |     |       |     |     |      |    |
|                | OBS       | 00034       | 03.21            | 33.930      | 27.08       |                   | 1442.6      |     |     |       |     |     |      |    |
|                | OBS       | 00036       | 03.72            | 34.020      | 27.06       |                   | 1445.0      |     |     |       |     |     |      |    |
|                | OBS       | 00043       | 03.76            | 34.020      | 27.05       |                   | 1445.2      |     |     |       |     |     |      |    |
|                | OBS       | 00047       | 03.33            | 34.040      | 27.11       |                   | 1443.5      |     |     |       |     |     |      |    |
|                | STD       | 00050       | 03.27            | 34.07       | 27.14       | 00.061            | 1443.5      |     |     |       |     |     |      |    |
|                | OBS       | 00051       | 03.25            | 34.090      | 27.18       |                   | 1443.3      |     |     |       |     |     |      |    |
|                | OBS       | 00060       | 03.29            | 34.200      | 27.24       |                   | 1443.8      |     |     |       |     |     |      |    |
|                | OBS       | 00062       | 02.81            | 34.140      | 27.24       |                   | 1441.7      |     |     |       |     |     |      |    |
|                | OBS       | 00066       | 02.46            | 34.130      | 27.26       |                   | 1440.2      |     |     |       |     |     |      |    |
|                | OBS       | 00068       | 02.78            | 34.270      | 27.34       |                   | 1441.8      |     |     |       |     |     |      |    |
|                | OBS       | 00074       | 02.29            | 34.325      | 27.43       |                   | 1439.8      |     |     |       |     |     |      |    |
|                | STD       | 00075       | 02.33            | 34.33       | 27.43       | 00.081            | 1440.0      |     |     |       |     |     |      |    |
|                | OBS       | 00079       | 02.71            | 34.377      | 27.44       |                   | 1441.8      |     |     |       |     |     |      |    |
|                | OBS       | 00081       | 02.92            | 34.412      | 27.45       |                   | 1442.8      |     |     |       |     |     |      |    |
|                | OBS       | 00089       | 02.91            | 34.423      | 27.45       |                   | 1442.9      |     |     |       |     |     |      |    |
|                | OBS       | 00095       | 02.35            | 34.390      | 27.46       |                   | 1441.4      |     |     |       |     |     |      |    |
|                | STD       | 00100       | 02.65            | 34.43       | 27.48       | 00.097            | 1442.0      |     |     |       |     |     |      |    |
|                | OBS       | 00100       | 02.65            | 34.430      | 27.48       |                   | 1442.0      |     |     |       |     |     |      |    |
|                | OBS       | 00102       | 02.64            | 34.425      | 27.48       |                   | 1442.0      |     |     |       |     |     |      |    |
|                | OBS       | 00108       | 02.39            | 34.447      | 27.52       |                   | 1441.0      |     |     |       |     |     |      |    |
|                | OBS       | 00110       | 02.59            | 34.480      | 27.53       |                   | 1441.9      |     |     |       |     |     |      |    |
|                | OBS       | 00123       | 02.48            | 34.497      | 27.55       |                   | 1441.7      |     |     |       |     |     |      |    |
|                | STD       | 00125       | 02.33            | 34.51       | 27.56       | 00.111            | 1442.0      |     |     |       |     |     |      |    |
|                | OBS       | 00129       | 02.64            | 34.545      | 27.58       |                   | 1442.6      |     |     |       |     |     |      |    |
|                | OBS       | 00133       | 02.44            | 34.553      | 27.58       |                   | 1442.8      |     |     |       |     |     |      |    |
|                | OBS       | 00140       | 02.40            | 34.520      | 27.56       |                   | 1441.7      |     |     |       |     |     |      |    |
|                | OBS       | 00144       | 02.27            | 34.537      | 27.60       |                   | 1441.2      |     |     |       |     |     |      |    |
|                | STD       | 00150       | 02.31            | 34.54       | 27.60       | 00.124            | 1441.4      |     |     |       |     |     |      |    |
|                | OBS       | 00150       | 02.31            | 34.546      | 27.60       |                   | 1441.5      |     |     |       |     |     |      |    |
|                | OBS       | 00175       | 02.49            | 34.590      | 27.62       |                   | 1442.7      |     |     |       |     |     |      |    |
|                | STD       | 00200       | 02.68            | 34.64       | 27.65       | 00.149            | 1444.0      |     |     |       |     |     |      |    |
|                | OBS       | 00203       | 02.70            | 34.643      | 27.65       |                   | 1444.2      |     |     |       |     |     |      |    |
|                | OBS       | 00224       | 02.77            | 34.660      | 27.66       |                   | 1444.9      |     |     |       |     |     |      |    |
|                | STD       | 00250       | 02.82            | 34.68       | 27.67       | 00.172            | 1445.5      |     |     |       |     |     |      |    |
|                | OBS       | 00251       | 02.83            | 34.686      | 27.67       |                   | 1445.6      |     |     |       |     |     |      |    |
|                | OBS       | 00276       | 03.22            | 34.740      | 27.68       |                   | 1447.7      |     |     |       |     |     |      |    |
|                | STD       | 00300       | 03.42            | 34.77       | 27.68       | 00.194            | 1449.0      |     |     |       |     |     |      |    |
|                | OBS       | 00300       | 03.42            | 34.770      | 27.68       |                   | 1449.0      |     |     |       |     |     |      |    |
|                | OBS       | 00350       | 03.33            | 34.790      | 27.69       |                   | 1470.4      |     |     |       |     |     |      |    |
|                | STD       | 00400       | 03.43            | 34.82       | 27.70       | 00.238            | 1471.6      |     |     |       |     |     |      |    |
|                | OBS       | 00401       | 03.63            | 34.820      | 27.70       |                   | 1471.7      |     |     |       |     |     |      |    |
|                | OBS       | 00453       | 03.75            | 34.847      | 27.71       |                   | 1473.1      |     |     |       |     |     |      |    |
|                | STD       | 00500       | 03.79            | 34.86       | 27.72       | 00.282            | 1474.0      |     |     |       |     |     |      |    |
|                | OBS       | 00500       | 03.79            | 34.860      | 27.72       |                   | 1474.0      |     |     |       |     |     |      |    |
|                | OBS       | 00550       | 03.78            | 34.867      | 27.72       |                   | 1474.8      |     |     |       |     |     |      |    |
|                | STD       | 00600       | 03.74            | 34.87       | 27.73       | 00.325            | 1475.5      |     |     |       |     |     |      |    |
|                | OBS       | 00601       | 03.74            | 34.870      | 27.73       |                   | 1475.5      |     |     |       |     |     |      |    |
|                | OBS       | 00651       | 03.74            | 34.876      | 27.73       |                   | 1476.3      |     |     |       |     |     |      |    |
|                | STD       | 00700       | 03.69            | 34.87       | 27.74       | 00.368            | 1476.9      |     |     |       |     |     |      |    |
|                | OBS       | 00700       | 03.69            | 34.870      | 27.74       |                   | 1476.9      |     |     |       |     |     |      |    |
|                | OBS       | 00750       | 03.67            | 34.870      | 27.74       |                   | 1477.7      |     |     |       |     |     |      |    |
|                | STD       | 00800       | 03.63            | 34.87       | 27.74       | 00.411            | 1478.4      |     |     |       |     |     |      |    |
|                | OBS       | 00801       | 03.63            | 34.870      | 27.74       |                   | 1478.4      |     |     |       |     |     |      |    |
|                | OBS       | 00850       | 03.60            | 34.870      | 27.75       |                   | 1479.1      |     |     |       |     |     |      |    |
|                | STD       | 00900       | 03.58            | 34.87       | 27.75       | 00.454            | 1479.8      |     |     |       |     |     |      |    |
|                | OBS       | 00900       | 03.58            | 34.870      | 27.75       |                   | 1479.8      |     |     |       |     |     |      |    |
|                | OBS       | 00953       | 03.56            | 34.870      | 27.75       |                   | 1480.6      |     |     |       |     |     |      |    |
|                | STD       | 01000       | 03.56            | 34.88       | 27.76       | 00.498            | 1481.4      |     |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.56            | 34.880      | 27.76       |                   | 1481.4      |     |     |       |     |     |      |    |
|                | OBS       | 01022       | 03.55            | 34.880      | 27.76       |                   | 1481.7      |     |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |            |             |                  |             |             |                   |             |
|----------------|------------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974  | BOTOP J0984 | AIR TEMP 06.0    | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0049    | MONTH 06   | SHIP EV     | WET BULB 06.0    | 26 2 3      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 05.0N   | DAY 21     | DATA USE 1  | BAROMETER 1008.8 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 66 |
| LONG 047 06.5W | HOURL 19.2 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 651      | 1 SQUARE 77 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN DPTH | SND VEL | ORVG | PD4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 19.2        | STD     | 00000 | 03.81  | 32.96  | 26.21   | 00.000   | 1463.3  |      |     |       |     |     |      |    |
|             | OBS     | 00001 | 03.81  | 32.96U | 26.21   |          | 1463.3  |      |     |       |     |     |      |    |
|             | OBS     | 00009 | 03.82  | 32.94U | 26.19   |          | 1463.5  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 03.81  | 32.94  | 26.19   | 00.018   | 1463.5  |      |     |       |     |     |      |    |
|             | OBS     | 00011 | 03.78  | 32.94U | 26.19   |          | 1463.3  |      |     |       |     |     |      |    |
|             | OBS     | 00017 | 03.44  | 33.02U | 26.29   |          | 1462.1  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 02.98  | 32.98  | 26.30   | 00.036   | 1460.1  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 02.83  | 32.97U | 26.30   |          | 1459.5  |      |     |       |     |     |      |    |
|             | OBS     | 00024 | 02.17  | 33.17U | 26.52   |          | 1456.9  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 02.23  | 33.33  | 26.64   | 00.052   | 1457.5  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 02.23  | 33.34U | 26.65   |          | 1457.5  |      |     |       |     |     |      |    |
|             | OBS     | 00034 | 02.20  | 33.35U | 26.66   |          | 1457.4  |      |     |       |     |     |      |    |
|             | OBS     | 00036 | 01.39  | 33.34U | 26.71   |          | 1453.9  |      |     |       |     |     |      |    |
|             | OBS     | 00041 | 00.75  | 33.41U | 26.81   |          | 1451.2  |      |     |       |     |     |      |    |
|             | OBS     | 00045 | 00.00  | 33.43U | 26.86   |          | 1447.9  |      |     |       |     |     |      |    |
|             | OBS     | 00047 | - 0.55 | 33.50U | 26.94   |          | 1445.5  |      |     |       |     |     |      |    |
|             | OBS     | 00049 | - 0.74 | 33.60U | 27.03   |          | 1444.7  |      |     |       |     |     |      |    |
|             | STD     | 00050 | - 0.74 | 33.60  | 27.03   | 00.076   | 1444.8  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | - 0.74 | 33.61U | 27.04   |          | 1444.8  |      |     |       |     |     |      |    |
|             | OBS     | 00060 | - 0.41 | 33.77C | 27.15   |          | 1446.7  |      |     |       |     |     |      |    |
|             | OBS     | 00064 | 00.25  | 33.82U | 27.16   |          | 1449.9  |      |     |       |     |     |      |    |
|             | OBS     | 00068 | 00.34  | 33.82U | 27.16   |          | 1450.3  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 00.06  | 33.85  | 27.20   | 00.100   | 1449.2  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | - 0.04 | 33.86U | 27.21   |          | 1448.6  |      |     |       |     |     |      |    |

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|                |            |             |                  |             |             |                   |             |
|----------------|------------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974  | BOTOP 00263 | AIR TEMP 06.0    | DIR MGT PER | WIND-DIR 24 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0050    | MONTH 06   | SHIP EV     | WET BULB 05.7    | 29 2 3      | WIND-SPD 12 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 04.8N   | DAY 21     | DATA USE 1  | BAROMETER 1007.5 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 66 |
| LONG 047 21.0W | HOURL 21.1 | AREA 05     | CLGUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 652      | 1 SQUARE 77 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN DPTH | SND VEL | ORVG | PD4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 21.1        | STD     | 00000 | 03.50  | 32.75  | 26.07   | 00.000   | 1461.7  |      |     |       |     |     |      |    |
|             | OBS     | 00001 | 03.50  | 32.75U | 26.07   |          | 1461.7  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 03.40  | 32.79  | 26.11   | 00.019   | 1461.5  |      |     |       |     |     |      |    |
|             | OBS     | 00011 | 03.38  | 32.79U | 26.11   |          | 1461.4  |      |     |       |     |     |      |    |
|             | OBS     | 00013 | 03.40  | 32.79U | 26.11   |          | 1461.5  |      |     |       |     |     |      |    |
|             | OBS     | 00015 | 02.76  | 32.74U | 26.13   |          | 1458.7  |      |     |       |     |     |      |    |
|             | OBS     | 00017 | 02.59  | 32.76U | 26.16   |          | 1458.1  |      |     |       |     |     |      |    |
|             | OBS     | 00019 | 02.13  | 32.97U | 26.36   |          | 1456.4  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 01.99  | 32.99  | 26.39   | 00.037   | 1455.8  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 01.87  | 33.00U | 26.41   |          | 1455.3  |      |     |       |     |     |      |    |
|             | OBS     | 00028 | 01.17  | 33.13U | 26.56   |          | 1452.5  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 00.51  | 33.11  | 26.55   | 00.053   | 1451.3  |      |     |       |     |     |      |    |
|             | OBS     | 00038 | - 0.27 | 33.05U | 26.57   |          | 1446.0  |      |     |       |     |     |      |    |
|             | OBS     | 00045 | - 0.83 | 33.15U | 26.67   |          | 1443.6  |      |     |       |     |     |      |    |
|             | OBS     | 00049 | - 1.35 | 33.19U | 26.72   |          | 1441.3  |      |     |       |     |     |      |    |
|             | STD     | 00050 | - 1.40 | 33.22  | 26.74   | 00.081   | 1441.1  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | - 1.51 | 33.27U | 26.75   |          | 1440.7  |      |     |       |     |     |      |    |
|             | OBS     | 00057 | - 1.56 | 33.32U | 26.83   |          | 1440.6  |      |     |       |     |     |      |    |
|             | STD     | 00075 | - 1.28 | 33.49  | 26.96   | 00.111   | 1442.5  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | - 1.26 | 33.50U | 26.97   |          | 1442.6  |      |     |       |     |     |      |    |
|             | STD     | 00100 | - 0.68 | 33.69  | 27.10   | 00.137   | 1446.0  |      |     |       |     |     |      |    |
|             | OBS     | 00102 | - 0.61 | 33.70U | 27.11   |          | 1446.4  |      |     |       |     |     |      |    |
|             | STD     | 00125 | - 0.08 | 33.85  | 27.20   | 00.160   | 1449.4  |      |     |       |     |     |      |    |
|             | OBS     | 00125 | - 0.07 | 33.85U | 27.20   |          | 1449.4  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 00.51  | 34.32  | 27.31   | 00.181   | 1452.7  |      |     |       |     |     |      |    |
|             | OBS     | 00150 | 00.52  | 34.02U | 27.31   |          | 1452.8  |      |     |       |     |     |      |    |
|             | OBS     | 00175 | 00.98  | 34.13U | 27.37   |          | 1455.4  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 01.24  | 34.24  | 27.44   | 00.216   | 1457.1  |      |     |       |     |     |      |    |
|             | OBS     | 00201 | 01.25  | 34.24U | 27.44   |          | 1457.2  |      |     |       |     |     |      |    |
|             | OBS     | 00226 | 01.36  | 34.24U | 27.43   |          | 1458.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 01.34  | 34.23  | 27.43   | 00.250   | 1458.4  |      |     |       |     |     |      |    |
|             | OBS     | 00253 | 01.34  | 34.23U | 27.43   |          | 1458.5  |      |     |       |     |     |      |    |
|             | OBS     | 00255 | 01.34  | 34.23U | 27.43   |          | 1458.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTDP 00212 AIR TEMP 07.1 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306  
 CONSEC 0051 MONTH 04 SHIP EV WET BULB 07.1 08 0 3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 4  
 LAT 47 04.8N DAY 21 DATA USE 1 BAROMETR 1007.1 SEA WIND-FOR DURATION 00.1 2 SQUARE 66  
 LONG 047 34.0W HOUR 22.6 AREA 05 CLCUD T/A CL/TR WEATHER X4 ORIG 011 653 1 SQUARE 77

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.6        | STD   | 00000 | 03.28  | 32.68  | 26.04   | 00.000  | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 03.28  | 32.683 | 26.04   |         | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 03.27  | 32.675 | 26.03   |         | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.07  | 32.70  | 26.07   | 00.020  | 1460.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.99  | 32.710 | 26.08   |         | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 02.55  | 32.793 | 26.19   |         | 1457.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.34  | 32.77  | 26.18   | 00.039  | 1457.0  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.27  | 32.765 | 26.19   |         | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 01.41  | 32.910 | 26.36   |         | 1453.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 00.44  | 32.89  | 26.39   | 00.056  | 1449.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | - 0.79 | 32.820 | 26.40   |         | 1443.2  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | - 0.98 | 33.043 | 26.59   |         | 1442.6  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | - 1.41 | 33.160 | 26.70   |         | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | - 1.23 | 33.175 | 26.71   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.64 | 33.23  | 26.76   | 00.085  | 1440.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.67 | 33.235 | 26.76   |         | 1439.9  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | - 1.72 | 33.270 | 26.79   |         | 1439.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.71 | 33.30  | 26.81   | 00.117  | 1440.2  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.71 | 33.300 | 26.82   |         | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.61 | 33.38  | 26.88   | 00.147  | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.60 | 33.383 | 26.88   |         | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.40 | 33.48  | 26.95   | 00.176  | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | - 1.36 | 33.493 | 26.97   |         | 1443.0  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.76 | 33.69  | 27.10   | 00.202  | 1446.4  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.75 | 33.690 | 27.10   |         | 1446.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | - 0.15 | 33.835 | 27.19   |         | 1449.9  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 00.23  | 33.94  | 27.26   | 00.246  | 1452.2  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.24  | 33.940 | 27.26   |         | 1452.2  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 00.26  | 33.944 | 27.26   |         | 1452.4  |      |     |       |     |     |      |    |

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REFID 31 8371 YEAR 1974 BOTDP 00177 AIR TEMP 06.9 DIR HGT PER WIND-DIR 21 INST STD RECORDER TEN SQ 1306  
 CONSEC 0052 MONTH 06 SHIP EV WET BULB 06.9 08 0 3 WIND-SPD 20 TRACE DIR 0 5 SQUARE 4  
 LAT 47 05.5N DAY 21 DATA USE 1 BAROMETR 1006.7 SEA WIND-FOR DURATION 00.1 2 SQUARE 66  
 LONG 047 32.0W HOUR 23.9 AREA 05 CLCUD T/A CL/TR WEATHER X4 ORIG 011 654 1 SQUARE 77

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 23.9        | STD   | 00000 | 03.01  | 32.62  | 26.01   | 00.000  | 1459.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 03.01  | 32.620 | 26.01   |         | 1459.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 03.01  | 32.610 | 26.00   |         | 1459.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 03.02  | 32.62  | 26.01   | 00.020  | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 03.02  | 32.620 | 26.01   |         | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 03.02  | 32.620 | 26.01   |         | 1459.7  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 02.68  | 32.620 | 26.04   |         | 1458.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.68  | 32.62  | 26.04   | 00.040  | 1459.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.68  | 32.630 | 26.05   |         | 1458.3  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 02.37  | 32.840 | 26.24   |         | 1457.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.07  | 32.85  | 26.27   | 00.059  | 1456.1  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.98  | 32.860 | 26.28   |         | 1455.7  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 01.33  | 33.080 | 26.50   |         | 1453.3  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | - 0.02 | 33.040 | 26.55   |         | 1447.2  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | - 0.14 | 33.160 | 26.65   |         | 1446.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.68  | 33.24  | 26.67   | 00.090  | 1450.8  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 01.04  | 33.290 | 26.69   |         | 1452.5  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | - 1.52 | 33.166 | 26.70   |         | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | - 1.70 | 33.250 | 26.78   |         | 1440.1  |      |     |       |     |     |      |    |
|             | OBS   | 00074 | - 1.70 | 33.260 | 26.78   |         | 1440.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.55  | 33.27  | 26.70   | 00.124  | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 01.70  | 33.283 | 26.64   |         | 1455.8  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.65 | 33.300 | 26.82   |         | 1440.5  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | - 1.36 | 33.310 | 26.82   |         | 1441.9  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | - 1.38 | 33.343 | 26.85   |         | 1442.0  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | - 0.77 | 33.385 | 26.86   |         | 1445.0  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | - 0.74 | 33.400 | 26.87   |         | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | - 1.36 | 33.363 | 26.86   |         | 1442.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.37 | 33.36  | 26.85   | 00.156  | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.38 | 33.350 | 26.85   |         | 1442.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.18 | 33.52  | 26.98   | 00.184  | 1443.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.17 | 33.520 | 26.98   |         | 1443.9  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.82 | 33.68  | 27.10   | 00.210  | 1446.1  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.77 | 33.685 | 27.10   |         | 1446.4  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | - 0.49 | 33.730 | 27.13   |         | 1447.8  |      |     |       |     |     |      |    |
|             | OBS   | 00165 | - 0.35 | 33.751 | 27.14   |         | 1448.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00148 | AIR TEMP 06.7    | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEM SQ 1306 |
| CONSEC 0053    | MONTH 06  | SHIP EV     | WET BULB 06.7    | 00 0 X      | WIND-SPD 16 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 47 04.2N   | DAY 22    | DATA USE 1  | BATHYMETR 1000.8 | SEA         | WIND-FOR    | DURATION 00.2     | 2 SQUARE 68 |
| LONG 048 03.5W | MOOR 01.5 | AREA 35     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 655      | 1 SQUARE 78 |

| CASTNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|-------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 01.5         | STD   | 00000 | 03.99  | 32.74  | 26.01   | 00.000   | 1463.8  |      |     |       |     |     |      |    |
|              | OBS   | 00000 | 03.59  | 32.74W | 26.01   |          | 1463.8  |      |     |       |     |     |      |    |
|              | STD   | 00010 | 03.53  | 32.72  | 26.01   | 00.020   | 1463.7  |      |     |       |     |     |      |    |
|              | OBS   | 00011 | 03.52  | 32.72W | 26.01   |          | 1463.6  |      |     |       |     |     |      |    |
|              | OBS   | 00013 | 03.54  | 32.730 | 26.01   |          | 1463.8  |      |     |       |     |     |      |    |
|              | OBS   | 00015 | 03.32  | 32.665 | 26.02   |          | 1461.1  |      |     |       |     |     |      |    |
|              | STD   | 00020 | 02.66  | 32.77  | 26.16   | 00.039   | 1458.4  |      |     |       |     |     |      |    |
|              | OBS   | 00020 | 02.57  | 32.79W | 26.18   |          | 1458.1  |      |     |       |     |     |      |    |
|              | OBS   | 00028 | 02.20  | 32.805 | 26.27   |          | 1456.7  |      |     |       |     |     |      |    |
|              | STD   | 00030 | 02.08  | 32.85  | 26.26   | 00.058   | 1456.2  |      |     |       |     |     |      |    |
|              | OBS   | 00030 | 02.04  | 32.84W | 26.26   |          | 1456.0  |      |     |       |     |     |      |    |
|              | STD   | 00050 | - 0.42 | 32.88  | 26.43   | 00.091   | 1445.2  |      |     |       |     |     |      |    |
|              | OBS   | 00051 | - 0.50 | 32.920 | 26.47   |          | 1444.5  |      |     |       |     |     |      |    |
|              | OBS   | 00053 | - 0.59 | 32.99W | 26.53   |          | 1444.7  |      |     |       |     |     |      |    |
|              | OBS   | 00055 | - 1.06 | 32.990 | 26.55   |          | 1442.5  |      |     |       |     |     |      |    |
|              | STD   | 00075 | - 1.58 | 33.14  | 26.68   | 00.128   | 1440.6  |      |     |       |     |     |      |    |
|              | OBS   | 00076 | - 1.59 | 33.146 | 26.65   |          | 1440.6  |      |     |       |     |     |      |    |
|              | OBS   | 00045 | - 1.66 | 33.245 | 26.77   |          | 1440.5  |      |     |       |     |     |      |    |
|              | STD   | 00100 | - 1.57 | 33.31  | 26.82   | 00.161   | 1441.3  |      |     |       |     |     |      |    |
|              | OBS   | 00100 | - 1.56 | 33.31W | 26.82   |          | 1441.3  |      |     |       |     |     |      |    |
|              | STD   | 00125 | - 1.28 | 33.41  | 26.90   | 00.191   | 1443.2  |      |     |       |     |     |      |    |
|              | OBS   | 00125 | - 1.27 | 33.417 | 26.90   |          | 1443.3  |      |     |       |     |     |      |    |
|              | OBS   | 00135 | - 1.00 | 33.474 | 26.94   |          | 1444.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

| REFID 31 8371  | YEAR 1974  | BOTDP 03698 | AIR TEMP 10.3   | DIR HGT PER | WIND-DIR 34 | INST STD RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
|----------------|------------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| CONSEC 0054    | MONTH 06   | SHIP EV     | NET BULB 09.7   | 34 3 3      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 39.5N   | DAY 29     | DATA USE 1  | BAROMETR 1016.9 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |      |     |       |     |     |      |    |
| LONG 046 00.3W | HOURL 16.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 656 12   | 1 SQUARE 46 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTY      | DEPTH       | TEMP            | SAL         | SIGMA-T     | DYNDRTH           | SND VEL     | ORVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 16.2           | STD        | 00000       | 10.07           | 33.06       | 25.45       | 00.000            | 1488.2      |      |     |       |     |     |      |    |
|                | OBS        | 00001       | 10.07           | 33.060      | 25.45       |                   | 1488.2      |      |     |       |     |     |      |    |
|                | OBS        | 00007       | 10.06           | 33.045      | 25.44       |                   | 1488.2      |      |     |       |     |     |      |    |
|                | STD        | 00010       | 10.08           | 33.05       | 25.44       | 00.025            | 1488.3      |      |     |       |     |     |      |    |
|                | OBS        | 00011       | 10.08           | 33.050      | 25.44       |                   | 1488.4      |      |     |       |     |     |      |    |
|                | OBS        | 00017       | 10.04           | 33.185      | 25.55       |                   | 1488.5      |      |     |       |     |     |      |    |
|                | OBS        | 00019       | 08.64           | 33.247      | 25.82       |                   | 1483.4      |      |     |       |     |     |      |    |
|                | STD        | 00020       | 08.66           | 33.58       | 26.08       | 00.048            | 1483.9      |      |     |       |     |     |      |    |
|                | OBS        | 00020       | 08.70           | 33.780      | 26.23       |                   | 1484.3      |      |     |       |     |     |      |    |
|                | OBS        | 00022       | 08.82           | 33.925      | 26.33       |                   | 1485.0      |      |     |       |     |     |      |    |
|                | STD        | 00030       | 12.38           | 34.78       | 26.36       | 00.066            | 1499.0      |      |     |       |     |     |      |    |
|                | OBS        | 00030       | 12.63           | 34.905      | 26.41       |                   | 1500.0      |      |     |       |     |     |      |    |
|                | OBS        | 00032       | 13.57           | 35.450      | 26.44       |                   | 1503.9      |      |     |       |     |     |      |    |
|                | OBS        | 00034       | 13.93           | 35.580      | 26.47       |                   | 1505.2      |      |     |       |     |     |      |    |
|                | OBS        | 00040       | 12.98           | 35.370      | 26.70       |                   | 1501.9      |      |     |       |     |     |      |    |
|                | OBS        | 00045       | 12.98           | 35.386      | 26.71       |                   | 1502.0      |      |     |       |     |     |      |    |
|                | OBS        | 00049       | 13.34           | 35.507      | 26.73       |                   | 1503.4      |      |     |       |     |     |      |    |
|                | STD        | 00050       | 13.35           | 35.51       | 26.74       | 00.096            | 1503.5      |      |     |       |     |     |      |    |
|                | OBS        | 00051       | 13.36           | 35.520      | 26.74       |                   | 1503.6      |      |     |       |     |     |      |    |
|                | STD        | 00075       | 12.98           | 35.49       | 26.79       | 00.129            | 1502.7      |      |     |       |     |     |      |    |
|                | OBS        | 00076       | 12.98           | 35.483      | 26.79       |                   | 1502.8      |      |     |       |     |     |      |    |
|                | OBS        | 00083       | 13.00           | 35.465      | 26.77       |                   | 1501.5      |      |     |       |     |     |      |    |
|                | OBS        | 00087       | 12.63           | 35.375      | 26.78       |                   | 1501.3      |      |     |       |     |     |      |    |
|                | OBS        | 00099       | 12.50           | 35.390      | 26.81       |                   | 1501.7      |      |     |       |     |     |      |    |
|                | STD        | 00100       | 12.33           | 35.35       | 26.82       | 00.161            | 1500.7      |      |     |       |     |     |      |    |
|                | OBS        | 00100       | 12.21           | 35.334      | 26.82       |                   | 1500.3      |      |     |       |     |     |      |    |
|                | OBS        | 00104       | 12.13           | 35.337      | 26.84       |                   | 1500.1      |      |     |       |     |     |      |    |
|                | OBS        | 00106       | 11.82           | 35.255      | 26.84       |                   | 1497.9      |      |     |       |     |     |      |    |
|                | OBS        | 00110       | 11.34           | 35.176      | 26.83       |                   | 1494.2      |      |     |       |     |     |      |    |
|                | OBS        | 00118       | 10.51           | 35.030      | 26.91       |                   | 1494.7      |      |     |       |     |     |      |    |
|                | OBS        | 00121       | 10.62           | 35.090      | 26.93       | 00.191            | 1492.3      |      |     |       |     |     |      |    |
|                | STD        | 00125       | 09.97           | 34.99       | 26.97       |                   | 1492.1      |      |     |       |     |     |      |    |
|                | OBS        | 00125       | 09.50           | 34.980      | 26.97       |                   | 1492.1      |      |     |       |     |     |      |    |
|                | OBS        | 00129       | 09.88           | 35.000      | 26.99       |                   | 1489.0      |      |     |       |     |     |      |    |
|                | OBS        | 00131       | 09.10           | 34.850      | 27.00       |                   | 1488.6      |      |     |       |     |     |      |    |
|                | OBS        | 00140       | 08.95           | 34.815      | 27.00       |                   | 1486.4      |      |     |       |     |     |      |    |
|                | OBS        | 00144       | 08.38           | 34.707      | 27.01       | 00.218            | 1486.4      |      |     |       |     |     |      |    |
|                | STD        | 00150       | 08.36           | 34.72       | 27.02       |                   | 1486.4      |      |     |       |     |     |      |    |
|                | OBS        | 00150       | 08.36           | 34.725      | 27.02       |                   | 1486.3      |      |     |       |     |     |      |    |
|                | OBS        | 00154       | 08.32           | 34.700      | 27.01       |                   | 1485.1      |      |     |       |     |     |      |    |
|                | OBS        | 00158       | 07.99           | 34.678      | 27.04       |                   | 1486.5      |      |     |       |     |     |      |    |
|                | OBS        | 00175       | 08.25           | 34.790      | 27.09       |                   | 1486.5      |      |     |       |     |     |      |    |
|                | OBS        | 00178       | 08.24           | 34.826      | 27.12       |                   | 1491.6      |      |     |       |     |     |      |    |
|                | OBS        | 00186       | 09.45           | 35.120      | 27.16       | 00.269            | 1491.8      |      |     |       |     |     |      |    |
|                | STD        | 00200       | 09.46           | 35.12       | 27.16       |                   | 1492.0      |      |     |       |     |     |      |    |
|                | OBS        | 00201       | 09.49           | 35.120      | 27.15       |                   | 1493.3      |      |     |       |     |     |      |    |
|                | OBS        | 00211       | 09.78           | 35.200      | 27.16       |                   | 1493.4      |      |     |       |     |     |      |    |
|                | OBS        | 00215       | 09.79           | 35.200      | 27.16       |                   | 1491.2      |      |     |       |     |     |      |    |
|                | OBS        | 00222       | 09.19           | 35.070      | 27.16       |                   | 1487.0      |      |     |       |     |     |      |    |
|                | OBS        | 00232       | 08.11           | 34.850      | 27.17       |                   | 1485.0      |      |     |       |     |     |      |    |
|                | OBS        | 00236       | 07.61           | 34.765      | 27.23       | 00.315            | 1483.4      |      |     |       |     |     |      |    |
|                | STD        | 00250       | 07.14           | 34.75       | 27.23       |                   | 1483.2      |      |     |       |     |     |      |    |
|                | OBS        | 00251       | 07.10           | 34.755      | 27.23       |                   | 1484.1      |      |     |       |     |     |      |    |
|                | OBS        | 00258       | 07.28           | 34.815      | 27.25       |                   | 1483.9      |      |     |       |     |     |      |    |
|                | OBS        | 00268       | 07.19           | 34.795      | 27.25       |                   | 1481.3      |      |     |       |     |     |      |    |
|                | OBS        | 00272       | 06.54           | 34.675      | 27.25       |                   | 1481.1      |      |     |       |     |     |      |    |
|                | OBS        | 00276       | 06.48           | 34.690      | 27.27       |                   | 1480.6      |      |     |       |     |     |      |    |
|                | OBS        | 00281       | 06.34           | 34.657      | 27.26       |                   | 1479.1      |      |     |       |     |     |      |    |
|                | OBS        | 00285       | 05.96           | 34.600      | 27.26       |                   | 1477.1      |      |     |       |     |     |      |    |
|                | OBS        | 00291       | 05.46           | 34.530      | 27.27       |                   | 1477.1      |      |     |       |     |     |      |    |
|                | OBS        | 00298       | 05.42           | 34.580      | 27.31       |                   | 1478.0      |      |     |       |     |     |      |    |
|                | STD        | 00300       | 05.62           | 34.62       | 27.32       | 00.358            | 1480.6      |      |     |       |     |     |      |    |
|                | OBS        | 00306       | 06.21           | 34.750      | 27.35       |                   | 1480.6      |      |     |       |     |     |      |    |
|                | OBS        | 00308       | 06.19           | 34.750      | 27.35       |                   | 1479.7      |      |     |       |     |     |      |    |
|                | OBS        | 00325       | 05.90           | 34.745      | 27.39       |                   | 1485.3      |      |     |       |     |     |      |    |
|                | OBS        | 00335       | 07.18           | 35.020      | 27.43       |                   | 1485.8      |      |     |       |     |     |      |    |
|                | OBS        | 00350       | 07.24           | 35.035      | 27.43       |                   | 1484.8      |      |     |       |     |     |      |    |
|                | STD        | 00400       | 06.79           | 35.04       | 27.50       | 00.431            | 1484.8      |      |     |       |     |     |      |    |
|                | OBS        | 00401       | 06.77           | 35.045      | 27.51       |                   | 1483.6      |      |     |       |     |     |      |    |
|                | OBS        | 00449       | 06.27           | 35.000      | 27.54       |                   | 1481.4      |      |     |       |     |     |      |    |
|                | OBS        | 00456       | 05.73           | 34.940      | 27.56       | 00.492            | 1481.1      |      |     |       |     |     |      |    |
|                | STD        | 00500       | 05.48           | 34.94       | 27.59       |                   | 1481.1      |      |     |       |     |     |      |    |
|                | OBS        | 00500       | 05.48           | 34.940      | 27.59       |                   | 1482.0      |      |     |       |     |     |      |    |
|                | OBS        | 00552       | 05.57           | 35.03       | 27.66       | 00.547            | 1483.3      |      |     |       |     |     |      |    |
|                | STD        | 00600       | 05.57           | 35.035      | 27.66       |                   | 1483.3      |      |     |       |     |     |      |    |
|                | OBS        | 00649       | 05.40           | 35.020      | 27.66       |                   | 1481.1      |      |     |       |     |     |      |    |
|                | OBS        | 00656       | 04.85           | 34.935      | 27.66       |                   | 1481.1      |      |     |       |     |     |      |    |
|                | STD        | 00700       | 04.67           | 34.94       | 27.69       | 00.598            | 1481.1      |      |     |       |     |     |      |    |
|                | OBS        | 00700       | 04.67           | 34.945      | 27.69       |                   | 1482.3      |      |     |       |     |     |      |    |
|                | OBS        | 00750       | 04.74           | 34.960      | 27.69       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | STD        | 00800       | 04.40           | 34.92       | 27.70       | 00.646            | 1481.6      |      |     |       |     |     |      |    |
|                | OBS        | 00801       | 04.39           | 34.920      | 27.70       |                   | 1481.8      |      |     |       |     |     |      |    |
|                | OBS        | 00850       | 04.24           | 34.910      | 27.71       | 00.695            | 1482.2      |      |     |       |     |     |      |    |
|                | STD        | 00900       | 04.15           | 34.90       | 27.71       |                   | 1482.3      |      |     |       |     |     |      |    |
|                | OBS        | 00902       | 04.15           | 34.900      | 27.71       |                   | 1483.4      |      |     |       |     |     |      |    |
|                | OBS        | 00951       | 04.21           | 34.940      | 27.74       |                   | 1483.5      |      |     |       |     |     |      |    |
|                | OBS        | 00997       | 04.06           | 34.910      | 27.73       | 00.742            | 1483.9      |      |     |       |     |     |      |    |
|                | STD        | 01000       | 04.07           | 34.92       | 27.73       |                   | 1483.9      |      |     |       |     |     |      |    |
|                | OBS        | 01001       | 04.07           | 34.920      | 27.74       |                   | 1484.1      |      |     |       |     |     |      |    |
|                | OBS        | 01026       | 04.08           | 34.920      | 27.74       |                   |             |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTDP 03475 | ATA TEMP        | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
| CONSEC 0055    | MONTH 06  | SHIP EV     | WET BULB        | 35 2 2      | WIND-SPD 06 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 53.8N   | DAY 29    | DATA USE 1  | BAROMETR 1019.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 46 |      |     |       |     |     |      |    |
| LONG 046 35.5W | HOOR 20.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X1  | ORIG 011 657      | 1 SQUARE 46 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEPP            | SAL         | SIGMA-T     | DYNDPTH           | SAD VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
| 20.7           | STD       | 00000       | 05.72           | 32.58       | 26.01       | 00.000            | 1471.3      |      |     |       |     |     |      |    |
|                | OBS       | 00001       | 05.72           | 32.577      | 26.01       |                   | 1471.3      |      |     |       |     |     |      |    |
|                | OBS       | 00005       | 05.74           | 32.975      | 26.01       |                   | 1471.4      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 05.59           | 32.57       | 26.02       | 00.020            | 1470.9      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 05.55           | 32.970      | 26.03       |                   | 1470.8      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 05.35           | 32.99       | 26.06       | 00.040            | 1470.1      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 05.33           | 32.990      | 26.07       |                   | 1470.3      |      |     |       |     |     |      |    |
|                | OBS       | 00022       | 05.28           | 32.985      | 26.07       |                   | 1469.9      |      |     |       |     |     |      |    |
|                | OBS       | 00024       | 04.86           | 33.045      | 26.17       |                   | 1466.2      |      |     |       |     |     |      |    |
|                | OBS       | 00026       | 04.82           | 33.065      | 26.18       |                   | 1466.1      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 03.50           | 32.95       | 26.25       | 00.058            | 1468.6      |      |     |       |     |     |      |    |
|                | OBS       | 00030       | 02.93           | 32.915      | 26.25       |                   | 1468.0      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | 02.31           | 33.195      | 26.53       |                   | 1457.7      |      |     |       |     |     |      |    |
|                | OBS       | 00036       | 02.31           | 33.235      | 26.55       |                   | 1457.6      |      |     |       |     |     |      |    |
|                | OBS       | 00038       | 01.18           | 33.165      | 26.56       |                   | 1452.7      |      |     |       |     |     |      |    |
|                | OBS       | 00041       | 01.12           | 33.265      | 26.66       |                   | 1452.7      |      |     |       |     |     |      |    |
|                | OBS       | 00043       | 00.60           | 33.287      | 26.72       |                   | 1450.4      |      |     |       |     |     |      |    |
|                | STD       | 00050       | 00.11           | 33.49       | 26.90       | 00.088            | 1446.5      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | 00.03           | 33.525      | 26.93       |                   | 1446.2      |      |     |       |     |     |      |    |
|                | OBS       | 00066       | - 0.04          | 33.635      | 27.03       |                   | 1446.3      |      |     |       |     |     |      |    |
|                | OBS       | 00070       | - 0.29          | 33.625      | 27.03       |                   | 1447.2      |      |     |       |     |     |      |    |
|                | OBS       | 00074       | - 0.18          | 33.755      | 27.16       |                   | 1448.0      |      |     |       |     |     |      |    |
|                | STD       | 00075       | - 0.10          | 33.79       | 27.16       | 00.114            | 1448.4      |      |     |       |     |     |      |    |
|                | OBS       | 00085       | 00.61           | 32.855      | 27.17       |                   | 1451.5      |      |     |       |     |     |      |    |
|                | OBS       | 00087       | 00.68           | 33.875      | 27.18       |                   | 1452.3      |      |     |       |     |     |      |    |
|                | OBS       | 00091       | 01.23           | 33.935      | 27.19       |                   | 1454.9      |      |     |       |     |     |      |    |
|                | OBS       | 00097       | 00.30           | 33.850      | 27.18       |                   | 1450.7      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 00.91           | 33.89       | 27.18       | 00.137            | 1453.6      |      |     |       |     |     |      |    |
|                | OBS       | 00110       | 02.00           | 34.045      | 27.23       |                   | 1456.8      |      |     |       |     |     |      |    |
|                | OBS       | 00112       | 02.01           | 34.115      | 27.28       |                   | 1458.9      |      |     |       |     |     |      |    |
|                | OBS       | 00114       | 02.21           | 34.195      | 27.33       |                   | 1460.0      |      |     |       |     |     |      |    |
|                | OBS       | 00116       | 02.72           | 34.255      | 27.33       |                   | 1462.3      |      |     |       |     |     |      |    |
|                | OBS       | 00118       | 02.61           | 34.275      | 27.34       |                   | 1462.7      |      |     |       |     |     |      |    |
|                | OBS       | 00121       | 03.65           | 34.405      | 27.37       |                   | 1466.6      |      |     |       |     |     |      |    |
|                | OBS       | 00123       | 03.87           | 34.445      | 27.38       |                   | 1467.6      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 03.76           | 34.43       | 27.38       | 00.157            | 1467.1      |      |     |       |     |     |      |    |
|                | OBS       | 00148       | 03.07           | 34.345      | 27.37       |                   | 1464.5      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 03.10           | 34.34       | 27.37       | 00.175            | 1464.6      |      |     |       |     |     |      |    |
|                | OBS       | 00150       | 02.13           | 34.345      | 27.37       |                   | 1464.7      |      |     |       |     |     |      |    |
|                | OBS       | 00156       | 04.64           | 34.590      | 27.41       |                   | 1471.5      |      |     |       |     |     |      |    |
|                | OBS       | 00165       | 05.08           | 34.635      | 27.45       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | 03.54           | 34.455      | 27.42       |                   | 1467.1      |      |     |       |     |     |      |    |
|                | OBS       | 00177       | 03.53           | 34.460      | 27.43       |                   | 1467.1      |      |     |       |     |     |      |    |
|                | OBS       | 00180       | 02.76           | 34.365      | 27.42       |                   | 1463.7      |      |     |       |     |     |      |    |
|                | OBS       | 00188       | 03.36           | 34.480      | 27.46       |                   | 1466.5      |      |     |       |     |     |      |    |
|                | OBS       | 00190       | 03.65           | 34.555      | 27.45       |                   | 1467.9      |      |     |       |     |     |      |    |
|                | OBS       | 00194       | 04.15           | 34.615      | 27.46       |                   | 1470.2      |      |     |       |     |     |      |    |
|                | OBS       | 00196       | 04.17           | 34.625      | 27.45       |                   | 1470.3      |      |     |       |     |     |      |    |
|                | OBS       | 00199       | 04.74           | 34.695      | 27.48       |                   | 1472.8      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 04.74           | 34.69       | 27.48       | 00.209            | 1472.8      |      |     |       |     |     |      |    |
|                | OBS       | 00201       | 04.76           | 34.695      | 27.48       |                   | 1472.9      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 04.80           | 34.745      | 27.52       |                   | 1473.6      |      |     |       |     |     |      |    |
|                | OBS       | 00247       | 04.70           | 34.735      | 27.52       |                   | 1473.5      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 04.49           | 34.72       | 27.53       | 00.239            | 1472.6      |      |     |       |     |     |      |    |
|                | OBS       | 00253       | 04.30           | 34.715      | 27.55       |                   | 1471.9      |      |     |       |     |     |      |    |
|                | OBS       | 00268       | 04.53           | 34.795      | 27.58       |                   | 1473.2      |      |     |       |     |     |      |    |
|                | OBS       | 00277       | 03.46           | 34.655      | 27.58       |                   | 1468.7      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 03.53           | 34.70       | 27.62       | 00.267            | 1469.4      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 03.53           | 34.705      | 27.62       |                   | 1469.4      |      |     |       |     |     |      |    |
|                | OBS       | 00342       | 03.71           | 34.755      | 27.64       |                   | 1470.9      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 03.28           | 34.715      | 27.65       |                   | 1469.2      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 03.44           | 34.78       | 27.65       | 00.314            | 1470.8      |      |     |       |     |     |      |    |
|                | OBS       | 00401       | 03.45           | 34.785      | 27.65       |                   | 1470.5      |      |     |       |     |     |      |    |
|                | OBS       | 00453       | 03.62           | 34.817      | 27.72       |                   | 1472.5      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 03.86           | 34.88       | 27.73       | 00.358            | 1474.3      |      |     |       |     |     |      |    |
|                | OBS       | 00502       | 03.87           | 34.885      | 27.73       |                   | 1474.4      |      |     |       |     |     |      |    |
|                | OBS       | 00550       | 04.02           | 34.905      | 27.73       |                   | 1475.5      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.03           | 34.90       | 27.73       | 00.402            | 1476.7      |      |     |       |     |     |      |    |
|                | OBS       | 00601       | 04.03           | 34.905      | 27.73       |                   | 1476.8      |      |     |       |     |     |      |    |
|                | OBS       | 00651       | 04.07           | 34.955      | 27.76       |                   | 1477.8      |      |     |       |     |     |      |    |
|                | STD       | 00703       | 04.04           | 34.93       | 27.75       | 00.445            | 1478.5      |      |     |       |     |     |      |    |
|                | OBS       | 00702       | 04.03           | 34.935      | 27.75       |                   | 1478.5      |      |     |       |     |     |      |    |
|                | OBS       | 00710       | 03.99           | 34.925      | 27.75       |                   | 1478.4      |      |     |       |     |     |      |    |
|                | OBS       | 00717       | 04.19           | 34.945      | 27.74       |                   | 1479.4      |      |     |       |     |     |      |    |
|                | OBS       | 00750       | 03.90           | 34.920      | 27.75       |                   | 1478.7      |      |     |       |     |     |      |    |
|                | OBS       | 00793       | 04.19           | 34.955      | 27.75       |                   | 1480.7      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 04.17           | 34.94       | 27.75       | 00.488            | 1480.7      |      |     |       |     |     |      |    |
|                | OBS       | 00866       | 04.04           | 34.915      | 27.74       |                   | 1481.2      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 03.99           | 34.92       | 27.74       | 00.533            | 1481.6      |      |     |       |     |     |      |    |
|                | OBS       | 00900       | 03.99           | 34.920      | 27.75       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | OBS       | 00953       | 03.51           | 34.545      | 27.77       |                   | 1482.2      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 03.78           | 34.92       | 27.77       | 00.577            | 1482.4      |      |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.74           | 34.920      | 27.77       |                   | 1482.4      |      |     |       |     |     |      |    |
|                | OBS       | 01024       | 03.76           | 34.924      | 27.77       |                   | 1482.8      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTOP 03017 | AIR TEMP        | DIR MGT PER | WIND-DIR 31 | INST STD RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
| CONSEC 0056    | MONTH 06  | SKIP EV     | WET BULB        | 00 0 X      | WIND-SPD 09 | TRACE DIR 0       | 5 SQUARE 4  |      |     |       |     |     |      |    |
| LAT 45 05.2N   | DAY 30    | DATA USE 1  | BAROMETR 1020.5 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 46 |      |     |       |     |     |      |    |
| LONG 047 04.8W | HOUR 00.1 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | CRIG 011 658      | 1 SQUARE 57 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTP     | DEPTH       | TEMP            | SAL         | SIGMA-T     | DYNDPTH           | SND VEL     | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 00.1           | STD       | 00000       | 06.16           | 33.01       | 25.98       | 00.000            | 1473.1      |      |     |       |     |     |      |    |
|                | OBS       | 00003       | 06.16           | 33.010      | 25.98       |                   | 1473.2      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 05.77           | 33.03       | 26.05       | 00.020            | 1471.7      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 05.71           | 33.030      | 26.06       |                   | 1471.5      |      |     |       |     |     |      |    |
|                | OBS       | 00017       | 05.60           | 33.040      | 26.08       |                   | 1471.1      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 05.40           | 32.99       | 26.06       | 00.040            | 1470.3      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 05.02           | 32.950      | 26.07       |                   | 1468.7      |      |     |       |     |     |      |    |
|                | OBS       | 00022       | 03.72           | 32.830      | 26.11       |                   | 1463.1      |      |     |       |     |     |      |    |
|                | OBS       | 00024       | 03.08           | 33.080      | 26.37       |                   | 1460.8      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 02.40           | 33.22       | 26.54       | 00.057            | 1458.1      |      |     |       |     |     |      |    |
|                | OBS       | 00030       | 02.36           | 33.230      | 26.55       |                   | 1457.9      |      |     |       |     |     |      |    |
|                | OBS       | 00036       | 02.13           | 33.250      | 26.58       |                   | 1457.0      |      |     |       |     |     |      |    |
|                | OBS       | 00038       | 01.84           | 33.270      | 26.62       |                   | 1455.8      |      |     |       |     |     |      |    |
|                | OBS       | 00040       | 01.68           | 33.310      | 26.66       |                   | 1455.2      |      |     |       |     |     |      |    |
|                | OBS       | 00041       | 01.61           | 33.320      | 26.68       |                   | 1454.9      |      |     |       |     |     |      |    |
|                | STD       | 00050       | 00.41           | 33.46       | 26.87       | 00.084            | 1449.8      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | 00.32           | 33.480      | 26.89       |                   | 1449.5      |      |     |       |     |     |      |    |
|                | OBS       | 00055       | 00.26           | 33.520      | 26.92       |                   | 1449.3      |      |     |       |     |     |      |    |
|                | OBS       | 00059       | 00.12           | 33.510      | 26.92       |                   | 1448.7      |      |     |       |     |     |      |    |
|                | OBS       | 00064       | - 0.33          | 33.620      | 27.03       |                   | 1446.9      |      |     |       |     |     |      |    |
|                | OBS       | 00068       | - 0.06          | 33.700      | 27.08       |                   | 1448.3      |      |     |       |     |     |      |    |
|                | STD       | 00075       | 00.01           | 33.75       | 27.12       | 00.111            | 1448.8      |      |     |       |     |     |      |    |
|                | OBS       | 00076       | 00.02           | 33.770      | 27.13       |                   | 1448.9      |      |     |       |     |     |      |    |
|                | OBS       | 00078       | 00.27           | 33.800      | 27.15       |                   | 1450.1      |      |     |       |     |     |      |    |
|                | OBS       | 00097       | 00.44           | 33.955      | 27.25       |                   | 1452.4      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 00.82           | 33.97       | 27.25       | 00.133            | 1453.2      |      |     |       |     |     |      |    |
|                | OBS       | 00102       | 00.89           | 33.980      | 27.25       |                   | 1453.6      |      |     |       |     |     |      |    |
|                | OBS       | 00104       | 00.88           | 33.990      | 27.26       |                   | 1453.6      |      |     |       |     |     |      |    |
|                | OBS       | 00108       | 01.04           | 34.050      | 27.30       |                   | 1454.5      |      |     |       |     |     |      |    |
|                | OBS       | 00116       | 01.52           | 34.190      | 27.35       |                   | 1458.7      |      |     |       |     |     |      |    |
|                | OBS       | 00121       | 02.38           | 34.250      | 27.36       |                   | 1460.9      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 02.42           | 34.25       | 27.36       | 00.153            | 1461.1      |      |     |       |     |     |      |    |
|                | OBS       | 00125       | 02.43           | 34.250      | 27.36       |                   | 1461.2      |      |     |       |     |     |      |    |
|                | OBS       | 00127       | 02.45           | 34.290      | 27.39       |                   | 1461.4      |      |     |       |     |     |      |    |
|                | OBS       | 00129       | 02.79           | 34.350      | 27.41       |                   | 1462.9      |      |     |       |     |     |      |    |
|                | OBS       | 00131       | 02.85           | 34.360      | 27.41       |                   | 1463.3      |      |     |       |     |     |      |    |
|                | OBS       | 00139       | 03.25           | 34.400      | 27.41       |                   | 1465.2      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 03.42           | 34.44       | 27.42       | 00.170            | 1466.1      |      |     |       |     |     |      |    |
|                | OBS       | 00150       | 03.45           | 34.455      | 27.43       |                   | 1466.3      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | 03.62           | 34.530      | 27.48       |                   | 1467.1      |      |     |       |     |     |      |    |
|                | OBS       | 00158       | 04.21           | 34.610      | 27.48       |                   | 1469.8      |      |     |       |     |     |      |    |
|                | OBS       | 00161       | 04.58           | 34.670      | 27.48       |                   | 1471.5      |      |     |       |     |     |      |    |
|                | OBS       | 00173       | 04.56           | 34.650      | 27.47       |                   | 1471.6      |      |     |       |     |     |      |    |
|                | OBS       | 00177       | 04.15           | 34.610      | 27.48       |                   | 1469.9      |      |     |       |     |     |      |    |
|                | OBS       | 00178       | 04.13           | 34.600      | 27.48       |                   | 1469.8      |      |     |       |     |     |      |    |
|                | OBS       | 00184       | 04.56           | 34.660      | 27.48       |                   | 1471.8      |      |     |       |     |     |      |    |
|                | OBS       | 00188       | 04.44           | 34.630      | 27.47       |                   | 1471.3      |      |     |       |     |     |      |    |
|                | OBS       | 00192       | 03.96           | 34.590      | 27.49       |                   | 1469.3      |      |     |       |     |     |      |    |
|                | OBS       | 00198       | 03.85           | 34.580      | 27.49       |                   | 1468.9      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 03.62           | 34.56       | 27.49       | 00.203            | 1467.9      |      |     |       |     |     |      |    |
|                | OBS       | 00203       | 03.36           | 34.540      | 27.51       |                   | 1466.9      |      |     |       |     |     |      |    |
|                | OBS       | 00207       | 03.34           | 34.560      | 27.52       |                   | 1466.9      |      |     |       |     |     |      |    |
|                | OBS       | 00209       | 03.68           | 34.620      | 27.54       |                   | 1468.4      |      |     |       |     |     |      |    |
|                | OBS       | 00213       | 03.72           | 34.640      | 27.55       |                   | 1468.7      |      |     |       |     |     |      |    |
|                | OBS       | 00218       | 04.22           | 34.700      | 27.55       |                   | 1471.0      |      |     |       |     |     |      |    |
|                | OBS       | 00222       | 04.22           | 34.710      | 27.55       |                   | 1471.1      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 04.47           | 34.750      | 27.56       |                   | 1472.2      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 04.72           | 34.80       | 27.57       | 00.232            | 1473.7      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 04.73           | 34.798      | 27.57       |                   | 1473.8      |      |     |       |     |     |      |    |
|                | OBS       | 00260       | 04.50           | 34.790      | 27.59       |                   | 1473.1      |      |     |       |     |     |      |    |
|                | OBS       | 00276       | 04.23           | 34.760      | 27.60       |                   | 1472.0      |      |     |       |     |     |      |    |
|                | OBS       | 00277       | 04.30           | 34.790      | 27.61       |                   | 1472.4      |      |     |       |     |     |      |    |
|                | OBS       | 00287       | 04.05           | 34.752      | 27.61       |                   | 1471.5      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 03.99           | 34.76       | 27.62       | 00.259            | 1471.4      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 02.99           | 34.760      | 27.62       |                   | 1471.4      |      |     |       |     |     |      |    |
|                | OBS       | 00336       | 04.27           | 34.810      | 27.63       |                   | 1473.3      |      |     |       |     |     |      |    |
|                | OBS       | 00340       | 04.05           | 34.790      | 27.64       |                   | 1472.4      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 04.06           | 34.810      | 27.65       |                   | 1472.6      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 04.18           | 34.86       | 27.67       | 00.308            | 1474.0      |      |     |       |     |     |      |    |
|                | OBS       | 00401       | 04.18           | 34.851      | 27.68       |                   | 1474.0      |      |     |       |     |     |      |    |
|                | OBS       | 00451       | 04.17           | 34.880      | 27.69       |                   | 1474.8      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 04.08           | 34.87       | 27.70       | 00.354            | 1475.3      |      |     |       |     |     |      |    |
|                | OBS       | 00500       | 04.08           | 34.870      | 27.70       |                   | 1475.3      |      |     |       |     |     |      |    |
|                | OBS       | 00552       | 04.11           | 34.895      | 27.71       |                   | 1476.3      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.21           | 34.91       | 27.71       | 00.395            | 1477.5      |      |     |       |     |     |      |    |
|                | OBS       | 00601       | 04.21           | 34.910      | 27.71       |                   | 1477.5      |      |     |       |     |     |      |    |
|                | OBS       | 00651       | 04.06           | 34.900      | 27.72       |                   | 1477.7      |      |     |       |     |     |      |    |
|                | STD       | 00700       | 04.05           | 34.92       | 27.74       | 00.444            | 1478.5      |      |     |       |     |     |      |    |
|                | OBS       | 00700       | 04.05           | 34.920      | 27.74       |                   | 1478.5      |      |     |       |     |     |      |    |
|                | OBS       | 00750       | 03.99           | 34.910      | 27.74       |                   | 1478.1      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 03.92           | 34.91       | 27.74       | 00.487            | 1479.6      |      |     |       |     |     |      |    |
|                | OBS       | 00801       | 03.92           | 34.910      | 27.74       |                   | 1479.6      |      |     |       |     |     |      |    |
|                | OBS       | 00850       | 03.63           | 34.900      | 27.75       |                   | 1480.1      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 03.78           | 34.90       | 27.75       | 00.531            | 1480.7      |      |     |       |     |     |      |    |
|                | OBS       | 00900       | 03.78           | 34.900      | 27.75       |                   | 1480.7      |      |     |       |     |     |      |    |
|                | OBS       | 00951       | 03.60           | 34.910      | 27.76       |                   | 1481.6      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 03.74           | 34.90       | 27.76       | 00.575            | 1482.2      |      |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.74           | 34.900      | 27.76       |                   | 1482.2      |      |     |       |     |     |      |    |
|                | OBS       | 01024       | 03.78           | 34.910      | 27.76       |                   | 1482.8      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 02743 | AIN TEMP 06.5   | DIR HGT PER | WIND-DIR 23 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0057    | MONTH 06  | SHIP EV     | WET BULB 06.2   | 00 0 X      | WIND-SPD 04 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 13.0N   | DAY 30    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 46 |
| LONG 047 31.3W | MOUR 03.5 | AREA 05     | CLCUD T/A       | CLZTR       | WEATHER X0  | ORIG 011 659      | 1 SQUARE 57 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 03.5        | STD   | 00000 | 06.51  | 33.04  | 25.96   | 00.000  | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 06.51  | 33.04  | 25.96   |         | 1474.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.44  | 33.04  | 25.57   | 00.020  | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 06.43  | 33.04  | 25.57   |         | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 06.07  | 33.00  | 25.99   |         | 1472.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.52  | 33.10  | 26.13   | 00.040  | 1470.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.44  | 33.117 | 26.16   |         | 1470.7  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 04.91  | 33.25  | 26.32   |         | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 04.54  | 33.345 | 26.44   |         | 1467.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.54  | 33.36  | 26.45   | 00.058  | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.54  | 33.37  | 26.46   |         | 1467.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 03.46  | 33.46  | 26.64   | 00.088  | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 03.33  | 33.49  | 26.67   |         | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 02.50  | 33.69  | 26.91   |         | 1459.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 02.07  | 34.04  | 27.22   | 00.116  | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 02.06  | 34.06  | 27.24   |         | 1458.5  |      |     |       |     |     |      |    |
|             | OBS   | 00081 | 02.04  | 34.16  | 27.32   |         | 1458.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 02.14  | 34.34  | 27.46   | 00.135  | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 02.15  | 34.35  | 27.46   |         | 1459.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 02.49  | 34.47  | 27.53   | 00.150  | 1461.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 02.49  | 34.47  | 27.53   |         | 1461.7  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 02.49  | 34.46  | 27.52   |         | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00146 | 03.17  | 34.605 | 27.58   |         | 1465.2  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 03.08  | 34.61  | 27.55   | 00.164  | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 03.02  | 34.61  | 27.59   |         | 1464.7  |      |     |       |     |     |      |    |
|             | OBS   | 00154 | 03.16  | 34.65  | 27.62   |         | 1465.4  |      |     |       |     |     |      |    |
|             | OBS   | 00167 | 03.66  | 34.89  | 27.60   |         | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 03.92  | 34.74  | 27.61   |         | 1469.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 03.98  | 34.74  | 27.61   | 00.190  | 1469.7  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 03.99  | 34.74  | 27.60   |         | 1469.8  |      |     |       |     |     |      |    |
|             | OBS   | 00207 | 03.83  | 34.74  | 27.62   |         | 1469.2  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 03.57  | 34.77  | 27.63   |         | 1470.1  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 04.07  | 34.81  | 27.65   | 00.214  | 1471.0  |      |     |       |     |     |      |    |
|             | OBS   | 00253 | 04.08  | 34.815 | 27.65   |         | 1471.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 03.90  | 34.813 | 27.67   |         | 1470.7  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 04.28  | 34.87  | 27.68   | 00.238  | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 04.29  | 34.875 | 27.68   |         | 1472.9  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.13  | 34.85  | 27.67   |         | 1473.0  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 04.35  | 34.92  | 27.71   | 00.282  | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 04.35  | 34.92  | 27.71   |         | 1474.8  |      |     |       |     |     |      |    |
| OBS         | 00451 | 04.26 | 34.91  | 27.71  |         | 1475.3  |         |      |     |       |     |     |      |    |
| STD         | 00500 | 04.51 | 34.98  | 27.74  | 00.326  | 1477.2  |         |      |     |       |     |     |      |    |
| OBS         | 00500 | 04.51 | 34.98  | 27.74  |         | 1477.2  |         |      |     |       |     |     |      |    |
| OBS         | 00550 | 04.51 | 34.98  | 27.74  |         | 1478.0  |         |      |     |       |     |     |      |    |
| STD         | 00600 | 04.37 | 34.95  | 27.73  | 00.369  | 1478.3  |         |      |     |       |     |     |      |    |
| OBS         | 00601 | 04.37 | 34.95  | 27.73  |         | 1478.3  |         |      |     |       |     |     |      |    |
| OBS         | 00651 | 04.28 | 34.95  | 27.74  |         | 1478.7  |         |      |     |       |     |     |      |    |
| STD         | 00700 | 04.15 | 34.94  | 27.74  | 00.413  | 1479.0  |         |      |     |       |     |     |      |    |
| OBS         | 00700 | 04.15 | 34.94  | 27.74  |         | 1479.0  |         |      |     |       |     |     |      |    |
| OBS         | 00750 | 04.08 | 34.94  | 27.75  |         | 1479.5  |         |      |     |       |     |     |      |    |
| STD         | 00800 | 04.04 | 34.94  | 27.76  | 00.455  | 1480.2  |         |      |     |       |     |     |      |    |
| OBS         | 00801 | 04.04 | 34.945 | 27.76  |         | 1480.2  |         |      |     |       |     |     |      |    |
| OBS         | 00852 | 04.06 | 34.95  | 27.76  |         | 1481.1  |         |      |     |       |     |     |      |    |
| STD         | 00900 | 03.94 | 34.92  | 27.75  | 00.499  | 1481.4  |         |      |     |       |     |     |      |    |
| OBS         | 00900 | 03.94 | 34.92  | 27.75  |         | 1481.4  |         |      |     |       |     |     |      |    |
| OBS         | 00951 | 03.81 | 34.92  | 27.76  |         | 1481.7  |         |      |     |       |     |     |      |    |
| STD         | 01000 | 03.78 | 34.92  | 27.77  | 00.542  | 1482.4  |         |      |     |       |     |     |      |    |
| OBS         | 01001 | 03.78 | 34.92  | 27.77  |         | 1482.4  |         |      |     |       |     |     |      |    |
| OBS         | 01022 | 03.75 | 34.91  | 27.77  |         | 1482.6  |         |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 01625 | AIR TEMP 06.2   | DIR HGT PER | WIND-DIR 20 | INST STD RECORDER | TEH SQ 1306 |
| CONSEC 0058    | MONTH 06  | SHIP EV     | WET BULB 06.0   | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 23.6N   | DAY 30    | DATA USE 1  | BAROMETR 1019.3 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 48 |
| LONG 048 00.0W | MOOR 06.3 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X0  | ORIG 011 660      | 1 SQUARE 58 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPHTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 06.3        | STD   | 00000 | 05.09 | 32.89  | 26.02   | 00.000   | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 05.09 | 32.895 | 26.02   |          | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 05.10 | 32.906 | 26.03   |          | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 05.08 | 32.923 | 26.05   |          | 1468.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.87 | 32.91  | 26.04   | 00.020   | 1467.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.78 | 32.905 | 26.04   |          | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 04.74 | 32.946 | 26.10   |          | 1467.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.86 | 32.98  | 26.22   | 00.039   | 1463.9  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.59 | 33.010 | 26.27   |          | 1462.8  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 03.01 | 33.110 | 26.40   |          | 1460.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.32 | 33.22  | 26.54   | 00.055   | 1457.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.29 | 33.220 | 26.55   |          | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 02.22 | 33.226 | 26.55   |          | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.91 | 33.283 | 26.63   |          | 1456.1  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 01.70 | 33.356 | 26.70   |          | 1455.3  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 01.40 | 33.326 | 26.85   |          | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 00.55 | 33.438 | 26.82   |          | 1452.1  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.85 | 33.515 | 26.88   |          | 1451.8  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 00.45 | 33.546 | 26.93   |          | 1450.1  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.44 | 33.60  | 26.97   | 00.081   | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.43 | 33.617 | 26.99   |          | 1450.2  |      |     |       |     |     |      |    |
|             | OBS   | 00068 | 00.23 | 33.870 | 27.20   |          | 1449.9  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.34 | 33.93  | 27.25   | 00.105   | 1450.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 00.36 | 33.945 | 27.26   |          | 1450.7  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 00.82 | 34.11  | 27.36   | 00.125   | 1453.4  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 00.83 | 34.110 | 27.36   |          | 1453.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 01.13 | 34.20  | 27.41   | 00.142   | 1455.4  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 01.14 | 34.200 | 27.42   |          | 1455.4  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 01.72 | 34.34  | 27.49   | 00.158   | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 01.75 | 34.350 | 27.49   |          | 1458.6  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 01.90 | 34.410 | 27.53   |          | 1459.9  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 02.15 | 34.50  | 27.58   | 00.187   | 1461.5  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 02.16 | 34.500 | 27.58   |          | 1461.6  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 02.31 | 34.536 | 27.59   |          | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 02.42 | 34.56  | 27.61   | 00.213   | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 02.43 | 34.565 | 27.61   |          | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 02.63 | 34.610 | 27.63   |          | 1465.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.76 | 34.63  | 27.63   | 00.237   | 1466.0  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 02.77 | 34.636 | 27.63   |          | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 03.16 | 34.710 | 27.66   |          | 1468.7  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 03.44 | 34.77  | 27.68   | 00.285   | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 03.45 | 34.770 | 27.68   |          | 1470.8  |      |     |       |     |     |      |    |
|             | OBS   | 00426 | 03.54 | 34.790 | 27.69   |          | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00432 | 03.78 | 34.820 | 27.69   |          | 1472.8  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.76 | 34.820 | 27.69   |          | 1473.0  |      |     |       |     |     |      |    |
|             | OBS   | 00458 | 04.14 | 34.885 | 27.70   |          | 1474.9  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 04.00 | 34.85  | 27.69   | 00.330   | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 04.00 | 34.853 | 27.69   |          | 1474.9  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 03.88 | 34.860 | 27.71   |          | 1475.2  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.88 | 34.88  | 27.72   | 00.375   | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.88 | 34.880 | 27.72   |          | 1476.1  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.90 | 34.880 | 27.72   |          | 1477.0  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.85 | 34.88  | 27.73   | 00.419   | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.85 | 34.886 | 27.73   |          | 1477.6  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.90 | 34.890 | 27.73   |          | 1478.7  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.79 | 34.89  | 27.74   | 00.463   | 1479.1  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.79 | 34.890 | 27.74   |          | 1479.1  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.78 | 34.890 | 27.74   |          | 1479.9  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.78 | 34.89  | 27.74   | 00.507   | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.78 | 34.890 | 27.74   |          | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.71 | 34.885 | 27.75   |          | 1481.2  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.67 | 34.88  | 27.75   | 00.552   | 1481.9  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.67 | 34.880 | 27.75   |          | 1481.9  |      |     |       |     |     |      |    |
|             | OBS   | 01024 | 03.67 | 34.886 | 27.75   |          | 1482.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 01055 | AIR TEMP 05.4   | DIA HGT PER | WIND-DIR 17 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0059    | MONTH 06  | SHIP EV     | WET BULB 05.4   | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 30.5N   | DAY 30    | DATA USE 1  | BAROMETR 1018.6 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 48 |
| LONG 048 16.0W | MOOR 08.8 | AREA 05     | CLLOUD T/A      | CL/TR       | WEATHER X4  | ORIG 011 661      | 1 SQUARE 58 |

| CASTNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 08.8         | STD     | 00000 | 04.76  | 32.67  | 26.34   | 00.000  | 1467.2  |      |     |       |     |     |      |    |
|              | OBS     | 00001 | 04.76  | 32.87  | 26.04   |         | 1467.2  |      |     |       |     |     |      |    |
|              | OBS     | 00009 | 04.74  | 32.87  | 26.04   |         | 1467.3  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 04.71  | 32.66  | 26.04   | 00.020  | 1467.1  |      |     |       |     |     |      |    |
|              | OBS     | 00013 | 04.44  | 32.83  | 26.04   |         | 1466.0  |      |     |       |     |     |      |    |
|              | OBS     | 00015 | 04.22  | 32.81  | 26.05   |         | 1465.1  |      |     |       |     |     |      |    |
|              | OBS     | 00017 | 03.56  | 32.94  | 26.18   |         | 1464.2  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 02.08  | 32.89  | 26.30   | 00.038  | 1454.1  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 01.71  | 32.88  | 26.32   |         | 1454.4  |      |     |       |     |     |      |    |
|              | OBS     | 00022 | 01.25  | 33.05  | 26.45   |         | 1452.6  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 00.61  | 33.07  | 26.54   | 00.055  | 1449.9  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 00.57  | 33.07  | 26.54   |         | 1449.7  |      |     |       |     |     |      |    |
|              | STD     | 00050 | - 1.23 | 33.30  | 26.80   | 00.082  | 1442.0  |      |     |       |     |     |      |    |
|              | OBS     | 00051 | - 1.29 | 33.307 | 26.81   |         | 1441.8  |      |     |       |     |     |      |    |
|              | OBS     | 00059 | - 1.46 | 33.34  | 26.85   |         | 1441.2  |      |     |       |     |     |      |    |
|              | STD     | 00075 | - 1.34 | 33.46  | 26.96   | 00.112  | 1442.2  |      |     |       |     |     |      |    |
|              | OBS     | 00076 | - 1.33 | 33.49  | 26.96   |         | 1442.3  |      |     |       |     |     |      |    |
|              | STD     | 00100 | - 0.85 | 33.65  | 27.08   | 00.138  | 1445.1  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | - 0.83 | 33.66  | 27.08   |         | 1445.3  |      |     |       |     |     |      |    |
|              | STD     | 00125 | - 0.16 | 33.84  | 27.20   | 00.161  | 1449.0  |      |     |       |     |     |      |    |
|              | OBS     | 00125 | - 0.14 | 33.84  | 27.20   |         | 1449.1  |      |     |       |     |     |      |    |
|              | OBS     | 00137 | 00.16  | 33.92  | 27.25   |         | 1450.8  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 00.36  | 33.99  | 27.25   | 00.182  | 1452.0  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 00.37  | 33.99  | 27.29   |         | 1452.1  |      |     |       |     |     |      |    |
|              | OBS     | 00175 | 00.84  | 34.11  | 27.36   |         | 1454.8  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 01.32  | 34.22  | 27.42   | 00.218  | 1457.5  |      |     |       |     |     |      |    |
|              | OBS     | 00201 | 01.34  | 34.23  | 27.43   |         | 1457.6  |      |     |       |     |     |      |    |
|              | OBS     | 00228 | 01.46  | 34.29  | 27.47   |         | 1458.7  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 01.89  | 34.41  | 27.53   | 00.250  | 1461.1  |      |     |       |     |     |      |    |
|              | OBS     | 00251 | 01.91  | 34.42  | 27.54   |         | 1461.2  |      |     |       |     |     |      |    |
|              | OBS     | 00277 | 02.27  | 34.52  | 27.59   |         | 1463.4  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 02.36  | 34.54  | 27.60   | 00.277  | 1464.1  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 02.36  | 34.54  | 27.60   |         | 1464.2  |      |     |       |     |     |      |    |
|              | OBS     | 00350 | 02.65  | 34.60  | 27.62   |         | 1466.3  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 03.01  | 34.67  | 27.64   | 00.327  | 1468.8  |      |     |       |     |     |      |    |
|              | OBS     | 00401 | 03.02  | 34.67  | 27.64   |         | 1468.9  |      |     |       |     |     |      |    |
|              | OBS     | 00451 | 03.22  | 34.71  | 27.65   |         | 1470.6  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 03.51  | 34.77  | 27.67   | 00.375  | 1472.7  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 03.51  | 34.77  | 27.67   |         | 1472.7  |      |     |       |     |     |      |    |
|              | OBS     | 00550 | 03.74  | 34.83  | 27.70   |         | 1474.6  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 03.73  | 34.83  | 27.70   | 00.421  | 1475.4  |      |     |       |     |     |      |    |
|              | OBS     | 00601 | 03.72  | 34.83  | 27.70   |         | 1475.4  |      |     |       |     |     |      |    |
|              | OBS     | 00652 | 03.80  | 34.86  | 27.72   |         | 1476.6  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 03.81  | 34.87  | 27.72   | 00.467  | 1477.4  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 03.81  | 34.87  | 27.72   |         | 1477.5  |      |     |       |     |     |      |    |
|              | OBS     | 00751 | 03.76  | 34.87  | 27.73   |         | 1478.1  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 03.71  | 34.87  | 27.73   | 00.511  | 1478.7  |      |     |       |     |     |      |    |
|              | OBS     | 00801 | 03.71  | 34.87  | 27.73   |         | 1478.7  |      |     |       |     |     |      |    |
|              | OBS     | 00850 | 03.69  | 34.87  | 27.74   |         | 1479.4  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 03.65  | 34.87  | 27.74   | 00.555  | 1480.1  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 03.65  | 34.87  | 27.74   |         | 1480.1  |      |     |       |     |     |      |    |
|              | OBS     | 00951 | 03.66  | 34.87  | 27.74   |         | 1481.0  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 03.65  | 34.85  | 27.72   | 00.601  | 1481.7  |      |     |       |     |     |      |    |
|              | OBS     | 01001 | 03.65  | 34.85  | 27.72   |         | 1481.8  |      |     |       |     |     |      |    |
|              | OBS     | 01022 | 03.63  | 34.84  | 27.73   |         | 1482.0  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00188 | AIR TEMP 05.3   | DIA HGT PER | WIND-DIR 18 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0060    | MONTH 06  | SHIP EV     | WET BULB 05.3   | 18 1 2      | WIND-SPD 14 | TRACE DIR 0       | 5 SQUARE 4  |
| LAT 45 33.5N   | DAY 30    | DATA USE 1  | BAROMETR 1017.9 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 048 26.5W | MOOR 11.5 | AREA 05     | CLLOUD T/A      | CL/TR       | WEATHER X4  | ORIG 011 662      | 1 SQUARE 58 |

| CASTNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|---------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 11.5         | STD     | 00000 | 04.47  | 32.59  | 25.85   | 00.000  | 1465.6  |      |     |       |     |     |      |    |
|              | OBS     | 00000 | 04.47  | 32.59  | 25.85   |         | 1465.6  |      |     |       |     |     |      |    |
|              | OBS     | 00009 | 04.26  | 32.55  | 25.84   |         | 1464.8  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 04.23  | 32.56  | 25.85   | 00.022  | 1464.7  |      |     |       |     |     |      |    |
|              | OBS     | 00011 | 04.15  | 32.58  | 25.87   |         | 1464.4  |      |     |       |     |     |      |    |
|              | OBS     | 00017 | 03.58  | 32.65  | 25.98   |         | 1462.2  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 03.12  | 32.73  | 26.09   | 00.042  | 1460.4  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 02.80  | 32.74  | 26.13   |         | 1459.0  |      |     |       |     |     |      |    |
|              | OBS     | 00022 | 01.83  | 32.76  | 26.21   |         | 1454.8  |      |     |       |     |     |      |    |
|              | OBS     | 00026 | 00.45  | 32.80  | 26.33   |         | 1448.7  |      |     |       |     |     |      |    |
|              | OBS     | 00028 | - 0.29 | 33.01  | 26.54   |         | 1445.7  |      |     |       |     |     |      |    |
|              | STD     | 00030 | - 0.62 | 33.01  | 26.55   | 00.059  | 1444.2  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | - 0.72 | 33.005 | 26.55   |         | 1443.7  |      |     |       |     |     |      |    |
|              | OBS     | 00034 | - 1.29 | 33.025 | 26.58   |         | 1441.1  |      |     |       |     |     |      |    |
|              | STD     | 00050 | - 1.68 | 33.23  | 26.76   | 00.087  | 1439.8  |      |     |       |     |     |      |    |
|              | OBS     | 00051 | - 1.70 | 33.24  | 26.77   |         | 1439.8  |      |     |       |     |     |      |    |
|              | OBS     | 00060 | - 1.73 | 33.267 | 26.79   |         | 1439.8  |      |     |       |     |     |      |    |
|              | STD     | 00075 | - 1.69 | 33.31  | 26.83   | 00.119  | 1440.3  |      |     |       |     |     |      |    |
|              | OBS     | 00076 | - 1.68 | 33.320 | 26.83   |         | 1440.4  |      |     |       |     |     |      |    |
|              | STD     | 00100 | - 1.14 | 33.54  | 26.99   | 00.147  | 1443.6  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | - 1.18 | 33.54  | 27.00   |         | 1443.7  |      |     |       |     |     |      |    |
|              | STD     | 00125 | - 1.09 | 33.53  | 26.99   | 00.176  | 1444.3  |      |     |       |     |     |      |    |
|              | OBS     | 00125 | - 1.09 | 33.53  | 26.99   |         | 1444.3  |      |     |       |     |     |      |    |
|              | STD     | 00150 | - 1.06 | 33.54  | 26.99   | 00.201  | 1444.8  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | - 1.06 | 33.54  | 26.99   |         | 1444.8  |      |     |       |     |     |      |    |
|              | OBS     | 00175 | - 1.03 | 33.56  | 27.01   |         | 1445.4  |      |     |       |     |     |      |    |
|              | OBS     | 00190 | - 0.95 | 33.60  | 27.04   |         | 1446.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00091 | AIR TEMP 07.2   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0061    | MONTH 06  | SHIP EV     | WET BULB 06.8   | 05 5 6      | WIND-SPD 17 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 38.8N   | DAY 30    | DATA USE 1  | BAROMETR 1018.1 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 048 39.0W | HOOR 12.6 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | ORIG 011 6630025  | 1 SQUARE 58 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 12.6        | STD   | 00000 | 04.92  | 32.69  | 25.88   | 00.000 | 1467.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 04.92  | 32.696 | 25.88   |        | 1467.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.90  | 32.67  | 25.86   | 00.021 | 1467.6  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.83  | 32.666 | 25.86   |        | 1467.4  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 04.71  | 32.656 | 25.87   |        | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 03.81  | 32.550 | 25.88   |        | 1463.0  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.06  | 32.685 | 26.06   |        | 1460.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.02  | 32.70  | 26.08   | 00.042 | 1459.9  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.92  | 32.745 | 26.12   |        | 1459.6  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 02.14  | 32.776 | 26.21   |        | 1456.3  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 01.90  | 32.760 | 26.21   |        | 1455.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.47  | 32.81  | 26.24   | 00.060 | 1453.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.35  | 32.825 | 26.30   |        | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 01.02  | 32.890 | 26.37   |        | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 00.89  | 32.896 | 26.38   |        | 1451.0  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 0.70 | 32.930 | 26.49   |        | 1443.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.46 | 33.21  | 26.74   | 00.091 | 1440.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.49 | 33.215 | 26.74   |        | 1440.7  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | - 1.51 | 33.215 | 26.74   |        | 1440.7  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.45 | 33.28  | 26.79   | 00.123 | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.45 | 33.280 | 26.79   |        | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | - 1.48 | 33.330 | 26.84   |        | 1441.6  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00071 | AIR TEMP 06.3   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0062    | MONTH 06  | SHIP EV     | WET BULB 06.3   | 20 2 2      | WIND-SPD 13 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 42.5N   | DAY 30    | DATA USE 1  | BAROMETR 1017.7 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 048 48.5W | HOOR 13.7 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X7  | ORIG 011 664 18   | 1 SQUARE 58 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 13.7        | STD   | 00000 | 06.42  | 32.64  | 25.66   | 00.000 | 1473.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 06.42  | 32.646 | 25.66   |        | 1473.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.41  | 32.64  | 25.66   | 00.023 | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 06.41  | 32.636 | 25.65   |        | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 06.36  | 32.615 | 25.65   |        | 1473.6  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 05.80  | 32.646 | 25.74   |        | 1471.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.75  | 32.69  | 25.78   | 00.046 | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.74  | 32.700 | 25.79   |        | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 05.73  | 32.700 | 25.79   |        | 1471.3  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 04.89  | 32.580 | 25.79   |        | 1467.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.37  | 32.60  | 25.87   | 00.068 | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.18  | 32.615 | 25.90   |        | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 03.42  | 32.670 | 26.01   |        | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 02.99  | 32.826 | 26.17   |        | 1460.2  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 02.08  | 32.736 | 26.17   |        | 1456.2  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 01.23  | 32.860 | 26.33   |        | 1452.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.01 | 32.87  | 26.41   | 00.106 | 1447.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.50 | 32.875 | 26.44   |        | 1444.9  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | - 0.98 | 33.106 | 26.64   |        | 1443.0  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | - 1.17 | 33.120 | 26.66   |        | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 1.17 | 33.160 | 26.69   |        | 1442.5  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00068 | AIR TEMP 07.1   | DIR MGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0063    | MONTH 06  | SHIP EV     | WET BULB 06.7   | 24 4 6      | WIND-SPD 18 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 45.5N   | DAY 30    | DATA USE 1  | BAROMETR 1016.0 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 048 58.0W | HOOR 14.6 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X6  | ORIG 011 665      | 1 SQUARE 58 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 14.6        | STD   | 00000 | 06.22  | 32.51  | 25.59   | 00.000 | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 06.22  | 32.515 | 25.59   |        | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 06.20  | 32.520 | 25.59   |        | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.13  | 32.51  | 25.59   | 00.024 | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 05.52  | 32.456 | 25.62   |        | 1470.0  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 05.15  | 32.515 | 25.71   |        | 1468.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.93  | 32.48  | 25.71   | 00.048 | 1467.7  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 03.86  | 32.470 | 25.81   |        | 1463.3  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 03.40  | 32.545 | 25.92   |        | 1461.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 03.18  | 32.65  | 26.02   | 00.069 | 1460.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 03.15  | 32.657 | 26.03   |        | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 02.52  | 32.630 | 26.06   |        | 1457.9  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 00.86  | 32.715 | 26.24   |        | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.52  | 32.785 | 26.31   |        | 1449.3  |      |     |       |     |     |      |    |
|             | OBS   | 00049 | 00.27  | 32.795 | 26.34   |        | 1448.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.18  | 32.81  | 26.35   | 00.106 | 1447.9  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.06 | 32.835 | 26.39   |        | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | - 0.72 | 33.040 | 26.58   |        | 1444.3  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | - 0.72 | 33.210 | 26.71   |        | 1444.6  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00073 | AIR TEMP 07.5   | DIR HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0064    | MONTH 06  | SHIP EV     | WET BULB 07.3   | 22 2 3      | WIND-SPD 16 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 24.0N   | DAY 30    | DATA USE 1  | BAROMETR 1015.2 | SEA         | WIND-FDR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 07.4W | MOUR 17.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X9  | ORIG 011 666      | 1 SQUARE 59 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | CRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 17.0        | STD   | 00000 | 06.70  | 32.59  | 25.58   | 00.000  | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 06.70  | 32.590 | 25.58   |         | 1474.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.66  | 32.58  | 25.59   | 00.024  | 1474.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 06.58  | 32.580 | 25.59   |         | 1474.4  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 06.03  | 32.550 | 25.64   |         | 1472.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.39  | 32.49  | 25.77   | 00.047  | 1465.4  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.99  | 32.467 | 25.80   |         | 1463.7  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.33  | 32.690 | 26.04   |         | 1461.3  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 02.77  | 32.680 | 26.08   |         | 1458.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.37  | 32.73  | 26.15   | 00.068  | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.25  | 32.750 | 26.18   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.80  | 32.795 | 26.24   |         | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 01.57  | 32.847 | 26.30   |         | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 01.36  | 32.820 | 26.29   |         | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 00.25  | 32.800 | 26.34   |         | 1448.1  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | - 0.16 | 32.840 | 26.39   |         | 1446.3  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | - 0.95 | 32.940 | 26.51   |         | 1442.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.07 | 33.03  | 26.58   | 00.101  | 1442.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.13 | 33.070 | 26.62   |         | 1442.2  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | - 1.19 | 33.100 | 26.64   |         | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | - 1.18 | 33.120 | 26.66   |         | 1442.4  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00068 | AIR TEMP 08.5   | DIR HGT PER | WIND-DIR 01 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0065    | MONTH 06  | SHIP EV     | WET BULB 08.3   | 23 2 2      | WIND-SPD 13 | TRACE DIR D       | 5 SQUARE 4  |
| LAT 45 06.0N   | DAY 30    | DATA USE 1  | BAROMETR 1016.2 | SEA         | WIND-FDR    | CURATICA          | 2 SQUARE 48 |
| LONG 049 14.5W | MOUR 19.3 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X9  | ORIG 011 667      | 1 SQUARE 59 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | CRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 19.3        | STD   | 00000 | 05.81  | 32.77  | 25.84   | 00.000  | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 05.81  | 32.767 | 25.84   |         | 1471.4  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 05.76  | 32.770 | 25.84   |         | 1471.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 05.32  | 32.73  | 25.86   | 00.022  | 1469.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 05.11  | 32.700 | 25.86   |         | 1468.6  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 04.87  | 32.660 | 25.86   |         | 1467.6  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 03.73  | 32.667 | 25.98   |         | 1462.9  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.66  | 32.52  | 25.96   | 00.043  | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.18  | 32.480 | 25.57   |         | 1455.9  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 00.55  | 32.650 | 26.18   |         | 1450.7  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.27 | 32.83  | 26.35   | 00.061  | 1445.5  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.36 | 32.850 | 26.41   |         | 1445.1  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | - 1.05 | 33.057 | 26.60   |         | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | - 1.18 | 33.120 | 26.66   |         | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.24 | 33.10  | 26.69   | 00.091  | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.24 | 33.160 | 26.65   |         | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | - 1.25 | 33.160 | 26.65   |         | 1441.5  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | - 1.24 | 33.160 | 26.71   |         | 1442.1  |      |     |       |     |     |      |    |

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|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00062 | AIR TEMP 08.4   | DIR HGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0066    | MONTH 06  | SHIP EV     | WET BULB 08.0   | 19 1 2      | WIND-SPD 10 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 44 40.0N   | DAY 30    | DATA USE 1  | BAROMETR 1016.2 | SEA         | WIND-FDR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 21.5W | MOUR 22.2 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 668      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNDPTH | SND VEL | CRYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.2        | STD   | 00000 | 06.95  | 32.62  | 25.58   | 00.000  | 1475.7  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 06.95  | 32.620 | 25.58   |         | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 06.90  | 32.610 | 25.58   |         | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.32  | 32.59  | 25.63   | 00.024  | 1473.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 05.52  | 32.578 | 25.67   |         | 1471.7  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 05.31  | 32.663 | 25.81   |         | 1469.4  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 05.02  | 32.640 | 25.83   |         | 1468.2  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.28  | 32.450 | 25.85   |         | 1460.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.82  | 32.53  | 25.96   | 00.046  | 1458.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 02.46  | 32.585 | 26.03   |         | 1457.3  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 01.86  | 32.647 | 26.12   |         | 1454.8  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 01.08  | 32.605 | 26.14   |         | 1451.3  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 00.29  | 32.830 | 26.36   |         | 1448.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.09 | 33.00  | 26.52   | 00.064  | 1446.6  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.14 | 33.017 | 26.54   |         | 1446.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.35 | 33.07  | 26.59   | 00.094  | 1445.8  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 0.36 | 33.076 | 26.59   |         | 1445.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 00241 | AIA TEMP 08.2    | DIA HGT PER | WIND-DIA 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0067    | MONTH 06  | SHIP EV     | NET BULB 07.8    | 22 1 2      | WIND-SPD 10 | TRACE DIR U       | 5 SQUARE 2  |
| LAT 44 39.0N   | DAY 30    | DATA USE 1  | BAROMETER 1016.2 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 08.5W | MOUR 23.5 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X2  | ORIG 011 669      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 23.5        | STD   | 00000 | 04.76  | 32.72  | 25.92   | 00.000 | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 04.76  | 32.720 | 25.92   |        | 1467.0  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.73  | 32.72  | 25.92   | 00.021 | 1467.0  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.65  | 32.704 | 25.92   |        | 1466.7  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.83  | 32.624 | 25.94   |        | 1463.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.42  | 32.66  | 26.01   | 00.041 | 1461.6  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 02.69  | 32.740 | 26.13   |        | 1456.6  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 02.54  | 32.770 | 26.17   |        | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 01.87  | 32.724 | 26.18   |        | 1455.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.27  | 32.87  | 26.34   | 00.060 | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.20  | 32.875 | 26.35   |        | 1452.3  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 00.77  | 32.853 | 26.36   |        | 1450.4  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 00.13  | 32.820 | 26.36   |        | 1447.5  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 0.22 | 32.935 | 26.47   |        | 1446.0  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | - 0.42 | 32.970 | 26.51   |        | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | - 0.97 | 33.120 | 26.65   |        | 1442.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.13 | 33.16  | 26.65   | 00.091 | 1442.3  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.15 | 33.167 | 26.69   |        | 1442.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.43 | 33.24  | 26.77   | 00.124 | 1441.4  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.44 | 33.247 | 26.77   |        | 1441.4  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.45 | 33.25  | 26.77   | 00.156 | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.45 | 33.255 | 26.77   |        | 1441.8  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.48 | 33.28  | 26.79   | 00.187 | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.48 | 33.277 | 26.79   |        | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00131 | - 1.51 | 33.290 | 26.80   |        | 1442.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 1.30 | 33.44  | 26.92   | 00.217 | 1443.6  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 1.29 | 33.447 | 26.93   |        | 1443.6  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | - 0.77 | 33.680 | 27.10   |        | 1446.8  |      |     |       |     |     |      |    |
|             | STD   | 00200 | - 0.34 | 33.76  | 27.14   | 00.269 | 1449.3  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | - 0.32 | 33.760 | 27.14   |        | 1449.4  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | - 0.15 | 33.811 | 27.18   |        | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | - 0.14 | 33.815 | 27.18   |        | 1450.8  |      |     |       |     |     |      |    |

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|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 01400 | AIA TEMP 07.9    | DIA HGT PER | WIND-DIA 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0068    | MONTH 07  | SHIP EV     | NET BULB 07.1    | 22 2 2      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 36.2N   | DAY 01    | DATA USE 1  | BAROMETER 1016.3 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 57.0W | MOUR 00.8 | AREA 05     | CLUD T/A         | CL/TR       | WEATHER X4  | ORIG 011 670      | 1 SQUARE 48 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 00.8        | STD   | 00000 | 04.68  | 32.66  | 25.86   | 00.000 | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 04.68  | 32.660 | 25.88   |        | 1466.6  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 03.06  | 32.690 | 26.06   |        | 1459.9  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 02.91  | 32.69  | 26.08   | 00.020 | 1459.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 02.50  | 32.695 | 26.11   |        | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 00.93  | 32.980 | 26.45   |        | 1451.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 00.85  | 32.97  | 26.44   | 00.038 | 1450.7  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 00.77  | 32.960 | 26.44   |        | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.88 | 33.08  | 26.61   | 00.053 | 1443.1  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 1.17 | 33.115 | 26.65   |        | 1441.8  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | - 1.63 | 33.205 | 26.74   |        | 1439.8  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | - 1.71 | 33.260 | 26.79   |        | 1439.6  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.59 | 33.31  | 26.82   | 00.080 | 1440.4  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.57 | 33.320 | 26.83   |        | 1440.5  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.51 | 33.32  | 26.83   | 00.110 | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.51 | 33.320 | 26.83   |        | 1441.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.43 | 33.38  | 26.88   | 00.141 | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.42 | 33.385 | 26.88   |        | 1442.1  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.21 | 33.49  | 26.96   | 00.169 | 1445.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | - 1.20 | 33.490 | 26.96   |        | 1445.7  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.99 | 33.57  | 27.02   | 00.196 | 1445.2  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.98 | 33.577 | 27.02   |        | 1445.3  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | - 0.48 | 33.755 | 27.15   |        | 1448.2  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 00.07  | 33.89  | 27.23   | 00.243 | 1451.4  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 00.16  | 33.915 | 27.24   |        | 1451.9  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 00.71  | 34.050 | 27.32   |        | 1454.9  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | 01.04  | 34.150 | 27.39   |        | 1456.7  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 01.25  | 34.20  | 27.41   | 00.281 | 1458.0  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 01.27  | 34.210 | 27.41   |        | 1458.1  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 01.79  | 34.405 | 27.53   |        | 1461.1  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 02.17  | 34.47  | 27.56   | 00.312 | 1463.2  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 02.20  | 34.480 | 27.56   |        | 1463.4  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.44  | 34.545 | 27.59   |        | 1465.3  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 02.76  | 34.61  | 27.62   | 00.365 | 1467.6  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 02.77  | 34.610 | 27.62   |        | 1467.7  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 03.01  | 34.665 | 27.64   |        | 1469.6  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 03.40  | 34.74  | 27.67   | 00.414 | 1472.2  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 03.40  | 34.757 | 27.68   |        | 1472.2  |      |     |       |     |     |      |    |
|             | OBS   | 00552 | 03.50  | 34.763 | 27.67   |        | 1473.5  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 03.60  | 34.79  | 27.68   | 00.461 | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 03.60  | 34.787 | 27.68   |        | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 03.83  | 34.850 | 27.71   |        | 1476.7  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 03.88  | 34.84  | 27.71   | 00.508 | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 03.88  | 34.840 | 27.71   |        | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 03.87  | 34.860 | 27.71   |        | 1478.5  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 03.85  | 34.87  | 27.72   | 00.554 | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 03.85  | 34.870 | 27.72   |        | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 03.79  | 34.870 | 27.73   |        | 1479.9  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 03.76  | 34.88  | 27.74   | 00.599 | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 03.76  | 34.880 | 27.74   |        | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 03.71  | 34.875 | 27.74   |        | 1481.2  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 03.69  | 34.88  | 27.74   | 00.645 | 1481.9  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 03.69  | 34.875 | 27.74   |        | 1482.0  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 03.69  | 34.875 | 27.74   |        | 1482.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 0371  | YEAR 1974 | BOTOP 01900 | AIR TEMP 07.4   | DIR MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1304 |
| CONSEC 0049    | MONTH 07  | SHIP EV     | WET BULB 07.1   | 20 2 2      | WIND-SPD 14 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 34.3N   | DAY 01    | DATA USE 1  | BAROMETR 1016.2 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |
| LONG 048 48.5W | HOUR 02.3 | AREA 05     | CLOUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 471      | 1 SQUARE 4P |

| CAS/MIN/TIME | LVL/TYPE | DEPTH | TEMP   | SAL    | SIGMA-T | DYN/DEPTH | SAD VEL | DRY G | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|----------|-------|--------|--------|---------|-----------|---------|-------|-----|-------|-----|-----|------|----|
| 02.3         | STD      | 00000 | 05.17  | 32.77  | 25.91   | 00.000    | 1468.7  |       |     |       |     |     |      |    |
|              | OBS      | 00003 | 05.17  | 32.770 | 25.91   |           | 1468.8  |       |     |       |     |     |      |    |
|              | OBS      | 00007 | 05.16  | 32.760 | 25.91   |           | 1468.8  |       |     |       |     |     |      |    |
|              | OBS      | 00009 | 04.69  | 32.730 | 25.93   |           | 1466.9  |       |     |       |     |     |      |    |
|              | STD      | 00010 | 04.64  | 32.74  | 25.95   | 00.021    | 1466.7  |       |     |       |     |     |      |    |
|              | OBS      | 00011 | 04.51  | 32.774 | 25.99   |           | 1466.2  |       |     |       |     |     |      |    |
|              | OBS      | 00013 | 04.26  | 32.780 | 26.02   |           | 1465.2  |       |     |       |     |     |      |    |
|              | OBS      | 00019 | 03.31  | 32.830 | 26.15   |           | 1461.3  |       |     |       |     |     |      |    |
|              | STD      | 00020 | 03.27  | 32.85  | 26.17   | 00.040    | 1461.2  |       |     |       |     |     |      |    |
|              | OBS      | 00020 | 03.22  | 32.870 | 26.19   |           | 1461.0  |       |     |       |     |     |      |    |
|              | OBS      | 00024 | 02.86  | 32.900 | 26.25   |           | 1459.6  |       |     |       |     |     |      |    |
|              | OBS      | 00026 | 02.81  | 32.920 | 26.27   |           | 1459.4  |       |     |       |     |     |      |    |
|              | STD      | 00030 | 02.52  | 32.94  | 26.30   | 00.058    | 1458.2  |       |     |       |     |     |      |    |
|              | OBS      | 00030 | 02.45  | 32.940 | 26.31   |           | 1457.9  |       |     |       |     |     |      |    |
|              | OBS      | 00034 | 01.63  | 32.890 | 26.33   |           | 1454.3  |       |     |       |     |     |      |    |
|              | OBS      | 00036 | 00.95  | 33.120 | 26.56   |           | 1451.6  |       |     |       |     |     |      |    |
|              | OBS      | 00038 | 00.86  | 33.120 | 26.57   |           | 1451.2  |       |     |       |     |     |      |    |
|              | OBS      | 00043 | - 0.53 | 33.100 | 26.62   |           | 1444.9  |       |     |       |     |     |      |    |
|              | OBS      | 00045 | - 1.07 | 33.200 | 26.72   |           | 1442.6  |       |     |       |     |     |      |    |
|              | STD      | 00050 | - 1.36 | 33.27  | 26.79   | 00.088    | 1441.4  |       |     |       |     |     |      |    |
|              | OBS      | 00051 | - 1.42 | 33.290 | 26.80   |           | 1441.2  |       |     |       |     |     |      |    |
|              | OBS      | 00055 | - 1.47 | 33.320 | 26.83   |           | 1441.0  |       |     |       |     |     |      |    |
|              | OBS      | 00062 | - 1.41 | 33.410 | 26.90   |           | 1441.6  |       |     |       |     |     |      |    |
|              | STD      | 00075 | - 1.36 | 33.50  | 26.97   | 00.118    | 1442.1  |       |     |       |     |     |      |    |
|              | STD      | 00100 | - 0.92 | 33.63  | 27.06   | 00.144    | 1444.6  |       |     |       |     |     |      |    |
|              | OBS      | 00104 | - 0.78 | 33.640 | 27.07   |           | 1445.5  |       |     |       |     |     |      |    |
|              | OBS      | 00106 | - 0.72 | 33.650 | 27.07   |           | 1445.9  |       |     |       |     |     |      |    |
|              | OBS      | 00108 | - 0.69 | 33.650 | 27.07   |           | 1446.0  |       |     |       |     |     |      |    |
|              | OBS      | 00110 | - 0.59 | 33.710 | 27.11   |           | 1446.6  |       |     |       |     |     |      |    |
|              | OBS      | 00119 | - 0.38 | 33.750 | 27.14   |           | 1447.8  |       |     |       |     |     |      |    |
|              | STD      | 00125 | - 0.28 | 33.77  | 27.15   | 00.168    | 1448.3  |       |     |       |     |     |      |    |
|              | OBS      | 00129 | - 0.23 | 33.810 | 27.18   |           | 1448.7  |       |     |       |     |     |      |    |
|              | OBS      | 00140 | - 0.21 | 33.960 | 27.30   |           | 1449.2  |       |     |       |     |     |      |    |
|              | STD      | 00150 | 00.44  | 34.00  | 27.29   | 00.189    | 1452.4  |       |     |       |     |     |      |    |
|              | OBS      | 00150 | 00.46  | 34.000 | 27.30   |           | 1452.5  |       |     |       |     |     |      |    |
|              | OBS      | 00159 | 00.78  | 34.110 | 27.37   |           | 1454.2  |       |     |       |     |     |      |    |
|              | OBS      | 00169 | 01.02  | 34.160 | 27.39   |           | 1455.5  |       |     |       |     |     |      |    |
|              | OBS      | 00180 | 01.29  | 34.240 | 27.44   |           | 1457.1  |       |     |       |     |     |      |    |
|              | OBS      | 00190 | 01.38  | 34.250 | 27.44   |           | 1457.6  |       |     |       |     |     |      |    |
|              | OBS      | 00199 | 01.72  | 34.330 | 27.48   |           | 1459.4  |       |     |       |     |     |      |    |
|              | STD      | 00200 | 01.72  | 34.33  | 27.48   | 00.224    | 1459.4  |       |     |       |     |     |      |    |
|              | OBS      | 00207 | 01.79  | 34.340 | 27.48   |           | 1459.9  |       |     |       |     |     |      |    |
|              | OBS      | 00213 | 01.50  | 34.390 | 27.51   |           | 1460.5  |       |     |       |     |     |      |    |
|              | OBS      | 00226 | 02.32  | 34.440 | 27.52   |           | 1462.6  |       |     |       |     |     |      |    |
|              | STD      | 00250 | 02.39  | 34.45  | 27.52   | 00.255    | 1463.3  |       |     |       |     |     |      |    |
|              | OBS      | 00251 | 02.39  | 34.454 | 27.52   |           | 1463.4  |       |     |       |     |     |      |    |
|              | OBS      | 00277 | 02.27  | 34.490 | 27.56   |           | 1463.3  |       |     |       |     |     |      |    |
|              | STD      | 00300 | 02.32  | 34.53  | 27.59   | 00.282    | 1463.9  |       |     |       |     |     |      |    |
|              | OBS      | 00321 | 02.46  | 34.570 | 27.61   |           | 1465.0  |       |     |       |     |     |      |    |
|              | OBS      | 00352 | 02.83  | 34.640 | 27.65   |           | 1467.2  |       |     |       |     |     |      |    |
|              | STD      | 00400 | 03.32  | 34.75  | 27.68   | 00.331    | 1470.2  |       |     |       |     |     |      |    |
|              | OBS      | 00401 | 03.33  | 34.750 | 27.68   |           | 1470.3  |       |     |       |     |     |      |    |
|              | OBS      | 00451 | 03.45  | 34.770 | 27.68   |           | 1471.7  |       |     |       |     |     |      |    |
|              | STD      | 00500 | 03.62  | 34.80  | 27.69   | 00.377    | 1473.2  |       |     |       |     |     |      |    |
|              | OBS      | 00500 | 03.62  | 34.800 | 27.69   |           | 1473.2  |       |     |       |     |     |      |    |
|              | OBS      | 00550 | 03.71  | 34.820 | 27.70   |           | 1474.5  |       |     |       |     |     |      |    |
|              | STD      | 00600 | 03.83  | 34.85  | 27.71   | 00.423    | 1475.8  |       |     |       |     |     |      |    |
|              | OBS      | 00601 | 03.83  | 34.850 | 27.71   |           | 1475.9  |       |     |       |     |     |      |    |
|              | OBS      | 00651 | 03.88  | 34.860 | 27.71   |           | 1476.9  |       |     |       |     |     |      |    |
|              | STD      | 00700 | 03.92  | 34.87  | 27.71   | 00.469    | 1477.9  |       |     |       |     |     |      |    |
|              | OBS      | 00700 | 03.92  | 34.870 | 27.71   |           | 1477.9  |       |     |       |     |     |      |    |
|              | OBS      | 00750 | 03.90  | 34.880 | 27.72   |           | 1478.7  |       |     |       |     |     |      |    |
|              | STD      | 00800 | 03.87  | 34.89  | 27.73   | 00.514    | 1479.4  |       |     |       |     |     |      |    |
|              | OBS      | 00801 | 03.87  | 34.890 | 27.73   |           | 1479.4  |       |     |       |     |     |      |    |
|              | OBS      | 00850 | 03.86  | 34.890 | 27.73   |           | 1480.2  |       |     |       |     |     |      |    |
|              | STD      | 00900 | 03.88  | 34.90  | 27.74   | 00.559    | 1481.1  |       |     |       |     |     |      |    |
|              | OBS      | 00900 | 03.88  | 34.900 | 27.74   |           | 1481.1  |       |     |       |     |     |      |    |
|              | OBS      | 00951 | 03.82  | 34.900 | 27.75   |           | 1481.7  |       |     |       |     |     |      |    |
|              | STD      | 01000 | 03.81  | 34.90  | 27.75   | 00.604    | 1482.5  |       |     |       |     |     |      |    |
|              | OBS      | 01001 | 03.81  | 34.900 | 27.75   |           | 1482.5  |       |     |       |     |     |      |    |
|              | OBS      | 01022 | 03.81  | 34.890 | 27.74   |           | 1482.8  |       |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 03021 | AIR TEMP 08.8   | DIR HGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0070    | MONTH 07  | SHIP EV     | WET BULB 08.5   | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 44 30.2N   | DAY 01    | DATA USE 1  | BAROMETR 1001.6 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 48 |
| LONG 048 25.3W | HOUR 05.3 | AREA 05     | CLCUD T/A       | CL/7R       | WEATHER X4  | ORIG 011 672      | 1 SQUARE 48 |

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP   | SAL    | SIGMA-T | DYN DPTH | SND VEL | ORVG | PD4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|---------|-------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 05.3          | STD     | 00000 | 08.63  | 32.91  | 25.52   | 00.000   | 1483.7  |      |     |       |     |     |      |    |
|               | OBS     | 00000 | 08.93  | 32.91L | 25.52   |          | 1483.7  |      |     |       |     |     |      |    |
|               | OBS     | 00007 | 08.63  | 32.91L | 25.52   |          | 1483.9  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 08.64  | 32.87  | 25.53   | 00.025   | 1482.8  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 08.69  | 32.855 | 25.54   |          | 1482.2  |      |     |       |     |     |      |    |
|               | OBS     | 00017 | 07.99  | 32.855 | 25.61   |          | 1480.4  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 06.39  | 32.75  | 25.75   | 00.048   | 1474.0  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 05.77  | 32.70W | 25.76   |          | 1471.4  |      |     |       |     |     |      |    |
|               | OBS     | 00022 | 04.28  | 32.58L | 25.86   |          | 1465.2  |      |     |       |     |     |      |    |
|               | OBS     | 00024 | 03.23  | 32.88L | 26.20   |          | 1461.1  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 02.38  | 33.04  | 26.39   | 00.068   | 1457.7  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 02.31  | 33.050 | 26.41   |          | 1457.5  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 00.57  | 33.32  | 26.74   | 00.097   | 1450.4  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 00.39  | 33.34W | 26.77   |          | 1449.6  |      |     |       |     |     |      |    |
|               | OBS     | 00059 | - 0.75 | 33.47L | 26.93   |          | 1444.7  |      |     |       |     |     |      |    |
|               | OBS     | 00068 | 00.75  | 33.650 | 27.00   |          | 1452.0  |      |     |       |     |     |      |    |
|               | OBS     | 00072 | 00.69  | 33.69W | 27.03   |          | 1451.8  |      |     |       |     |     |      |    |
|               | STD     | 00075 | 00.94  | 33.69  | 27.02   | 00.127   | 1453.0  |      |     |       |     |     |      |    |
|               | OBS     | 00078 | 00.98  | 33.720 | 27.04   |          | 1453.3  |      |     |       |     |     |      |    |
|               | OBS     | 00079 | 00.88  | 33.75W | 27.07   |          | 1452.9  |      |     |       |     |     |      |    |
|               | OBS     | 00091 | 00.95  | 33.790 | 27.10   |          | 1453.4  |      |     |       |     |     |      |    |
|               | OBS     | 00093 | 00.88  | 33.98L | 27.26   |          | 1453.4  |      |     |       |     |     |      |    |
|               | OBS     | 00095 | 01.18  | 34.000 | 27.25   |          | 1454.8  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 01.53  | 34.04  | 27.26   | 00.150   | 1456.5  |      |     |       |     |     |      |    |
|               | OBS     | 00104 | 01.77  | 34.065 | 27.26   |          | 1457.7  |      |     |       |     |     |      |    |
|               | OBS     | 00110 | 01.93  | 34.090 | 27.27   |          | 1458.5  |      |     |       |     |     |      |    |
|               | OBS     | 00118 | 02.72  | 34.200 | 27.29   |          | 1462.3  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 02.76  | 34.20  | 27.29   | 00.171   | 1462.6  |      |     |       |     |     |      |    |
|               | OBS     | 00129 | 02.79  | 34.200 | 27.29   |          | 1462.7  |      |     |       |     |     |      |    |
|               | OBS     | 00133 | 02.54  | 34.190 | 27.30   |          | 1461.7  |      |     |       |     |     |      |    |
|               | OBS     | 00137 | 02.51  | 34.200 | 27.31   |          | 1461.7  |      |     |       |     |     |      |    |
|               | OBS     | 00139 | 02.83  | 34.260 | 27.33   |          | 1463.2  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 02.78  | 34.28  | 27.35   | 00.190   | 1463.2  |      |     |       |     |     |      |    |
|               | OBS     | 00152 | 02.77  | 34.285 | 27.36   |          | 1463.1  |      |     |       |     |     |      |    |
|               | OBS     | 00168 | 02.69  | 34.355 | 27.42   |          | 1463.2  |      |     |       |     |     |      |    |
|               | OBS     | 00175 | 03.22  | 34.430 | 27.43   |          | 1465.7  |      |     |       |     |     |      |    |
|               | OBS     | 00192 | 03.26  | 34.487 | 27.47   |          | 1466.2  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 03.10  | 34.51  | 27.51   | 00.223   | 1465.7  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 03.06  | 34.520 | 27.52   |          | 1465.5  |      |     |       |     |     |      |    |
|               | OBS     | 00205 | 03.27  | 34.540 | 27.51   |          | 1466.5  |      |     |       |     |     |      |    |
|               | OBS     | 00209 | 03.04  | 34.530 | 27.53   |          | 1465.6  |      |     |       |     |     |      |    |
|               | OBS     | 00218 | 03.72  | 34.630 | 27.54   |          | 1468.8  |      |     |       |     |     |      |    |
|               | OBS     | 00222 | 03.54  | 34.620 | 27.55   |          | 1468.1  |      |     |       |     |     |      |    |
|               | OBS     | 00228 | 03.80  | 34.64L | 27.54   |          | 1469.3  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 04.26  | 34.74  | 27.57   | 00.252   | 1471.7  |      |     |       |     |     |      |    |
|               | OBS     | 00251 | 04.28  | 34.740 | 27.57   |          | 1471.8  |      |     |       |     |     |      |    |
|               | OBS     | 00253 | 04.30  | 34.740 | 27.57   |          | 1471.9  |      |     |       |     |     |      |    |
|               | OBS     | 00264 | 03.64  | 34.66L | 27.58   |          | 1469.2  |      |     |       |     |     |      |    |
|               | OBS     | 00276 | 03.72  | 34.710 | 27.61   |          | 1469.8  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 04.28  | 34.80  | 27.62   | 00.279   | 1472.7  |      |     |       |     |     |      |    |
|               | OBS     | 00300 | 04.29  | 34.800 | 27.62   |          | 1472.8  |      |     |       |     |     |      |    |
|               | OBS     | 00327 | 04.33  | 34.830 | 27.64   |          | 1473.4  |      |     |       |     |     |      |    |
|               | OBS     | 00333 | 04.73  | 34.900 | 27.65   |          | 1475.3  |      |     |       |     |     |      |    |
|               | OBS     | 00350 | 04.71  | 34.900 | 27.65   |          | 1475.5  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 04.64  | 34.91  | 27.67   | 00.328   | 1476.0  |      |     |       |     |     |      |    |
|               | OBS     | 00401 | 04.64  | 34.91L | 27.67   |          | 1476.0  |      |     |       |     |     |      |    |
|               | OBS     | 00451 | 04.55  | 34.92L | 27.68   |          | 1476.5  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 04.46  | 34.92  | 27.69   | 00.376   | 1476.9  |      |     |       |     |     |      |    |
|               | OBS     | 00500 | 04.46  | 34.920 | 27.69   |          | 1476.9  |      |     |       |     |     |      |    |
|               | OBS     | 00550 | 04.34  | 34.920 | 27.71   |          | 1477.2  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 04.26  | 34.93  | 27.72   | 00.421   | 1477.8  |      |     |       |     |     |      |    |
|               | OBS     | 00601 | 04.26  | 34.927 | 27.72   |          | 1477.8  |      |     |       |     |     |      |    |
|               | OBS     | 00651 | 04.10  | 34.910 | 27.73   |          | 1477.9  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 04.01  | 34.91  | 27.74   | 00.465   | 1478.3  |      |     |       |     |     |      |    |
|               | OBS     | 00700 | 04.01  | 34.910 | 27.74   |          | 1478.3  |      |     |       |     |     |      |    |
|               | OBS     | 00751 | 04.03  | 34.92L | 27.74   |          | 1479.3  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 04.00  | 34.92  | 27.74   | 00.509   | 1480.0  |      |     |       |     |     |      |    |
|               | OBS     | 00801 | 04.00  | 34.920 | 27.74   |          | 1480.0  |      |     |       |     |     |      |    |
|               | OBS     | 00850 | 03.50  | 34.910 | 27.75   |          | 1480.4  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 03.90  | 34.92  | 27.75   | 00.553   | 1481.2  |      |     |       |     |     |      |    |
|               | OBS     | 00900 | 03.90  | 34.92L | 27.75   |          | 1481.2  |      |     |       |     |     |      |    |
|               | OBS     | 00953 | 03.81  | 34.90L | 27.75   |          | 1481.7  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 03.76  | 34.91  | 27.76   | 00.597   | 1482.3  |      |     |       |     |     |      |    |
|               | OBS     | 01001 | 03.76  | 34.910 | 27.76   |          | 1482.3  |      |     |       |     |     |      |    |
|               | OBS     | 01022 | 03.78  | 34.91L | 27.76   |          | 1481.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

|                |           |             |                |             |             |                   |             |      |     |       |     |     |      |    |
|----------------|-----------|-------------|----------------|-------------|-------------|-------------------|-------------|------|-----|-------|-----|-----|------|----|
| REFID 31 8371  | YEAR 1974 | BOTDP 03435 | AIA TEMP 08.9  | DIR MGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |      |     |       |     |     |      |    |
| CONSEC 0071    | MONTH 07  | SHIP EV     | WET BULB 08.8  | 00 0 X      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |      |     |       |     |     |      |    |
| LAT 44 27.0N   | DAY 01    | DATA USE 1  | BAKMETR 1015.5 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 48 |      |     |       |     |     |      |    |
| LONG 048 07.0W | HOOR 08.6 | AREA 05     | CLLUD 7/A      | CL/TR       | WEATHER X4  | CAIG 011 673      | 1 SQUARE 48 |      |     |       |     |     |      |    |
| CASNUM/TIME    | LVLTY     | DEPTH       | TEMP           | SAL         | SIGMA-T     | DYNDPHTH          | SND VEL     | OKY6 | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
| 08.6           | STD       | 00000       | 09.02          | 32.87       | 25.47       | 00.000            | 1484.0      |      |     |       |     |     |      |    |
|                | OBS       | 00001       | 09.02          | 32.870      | 25.47       |                   | 1484.1      |      |     |       |     |     |      |    |
|                | STD       | 00010       | 09.02          | 32.87       | 25.47       | 00.025            | 1484.2      |      |     |       |     |     |      |    |
|                | OBS       | 00011       | 09.02          | 32.870      | 25.47       |                   | 1484.2      |      |     |       |     |     |      |    |
|                | OBS       | 00013       | 09.01          | 32.860      | 25.46       |                   | 1484.2      |      |     |       |     |     |      |    |
|                | OBS       | 00017       | 07.77          | 32.777      | 25.58       |                   | 1479.4      |      |     |       |     |     |      |    |
|                | STD       | 00020       | 07.19          | 32.86       | 25.73       | 00.049            | 1477.3      |      |     |       |     |     |      |    |
|                | OBS       | 00020       | 07.01          | 32.875      | 25.77       |                   | 1476.6      |      |     |       |     |     |      |    |
|                | OBS       | 00024       | 06.28          | 32.873      | 25.86       |                   | 1473.8      |      |     |       |     |     |      |    |
|                | STD       | 00030       | 03.94          | 32.99       | 26.22       | 00.070            | 1464.4      |      |     |       |     |     |      |    |
|                | OBS       | 00032       | 02.88          | 33.050      | 26.36       |                   | 1460.0      |      |     |       |     |     |      |    |
|                | OBS       | 00034       | 04.56          | 33.280      | 26.38       |                   | 1467.5      |      |     |       |     |     |      |    |
|                | OBS       | 00038       | 03.30          | 33.140      | 26.40       |                   | 1462.0      |      |     |       |     |     |      |    |
|                | OBS       | 00040       | 03.04          | 33.090      | 26.38       |                   | 1460.8      |      |     |       |     |     |      |    |
|                | OBS       | 00045       | 02.16          | 33.080      | 26.45       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00047       | 00.30          | 33.100      | 26.58       |                   | 1448.8      |      |     |       |     |     |      |    |
|                | OBS       | 00049       | 00.02          | 33.208      | 26.68       |                   | 1447.7      |      |     |       |     |     |      |    |
|                | STD       | 00050       | - 0.00         | 33.23       | 26.70       | 00.101            | 1447.6      |      |     |       |     |     |      |    |
|                | OBS       | 00051       | - 0.07         | 33.290      | 26.75       |                   | 1447.4      |      |     |       |     |     |      |    |
|                | OBS       | 00060       | - 0.52         | 33.372      | 26.84       |                   | 1445.6      |      |     |       |     |     |      |    |
|                | OBS       | 00064       | - 0.89         | 33.397      | 26.87       |                   | 1444.0      |      |     |       |     |     |      |    |
|                | OBS       | 00066       | - 0.88         | 33.480      | 26.94       |                   | 1444.2      |      |     |       |     |     |      |    |
|                | OBS       | 00068       | - 0.66         | 33.517      | 26.96       |                   | 1445.3      |      |     |       |     |     |      |    |
|                | OBS       | 00072       | - 0.16         | 33.560      | 26.97       |                   | 1447.7      |      |     |       |     |     |      |    |
|                | OBS       | 00074       | - 0.16         | 33.570      | 26.98       |                   | 1447.8      |      |     |       |     |     |      |    |
|                | STD       | 00075       | - 0.11         | 33.57       | 26.98       | 00.132            | 1448.0      |      |     |       |     |     |      |    |
|                | OBS       | 00078       | 00.07          | 33.605      | 27.00       |                   | 1449.0      |      |     |       |     |     |      |    |
|                | OBS       | 00083       | 00.43          | 33.725      | 27.08       |                   | 1450.9      |      |     |       |     |     |      |    |
|                | OBS       | 00087       | 01.08          | 33.786      | 27.09       |                   | 1454.0      |      |     |       |     |     |      |    |
|                | OBS       | 00091       | 01.57          | 33.862      | 27.11       |                   | 1456.3      |      |     |       |     |     |      |    |
|                | OBS       | 00093       | 01.72          | 33.910      | 27.14       |                   | 1457.1      |      |     |       |     |     |      |    |
|                | OBS       | 00095       | 02.47          | 34.020      | 27.17       |                   | 1460.5      |      |     |       |     |     |      |    |
|                | OBS       | 00097       | 02.54          | 34.032      | 27.18       |                   | 1460.9      |      |     |       |     |     |      |    |
|                | STD       | 00100       | 03.05          | 34.10       | 27.18       | 00.156            | 1463.2      |      |     |       |     |     |      |    |
|                | OBS       | 00104       | 03.58          | 34.170      | 27.19       |                   | 1465.7      |      |     |       |     |     |      |    |
|                | OBS       | 00112       | 03.70          | 34.205      | 27.21       |                   | 1466.4      |      |     |       |     |     |      |    |
|                | STD       | 00125       | 04.11          | 34.33       | 27.26       | 00.178            | 1468.5      |      |     |       |     |     |      |    |
|                | OBS       | 00125       | 04.11          | 34.330      | 27.26       |                   | 1468.5      |      |     |       |     |     |      |    |
|                | OBS       | 00135       | 03.99          | 34.350      | 27.29       |                   | 1468.2      |      |     |       |     |     |      |    |
|                | OBS       | 00139       | 04.46          | 34.405      | 27.29       |                   | 1470.3      |      |     |       |     |     |      |    |
|                | OBS       | 00142       | 04.39          | 34.386      | 27.27       |                   | 1470.0      |      |     |       |     |     |      |    |
|                | STD       | 00150       | 04.79          | 34.47       | 27.30       | 00.198            | 1471.9      |      |     |       |     |     |      |    |
|                | OBS       | 00152       | 04.87          | 34.490      | 27.31       |                   | 1472.3      |      |     |       |     |     |      |    |
|                | OBS       | 00158       | 04.98          | 34.536      | 27.33       |                   | 1472.9      |      |     |       |     |     |      |    |
|                | OBS       | 00163       | 04.31          | 34.430      | 27.32       |                   | 1470.1      |      |     |       |     |     |      |    |
|                | OBS       | 00165       | 04.42          | 34.506      | 27.37       |                   | 1470.7      |      |     |       |     |     |      |    |
|                | OBS       | 00175       | 05.21          | 34.620      | 27.37       |                   | 1474.2      |      |     |       |     |     |      |    |
|                | OBS       | 00196       | 05.17          | 34.660      | 27.41       |                   | 1474.5      |      |     |       |     |     |      |    |
|                | STD       | 00200       | 04.50          | 34.58       | 27.42       | 00.235            | 1471.7      |      |     |       |     |     |      |    |
|                | OBS       | 00201       | 04.37          | 34.550      | 27.41       |                   | 1471.1      |      |     |       |     |     |      |    |
|                | OBS       | 00203       | 04.35          | 34.606      | 27.45       |                   | 1471.1      |      |     |       |     |     |      |    |
|                | OBS       | 00211       | 04.62          | 34.620      | 27.44       |                   | 1472.4      |      |     |       |     |     |      |    |
|                | OBS       | 00220       | 04.58          | 34.665      | 27.48       |                   | 1472.5      |      |     |       |     |     |      |    |
|                | OBS       | 00226       | 04.90          | 34.690      | 27.46       |                   | 1473.9      |      |     |       |     |     |      |    |
|                | OBS       | 00228       | 04.62          | 34.670      | 27.48       |                   | 1472.8      |      |     |       |     |     |      |    |
|                | OBS       | 00230       | 04.62          | 34.675      | 27.48       |                   | 1472.8      |      |     |       |     |     |      |    |
|                | OBS       | 00236       | 04.30          | 34.620      | 27.47       |                   | 1471.5      |      |     |       |     |     |      |    |
|                | OBS       | 00237       | 04.25          | 34.646      | 27.50       |                   | 1471.3      |      |     |       |     |     |      |    |
|                | OBS       | 00243       | 03.44          | 34.540      | 27.50       |                   | 1467.9      |      |     |       |     |     |      |    |
|                | STD       | 00250       | 03.06          | 34.52       | 27.52       | 00.267            | 1466.3      |      |     |       |     |     |      |    |
|                | OBS       | 00251       | 03.00          | 34.515      | 27.52       |                   | 1466.1      |      |     |       |     |     |      |    |
|                | OBS       | 00276       | 03.44          | 34.630      | 27.57       |                   | 1468.5      |      |     |       |     |     |      |    |
|                | OBS       | 00277       | 03.44          | 34.660      | 27.59       |                   | 1468.6      |      |     |       |     |     |      |    |
|                | OBS       | 00279       | 03.62          | 34.680      | 27.59       |                   | 1469.4      |      |     |       |     |     |      |    |
|                | OBS       | 00291       | 04.09          | 34.750      | 27.60       |                   | 1471.7      |      |     |       |     |     |      |    |
|                | STD       | 00300       | 04.09          | 34.75       | 27.60       | 00.296            | 1471.8      |      |     |       |     |     |      |    |
|                | OBS       | 00300       | 04.09          | 34.750      | 27.60       |                   | 1471.8      |      |     |       |     |     |      |    |
|                | OBS       | 00308       | 04.10          | 34.770      | 27.61       |                   | 1472.0      |      |     |       |     |     |      |    |
|                | OBS       | 00312       | 04.40          | 34.820      | 27.62       |                   | 1473.4      |      |     |       |     |     |      |    |
|                | OBS       | 00350       | 04.46          | 34.850      | 27.64       |                   | 1474.3      |      |     |       |     |     |      |    |
|                | OBS       | 00356       | 04.64          | 34.890      | 27.65       |                   | 1475.2      |      |     |       |     |     |      |    |
|                | STD       | 00400       | 04.78          | 34.94       | 27.67       | 00.346            | 1476.6      |      |     |       |     |     |      |    |
|                | OBS       | 00403       | 04.88          | 34.965      | 27.68       |                   | 1477.1      |      |     |       |     |     |      |    |
|                | OBS       | 00405       | 04.94          | 34.980      | 27.69       |                   | 1477.4      |      |     |       |     |     |      |    |
|                | OBS       | 00411       | 05.28          | 35.046      | 27.69       |                   | 1479.0      |      |     |       |     |     |      |    |
|                | OBS       | 00451       | 05.08          | 35.000      | 27.69       |                   | 1478.8      |      |     |       |     |     |      |    |
|                | STD       | 00500       | 04.73          | 34.97       | 27.70       | 00.392            | 1478.1      |      |     |       |     |     |      |    |
|                | OBS       | 00500       | 04.73          | 34.970      | 27.70       |                   | 1478.1      |      |     |       |     |     |      |    |
|                | OBS       | 00550       | 04.49          | 34.960      | 27.72       |                   | 1477.9      |      |     |       |     |     |      |    |
|                | STD       | 00600       | 04.46          | 34.96       | 27.73       | 00.437            | 1478.6      |      |     |       |     |     |      |    |
|                | OBS       | 00601       | 04.46          | 34.960      | 27.73       |                   | 1478.6      |      |     |       |     |     |      |    |
|                | OBS       | 00652       | 04.41          | 34.975      | 27.74       |                   | 1479.3      |      |     |       |     |     |      |    |
|                | STD       | 00700       | 04.49          | 34.99       | 27.75       | 00.481            | 1480.4      |      |     |       |     |     |      |    |
|                | OBS       | 00700       | 04.49          | 34.990      | 27.75       |                   | 1480.5      |      |     |       |     |     |      |    |
|                | OBS       | 00750       | 04.33          | 34.980      | 27.76       |                   | 1480.6      |      |     |       |     |     |      |    |
|                | STD       | 00800       | 04.18          | 34.95       | 27.75       | 00.525            | 1480.8      |      |     |       |     |     |      |    |
|                | OBS       | 00803       | 04.17          | 34.956      | 27.75       |                   | 1480.8      |      |     |       |     |     |      |    |
|                | OBS       | 00850       | 04.08          | 34.950      | 27.76       |                   | 1481.2      |      |     |       |     |     |      |    |
|                | STD       | 00900       | 04.15          | 34.97       | 27.77       | 00.568            | 1482.3      |      |     |       |     |     |      |    |
|                | OBS       | 00900       | 04.15          | 34.970      | 27.77       |                   | 1482.3      |      |     |       |     |     |      |    |
|                | OBS       | 00951       | 04.06          | 34.950      | 27.76       |                   | 1482.8      |      |     |       |     |     |      |    |
|                | STD       | 01000       | 03.88          | 34.94       | 27.77       | 00.611            | 1482.8      |      |     |       |     |     |      |    |
|                | OBS       | 01001       | 03.88          | 34.940      | 27.77       |                   | 1482.8      |      |     |       |     |     |      |    |
|                | OBS       | 01020       | 03.99          | 34.960      | 27.78       |                   | 1483.7      |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTDP 03615 AIR TEMP 12.2 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306  
 CONSEC 0072 MONTH 07 SHIP EV NET BULB 11.8 22 2 2 WIND-SPD 16 TRACE DIR 5 0 5 SQUARE 2  
 LAT 44 20.84 DAY 01 DATA USE 1 BAROMETR 1014.5 SEA CL/7P WIND-FOR X2 DURATION 00.4 2 SQUARE 66  
 LONG 047 43.74 HOUR 12.0 AREA C5 CLUD T/A WEATHER X2 ORIG 011 674 14 1 SQUARE 47

| CASNUM/TIME | LVLTY | DEPTH | TEMP  | SAL   | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 12.0        | STD   | 00000 | 10.81 | 32.87 | 25.17   | 00.000 | 1490.6  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 10.81 | 32.87 | 25.17   |        | 1490.6  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 10.80 | 32.86 | 25.17   |        | 1490.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 10.33 | 32.76 | 25.17   | 00.028 | 1488.9  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 06.18 | 32.47 | 25.56   |        | 1472.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 05.01 | 32.71 | 25.68   |        | 1466.3  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 03.74 | 32.78 | 26.07   | 00.052 | 1463.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 03.46 | 32.83 | 26.14   |        | 1462.0  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 03.04 | 32.95 | 26.30   |        | 1460.4  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 01.57 | 32.92 | 26.33   |        | 1455.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.47 | 33.06 | 26.48   | 00.069 | 1453.7  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.36 | 33.09 | 26.51   |        | 1453.3  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 01.31 | 33.10 | 26.52   |        | 1453.1  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 01.67 | 33.24 | 26.61   |        | 1455.0  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 00.62 | 33.24 | 26.68   |        | 1450.4  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 00.03 | 33.32 | 26.77   |        | 1447.8  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.17 | 33.53 | 26.93   | 00.096 | 1446.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 00.48 | 33.60 | 26.97   |        | 1450.4  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 04.40 | 34.00 | 26.97   |        | 1466.2  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 07.75 | 34.62 | 27.03   | 00.124 | 1462.7  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 06.77 | 34.61 | 27.03   |        | 1466.9  |      |     |       |     |     |      |    |
|             | OBS   | 00087 | 06.52 | 34.48 | 27.05   |        | 1479.5  |      |     |       |     |     |      |    |
|             | OBS   | 00093 | 06.59 | 34.47 | 27.08   |        | 1478.3  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 06.72 | 34.50 | 27.09   |        | 1478.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 05.83 | 34.37 | 27.10   | 00.149 | 1475.2  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 05.73 | 34.36 | 27.10   |        | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | 06.59 | 34.55 | 27.11   |        | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00123 | 06.74 | 34.55 | 27.13   |        | 1479.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 06.79 | 34.57 | 27.13   | 00.173 | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00129 | 06.90 | 34.60 | 27.14   |        | 1480.3  |      |     |       |     |     |      |    |
|             | OBS   | 00135 | 06.85 | 34.57 | 27.13   |        | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00142 | 06.69 | 34.61 | 27.18   |        | 1479.7  |      |     |       |     |     |      |    |
|             | OBS   | 00148 | 07.00 | 34.68 | 27.19   |        | 1481.1  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 06.98 | 34.67 | 27.18   | 00.197 | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 06.56 | 34.66 | 27.18   |        | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00173 | 06.81 | 34.68 | 27.21   |        | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 07.34 | 34.81 | 27.24   |        | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 07.42 | 34.84 | 27.25   |        | 1483.4  |      |     |       |     |     |      |    |
|             | OBS   | 00186 | 07.78 | 34.90 | 27.25   |        | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00192 | 07.82 | 34.90 | 27.24   |        | 1485.3  |      |     |       |     |     |      |    |
|             | OBS   | 00199 | 06.63 | 34.70 | 27.26   |        | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 06.63 | 34.71 | 27.26   | 00.241 | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 06.61 | 34.73 | 27.28   |        | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00205 | 06.61 | 34.73 | 27.28   |        | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00213 | 05.52 | 34.62 | 27.28   |        | 1477.8  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 05.41 | 34.58 | 27.32   |        | 1475.9  |      |     |       |     |     |      |    |
|             | OBS   | 00249 | 05.35 | 34.62 | 27.35   |        | 1476.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 05.23 | 34.62 | 27.35   | 00.281 | 1476.0  |      |     |       |     |     |      |    |
|             | OBS   | 00255 | 04.98 | 34.57 | 27.36   |        | 1474.6  |      |     |       |     |     |      |    |
|             | OBS   | 00257 | 04.75 | 34.58 | 27.37   |        | 1473.6  |      |     |       |     |     |      |    |
|             | OBS   | 00258 | 04.77 | 34.58 | 27.39   |        | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00264 | 05.36 | 34.67 | 27.39   |        | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00266 | 05.32 | 34.68 | 27.41   |        | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00272 | 06.28 | 34.86 | 27.43   |        | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 06.71 | 34.94 | 27.43   |        | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00285 | 06.72 | 34.95 | 27.44   |        | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00295 | 05.21 | 34.69 | 27.43   |        | 1476.3  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 05.18 | 34.71 | 27.44   | 00.317 | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 05.15 | 34.71 | 27.45   |        | 1476.2  |      |     |       |     |     |      |    |
|             | OBS   | 00306 | 04.80 | 34.66 | 27.45   |        | 1474.8  |      |     |       |     |     |      |    |
|             | OBS   | 00323 | 05.17 | 34.79 | 27.51   |        | 1476.8  |      |     |       |     |     |      |    |
|             | OBS   | 00329 | 05.42 | 34.83 | 27.51   |        | 1477.9  |      |     |       |     |     |      |    |
|             | OBS   | 00335 | 05.51 | 34.86 | 27.52   |        | 1478.4  |      |     |       |     |     |      |    |
|             | OBS   | 00344 | 05.00 | 34.77 | 27.52   |        | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 04.95 | 34.78 | 27.53   |        | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00394 | 05.37 | 34.92 | 27.59   |        | 1478.9  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 05.76 | 34.99 | 27.60   | 00.379 | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 05.78 | 34.99 | 27.59   |        | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00403 | 05.76 | 34.98 | 27.59   |        | 1480.7  |      |     |       |     |     |      |    |
|             | OBS   | 00409 | 06.23 | 35.08 | 27.61   |        | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 06.10 | 35.08 | 27.63   |        | 1483.0  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 05.54 | 35.04 | 27.66   | 00.432 | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 05.53 | 35.04 | 27.66   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS   | 00512 | 05.43 | 35.03 | 27.67   |        | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00519 | 05.10 | 34.98 | 27.67   |        | 1480.0  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 05.27 | 35.04 | 27.70   |        | 1481.2  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 05.30 | 35.06 | 27.71   | 00.481 | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 05.30 | 35.06 | 27.71   |        | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00651 | 04.70 | 34.98 | 27.72   |        | 1480.5  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 04.58 | 34.98 | 27.73   | 00.527 | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00700 | 04.58 | 34.98 | 27.73   |        | 1480.8  |      |     |       |     |     |      |    |
|             | OBS   | 00750 | 04.48 | 34.98 | 27.74   |        | 1481.2  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 04.40 | 34.98 | 27.74   | 00.572 | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00801 | 04.40 | 34.97 | 27.74   |        | 1481.7  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 04.34 | 34.97 | 27.75   |        | 1482.3  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.24 | 34.97 | 27.76   | 00.616 | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 04.24 | 34.97 | 27.76   |        | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.15 | 34.96 | 27.76   |        | 1483.2  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.17 | 34.97 | 27.77   | 00.661 | 1484.1  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.17 | 34.97 | 27.77   |        | 1484.1  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 04.14 | 34.97 | 27.77   |        | 1484.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTDP 03951 AIA TEMP 12.4 DIR HGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1306  
 CONSEC 0073 MONTH 07 SHIP EV MET BULB 12.3 22 5 8 WIND-SPD 12 TRACE DIR 0 5 SQUARE 2  
 LAT 44 13.2N DAY 01 DATA USE 1 SAACMETR 1015.9 SEA WIND-FOR DURATION 00.4 2 SQUARE 46  
 LONG 047 09.0N HOUR 15.4 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 675 1 SQUARE 47

| CASSTNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTH | SND VEL | ORYG | PD4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 15.4          | STD   | 00000 | 11.18 | 32.82  | 25.07   | 00.000  | 1491.8  |      |     |       |     |     |      |    |
|               | OBS   | 00000 | 11.18 | 32.820 | 25.07   |         | 1491.8  |      |     |       |     |     |      |    |
|               | STD   | 00010 | 10.73 | 32.75  | 25.09   | 00.029  | 1490.3  |      |     |       |     |     |      |    |
|               | OBS   | 00010 | 10.73 | 32.750 | 25.09   |         | 1490.3  |      |     |       |     |     |      |    |
|               | STD   | 00020 | 09.04 | 32.82  | 25.43   | 00.056  | 1484.4  |      |     |       |     |     |      |    |
|               | OBS   | 00020 | 09.04 | 32.820 | 25.43   |         | 1484.4  |      |     |       |     |     |      |    |
|               | STD   | 00030 | 08.05 | 33.14  | 25.83   | 00.080  | 1481.2  |      |     |       |     |     |      |    |
|               | OBS   | 00030 | 08.05 | 33.140 | 25.83   |         | 1481.2  |      |     |       |     |     |      |    |
|               | OBS   | 00040 | 07.93 | 33.400 | 26.05   |         | 1481.2  |      |     |       |     |     |      |    |
|               | STD   | 00050 | 06.49 | 33.84  | 26.57   | 00.117  | 1477.1  |      |     |       |     |     |      |    |
|               | OBS   | 00050 | 06.49 | 33.840 | 26.57   |         | 1477.1  |      |     |       |     |     |      |    |
|               | OBS   | 00070 | 05.25 | 34.170 | 27.01   |         | 1472.1  |      |     |       |     |     |      |    |
|               | STD   | 00075 | 05.22 | 34.22  | 27.05   | 00.148  | 1472.4  |      |     |       |     |     |      |    |
|               | OBS   | 00075 | 05.29 | 34.220 | 27.05   |         | 1472.4  |      |     |       |     |     |      |    |
|               | STD   | 00100 | 04.42 | 34.47  | 27.10   | 00.173  | 1477.7  |      |     |       |     |     |      |    |
|               | OBS   | 00100 | 04.42 | 34.470 | 27.10   |         | 1477.7  |      |     |       |     |     |      |    |
|               | STD   | 00125 | 04.39 | 34.28  | 27.19   | 00.197  | 1469.4  |      |     |       |     |     |      |    |
|               | OBS   | 00125 | 04.39 | 34.280 | 27.19   |         | 1469.4  |      |     |       |     |     |      |    |
|               | OBS   | 00135 | 05.50 | 34.450 | 27.20   |         | 1474.3  |      |     |       |     |     |      |    |
|               | STD   | 00150 | 04.75 | 34.37  | 27.23   | 00.219  | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00150 | 04.75 | 34.370 | 27.23   |         | 1471.6  |      |     |       |     |     |      |    |
|               | OBS   | 00190 | 04.08 | 34.610 | 27.26   |         | 1478.0  |      |     |       |     |     |      |    |
|               | STD   | 00200 | 04.07 | 34.59  | 27.24   | 00.262  | 1478.1  |      |     |       |     |     |      |    |
|               | OBS   | 00200 | 04.07 | 34.590 | 27.24   |         | 1478.1  |      |     |       |     |     |      |    |
|               | OBS   | 00220 | 03.91 | 34.600 | 27.27   |         | 1477.8  |      |     |       |     |     |      |    |
|               | OBS   | 00240 | 04.49 | 34.840 | 27.38   |         | 1480.8  |      |     |       |     |     |      |    |
|               | STD   | 00250 | 04.25 | 34.85  | 27.42   | 00.301  | 1480.0  |      |     |       |     |     |      |    |
|               | OBS   | 00250 | 04.25 | 34.850 | 27.42   |         | 1480.0  |      |     |       |     |     |      |    |
|               | OBS   | 00270 | 04.29 | 34.880 | 27.44   |         | 1480.5  |      |     |       |     |     |      |    |
|               | STD   | 00300 | 04.85 | 34.72  | 27.49   | 00.335  | 1475.0  |      |     |       |     |     |      |    |
|               | OBS   | 00300 | 04.85 | 34.720 | 27.49   |         | 1475.0  |      |     |       |     |     |      |    |
|               | OBS   | 00340 | 04.77 | 34.780 | 27.55   |         | 1475.4  |      |     |       |     |     |      |    |
|               | OBS   | 00350 | 04.24 | 34.720 | 27.56   |         | 1473.2  |      |     |       |     |     |      |    |
|               | OBS   | 00370 | 03.75 | 34.660 | 27.56   |         | 1471.4  |      |     |       |     |     |      |    |
|               | OBS   | 00390 | 03.46 | 34.650 | 27.58   |         | 1470.5  |      |     |       |     |     |      |    |
|               | STD   | 00400 | 03.51 | 34.68  | 27.60   | 00.393  | 1470.9  |      |     |       |     |     |      |    |
|               | OBS   | 00400 | 03.51 | 34.680 | 27.60   |         | 1470.9  |      |     |       |     |     |      |    |
|               | OBS   | 00450 | 04.96 | 34.950 | 27.66   |         | 1478.2  |      |     |       |     |     |      |    |
|               | STD   | 00500 | 04.95 | 34.97  | 27.68   | 00.444  | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00500 | 04.95 | 34.970 | 27.68   |         | 1476.0  |      |     |       |     |     |      |    |
|               | OBS   | 00535 | 05.22 | 35.040 | 27.72   |         | 1480.8  |      |     |       |     |     |      |    |
|               | STD   | 00600 | 05.07 | 35.05  | 27.73   | 00.491  | 1481.3  |      |     |       |     |     |      |    |
|               | OBS   | 00600 | 05.07 | 35.050 | 27.73   |         | 1481.3  |      |     |       |     |     |      |    |
|               | STD   | 00700 | 04.78 | 35.01  | 27.73   | 00.536  | 1481.7  |      |     |       |     |     |      |    |
|               | OBS   | 00700 | 04.78 | 35.010 | 27.73   |         | 1481.7  |      |     |       |     |     |      |    |
|               | OBS   | 00755 | 04.56 | 34.980 | 27.73   |         | 1481.6  |      |     |       |     |     |      |    |
|               | STD   | 00800 | 04.52 | 34.99  | 27.74   | 00.581  | 1482.2  |      |     |       |     |     |      |    |
|               | OBS   | 00800 | 04.52 | 34.990 | 27.74   |         | 1482.2  |      |     |       |     |     |      |    |
|               | STD   | 00900 | 04.39 | 34.99  | 27.76   | 00.626  | 1483.4  |      |     |       |     |     |      |    |
|               | OBS   | 00900 | 04.39 | 34.990 | 27.76   |         | 1483.4  |      |     |       |     |     |      |    |
|               | STD   | 01000 | 04.15 | 34.97  | 27.77   | 00.670  | 1484.0  |      |     |       |     |     |      |    |
|               | OBS   | 01000 | 04.15 | 34.970 | 27.77   |         | 1484.0  |      |     |       |     |     |      |    |
|               | OBS   | 01025 | 04.14 | 34.970 | 27.77   |         | 1484.4  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 SCTDP 03840 A1A TEMP 12.7 DIR MGT PER WIND-DIR 20 INST STD RECORDER TEN SQ 1904  
 CONSEC 0074 MONTH 07 SHIP EV REF BULB 12.3 WIND-SPD 16 TRACE DIR 0 5 SQUARE 2  
 LAT 44 07.0N DAY 01 DATA USE 1 BAROMETER 1016.5 SEA WIND-FOR DURATION 00.3 2 SQUARE 40  
 LONG 046 32.5W HOUR 18.9 AREA 05 CLUD T/A CL/TR WEATHER X8 ORIG 011 676 1 SQUARE 40

| CASNUM/TIME | LVL TYP | DEPTH | TEPP  | SAL    | SIGNA-T | DYNDPTH | SND VEL | ORYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|---------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 18.9        | STD     | 00300 | 10.42 | 32.86  | 25.20   | 00.000  | 1489.9  |      |     |       |     |     |      |    |
|             | OBS     | 00003 | 10.62 | 32.86W | 25.20   |         | 1490.0  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 10.61 | 32.85  | 25.19   | 00.028  | 1490.0  |      |     |       |     |     |      |    |
|             | OBS     | 00010 | 10.59 | 32.84W | 25.19   |         | 1489.8  |      |     |       |     |     |      |    |
|             | OBS     | 00617 | 10.17 | 32.78W | 25.21   |         | 1486.4  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 05.54 | 32.42  | 25.20   | 00.056  | 1486.0  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 05.18 | 32.61W | 25.24   |         | 1484.6  |      |     |       |     |     |      |    |
|             | OBS     | 00022 | 08.16 | 32.63W | 25.41   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00024 | 07.41 | 32.57W | 25.79   |         | 1476.4  |      |     |       |     |     |      |    |
|             | OBS     | 00026 | 06.53 | 33.017 | 25.89   |         | 1476.6  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 06.20 | 32.96  | 25.95   | 00.080  | 1473.7  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 06.10 | 32.97W | 25.96   |         | 1473.3  |      |     |       |     |     |      |    |
|             | OBS     | 00034 | 05.32 | 33.157 | 26.20   |         | 1470.4  |      |     |       |     |     |      |    |
|             | OBS     | 00049 | 05.66 | 33.215 | 26.21   |         | 1472.1  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 04.88 | 33.10  | 26.21   | 00.119  | 1468.8  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | 03.28 | 32.93W | 26.23   |         | 1461.8  |      |     |       |     |     |      |    |
|             | OBS     | 00053 | 02.49 | 33.07W | 26.41   |         | 1458.4  |      |     |       |     |     |      |    |
|             | OBS     | 00055 | 01.01 | 33.20W | 26.62   |         | 1452.3  |      |     |       |     |     |      |    |
|             | OBS     | 00057 | 00.95 | 33.330 | 26.73   |         | 1452.2  |      |     |       |     |     |      |    |
|             | OBS     | 00064 | 00.52 | 33.35W | 26.77   |         | 1450.4  |      |     |       |     |     |      |    |
|             | OBS     | 00066 | 00.08 | 33.36W | 26.81   |         | 1448.5  |      |     |       |     |     |      |    |
|             | OBS     | 00068 | 00.10 | 33.47W | 26.69   |         | 1448.8  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 00.33 | 33.60  | 26.98   | 00.155  | 1450.1  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | 00.44 | 33.62W | 26.99   |         | 1450.6  |      |     |       |     |     |      |    |
|             | OBS     | 00079 | 00.97 | 33.70W | 27.03   |         | 1453.2  |      |     |       |     |     |      |    |
|             | OBS     | 00081 | 00.56 | 33.71W | 27.03   |         | 1453.3  |      |     |       |     |     |      |    |
|             | OBS     | 00087 | 01.59 | 33.63W | 27.03   |         | 1458.0  |      |     |       |     |     |      |    |
|             | OBS     | 00093 | 02.56 | 33.87W | 27.04   |         | 1460.7  |      |     |       |     |     |      |    |
|             | OBS     | 00095 | 02.81 | 33.89W | 27.04   |         | 1461.8  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 03.56 | 34.01  | 27.06   | 00.181  | 1465.4  |      |     |       |     |     |      |    |
|             | OBS     | 00100 | 03.69 | 34.03W | 27.07   |         | 1465.9  |      |     |       |     |     |      |    |
|             | OBS     | 00110 | 04.05 | 34.11W | 27.10   |         | 1467.7  |      |     |       |     |     |      |    |
|             | OBS     | 00118 | 05.04 | 34.25W | 27.10   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS     | 00121 | 05.07 | 34.25W | 27.09   |         | 1472.3  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 04.58 | 34.18  | 27.10   | 00.206  | 1470.2  |      |     |       |     |     |      |    |
|             | OBS     | 00135 | 03.49 | 34.07W | 27.12   |         | 1465.7  |      |     |       |     |     |      |    |
|             | OBS     | 00140 | 03.21 | 34.07W | 27.15   |         | 1464.6  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 03.60 | 34.16  | 27.16   | 00.230  | 1466.5  |      |     |       |     |     |      |    |
|             | OBS     | 00158 | 03.59 | 34.23W | 27.20   |         | 1468.4  |      |     |       |     |     |      |    |
|             | OBS     | 00165 | 04.40 | 34.30W | 27.21   |         | 1470.3  |      |     |       |     |     |      |    |
|             | OBS     | 00173 | 05.05 | 34.40W | 27.22   |         | 1473.3  |      |     |       |     |     |      |    |
|             | OBS     | 00175 | 05.04 | 34.42W | 27.23   |         | 1473.3  |      |     |       |     |     |      |    |
|             | OBS     | 00177 | 05.08 | 34.43W | 27.24   |         | 1473.5  |      |     |       |     |     |      |    |
|             | OBS     | 00180 | 05.55 | 34.52W | 27.25   |         | 1475.6  |      |     |       |     |     |      |    |
|             | OBS     | 00190 | 05.41 | 34.49W | 27.24   |         | 1475.1  |      |     |       |     |     |      |    |
|             | OBS     | 00192 | 04.92 | 34.41W | 27.24   |         | 1473.1  |      |     |       |     |     |      |    |
|             | OBS     | 00198 | 04.78 | 34.45W | 27.29   |         | 1472.6  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 05.22 | 34.53  | 27.30   | 00.273  | 1474.6  |      |     |       |     |     |      |    |
|             | OBS     | 00201 | 05.51 | 34.58W | 27.30   |         | 1475.9  |      |     |       |     |     |      |    |
|             | OBS     | 00209 | 05.51 | 34.57W | 27.30   |         | 1476.0  |      |     |       |     |     |      |    |
|             | OBS     | 00224 | 04.39 | 34.41W | 27.30   |         | 1471.4  |      |     |       |     |     |      |    |
|             | OBS     | 00228 | 04.12 | 34.41W | 27.33   |         | 1470.3  |      |     |       |     |     |      |    |
|             | OBS     | 00234 | 04.14 | 34.407 | 27.32   |         | 1470.5  |      |     |       |     |     |      |    |
|             | OBS     | 00239 | 03.44 | 34.35W | 27.35   |         | 1467.6  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 03.44 | 34.40  | 27.39   | 00.311  | 1467.8  |      |     |       |     |     |      |    |
|             | OBS     | 00251 | 03.44 | 34.41W | 27.40   |         | 1467.8  |      |     |       |     |     |      |    |
|             | OBS     | 00270 | 03.20 | 34.45W | 27.45   |         | 1467.2  |      |     |       |     |     |      |    |
|             | OBS     | 00274 | 04.30 | 34.63W | 27.48   |         | 1472.1  |      |     |       |     |     |      |    |
|             | OBS     | 00275 | 04.82 | 34.71W | 27.49   |         | 1474.5  |      |     |       |     |     |      |    |
|             | OBS     | 00289 | 05.51 | 34.88W | 27.52   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS     | 00298 | 04.42 | 35.00W | 27.52   |         | 1481.7  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 06.43 | 35.00  | 27.52   | 00.345  | 1481.7  |      |     |       |     |     |      |    |
|             | OBS     | 00300 | 06.43 | 35.00W | 27.52   |         | 1481.7  |      |     |       |     |     |      |    |
|             | OBS     | 00304 | 06.45 | 35.00W | 27.51   |         | 1481.9  |      |     |       |     |     |      |    |
|             | OBS     | 00310 | 06.69 | 35.06W | 27.53   |         | 1483.0  |      |     |       |     |     |      |    |
|             | OBS     | 00329 | 06.70 | 35.07W | 27.54   |         | 1483.4  |      |     |       |     |     |      |    |
|             | OBS     | 00336 | 06.32 | 35.00W | 27.53   |         | 1481.9  |      |     |       |     |     |      |    |
|             | OBS     | 00342 | 06.30 | 34.99W | 27.53   |         | 1481.9  |      |     |       |     |     |      |    |
|             | OBS     | 00344 | 05.50 | 34.93W | 27.53   |         | 1480.2  |      |     |       |     |     |      |    |
|             | OBS     | 00350 | 05.85 | 34.95W | 27.56   |         | 1480.2  |      |     |       |     |     |      |    |
|             | OBS     | 00359 | 05.87 | 34.96W | 27.56   |         | 1480.4  |      |     |       |     |     |      |    |
|             | OBS     | 00369 | 05.32 | 34.88W | 27.56   |         | 1478.2  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 05.34 | 34.90  | 27.58   | 00.404  | 1478.9  |      |     |       |     |     |      |    |
|             | OBS     | 00403 | 05.37 | 34.91W | 27.58   |         | 1479.1  |      |     |       |     |     |      |    |
|             | OBS     | 00409 | 05.42 | 34.92W | 27.58   |         | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00415 | 05.14 | 34.87W | 27.58   |         | 1478.2  |      |     |       |     |     |      |    |
|             | OBS     | 00451 | 04.98 | 34.905 | 27.62   |         | 1478.2  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 05.14 | 34.98  | 27.66   | 00.458  | 1479.8  |      |     |       |     |     |      |    |
|             | OBS     | 00500 | 05.14 | 34.98W | 27.66   |         | 1479.8  |      |     |       |     |     |      |    |
|             | OBS     | 00553 | 05.26 | 35.02W | 27.68   |         | 1481.2  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.82 | 34.97  | 27.69   | 00.507  | 1480.1  |      |     |       |     |     |      |    |
|             | OBS     | 00601 | 04.81 | 34.97W | 27.69   |         | 1480.1  |      |     |       |     |     |      |    |
|             | OBS     | 00651 | 04.58 | 34.96W | 27.71   |         | 1480.0  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.61 | 34.97  | 27.72   | 00.554  | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 04.61 | 34.97W | 27.72   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS     | 00750 | 04.50 | 34.97W | 27.71   |         | 1481.3  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 04.37 | 34.96  | 27.74   | 00.600  | 1481.6  |      |     |       |     |     |      |    |
|             | OBS     | 00801 | 04.37 | 34.96W | 27.74   |         | 1481.6  |      |     |       |     |     |      |    |
|             | OBS     | 00850 | 04.33 | 34.96W | 27.74   |         | 1482.2  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 04.28 | 34.96  | 27.75   | 00.645  | 1482.9  |      |     |       |     |     |      |    |
|             | OBS     | 00900 | 04.28 | 34.96W | 27.75   |         | 1482.9  |      |     |       |     |     |      |    |
|             | OBS     | 00951 | 04.28 | 34.97W | 27.75   |         | 1483.7  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 04.23 | 34.97  | 27.76   | 00.690  | 1484.3  |      |     |       |     |     |      |    |
|             | OBS     | 01001 | 04.23 | 34.96W | 27.76   |         | 1484.3  |      |     |       |     |     |      |    |
|             | OBS     | 01026 | 04.21 | 34.96W | 27.76   |         | 1484.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

REFID 31 8371 YEAR 1974 BOTOP 04390 AIR TEMP 13.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1306  
 COMSEC 0075 MONTH 07 SHIP EV WET BULB 13.5 21 2 2 WIND-SPD 15 TRACE DIR D 5 SQUARE 2  
 LAT 44 01.04 DAY 01 DATA USE 1 BAROMETR 1017.8 SEA CL/TA WIND-FOR DURATION 00.5 2 SQUARE 46  
 LONG 046 02.04 HOUR 21.9 AREA 05 CLOUD 7/A WEATHER X3 CRIG 011 677 1 SQUARE 46

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 21.9        | STD   | 00000 | 12.33 | 33.15  | 25.11   | 00.000  | 1496.3  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 12.33 | 33.14  | 25.11   |         | 1496.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 12.50 | 33.25  | 25.16   | 00.028  | 1497.2  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 12.51 | 33.25  | 25.17   |         | 1497.2  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 12.44 | 33.370 | 25.26   |         | 1497.2  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 10.85 | 32.97  | 25.28   | 00.056  | 1490.5  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 07.29 | 32.500 | 25.43   |         | 1477.3  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 06.40 | 32.714 | 25.72   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.56 | 32.81  | 25.57   | 00.080  | 1468.4  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.89 | 32.815 | 25.98   |         | 1468.1  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 04.74 | 32.790 | 25.98   |         | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 04.22 | 32.830 | 26.07   |         | 1465.4  |      |     |       |     |     |      |    |
|             | OBS   | 00036 | 04.17 | 32.890 | 26.12   |         | 1465.3  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.95 | 32.868 | 26.12   |         | 1464.4  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 03.26 | 32.900 | 26.21   |         | 1461.6  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 03.50 | 33.117 | 26.36   |         | 1462.9  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 08.20 | 33.85  | 26.37   | 00.117  | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 08.68 | 33.940 | 26.36   |         | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 08.44 | 33.978 | 26.43   |         | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 08.08 | 33.904 | 26.42   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 08.00 | 34.040 | 26.54   |         | 1482.7  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | 08.35 | 34.140 | 26.57   |         | 1484.2  |      |     |       |     |     |      |    |
|             | OBS   | 00064 | 08.19 | 34.133 | 26.59   |         | 1483.6  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 06.95 | 34.018 | 26.67   |         | 1478.7  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | 06.64 | 34.040 | 26.73   |         | 1477.6  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 07.26 | 34.20  | 26.77   | 00.154  | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00095 | 08.88 | 34.800 | 27.00   |         | 1487.6  |      |     |       |     |     |      |    |
|             | OBS   | 00097 | 08.76 | 34.805 | 27.02   |         | 1487.1  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 08.34 | 34.74  | 27.04   | 00.184  | 1485.5  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 07.66 | 34.610 | 27.04   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00104 | 07.04 | 34.480 | 27.02   |         | 1480.2  |      |     |       |     |     |      |    |
|             | OBS   | 00106 | 07.09 | 34.506 | 27.03   |         | 1480.5  |      |     |       |     |     |      |    |
|             | OBS   | 00108 | 06.10 | 34.365 | 27.06   |         | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00123 | 05.80 | 34.340 | 27.08   |         | 1475.4  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 05.60 | 34.31  | 27.08   | 00.209  | 1474.6  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 05.51 | 34.300 | 27.08   |         | 1474.2  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 05.48 | 34.32  | 27.10   | 00.234  | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 05.48 | 34.320 | 27.10   |         | 1474.5  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 05.84 | 34.400 | 27.12   |         | 1476.3  |      |     |       |     |     |      |    |
|             | OBS   | 00163 | 06.53 | 34.525 | 27.13   |         | 1479.3  |      |     |       |     |     |      |    |
|             | OBS   | 00167 | 06.93 | 34.590 | 27.13   |         | 1481.0  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 07.05 | 34.600 | 27.12   |         | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 07.37 | 34.660 | 27.12   |         | 1483.0  |      |     |       |     |     |      |    |
|             | OBS   | 00190 | 07.38 | 34.660 | 27.12   |         | 1483.2  |      |     |       |     |     |      |    |
|             | OBS   | 00198 | 06.79 | 34.575 | 27.13   |         | 1480.9  |      |     |       |     |     |      |    |
|             | OBS   | 00199 | 06.83 | 34.580 | 27.13   |         | 1481.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 06.84 | 34.58  | 27.13   | 00.283  | 1481.1  |      |     |       |     |     |      |    |
|             | OBS   | 00203 | 07.07 | 34.620 | 27.13   |         | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00211 | 07.13 | 34.640 | 27.14   |         | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 07.55 | 34.730 | 27.15   |         | 1484.4  |      |     |       |     |     |      |    |
|             | OBS   | 00218 | 07.73 | 34.752 | 27.14   |         | 1485.2  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 07.38 | 34.685 | 27.14   |         | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 07.37 | 34.690 | 27.14   |         | 1483.8  |      |     |       |     |     |      |    |
|             | OBS   | 00232 | 07.64 | 34.754 | 27.15   |         | 1485.0  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 07.86 | 34.81  | 27.17   | 00.331  | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 07.91 | 34.830 | 27.17   |         | 1486.5  |      |     |       |     |     |      |    |
|             | OBS   | 00255 | 08.07 | 34.900 | 27.20   |         | 1487.2  |      |     |       |     |     |      |    |
|             | OBS   | 00262 | 09.04 | 35.100 | 27.21   |         | 1491.3  |      |     |       |     |     |      |    |
|             | OBS   | 00264 | 09.08 | 35.110 | 27.21   |         | 1491.5  |      |     |       |     |     |      |    |
|             | OBS   | 00268 | 05.44 | 35.195 | 27.22   |         | 1493.0  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 09.47 | 35.195 | 27.21   |         | 1493.2  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 09.12 | 35.12  | 27.21   | 00.379  | 1492.2  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 09.07 | 35.114 | 27.21   |         | 1492.0  |      |     |       |     |     |      |    |
|             | OBS   | 00304 | 08.80 | 35.070 | 27.22   |         | 1491.0  |      |     |       |     |     |      |    |
|             | OBS   | 00310 | 08.70 | 35.058 | 27.23   |         | 1490.7  |      |     |       |     |     |      |    |
|             | OBS   | 00317 | 08.29 | 35.010 | 27.26   |         | 1489.5  |      |     |       |     |     |      |    |
|             | OBS   | 00336 | 08.11 | 34.985 | 27.26   |         | 1488.9  |      |     |       |     |     |      |    |
|             | OBS   | 00342 | 07.44 | 34.875 | 27.28   |         | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 00344 | 07.44 | 34.895 | 27.29   |         | 1486.3  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 07.05 | 34.820 | 27.29   |         | 1484.8  |      |     |       |     |     |      |    |
|             | OBS   | 00359 | 06.96 | 34.800 | 27.29   |         | 1484.5  |      |     |       |     |     |      |    |
|             | OBS   | 00378 | 06.73 | 34.830 | 27.34   |         | 1484.0  |      |     |       |     |     |      |    |
|             | OBS   | 00382 | 06.38 | 34.775 | 27.35   |         | 1482.6  |      |     |       |     |     |      |    |
|             | OBS   | 00390 | 06.34 | 34.780 | 27.35   |         | 1482.6  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

| CASSTNUM/TIME | LVLTY | DEPTH | TEMP   | SAL   | SIGMA-T | DYNDPTH | SAD VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|-------|-------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| OBS           | 00399 | 04.40 | 34.51  | 27.38 |         |         | 1474.5  |      |     |       |     |     |      |    |
| STD           | 00400 | 04.39 | 34.51  | 27.38 |         | 00.462  | 1474.4  |      |     |       |     |     |      |    |
| OBS           | 00401 | 04.35 | 34.520 | 27.39 |         |         | 1474.3  |      |     |       |     |     |      |    |
| OBS           | 00411 | 04.40 | 34.58  | 27.43 |         |         | 1474.7  |      |     |       |     |     |      |    |
| OBS           | 00418 | 04.77 | 34.03  | 27.43 |         |         | 1476.5  |      |     |       |     |     |      |    |
| OBS           | 00422 | 04.44 | 34.58  | 27.43 |         |         | 1475.1  |      |     |       |     |     |      |    |
| OBS           | 00451 | 03.50 | 34.50  | 27.47 |         |         | 1473.3  |      |     |       |     |     |      |    |
| OBS           | 00454 | 03.94 | 34.55  | 27.46 |         |         | 1473.5  |      |     |       |     |     |      |    |
| OBS           | 00464 | 05.00 | 34.87  | 27.52 |         |         | 1480.9  |      |     |       |     |     |      |    |
| OBS           | 00475 | 05.71 | 34.89  | 27.52 |         |         | 1481.6  |      |     |       |     |     |      |    |
| OBS           | 00479 | 05.44 | 34.84  | 27.52 |         |         | 1480.5  |      |     |       |     |     |      |    |
| STD           | 00500 | 05.57 | 34.91  | 27.56 |         | 00.530  | 1481.4  |      |     |       |     |     |      |    |
| OBS           | 00500 | 05.57 | 34.91  | 27.56 |         |         | 1481.5  |      |     |       |     |     |      |    |
| OBS           | 00533 | 05.63 | 34.99  | 27.61 |         |         | 1482.3  |      |     |       |     |     |      |    |
| OBS           | 00536 | 05.87 | 35.02  | 27.61 |         |         | 1483.4  |      |     |       |     |     |      |    |
| OBS           | 00548 | 05.60 | 34.98  | 27.61 |         |         | 1482.5  |      |     |       |     |     |      |    |
| OBS           | 00590 | 05.66 | 34.99  | 27.61 |         |         | 1482.8  |      |     |       |     |     |      |    |
| OBS           | 00561 | 05.51 | 34.90  | 27.60 |         |         | 1482.3  |      |     |       |     |     |      |    |
| OBS           | 00563 | 05.28 | 34.92  | 27.60 |         |         | 1481.3  |      |     |       |     |     |      |    |
| STD           | 00600 | 04.99 | 34.91  | 27.63 |         | 00.588  | 1480.7  |      |     |       |     |     |      |    |
| OBS           | 00601 | 04.98 | 34.91  | 27.63 |         |         | 1480.7  |      |     |       |     |     |      |    |
| OBS           | 00651 | 04.85 | 34.93  | 27.66 |         |         | 1481.0  |      |     |       |     |     |      |    |
| STD           | 00700 | 04.73 | 34.93  | 27.68 |         | 00.640  | 1481.4  |      |     |       |     |     |      |    |
| OBS           | 00702 | 04.73 | 34.93  | 27.68 |         |         | 1481.4  |      |     |       |     |     |      |    |
| OBS           | 00750 | 04.82 | 34.97  | 27.69 |         |         | 1482.6  |      |     |       |     |     |      |    |
| STD           | 00800 | 04.63 | 34.96  | 27.71 |         | 00.690  | 1482.7  |      |     |       |     |     |      |    |
| OBS           | 00801 | 04.63 | 34.96  | 27.71 |         |         | 1482.7  |      |     |       |     |     |      |    |
| OBS           | 00850 | 04.48 | 34.95  | 27.72 |         |         | 1482.9  |      |     |       |     |     |      |    |
| STD           | 00900 | 04.24 | 34.92  | 27.72 |         | 00.738  | 1482.6  |      |     |       |     |     |      |    |
| OBS           | 00900 | 04.24 | 34.92  | 27.72 |         |         | 1482.6  |      |     |       |     |     |      |    |
| OBS           | 00951 | 04.28 | 34.95  | 27.74 |         |         | 1483.7  |      |     |       |     |     |      |    |
| STD           | 01000 | 04.37 | 34.98  | 27.75 |         | 00.785  | 1484.9  |      |     |       |     |     |      |    |
| OBS           | 01003 | 04.37 | 34.98  | 27.75 |         |         | 1485.0  |      |     |       |     |     |      |    |
| OBS           | 01022 | 04.37 | 34.98  | 27.75 |         |         | 1485.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

| REFID 31       | 8371      | YEAR 1974  | BOYDP 04206 | ALA TEMP 12.7   | DIR HGT PER | WIND-DIR Z1 | INST STD RECORDER | TEN SQ 1306 |     |       |     |     |      |    |
|----------------|-----------|------------|-------------|-----------------|-------------|-------------|-------------------|-------------|-----|-------|-----|-----|------|----|
| CONSEC         | 0076      | MONTH 07   | SHIP EV     | WET BULB 12.2   | 21 1 2      | WIND-SPD L4 | TRACE DIR         | 5 SQUARE 2  |     |       |     |     |      |    |
| LAT 43 40.0N   | DAY 02    | DATA USE 1 | AREA 05     | BAROMETR 1018.5 | SEA         | WIND-FOR    | DURATION          | 2 SQUARE 26 |     |       |     |     |      |    |
| LONG 046 03.5W | HOUR 01.8 |            |             | CLOUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 678      | 1 SQUARE 36 |     |       |     |     |      |    |
| CASSTNUM/TIME  | LVL TYP   | DEPTH      | TEMP        | SAL             | SIGMA-T     | DYNDPTH     | SND VEL           | OXYG        | PO4 | TGT P | NO2 | NO3 | SIO3 | PH |
| 01.8           | STD       | 00000      | 16.55       | 35.02           | 25.66       | 00.000      | 1512.2            |             |     |       |     |     |      |    |
|                | OBS       | 00003      | 16.55       | 35.025          | 25.66       |             | 1512.3            |             |     |       |     |     |      |    |
|                | STD       | 00010      | 16.55       | 35.03           | 25.66       | 00.023      | 1512.4            |             |     |       |     |     |      |    |
|                | OBS       | 00011      | 16.55       | 35.033          | 25.66       |             | 1512.4            |             |     |       |     |     |      |    |
|                | OBS       | 00019      | 16.54       | 35.046          | 25.67       |             | 1512.5            |             |     |       |     |     |      |    |
|                | STD       | 00020      | 16.61       | 35.15           | 25.74       | 00.046      | 1512.9            |             |     |       |     |     |      |    |
|                | OBS       | 00022      | 16.69       | 35.414          | 25.92       |             | 1513.5            |             |     |       |     |     |      |    |
|                | STD       | 00030      | 16.03       | 35.65           | 26.26       | 00.067      | 1511.9            |             |     |       |     |     |      |    |
|                | OBS       | 00030      | 15.99       | 35.666          | 26.27       |             | 1511.8            |             |     |       |     |     |      |    |
|                | STD       | 00050      | 15.92       | 35.83           | 26.45       | 00.101      | 1511.7            |             |     |       |     |     |      |    |
| OBS            | 00051     | 15.79      | 35.835      | 26.46           |             | 1511.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00068     | 15.33      | 35.790      | 26.52           |             | 1510.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00068     | 15.32      | 35.83       | 26.56           | 00.140      | 1510.7      |                   |             |     |       |     |     |      |    |
| STD            | 00076     | 15.32      | 35.835      | 26.56           |             | 1510.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00100     | 15.29      | 35.87       | 26.60           | 00.177      | 1511.0      |                   |             |     |       |     |     |      |    |
| STD            | 00100     | 15.28      | 35.873      | 26.60           |             | 1511.0      |                   |             |     |       |     |     |      |    |
| OBS            | 00125     | 14.52      | 35.73       | 26.66           | 00.213      | 1508.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00125     | 14.50      | 35.730      | 26.66           |             | 1508.8      |                   |             |     |       |     |     |      |    |
| STD            | 00150     | 13.98      | 35.63       | 26.70           | 00.249      | 1507.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00150     | 13.97      | 35.628      | 26.70           |             | 1507.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00150     | 13.72      | 35.604      | 26.73           |             | 1506.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00175     | 13.54      | 35.60       | 26.77           | 00.317      | 1506.7      |                   |             |     |       |     |     |      |    |
| STD            | 00200     | 13.51      | 35.600      | 26.77           |             | 1506.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00203     | 13.32      | 35.585      | 26.80           |             | 1506.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00220     | 13.32      | 35.585      | 26.80           |             | 1506.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00224     | 13.05      | 35.520      | 26.80           |             | 1505.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00226     | 13.05      | 35.530      | 26.81           |             | 1505.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00228     | 13.04      | 35.520      | 26.81           |             | 1505.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00232     | 12.61      | 35.486      | 26.82           |             | 1504.6      |                   |             |     |       |     |     |      |    |
| OBS            | 00237     | 12.70      | 35.460      | 26.83           |             | 1504.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00247     | 12.96      | 35.580      | 26.87           |             | 1505.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00247     | 12.96      | 35.460      | 26.86           |             | 1504.0      |                   |             |     |       |     |     |      |    |
| OBS            | 00249     | 12.55      | 35.460      | 26.86           | 00.383      | 1504.0      |                   |             |     |       |     |     |      |    |
| STD            | 00250     | 12.55      | 35.47       | 26.86           |             | 1504.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00251     | 12.55      | 35.480      | 26.87           |             | 1504.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00253     | 12.55      | 35.480      | 26.87           |             | 1504.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00257     | 12.73      | 35.556      | 26.89           |             | 1504.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00260     | 12.70      | 35.550      | 26.90           |             | 1504.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00260     | 12.70      | 35.550      | 26.90           |             | 1504.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00266     | 12.47      | 35.500      | 26.90           |             | 1503.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00277     | 12.23      | 35.460      | 26.92           | 00.443      | 1503.4      |                   |             |     |       |     |     |      |    |
| STD            | 00300     | 11.69      | 35.40       | 26.98           |             | 1501.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00300     | 11.67      | 35.400      | 26.98           |             | 1501.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00308     | 11.49      | 35.394      | 27.01           |             | 1501.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00308     | 11.49      | 35.394      | 27.01           |             | 1501.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00312     | 11.16      | 35.324      | 27.01           |             | 1500.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00316     | 11.11      | 35.325      | 27.03           |             | 1500.0      |                   |             |     |       |     |     |      |    |
| OBS            | 00316     | 11.11      | 35.325      | 27.03           |             | 1499.2      |                   |             |     |       |     |     |      |    |
| OBS            | 00319     | 10.90      | 35.295      | 27.04           |             | 1499.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00321     | 10.92      | 35.306      | 27.04           |             | 1499.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00321     | 10.92      | 35.306      | 27.04           |             | 1498.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00323     | 10.60      | 35.210      | 27.03           |             | 1498.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00325     | 10.58      | 35.220      | 27.04           |             | 1499.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00335     | 10.88      | 35.315      | 27.06           |             | 1498.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00344     | 10.68      | 35.290      | 27.08           |             | 1498.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00352     | 09.74      | 35.116      | 27.10           |             | 1495.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00354     | 09.74      | 35.110      | 27.10           |             | 1495.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00354     | 09.74      | 35.110      | 27.10           |             | 1495.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00361     | 10.19      | 35.215      | 27.11           |             | 1497.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00367     | 10.02      | 35.175      | 27.10           |             | 1496.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00367     | 10.02      | 35.175      | 27.10           |             | 1496.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00371     | 09.49      | 35.070      | 27.11           |             | 1494.7      |                   |             |     |       |     |     |      |    |
| STD            | 00400     | 09.62      | 35.19       | 27.19           | 00.550      | 1495.8      |                   |             |     |       |     |     |      |    |
| OBS            | 00401     | 09.63      | 35.206      | 27.19           |             | 1495.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00401     | 09.63      | 35.206      | 27.19           |             | 1495.9      |                   |             |     |       |     |     |      |    |
| OBS            | 00416     | 09.21      | 35.120      | 27.20           |             | 1494.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00422     | 08.86      | 35.060      | 27.21           |             | 1493.2      |                   |             |     |       |     |     |      |    |
| OBS            | 00422     | 08.86      | 35.060      | 27.21           |             | 1493.2      |                   |             |     |       |     |     |      |    |
| OBS            | 00428     | 08.82      | 35.072      | 27.23           |             | 1493.2      |                   |             |     |       |     |     |      |    |
| OBS            | 00432     | 07.85      | 34.897      | 27.24           |             | 1489.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00437     | 07.81      | 34.910      | 27.25           |             | 1489.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00437     | 07.81      | 34.910      | 27.25           |             | 1489.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00447     | 08.48      | 35.050      | 27.26           |             | 1492.2      |                   |             |     |       |     |     |      |    |
| OBS            | 00451     | 08.44      | 35.058      | 27.27           |             | 1492.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00451     | 08.44      | 35.058      | 27.27           |             | 1492.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00474     | 08.42      | 35.090      | 27.30           |             | 1491.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00477     | 08.18      | 35.046      | 27.30           |             | 1491.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00481     | 08.12      | 35.030      | 27.30           |             | 1491.5      |                   |             |     |       |     |     |      |    |
| OBS            | 00485     | 07.84      | 34.980      | 27.31           |             | 1490.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00491     | 07.82      | 34.990      | 27.31           |             | 1490.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00491     | 07.82      | 34.990      | 27.31           |             | 1490.3      |                   |             |     |       |     |     |      |    |
| OBS            | 00494     | 06.79      | 34.830      | 27.33           | 00.640      | 1486.1      |                   |             |     |       |     |     |      |    |
| STD            | 00500     | 06.77      | 34.83       | 27.34           |             | 1486.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00500     | 06.76      | 34.834      | 27.34           |             | 1486.1      |                   |             |     |       |     |     |      |    |
| OBS            | 00517     | 06.34      | 34.834      | 27.40           |             | 1484.7      |                   |             |     |       |     |     |      |    |
| OBS            | 00538     | 07.13      | 34.980      | 27.41           |             | 1488.4      |                   |             |     |       |     |     |      |    |
| OBS            | 00546     | 05.65      | 34.743      | 27.41           |             | 1482.3      |                   |             |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| OBS           |         | 00550 | 05.65 | 34.735 | 27.41   |          | 1482.4  |      |     |       |     |     |      |    |
| OBS           |         | 00561 | 05.17 | 34.670 | 27.42   |          | 1480.5  |      |     |       |     |     |      |    |
| OBS           |         | 00563 | 05.17 | 34.690 | 27.43   |          | 1480.6  |      |     |       |     |     |      |    |
| OBS           |         | 00567 | 05.48 | 34.740 | 27.43   |          | 1482.0  |      |     |       |     |     |      |    |
| OBS           |         | 00573 | 05.51 | 34.760 | 27.45   |          | 1482.2  |      |     |       |     |     |      |    |
| OBS           |         | 00578 | 05.84 | 34.830 | 27.46   |          | 1483.7  |      |     |       |     |     |      |    |
| OBS           |         | 00592 | 05.84 | 34.840 | 27.47   |          | 1484.0  |      |     |       |     |     |      |    |
| STD           |         | 00600 | 04.44 | 34.66  | 27.47   | 00.716   | 1478.9  |      |     |       |     |     |      |    |
| OBS           |         | 00609 | 03.92 | 34.575 | 27.48   |          | 1476.0  |      |     |       |     |     |      |    |
| OBS           |         | 00618 | 03.92 | 34.616 | 27.51   |          | 1476.2  |      |     |       |     |     |      |    |
| OBS           |         | 00624 | 05.30 | 34.870 | 27.56   |          | 1482.4  |      |     |       |     |     |      |    |
| OBS           |         | 00639 | 05.30 | 34.850 | 27.54   |          | 1482.6  |      |     |       |     |     |      |    |
| OBS           |         | 00647 | 04.69 | 34.750 | 27.53   |          | 1480.1  |      |     |       |     |     |      |    |
| OBS           |         | 00649 | 04.37 | 34.730 | 27.55   |          | 1478.7  |      |     |       |     |     |      |    |
| OBS           |         | 00651 | 04.35 | 34.720 | 27.55   |          | 1478.7  |      |     |       |     |     |      |    |
| OBS           |         | 00664 | 03.60 | 34.640 | 27.56   |          | 1475.6  |      |     |       |     |     |      |    |
| OBS           |         | 00670 | 03.60 | 34.680 | 27.59   |          | 1475.8  |      |     |       |     |     |      |    |
| OBS           |         | 00675 | 04.30 | 34.775 | 27.60   |          | 1479.0  |      |     |       |     |     |      |    |
| OBS           |         | 00685 | 04.44 | 34.805 | 27.60   |          | 1479.7  |      |     |       |     |     |      |    |
| OBS           |         | 00689 | 04.99 | 34.905 | 27.62   |          | 1482.2  |      |     |       |     |     |      |    |
| STD           |         | 00700 | 05.05 | 34.91  | 27.62   | 00.778   | 1482.6  |      |     |       |     |     |      |    |
| OBS           |         | 00700 | 05.05 | 34.910 | 27.62   |          | 1482.7  |      |     |       |     |     |      |    |
| OBS           |         | 00731 | 05.30 | 34.990 | 27.65   |          | 1484.3  |      |     |       |     |     |      |    |
| OBS           |         | 00734 | 05.75 | 35.060 | 27.65   |          | 1486.3  |      |     |       |     |     |      |    |
| OBS           |         | 00751 | 05.79 | 35.080 | 27.66   |          | 1486.7  |      |     |       |     |     |      |    |
| OBS           |         | 00788 | 05.67 | 35.075 | 27.67   |          | 1486.8  |      |     |       |     |     |      |    |
| OBS           |         | 00797 | 05.38 | 35.015 | 27.66   |          | 1485.8  |      |     |       |     |     |      |    |
| STD           |         | 00800 | 05.35 | 35.03  | 27.68   | 00.833   | 1485.7  |      |     |       |     |     |      |    |
| OBS           |         | 00801 | 05.34 | 35.035 | 27.68   |          | 1485.7  |      |     |       |     |     |      |    |
| OBS           |         | 00850 | 04.98 | 34.990 | 27.69   |          | 1485.0  |      |     |       |     |     |      |    |
| STD           |         | 00900 | 04.82 | 34.98  | 27.70   | 00.884   | 1485.1  |      |     |       |     |     |      |    |
| OBS           |         | 00900 | 04.82 | 34.980 | 27.70   |          | 1485.1  |      |     |       |     |     |      |    |
| OBS           |         | 00951 | 04.78 | 35.000 | 27.71   |          | 1485.8  |      |     |       |     |     |      |    |
| STD           |         | 01000 | 04.61 | 34.99  | 27.73   | 00.934   | 1485.9  |      |     |       |     |     |      |    |
| OBS           |         | 01001 | 04.60 | 34.990 | 27.73   |          | 1485.9  |      |     |       |     |     |      |    |
| OBS           |         | 01022 | 04.50 | 34.980 | 27.74   |          | 1485.8  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BCIDP 04457 | AIR TEMP 16.5   | DIA HGT PER | WIND-DIR 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0077    | MONTH 07  | SHIP EV     | WET BULS 16.3   | 20 1 2      | WIND-SPO 16 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 22.1N   | DAY 02    | DATA USE 1  | BAROMETR 1018.6 | SEA         | WIND-FOR    | DURATION 00.3     | 2 SQUARE 26 |
| LONG 046 14.0W | HOOR 05.6 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 679      | 1 SQUARE 36 |

| CASSTNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYN/DPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|---------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 05.6          | STD     | 00000 | 16.70 | 35.34  | 25.63   | 00.000   | 1512.7  |      |     |       |     |     |      |    |
|               | OBS     | 00003 | 16.70 | 35.34  | 25.63   |          | 1512.8  |      |     |       |     |     |      |    |
|               | OBS     | 00007 | 16.83 | 35.280 | 25.79   |          | 1513.5  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 17.32 | 35.41  | 25.77   | 00.023   | 1515.2  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 17.37 | 35.500 | 25.78   |          | 1516.0  |      |     |       |     |     |      |    |
|               | OBS     | 00017 | 18.33 | 35.570 | 25.95   |          | 1518.9  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 18.44 | 36.31  | 25.95   | 00.045   | 1519.3  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 18.46 | 36.020 | 25.90   |          | 1519.4  |      |     |       |     |     |      |    |
|               | OBS     | 00022 | 18.46 | 36.340 | 25.97   |          | 1519.5  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 17.94 | 35.96  | 26.04   | 00.065   | 1518.0  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 17.89 | 35.950 | 26.04   |          | 1517.8  |      |     |       |     |     |      |    |
|               | OBS     | 00036 | 17.14 | 35.830 | 26.13   |          | 1515.6  |      |     |       |     |     |      |    |
|               | OBS     | 00040 | 16.56 | 35.850 | 26.22   |          | 1515.2  |      |     |       |     |     |      |    |
|               | OBS     | 00041 | 17.12 | 35.950 | 26.26   |          | 1515.8  |      |     |       |     |     |      |    |
|               | OBS     | 00045 | 16.63 | 35.940 | 26.27   |          | 1515.2  |      |     |       |     |     |      |    |
|               | OBS     | 00049 | 16.58 | 35.870 | 26.30   |          | 1516.2  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 16.40 | 35.82  | 26.30   | 00.102   | 1513.5  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 15.57 | 35.690 | 26.30   |          | 1512.1  |      |     |       |     |     |      |    |
|               | OBS     | 00055 | 15.33 | 35.560 | 26.35   |          | 1510.0  |      |     |       |     |     |      |    |
|               | OBS     | 00059 | 15.27 | 35.610 | 26.40   |          | 1510.0  |      |     |       |     |     |      |    |
|               | OBS     | 00066 | 14.71 | 35.570 | 26.49   |          | 1508.3  |      |     |       |     |     |      |    |
|               | OBS     | 00068 | 14.74 | 35.570 | 26.49   |          | 1508.4  |      |     |       |     |     |      |    |
|               | OBS     | 00074 | 15.01 | 35.650 | 26.49   |          | 1509.4  |      |     |       |     |     |      |    |
|               | STD     | 00075 | 14.85 | 35.61  | 26.45   | 00.144   | 1508.9  |      |     |       |     |     |      |    |
|               | OBS     | 00079 | 14.13 | 35.450 | 26.52   |          | 1506.5  |      |     |       |     |     |      |    |
|               | OBS     | 00091 | 14.43 | 35.630 | 26.60   |          | 1507.8  |      |     |       |     |     |      |    |
|               | OBS     | 00097 | 15.22 | 35.870 | 26.61   |          | 1510.7  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 15.22 | 35.850 | 26.60   | 00.182   | 1510.8  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | 15.22 | 35.850 | 26.60   |          | 1510.8  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 14.57 | 35.81  | 26.62   | 00.216   | 1510.3  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | 14.50 | 35.810 | 26.62   |          | 1510.3  |      |     |       |     |     |      |    |
|               | OBS     | 00133 | 14.50 | 35.810 | 26.64   |          | 1510.3  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 14.45 | 35.71  | 26.65   | 00.255   | 1509.1  |      |     |       |     |     |      |    |
|               | OBS     | 00152 | 14.43 | 35.650 | 26.65   |          | 1508.9  |      |     |       |     |     |      |    |
|               | OBS     | 00175 | 12.93 | 35.630 | 26.71   |          | 1507.5  |      |     |       |     |     |      |    |
|               | OBS     | 00188 | 13.77 | 35.610 | 26.72   |          | 1507.3  |      |     |       |     |     |      |    |
|               | OBS     | 00192 | 12.43 | 35.540 | 26.74   |          | 1506.1  |      |     |       |     |     |      |    |
|               | OBS     | 00198 | 13.45 | 35.560 | 26.75   |          | 1506.3  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 13.24 | 35.50  | 26.75   | 00.325   | 1505.6  |      |     |       |     |     |      |    |
|               | OBS     | 00203 | 12.91 | 35.420 | 26.75   |          | 1504.9  |      |     |       |     |     |      |    |
|               | OBS     | 00226 | 12.67 | 35.400 | 26.75   |          | 1504.0  |      |     |       |     |     |      |    |
|               | OBS     | 00249 | 12.48 | 35.410 | 26.83   |          | 1503.7  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 12.52 | 35.42  | 26.84   | 00.391   | 1503.9  |      |     |       |     |     |      |    |
|               | OBS     | 00255 | 12.62 | 35.530 | 26.86   |          | 1505.1  |      |     |       |     |     |      |    |
|               | OBS     | 00260 | 13.07 | 35.600 | 26.86   |          | 1506.1  |      |     |       |     |     |      |    |
|               | OBS     | 00277 | 13.00 | 35.620 | 26.89   |          | 1506.2  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 12.49 | 35.54  | 26.93   | 00.454   | 1504.7  |      |     |       |     |     |      |    |
|               | OBS     | 00304 | 12.38 | 35.520 | 26.94   |          | 1504.4  |      |     |       |     |     |      |    |
|               | OBS     | 00336 | 11.62 | 35.420 | 27.01   |          | 1502.2  |      |     |       |     |     |      |    |
|               | OBS     | 00340 | 10.52 | 35.270 | 27.02   |          | 1499.7  |      |     |       |     |     |      |    |
|               | OBS     | 00350 | 10.92 | 35.300 | 27.04   |          | 1499.8  |      |     |       |     |     |      |    |
|               | OBS     | 00352 | 10.90 | 35.290 | 27.04   |          | 1499.8  |      |     |       |     |     |      |    |
|               | OBS     | 00354 | 10.56 | 35.210 | 27.04   |          | 1498.5  |      |     |       |     |     |      |    |
|               | OBS     | 00376 | 05.51 | 34.950 | 27.05   |          | 1494.8  |      |     |       |     |     |      |    |
|               | OBS     | 00378 | 05.45 | 35.060 | 27.11   |          | 1494.7  |      |     |       |     |     |      |    |
|               | OBS     | 00362 | 08.70 | 34.900 | 27.11   |          | 1491.7  |      |     |       |     |     |      |    |
|               | OBS     | 00386 | 08.68 | 34.900 | 27.11   |          | 1491.7  |      |     |       |     |     |      |    |
|               | OBS     | 00392 | 08.34 | 34.830 | 27.11   |          | 1490.4  |      |     |       |     |     |      |    |
|               | OBS     | 00395 | 08.34 | 34.830 | 27.11   |          | 1490.5  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 07.94 | 34.76  | 27.11   | 00.566   | 1488.9  |      |     |       |     |     |      |    |
|               | OBS     | 00401 | 07.86 | 34.740 | 27.11   |          | 1488.6  |      |     |       |     |     |      |    |
|               | OBS     | 00405 | 07.84 | 34.735 | 27.11   |          | 1488.6  |      |     |       |     |     |      |    |
|               | OBS     | 00410 | 08.58 | 34.920 | 27.14   |          | 1491.9  |      |     |       |     |     |      |    |
|               | OBS     | 00434 | 08.24 | 34.867 | 27.15   |          | 1490.8  |      |     |       |     |     |      |    |
|               | OBS     | 00435 | 08.47 | 34.910 | 27.15   |          | 1491.8  |      |     |       |     |     |      |    |
|               | OBS     | 00443 | 08.38 | 34.890 | 27.15   |          | 1491.5  |      |     |       |     |     |      |    |
|               | OBS     | 00447 | 08.79 | 34.990 | 27.17   |          | 1493.3  |      |     |       |     |     |      |    |
|               | OBS     | 00449 | 08.77 | 34.980 | 27.16   |          | 1493.2  |      |     |       |     |     |      |    |
|               | OBS     | 00456 | 09.02 | 35.020 | 27.15   |          | 1494.3  |      |     |       |     |     |      |    |
|               | OBS     | 00464 | 08.80 | 35.010 | 27.16   |          | 1493.9  |      |     |       |     |     |      |    |
|               | OBS     | 00472 | 08.51 | 34.940 | 27.17   |          | 1492.7  |      |     |       |     |     |      |    |
|               | OBS     | 00485 | 08.47 | 34.990 | 27.22   |          | 1494.6  |      |     |       |     |     |      |    |
|               | OBS     | 00493 | 08.92 | 35.110 | 27.24   |          | 1494.6  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 08.53 | 35.11  | 27.24   | 00.645   | 1494.6  |      |     |       |     |     |      |    |

TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

| CASNUM/TIME | LVLTYP | DEPTH | TEMP   | SAL   | SIGMA-T | DYNDPTH | SND VEL | ORVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| OBS         | 00502  | 08.93 | 35.110 | 27.24 |         |         | 1494.8  |      |     |       |     |     |      |    |
| OBS         | 00514  | 08.61 | 35.076 | 27.25 |         |         | 1493.8  |      |     |       |     |     |      |    |
| OBS         | 00525  | 07.82 | 34.930 | 27.27 |         |         | 1490.8  |      |     |       |     |     |      |    |
| OBS         | 00527  | 07.94 | 35.040 | 27.33 |         |         | 1491.4  |      |     |       |     |     |      |    |
| OBS         | 00533  | 08.31 | 35.106 | 27.33 |         |         | 1493.0  |      |     |       |     |     |      |    |
| OBS         | 00550  | 07.88 | 35.040 | 27.34 |         |         | 1491.4  |      |     |       |     |     |      |    |
| STD         | 00600  | 07.31 | 35.02  | 27.41 |         | 00.751  | 1490.1  |      |     |       |     |     |      |    |
| OBS         | 00601  | 07.16 | 34.990 | 27.41 |         |         | 1489.4  |      |     |       |     |     |      |    |
| OBS         | 00605  | 06.75 | 34.910 | 27.40 |         |         | 1487.9  |      |     |       |     |     |      |    |
| OBS         | 00614  | 06.50 | 34.890 | 27.42 |         |         | 1487.1  |      |     |       |     |     |      |    |
| OBS         | 00616  | 06.23 | 34.870 | 27.44 |         |         | 1486.0  |      |     |       |     |     |      |    |
| OBS         | 00620  | 06.23 | 34.890 | 27.46 |         |         | 1486.1  |      |     |       |     |     |      |    |
| OBS         | 00632  | 06.68 | 35.000 | 27.48 |         |         | 1488.2  |      |     |       |     |     |      |    |
| OBS         | 00651  | 06.63 | 35.000 | 27.49 |         |         | 1488.3  |      |     |       |     |     |      |    |
| OBS         | 00694  | 06.32 | 35.020 | 27.55 |         |         | 1487.8  |      |     |       |     |     |      |    |
| STD         | 00700  | 05.46 | 34.88  | 27.55 |         | 00.822  | 1484.3  |      |     |       |     |     |      |    |
| OBS         | 00717  | 04.01 | 34.670 | 27.54 |         |         | 1478.3  |      |     |       |     |     |      |    |
| OBS         | 00719  | 03.99 | 34.670 | 27.55 |         |         | 1478.2  |      |     |       |     |     |      |    |
| OBS         | 00725  | 03.74 | 34.640 | 27.55 |         |         | 1477.2  |      |     |       |     |     |      |    |
| OBS         | 00727  | 03.68 | 34.620 | 27.54 |         |         | 1477.0  |      |     |       |     |     |      |    |
| OBS         | 00731  | 03.60 | 34.630 | 27.55 |         |         | 1476.7  |      |     |       |     |     |      |    |
| OBS         | 00734  | 03.62 | 34.640 | 27.56 |         |         | 1476.9  |      |     |       |     |     |      |    |
| OBS         | 00740  | 03.99 | 34.720 | 27.59 |         |         | 1478.7  |      |     |       |     |     |      |    |
| OBS         | 00751  | 03.99 | 34.720 | 27.59 |         |         | 1478.8  |      |     |       |     |     |      |    |
| OBS         | 00761  | 04.17 | 34.780 | 27.61 |         |         | 1479.8  |      |     |       |     |     |      |    |
| OBS         | 00772  | 04.60 | 34.830 | 27.61 |         |         | 1481.9  |      |     |       |     |     |      |    |
| OBS         | 00778  | 04.49 | 34.830 | 27.62 |         |         | 1481.5  |      |     |       |     |     |      |    |
| STD         | 00800  | 03.99 | 34.75  | 27.61 |         | 00.882  | 1479.7  |      |     |       |     |     |      |    |
| OBS         | 00801  | 03.97 | 34.750 | 27.61 |         |         | 1479.4  |      |     |       |     |     |      |    |
| OBS         | 00818  | 03.81 | 34.750 | 27.63 |         |         | 1479.2  |      |     |       |     |     |      |    |
| OBS         | 00829  | 04.21 | 34.830 | 27.65 |         |         | 1481.2  |      |     |       |     |     |      |    |
| OBS         | 00850  | 04.51 | 34.890 | 27.67 |         |         | 1482.9  |      |     |       |     |     |      |    |
| STD         | 00900  | 04.99 | 34.98  | 27.68 |         | 00.936  | 1485.8  |      |     |       |     |     |      |    |
| OBS         | 00900  | 04.99 | 34.980 | 27.68 |         |         | 1485.8  |      |     |       |     |     |      |    |
| OBS         | 00951  | 04.56 | 34.950 | 27.71 |         |         | 1486.4  |      |     |       |     |     |      |    |
| STD         | 01000  | 04.70 | 35.00  | 27.73 |         | 00.987  | 1486.3  |      |     |       |     |     |      |    |
| OBS         | 01001  | 04.71 | 35.000 | 27.73 |         |         | 1486.4  |      |     |       |     |     |      |    |
| OBS         | 01022  | 04.80 | 35.005 | 27.72 |         |         | 1487.1  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |            |                 |             |             |                   |             |
|----------------|-----------|------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 0371  | YEAR 1974 | BOYD 04365 | AIR TEMP 18.0   | DIR HGT PER | WIND-DIR 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0070    | MONTH 07  | SHIP EV    | NET BULB 17.2   | 21 0 2      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 42 39.5N   | DAY 02    | DATA USE 1 | BAROMETR 1020.0 | SEA         | WIND-FOR 14 | DURATION 00.4     | 2 SQUARE 26 |
| LONG 046 20.6W | HOOR 09.5 | AREA 05    | CLGUD T/A       | CL/TR       | WSATHER X4  | ORIG 011 680      | 1 SQUARE 26 |

| CASSTN/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|-------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 09.5        | STD   | 00000 | 18.66 | 35.96  | 25.86   | 00.000 | 1519.5  |      |     |       |     |     |      |    |
|             | OBS   | 00000 | 18.66 | 35.964 | 25.86   |        | 1519.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 18.64 | 35.97  | 25.87   | 00.021 | 1519.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 18.64 | 35.970 | 25.87   |        | 1519.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 18.66 | 35.970 | 25.87   |        | 1519.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 18.52 | 35.97  | 25.90   | 00.043 | 1519.5  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 18.48 | 35.966 | 25.91   |        | 1519.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 18.27 | 36.05  | 26.03   | 00.063 | 1519.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 18.26 | 36.053 | 26.03   |        | 1519.0  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 17.49 | 36.07  | 26.23   | 00.102 | 1517.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 17.46 | 36.074 | 26.24   |        | 1517.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 17.45 | 36.25  | 26.38   | 00.145 | 1517.6  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | 17.44 | 36.250 | 26.38   |        | 1517.6  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 17.01 | 36.18  | 26.44   | 00.187 | 1516.6  |      |     |       |     |     |      |    |
|             | OBS   | 00102 | 16.96 | 36.175 | 26.44   |        | 1516.5  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 16.37 | 36.11  | 26.49   | 00.227 | 1515.7  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 16.36 | 36.110 | 26.49   |        | 1515.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 16.20 | 36.02  | 26.50   | 00.267 | 1514.8  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 16.19 | 36.020 | 26.51   |        | 1514.8  |      |     |       |     |     |      |    |
|             | OBS   | 00156 | 16.24 | 36.100 | 26.55   |        | 1515.1  |      |     |       |     |     |      |    |
|             | OBS   | 00159 | 16.03 | 36.030 | 26.55   |        | 1514.5  |      |     |       |     |     |      |    |
|             | OBS   | 00175 | 15.85 | 36.000 | 26.57   |        | 1514.1  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 15.40 | 35.88  | 26.58   | 00.345 | 1513.0  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 15.35 | 35.873 | 26.59   |        | 1512.9  |      |     |       |     |     |      |    |
|             | OBS   | 00228 | 14.46 | 35.737 | 26.68   |        | 1510.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 14.34 | 35.75  | 26.71   | 00.418 | 1510.3  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 14.33 | 35.750 | 26.71   |        | 1510.3  |      |     |       |     |     |      |    |
|             | OBS   | 00276 | 14.11 | 35.734 | 26.75   |        | 1510.0  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 13.81 | 35.71  | 26.79   | 00.487 | 1509.4  |      |     |       |     |     |      |    |
|             | OBS   | 00302 | 13.77 | 35.704 | 26.79   |        | 1509.3  |      |     |       |     |     |      |    |
|             | OBS   | 00352 | 12.64 | 35.527 | 26.89   |        | 1506.1  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 11.88 | 35.46  | 26.99   | 00.614 | 1504.2  |      |     |       |     |     |      |    |
|             | OBS   | 00401 | 11.85 | 35.466 | 26.99   |        | 1504.1  |      |     |       |     |     |      |    |
|             | OBS   | 00451 | 10.44 | 35.290 | 27.08   |        | 1500.5  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 09.63 | 35.17  | 27.14   | 00.724 | 1497.5  |      |     |       |     |     |      |    |
|             | OBS   | 00500 | 09.62 | 35.165 | 27.14   |        | 1497.4  |      |     |       |     |     |      |    |
|             | OBS   | 00550 | 08.60 | 35.073 | 27.26   |        | 1494.3  |      |     |       |     |     |      |    |
|             | OBS   | 00582 | 08.11 | 35.016 | 27.29   |        | 1492.9  |      |     |       |     |     |      |    |
|             | OBS   | 00588 | 07.09 | 34.820 | 27.29   |        | 1488.8  |      |     |       |     |     |      |    |
|             | OBS   | 00592 | 06.46 | 34.760 | 27.32   |        | 1486.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 06.32 | 34.78  | 27.33   | 00.817 | 1486.7  |      |     |       |     |     |      |    |
|             | OBS   | 00601 | 06.33 | 34.786 | 27.33   |        | 1486.8  |      |     |       |     |     |      |    |
|             | OBS   | 00605 | 06.18 | 34.720 | 27.33   |        | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00611 | 06.05 | 34.754 | 27.37   |        | 1485.0  |      |     |       |     |     |      |    |
|             | OBS   | 00614 | 06.41 | 34.830 | 27.39   |        | 1486.6  |      |     |       |     |     |      |    |
|             | OBS   | 00616 | 06.45 | 34.836 | 27.38   |        | 1486.8  |      |     |       |     |     |      |    |
|             | OBS   | 00620 | 05.87 | 34.720 | 27.37   |        | 1484.4  |      |     |       |     |     |      |    |
|             | OBS   | 00622 | 05.85 | 34.740 | 27.39   |        | 1484.4  |      |     |       |     |     |      |    |
|             | OBS   | 00630 | 05.48 | 34.670 | 27.38   |        | 1482.9  |      |     |       |     |     |      |    |
|             | OBS   | 00632 | 05.34 | 34.683 | 27.41   |        | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00645 | 05.91 | 34.844 | 27.46   |        | 1485.1  |      |     |       |     |     |      |    |
|             | OBS   | 00652 | 06.02 | 34.876 | 27.47   |        | 1485.7  |      |     |       |     |     |      |    |
|             | OBS   | 00656 | 06.07 | 34.864 | 27.45   |        | 1486.0  |      |     |       |     |     |      |    |
|             | OBS   | 00672 | 05.50 | 34.604 | 27.46   |        | 1483.9  |      |     |       |     |     |      |    |
|             | OBS   | 00675 | 05.80 | 34.670 | 27.50   |        | 1485.2  |      |     |       |     |     |      |    |
|             | OBS   | 00677 | 05.84 | 34.674 | 27.49   |        | 1485.4  |      |     |       |     |     |      |    |
|             | OBS   | 00685 | 06.34 | 34.970 | 27.51   |        | 1487.7  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 06.22 | 34.98  | 27.53   | 00.892 | 1487.5  |      |     |       |     |     |      |    |
|             | OBS   | 00702 | 06.20 | 34.990 | 27.54   |        | 1487.4  |      |     |       |     |     |      |    |
|             | OBS   | 00725 | 06.66 | 35.083 | 27.55   |        | 1489.8  |      |     |       |     |     |      |    |
|             | OBS   | 00729 | 06.41 | 35.033 | 27.55   |        | 1488.8  |      |     |       |     |     |      |    |
|             | OBS   | 00757 | 06.34 | 35.076 | 27.58   |        | 1489.0  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 06.13 | 35.05  | 27.60   | 00.956 | 1488.9  |      |     |       |     |     |      |    |
|             | OBS   | 00803 | 06.12 | 35.050 | 27.60   |        | 1488.9  |      |     |       |     |     |      |    |
|             | OBS   | 00850 | 05.96 | 35.080 | 27.64   |        | 1489.1  |      |     |       |     |     |      |    |
|             | OBS   | 00873 | 05.69 | 35.044 | 27.64   |        | 1488.3  |      |     |       |     |     |      |    |
|             | OBS   | 00881 | 05.21 | 34.673 | 27.65   |        | 1486.4  |      |     |       |     |     |      |    |
|             | OBS   | 00889 | 05.19 | 34.964 | 27.64   |        | 1486.4  |      |     |       |     |     |      |    |
|             | OBS   | 00896 | 04.98 | 34.950 | 27.66   |        | 1485.7  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 05.01 | 34.96  | 27.66   | 01.014 | 1485.9  |      |     |       |     |     |      |    |
|             | OBS   | 00900 | 05.01 | 34.960 | 27.66   |        | 1485.9  |      |     |       |     |     |      |    |
|             | OBS   | 00951 | 04.90 | 34.964 | 27.68   |        | 1486.3  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.80 | 34.97  | 27.70   | 01.048 | 1486.7  |      |     |       |     |     |      |    |
|             | OBS   | 01001 | 04.80 | 34.974 | 27.70   |        | 1486.7  |      |     |       |     |     |      |    |
|             | OBS   | 01020 | 04.77 | 34.973 | 27.70   |        | 1486.9  |      |     |       |     |     |      |    |
|             | OBS   | 01022 | 04.77 | 34.973 | 27.70   |        | 1486.9  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                  |             |             |                   |             |
|----------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 03844 | AIR TEMP 15.1    | DIR HGT PER | WIND-DIR 18 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0079    | MONTH 07  | SHIP EV     | WET BULB 15.1    | 17 2 8      | WIND-SPD 16 | TRACE DIR D       | 5 SQUARE 2  |
| LAT 43 10.8N   | DAY 02    | DATA USE 1  | BAKCMETRA 1019.6 | SEA         | WIND-FOR    | CURATION 00.4     | 2 SQUARE 26 |
| LONG 046 54.0N | MOON 13.4 | AREA 05     | CLQUD T/A        | CL/7R       | WEATHER X4  | ORIG 011 681      | 1 SQUARE 36 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTH | SND VEL | OXYG | PO4 | TCT P | NO2 | NO3 | S103 | PH |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 13.4        | STD   | 00000 | 11.40 | 32.70  | 24.94   | 00.000  | 1492.5  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 11.40 | 32.706 | 24.94   |         | 1492.5  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 10.53 | 32.682 | 25.08   |         | 1489.5  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 10.26 | 32.720 | 25.15   |         | 1488.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 10.24 | 32.72  | 25.16   | 00.029  | 1488.5  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 10.19 | 32.730 | 25.17   |         | 1488.4  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 08.31 | 32.762 | 25.50   |         | 1481.4  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 08.16 | 32.826 | 25.56   |         | 1481.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 06.34 | 32.77  | 25.77   | 00.055  | 1473.8  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 05.89 | 32.764 | 25.82   |         | 1472.0  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 04.38 | 33.04  | 26.21   | 00.075  | 1466.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 04.32 | 33.054 | 26.23   |         | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 03.78 | 33.125 | 26.34   |         | 1464.0  |      |     |       |     |     |      |    |
|             | OBS   | 00040 | 03.66 | 33.142 | 26.37   |         | 1463.6  |      |     |       |     |     |      |    |
|             | OBS   | 00041 | 02.99 | 33.076 | 26.37   |         | 1460.6  |      |     |       |     |     |      |    |
|             | OBS   | 00047 | 02.58 | 33.250 | 26.55   |         | 1459.2  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 02.18 | 33.28  | 26.61   | 00.107  | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | 02.00 | 33.292 | 26.63   |         | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 01.82 | 33.290 | 26.64   |         | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00055 | 01.05 | 33.217 | 26.63   |         | 1452.5  |      |     |       |     |     |      |    |
|             | OBS   | 00057 | 00.54 | 33.320 | 26.75   |         | 1450.4  |      |     |       |     |     |      |    |
|             | OBS   | 00059 | 00.56 | 33.390 | 26.80   |         | 1450.6  |      |     |       |     |     |      |    |
|             | OBS   | 00060 | 00.89 | 33.407 | 26.79   |         | 1452.1  |      |     |       |     |     |      |    |
|             | OBS   | 00062 | 00.98 | 33.440 | 26.82   |         | 1452.6  |      |     |       |     |     |      |    |
|             | OBS   | 00066 | 00.84 | 33.442 | 26.83   |         | 1452.0  |      |     |       |     |     |      |    |
|             | OBS   | 00070 | 00.44 | 33.460 | 26.86   |         | 1450.3  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 00.63 | 33.60  | 26.96   | 00.139  | 1451.5  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | 00.79 | 33.657 | 27.00   |         | 1452.3  |      |     |       |     |     |      |    |
|             | OBS   | 00079 | 00.90 | 33.680 | 27.01   |         | 1452.9  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | 02.95 | 33.895 | 27.03   |         | 1462.3  |      |     |       |     |     |      |    |
|             | OBS   | 00089 | 07.94 | 34.676 | 27.05   |         | 1483.7  |      |     |       |     |     |      |    |
|             | OBS   | 00091 | 08.15 | 34.740 | 27.07   |         | 1484.7  |      |     |       |     |     |      |    |
|             | OBS   | 00099 | 08.00 | 34.725 | 27.08   |         | 1484.2  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 07.74 | 34.67  | 27.07   | 00.166  | 1483.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | 07.52 | 34.626 | 27.07   |         | 1482.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 07.48 | 34.65  | 27.10   | 00.191  | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00125 | 07.40 | 34.655 | 27.10   |         | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | 07.47 | 34.654 | 27.10   |         | 1482.5  |      |     |       |     |     |      |    |
|             | OBS   | 00133 | 08.31 | 34.860 | 27.14   |         | 1486.1  |      |     |       |     |     |      |    |
|             | OBS   | 00144 | 08.54 | 34.965 | 27.18   |         | 1487.3  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 09.18 | 35.09  | 27.18   | 00.215  | 1489.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | 09.20 | 35.090 | 27.18   |         | 1490.0  |      |     |       |     |     |      |    |
|             | OBS   | 00152 | 09.26 | 35.097 | 27.17   |         | 1490.3  |      |     |       |     |     |      |    |
|             | OBS   | 00158 | 05.42 | 35.120 | 27.16   |         | 1491.0  |      |     |       |     |     |      |    |
|             | OBS   | 00161 | 09.47 | 35.130 | 27.16   |         | 1491.3  |      |     |       |     |     |      |    |
|             | OBS   | 00169 | 08.32 | 34.892 | 27.16   |         | 1486.8  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | 08.13 | 34.910 | 27.20   |         | 1486.2  |      |     |       |     |     |      |    |
|             | OBS   | 00180 | 08.04 | 34.876 | 27.19   |         | 1485.9  |      |     |       |     |     |      |    |
|             | OBS   | 00188 | 07.25 | 34.750 | 27.21   |         | 1482.8  |      |     |       |     |     |      |    |
|             | OBS   | 00192 | 06.70 | 34.677 | 27.23   |         | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00198 | 06.87 | 34.690 | 27.21   |         | 1481.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 06.00 | 34.55  | 27.22   | 00.260  | 1477.8  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 05.53 | 34.486 | 27.22   |         | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00207 | 05.46 | 34.566 | 27.23   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00211 | 05.93 | 34.550 | 27.23   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00215 | 05.35 | 34.492 | 27.22   |         | 1475.2  |      |     |       |     |     |      |    |
|             | OBS   | 00217 | 04.99 | 34.416 | 27.23   |         | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00218 | 04.96 | 34.510 | 27.31   |         | 1475.8  |      |     |       |     |     |      |    |
|             | OBS   | 00220 | 05.33 | 34.547 | 27.30   |         | 1475.4  |      |     |       |     |     |      |    |
|             | OBS   | 00224 | 05.39 | 34.574 | 27.31   |         | 1475.7  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 05.67 | 34.626 | 27.32   |         | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00230 | 06.66 | 34.790 | 27.32   |         | 1481.2  |      |     |       |     |     |      |    |
|             | OBS   | 00239 | 06.86 | 34.800 | 27.30   |         | 1482.2  |      |     |       |     |     |      |    |
|             | OBS   | 00247 | 06.02 | 34.666 | 27.31   |         | 1478.8  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 05.96 | 34.66  | 27.31   | 00.303  | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 05.89 | 34.650 | 27.31   |         | 1478.6  |      |     |       |     |     |      |    |
|             | OBS   | 00257 | 05.24 | 34.580 | 27.34   |         | 1475.7  |      |     |       |     |     |      |    |
|             | OBS   | 00264 | 05.18 | 34.567 | 27.33   |         | 1475.5  |      |     |       |     |     |      |    |
|             | OBS   | 00268 | 04.62 | 34.495 | 27.34   |         | 1473.2  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 04.92 | 34.610 | 27.40   |         | 1476.7  |      |     |       |     |     |      |    |
|             | OBS   | 00281 | 05.59 | 34.720 | 27.40   |         | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00289 | 05.86 | 34.785 | 27.42   |         | 1479.0  |      |     |       |     |     |      |    |
|             | OBS   | 00297 | 06.09 | 34.830 | 27.43   |         | 1480.1  |      |     |       |     |     |      |    |
|             | OBS   | 00298 | 06.39 | 34.880 | 27.43   |         | 1481.4  |      |     |       |     |     |      |    |

TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

| CASHTUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | DXV6 | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|--------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| STD          |       | 00300 | 06.38 | 34.88  | 27.43   | 00.341  | 1481.4  |      |     |       |     |     |      |    |
| OBS          |       | 00302 | 06.37 | 34.880 | 27.43   |         | 1481.4  |      |     |       |     |     |      |    |
| OBS          |       | 00304 | 06.38 | 34.880 | 27.43   |         | 1481.4  |      |     |       |     |     |      |    |
| OBS          |       | 00310 | 06.16 | 34.850 | 27.43   |         | 1480.6  |      |     |       |     |     |      |    |
| OBS          |       | 00319 | 06.23 | 34.874 | 27.44   |         | 1481.1  |      |     |       |     |     |      |    |
| OBS          |       | 00323 | 05.62 | 34.776 | 27.44   |         | 1478.6  |      |     |       |     |     |      |    |
| OBS          |       | 00329 | 05.53 | 34.750 | 27.44   |         | 1478.3  |      |     |       |     |     |      |    |
| OBS          |       | 00335 | 05.23 | 34.716 | 27.44   |         | 1477.1  |      |     |       |     |     |      |    |
| OBS          |       | 00342 | 04.14 | 34.560 | 27.45   |         | 1472.5  |      |     |       |     |     |      |    |
| OBS          |       | 00350 | 04.04 | 34.610 | 27.45   |         | 1472.3  |      |     |       |     |     |      |    |
| OBS          |       | 00354 | 03.62 | 34.566 | 27.50   |         | 1470.5  |      |     |       |     |     |      |    |
| OBS          |       | 00388 | 04.21 | 34.690 | 27.54   |         | 1473.7  |      |     |       |     |     |      |    |
| OBS          |       | 00395 | 03.50 | 34.600 | 27.54   |         | 1470.7  |      |     |       |     |     |      |    |
| STD          |       | 00400 | 03.44 | 34.60  | 27.55   | 00.405  | 1470.5  |      |     |       |     |     |      |    |
| OBS          |       | 00401 | 03.42 | 34.600 | 27.55   |         | 1470.5  |      |     |       |     |     |      |    |
| OBS          |       | 00439 | 03.54 | 34.710 | 27.62   |         | 1471.8  |      |     |       |     |     |      |    |
| OBS          |       | 00449 | 02.45 | 34.980 | 27.63   |         | 1480.2  |      |     |       |     |     |      |    |
| STD          |       | 00500 | 05.50 | 34.99  | 27.63   | 00.461  | 1481.3  |      |     |       |     |     |      |    |
| OBS          |       | 00500 | 05.50 | 34.990 | 27.63   |         | 1481.3  |      |     |       |     |     |      |    |
| OBS          |       | 00525 | 04.96 | 34.960 | 27.67   |         | 1479.5  |      |     |       |     |     |      |    |
| OBS          |       | 00533 | 05.16 | 34.990 | 27.67   |         | 1480.4  |      |     |       |     |     |      |    |
| OBS          |       | 00540 | 05.17 | 34.980 | 27.66   |         | 1480.6  |      |     |       |     |     |      |    |
| OBS          |       | 00550 | 04.56 | 34.910 | 27.68   |         | 1478.1  |      |     |       |     |     |      |    |
| OBS          |       | 00561 | 04.56 | 34.905 | 27.67   |         | 1478.3  |      |     |       |     |     |      |    |
| OBS          |       | 00567 | 04.32 | 34.875 | 27.67   |         | 1477.4  |      |     |       |     |     |      |    |
| STD          |       | 00600 | 04.51 | 34.92  | 27.69   | 00.512  | 1478.8  |      |     |       |     |     |      |    |
| OBS          |       | 00601 | 04.52 | 34.920 | 27.69   |         | 1478.8  |      |     |       |     |     |      |    |
| OBS          |       | 00633 | 04.66 | 34.950 | 27.70   |         | 1480.0  |      |     |       |     |     |      |    |
| OBS          |       | 00641 | 04.31 | 34.900 | 27.70   |         | 1478.6  |      |     |       |     |     |      |    |
| OBS          |       | 00651 | 04.34 | 34.905 | 27.70   |         | 1478.9  |      |     |       |     |     |      |    |
| OBS          |       | 00656 | 04.60 | 34.955 | 27.71   |         | 1480.1  |      |     |       |     |     |      |    |
| STD          |       | 00700 | 04.45 | 34.92  | 27.71   | 00.559  | 1480.2  |      |     |       |     |     |      |    |
| OBS          |       | 00700 | 04.45 | 34.930 | 27.71   |         | 1480.2  |      |     |       |     |     |      |    |
| OBS          |       | 00750 | 04.31 | 34.930 | 27.72   |         | 1480.4  |      |     |       |     |     |      |    |
| STD          |       | 00800 | 04.26 | 34.95  | 27.74   | 00.605  | 1481.1  |      |     |       |     |     |      |    |
| OBS          |       | 00801 | 04.26 | 34.950 | 27.74   |         | 1481.1  |      |     |       |     |     |      |    |
| OBS          |       | 00850 | 04.37 | 34.950 | 27.73   |         | 1482.4  |      |     |       |     |     |      |    |
| STD          |       | 00900 | 04.24 | 34.95  | 27.74   | 00.651  | 1482.7  |      |     |       |     |     |      |    |
| OBS          |       | 00900 | 04.24 | 34.950 | 27.74   |         | 1482.7  |      |     |       |     |     |      |    |
| OBS          |       | 00953 | 04.18 | 34.940 | 27.74   |         | 1483.3  |      |     |       |     |     |      |    |
| STD          |       | 01000 | 04.05 | 34.94  | 27.75   | 00.696  | 1483.6  |      |     |       |     |     |      |    |
| OBS          |       | 01003 | 04.05 | 34.940 | 27.75   |         | 1483.6  |      |     |       |     |     |      |    |
| OBS          |       | 01026 | 04.03 | 34.940 | 27.76   |         | 1483.9  |      |     |       |     |     |      |    |

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TABLE 1. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | 8CTOP 03676 | AIR TEMP 13.3   | DIA HGT PER | WIND-DIA 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0080    | MONTH 07  | SHIP EV     | WET BULB 13.1   | 19 2 2      | WIND-SPD 12 | TRACE DIA 0       | 5 SQUARE 2  |
| LAT 43 21.0N   | DAY 02    | DATA USE 1  | BAROMETR 1019.2 | SEA         | WIND-FUR    | DURATION 00.4     | 2 SQUARE 26 |
| LONG 047 24.1W | HOOR 17.1 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X4  | CRIG 011 682      | 1 SQUARE 37 |

| CASNUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPT | SAC VEL | OXYG | P34 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|---------|-------|-------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 17.1        | STD     | 00000 | 11.13 | 32.88  | 25.12   | 00.000 | 1451.7  |      |     |       |     |     |      |    |
|             | OBS     | 00001 | 11.13 | 32.875 | 25.12   |        | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00005 | 11.06 | 32.665 | 25.13   |        | 1451.6  |      |     |       |     |     |      |    |
|             | OBS     | 00009 | 10.40 | 32.770 | 25.17   |        | 1486.1  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 09.81 | 32.62  | 25.15   | 00.028 | 1486.8  |      |     |       |     |     |      |    |
|             | OBS     | 00011 | 08.27 | 32.414 | 25.21   |        | 1481.2  |      |     |       |     |     |      |    |
|             | OBS     | 00013 | 06.89 | 32.610 | 25.58   |        | 1475.7  |      |     |       |     |     |      |    |
|             | OBS     | 00017 | 06.01 | 32.735 | 25.78   |        | 1472.4  |      |     |       |     |     |      |    |
|             | OBS     | 00019 | 05.16 | 32.670 | 25.64   |        | 1468.9  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 05.06 | 32.81  | 25.96   | 00.053 | 1468.7  |      |     |       |     |     |      |    |
|             | OBS     | 00020 | 04.56 | 32.910 | 26.05   |        | 1468.6  |      |     |       |     |     |      |    |
|             | OBS     | 00024 | 04.49 | 32.974 | 26.15   |        | 1466.6  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 03.95 | 33.17  | 26.36   | 00.071 | 1466.7  |      |     |       |     |     |      |    |
|             | OBS     | 00030 | 03.87 | 33.180 | 26.38   |        | 1466.4  |      |     |       |     |     |      |    |
|             | OBS     | 00034 | 03.16 | 33.180 | 26.44   |        | 1461.4  |      |     |       |     |     |      |    |
|             | OBS     | 00040 | 02.52 | 33.250 | 26.52   |        | 1460.5  |      |     |       |     |     |      |    |
|             | OBS     | 00045 | 03.60 | 33.390 | 26.57   |        | 1463.7  |      |     |       |     |     |      |    |
|             | OBS     | 00047 | 02.43 | 33.274 | 26.56   |        | 1458.6  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 02.41 | 33.36  | 26.65   | 00.102 | 1458.7  |      |     |       |     |     |      |    |
|             | OBS     | 00051 | 02.31 | 33.385 | 26.68   |        | 1458.3  |      |     |       |     |     |      |    |
|             | OBS     | 00057 | 01.16 | 33.346 | 26.72   |        | 1453.2  |      |     |       |     |     |      |    |
|             | OBS     | 00060 | 00.88 | 33.405 | 26.75   |        | 1452.1  |      |     |       |     |     |      |    |
|             | OBS     | 00062 | 00.52 | 33.365 | 26.80   |        | 1450.5  |      |     |       |     |     |      |    |
|             | OBS     | 00064 | 00.34 | 33.477 | 26.88   |        | 1449.8  |      |     |       |     |     |      |    |
|             | OBS     | 00068 | 00.84 | 33.750 | 27.07   |        | 1452.5  |      |     |       |     |     |      |    |
|             | OBS     | 00072 | 01.54 | 33.635 | 27.07   |        | 1457.6  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 01.96 | 33.88  | 27.10   | 00.132 | 1457.8  |      |     |       |     |     |      |    |
|             | OBS     | 00076 | 02.06 | 33.910 | 27.12   |        | 1458.3  |      |     |       |     |     |      |    |
|             | OBS     | 00085 | 05.10 | 34.274 | 27.11   |        | 1471.9  |      |     |       |     |     |      |    |
|             | OBS     | 00087 | 05.13 | 34.275 | 27.11   |        | 1472.0  |      |     |       |     |     |      |    |
|             | OBS     | 00091 | 05.53 | 34.346 | 27.11   |        | 1473.8  |      |     |       |     |     |      |    |
|             | OBS     | 00097 | 05.59 | 34.387 | 27.14   |        | 1474.2  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 05.54 | 34.43  | 27.13   | 00.156 | 1475.7  |      |     |       |     |     |      |    |
|             | OBS     | 00104 | 06.21 | 34.474 | 27.13   |        | 1476.9  |      |     |       |     |     |      |    |
|             | OBS     | 00106 | 06.21 | 34.475 | 27.13   |        | 1477.0  |      |     |       |     |     |      |    |
|             | OBS     | 00110 | 06.53 | 34.506 | 27.16   |        | 1478.4  |      |     |       |     |     |      |    |
|             | OBS     | 00116 | 06.73 | 34.610 | 27.17   |        | 1479.4  |      |     |       |     |     |      |    |
|             | OBS     | 00118 | 07.13 | 34.696 | 27.18   |        | 1481.1  |      |     |       |     |     |      |    |
|             | OBS     | 00121 | 07.11 | 34.664 | 27.17   |        | 1481.1  |      |     |       |     |     |      |    |
|             | STD     | 00125 | 07.36 | 34.73  | 27.18   | 00.179 | 1482.1  |      |     |       |     |     |      |    |
|             | OBS     | 00127 | 07.48 | 34.766 | 27.18   |        | 1482.7  |      |     |       |     |     |      |    |
|             | OBS     | 00137 | 07.39 | 34.740 | 27.18   |        | 1482.5  |      |     |       |     |     |      |    |
|             | OBS     | 00142 | 06.75 | 34.624 | 27.17   |        | 1479.9  |      |     |       |     |     |      |    |
|             | OBS     | 00144 | 06.70 | 34.616 | 27.17   |        | 1479.7  |      |     |       |     |     |      |    |
|             | OBS     | 00148 | 06.33 | 34.705 | 27.19   |        | 1478.5  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 06.32 | 34.57  | 27.19   | 00.202 | 1478.3  |      |     |       |     |     |      |    |
|             | OBS     | 00150 | 06.32 | 34.576 | 27.19   |        | 1478.3  |      |     |       |     |     |      |    |
|             | OBS     | 00152 | 06.05 | 34.555 | 27.22   |        | 1477.2  |      |     |       |     |     |      |    |
|             | OBS     | 00161 | 06.37 | 34.686 | 27.27   |        | 1478.8  |      |     |       |     |     |      |    |
|             | STD     | 00203 | 04.63 | 34.62  | 27.42   | 00.242 | 1473.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 03.86 | 34.55  | 27.46   | 00.276 | 1469.8  |      |     |       |     |     |      |    |
|             | OBS     | 00257 | 03.82 | 34.535 | 27.46   |        | 1469.7  |      |     |       |     |     |      |    |
|             | OBS     | 00266 | 03.80 | 34.546 | 27.46   |        | 1469.6  |      |     |       |     |     |      |    |
|             | OBS     | 00276 | 04.03 | 34.616 | 27.49   |        | 1471.0  |      |     |       |     |     |      |    |
|             | OBS     | 00298 | 04.58 | 34.730 | 27.53   |        | 1473.8  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 04.62 | 34.74  | 27.53   | 00.307 | 1474.0  |      |     |       |     |     |      |    |
|             | OBS     | 00304 | 04.76 | 34.766 | 27.53   |        | 1474.7  |      |     |       |     |     |      |    |
|             | OBS     | 00327 | 04.53 | 34.756 | 27.55   |        | 1474.1  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 04.69 | 34.84  | 27.61   | 00.364 | 1476.1  |      |     |       |     |     |      |    |
|             | OBS     | 00415 | 04.83 | 34.900 | 27.64   |        | 1477.7  |      |     |       |     |     |      |    |
|             | OBS     | 00418 | 04.87 | 34.917 | 27.65   |        | 1477.7  |      |     |       |     |     |      |    |
|             | OBS     | 00422 | 04.54 | 34.930 | 27.65   |        | 1477.4  |      |     |       |     |     |      |    |
|             | OBS     | 00451 | 04.82 | 34.946 | 27.67   |        | 1477.7  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 04.78 | 34.96  | 27.69   | 00.414 | 1478.3  |      |     |       |     |     |      |    |
|             | OBS     | 00500 | 04.78 | 34.966 | 27.69   |        | 1478.3  |      |     |       |     |     |      |    |
|             | OBS     | 00552 | 04.62 | 34.986 | 27.70   |        | 1479.3  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 04.69 | 34.98  | 27.72   | 00.461 | 1479.6  |      |     |       |     |     |      |    |
|             | OBS     | 00601 | 04.69 | 34.980 | 27.72   |        | 1479.6  |      |     |       |     |     |      |    |
|             | OBS     | 00652 | 04.67 | 34.996 | 27.73   |        | 1480.4  |      |     |       |     |     |      |    |
|             | STD     | 00700 | 04.47 | 34.97  | 27.73   | 00.506 | 1480.3  |      |     |       |     |     |      |    |
|             | OBS     | 00700 | 04.47 | 34.970 | 27.73   |        | 1480.3  |      |     |       |     |     |      |    |
|             | OBS     | 00751 | 04.42 | 34.976 | 27.74   |        | 1481.0  |      |     |       |     |     |      |    |
|             | STD     | 00800 | 04.35 | 34.97  | 27.74   | 00.551 | 1481.5  |      |     |       |     |     |      |    |
|             | OBS     | 00803 | 04.34 | 34.967 | 27.75   |        | 1481.5  |      |     |       |     |     |      |    |
|             | OBS     | 00850 | 04.15 | 34.956 | 27.75   |        | 1481.5  |      |     |       |     |     |      |    |
|             | STD     | 00900 | 04.05 | 34.94  | 27.75   | 00.595 | 1481.9  |      |     |       |     |     |      |    |
|             | OBS     | 00902 | 04.05 | 34.940 | 27.75   |        | 1481.9  |      |     |       |     |     |      |    |
|             | OBS     | 00953 | 03.55 | 34.930 | 27.76   |        | 1482.3  |      |     |       |     |     |      |    |
|             | STD     | 01000 | 03.88 | 34.92  | 27.76   | 00.639 | 1482.8  |      |     |       |     |     |      |    |
|             | OBS     | 01001 | 03.88 | 34.920 | 27.76   |        | 1482.8  |      |     |       |     |     |      |    |
|             | OBS     | 01075 | 03.87 | 34.935 | 27.77   |        | 1484.0  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 02932 | AIR TEMP 10.7   | DIA MGT PER | WIND-DIR 20 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0081    | MONTH 07  | SHIP EV     | WET BULB 10.7   | 24 2 3      | WIND-SPD 15 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 32.0N   | DAY 02    | DATA USE 1  | BAROMETR 1019.9 | SEA         | WIND-FOR    | DURATION 00.5     | 2 SQUARE 26 |
| LONG 047 58.0W | HOOR 20.8 | AREA 05     | CLOUD TFA       | CL/TR       | WEATHER X4  | ORIG 011 483      | 1 SQUARE 37 |

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYN DPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 20.8          | STD     | 00000 | 08.27 | 33.00  | 25.69   | 00.000   | 1481.4  |      |     |       |     |     |      |    |
|               | OBS     | 00000 | 08.27 | 33.000 | 25.69   |          | 1481.4  |      |     |       |     |     |      |    |
|               | OBS     | 00007 | 08.16 | 32.968 | 25.68   |          | 1481.0  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 07.73 | 32.95  | 25.73   | 00.023   | 1479.4  |      |     |       |     |     |      |    |
|               | OBS     | 00011 | 07.51 | 32.946 | 25.75   |          | 1478.5  |      |     |       |     |     |      |    |
|               | OBS     | 00015 | 06.99 | 32.922 | 25.81   |          | 1476.5  |      |     |       |     |     |      |    |
|               | OBS     | 00017 | 06.04 | 32.806 | 25.83   |          | 1472.6  |      |     |       |     |     |      |    |
|               | OBS     | 00019 | 04.92 | 32.850 | 26.00   |          | 1468.1  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 04.58 | 33.000 | 26.16   | 00.044   | 1467.7  |      |     |       |     |     |      |    |
|               | OBS     | 00020 | 04.58 | 33.000 | 26.16   |          | 1466.9  |      |     |       |     |     |      |    |
|               | OBS     | 00022 | 03.92 | 32.970 | 26.20   |          | 1464.2  |      |     |       |     |     |      |    |
|               | OBS     | 00024 | 03.41 | 33.132 | 26.38   |          | 1462.2  |      |     |       |     |     |      |    |
|               | OBS     | 00026 | 03.12 | 33.095 | 26.38   |          | 1461.0  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 02.49 | 33.12  | 26.45   | 00.062   | 1458.3  |      |     |       |     |     |      |    |
|               | OBS     | 00030 | 02.41 | 33.125 | 26.46   |          | 1458.0  |      |     |       |     |     |      |    |
|               | OBS     | 00034 | 01.90 | 33.174 | 26.54   |          | 1455.9  |      |     |       |     |     |      |    |
|               | OBS     | 00034 | 01.13 | 33.160 | 26.58   |          | 1452.5  |      |     |       |     |     |      |    |
|               | OBS     | 00038 | 00.86 | 33.294 | 26.70   |          | 1449.1  |      |     |       |     |     |      |    |
|               | OBS     | 00043 | 00.30 | 33.370 | 26.80   |          | 1446.9  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 00.19 | 33.49  | 26.90   | 00.089   | 1449.0  |      |     |       |     |     |      |    |
|               | OBS     | 00051 | 00.19 | 33.517 | 26.92   |          | 1449.0  |      |     |       |     |     |      |    |
|               | OBS     | 00064 | 00.63 | 33.680 | 27.03   |          | 1451.4  |      |     |       |     |     |      |    |
|               | OBS     | 00068 | 00.55 | 33.660 | 27.02   |          | 1451.1  |      |     |       |     |     |      |    |
|               | OBS     | 00072 | 00.19 | 33.690 | 27.06   |          | 1449.5  |      |     |       |     |     |      |    |
|               | STD     | 00075 | 00.08 | 33.70  | 27.08   | 00.116   | 1449.1  |      |     |       |     |     |      |    |
|               | OBS     | 00076 | 00.05 | 33.710 | 27.08   |          | 1449.0  |      |     |       |     |     |      |    |
|               | OBS     | 00087 | 00.23 | 33.797 | 27.15   |          | 1450.1  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 00.60 | 33.91  | 27.21   | 00.139   | 1452.2  |      |     |       |     |     |      |    |
|               | OBS     | 00100 | 00.62 | 33.912 | 27.22   |          | 1452.3  |      |     |       |     |     |      |    |
|               | OBS     | 00106 | 00.72 | 33.917 | 27.21   |          | 1452.8  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 01.16 | 34.12  | 27.35   | 00.159   | 1455.4  |      |     |       |     |     |      |    |
|               | OBS     | 00125 | 01.17 | 34.124 | 27.35   |          | 1455.4  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 01.31 | 34.21  | 27.41   | 00.177   | 1456.6  |      |     |       |     |     |      |    |
|               | OBS     | 00150 | 01.32 | 34.212 | 27.41   |          | 1456.6  |      |     |       |     |     |      |    |
|               | OBS     | 00175 | 02.11 | 34.377 | 27.49   |          | 1460.8  |      |     |       |     |     |      |    |
|               | OBS     | 00178 | 02.27 | 34.384 | 27.48   |          | 1461.6  |      |     |       |     |     |      |    |
|               | OBS     | 00184 | 01.83 | 34.362 | 27.50   |          | 1459.7  |      |     |       |     |     |      |    |
|               | OBS     | 00190 | 01.86 | 34.370 | 27.50   |          | 1459.9  |      |     |       |     |     |      |    |
|               | OBS     | 00199 | 03.15 | 34.530 | 27.52   |          | 1465.9  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 03.15 | 34.53  | 27.52   | 00.209   | 1465.9  |      |     |       |     |     |      |    |
|               | OBS     | 00201 | 03.15 | 34.540 | 27.53   |          | 1465.9  |      |     |       |     |     |      |    |
|               | OBS     | 00220 | 03.71 | 34.622 | 27.54   |          | 1468.2  |      |     |       |     |     |      |    |
|               | OBS     | 00226 | 03.38 | 34.570 | 27.53   |          | 1467.4  |      |     |       |     |     |      |    |
|               | OBS     | 00232 | 03.11 | 34.560 | 27.55   |          | 1466.3  |      |     |       |     |     |      |    |
|               | OBS     | 00236 | 02.82 | 34.520 | 27.54   |          | 1465.1  |      |     |       |     |     |      |    |
|               | OBS     | 00237 | 02.77 | 34.540 | 27.56   |          | 1464.9  |      |     |       |     |     |      |    |
|               | OBS     | 00241 | 03.01 | 34.580 | 27.57   |          | 1466.1  |      |     |       |     |     |      |    |
|               | OBS     | 00245 | 03.01 | 34.580 | 27.57   |          | 1466.1  |      |     |       |     |     |      |    |
|               | OBS     | 00249 | 03.83 | 34.710 | 27.59   |          | 1469.9  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 03.84 | 34.71  | 27.59   | 00.237   | 1469.9  |      |     |       |     |     |      |    |
|               | OBS     | 00251 | 03.85 | 34.710 | 27.59   |          | 1470.0  |      |     |       |     |     |      |    |
|               | OBS     | 00255 | 03.85 | 34.710 | 27.59   |          | 1470.0  |      |     |       |     |     |      |    |
|               | OBS     | 00276 | 04.39 | 34.810 | 27.62   |          | 1472.8  |      |     |       |     |     |      |    |
|               | OBS     | 00281 | 04.82 | 34.880 | 27.62   |          | 1476.7  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 04.58 | 34.86  | 27.63   | 00.262   | 1476.0  |      |     |       |     |     |      |    |
|               | OBS     | 00300 | 04.57 | 34.860 | 27.63   |          | 1476.2  |      |     |       |     |     |      |    |
|               | OBS     | 00350 | 04.87 | 34.930 | 27.66   |          | 1477.4  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 04.96 | 34.96  | 27.67   | 00.311   | 1477.4  |      |     |       |     |     |      |    |
|               | OBS     | 00401 | 04.96 | 34.960 | 27.67   |          | 1477.4  |      |     |       |     |     |      |    |
|               | OBS     | 00451 | 04.82 | 34.970 | 27.69   |          | 1477.7  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 04.74 | 34.97  | 27.70   | 00.358   | 1478.1  |      |     |       |     |     |      |    |
|               | OBS     | 00500 | 04.74 | 34.970 | 27.70   |          | 1478.2  |      |     |       |     |     |      |    |
|               | OBS     | 00550 | 04.53 | 34.950 | 27.71   |          | 1478.1  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 04.51 | 34.97  | 27.73   | 00.403   | 1478.8  |      |     |       |     |     |      |    |
|               | OBS     | 00601 | 04.51 | 34.970 | 27.73   |          | 1478.9  |      |     |       |     |     |      |    |
|               | OBS     | 00651 | 04.51 | 34.980 | 27.74   |          | 1479.7  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 04.38 | 34.97  | 27.74   | 00.447   | 1480.0  |      |     |       |     |     |      |    |
|               | OBS     | 00700 | 04.38 | 34.970 | 27.74   |          | 1480.0  |      |     |       |     |     |      |    |
|               | OBS     | 00750 | 04.30 | 34.960 | 27.74   |          | 1480.4  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 04.13 | 34.95  | 27.75   | 00.491   | 1480.6  |      |     |       |     |     |      |    |
|               | OBS     | 00803 | 04.13 | 34.950 | 27.75   |          | 1480.6  |      |     |       |     |     |      |    |
|               | OBS     | 00850 | 04.14 | 34.950 | 27.75   |          | 1481.4  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 04.05 | 34.94  | 27.75   | 00.534   | 1481.9  |      |     |       |     |     |      |    |
|               | OBS     | 00900 | 04.05 | 34.940 | 27.75   |          | 1481.9  |      |     |       |     |     |      |    |
|               | OBS     | 00951 | 04.01 | 34.940 | 27.76   |          | 1482.6  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 03.51 | 34.93  | 27.76   | 00.578   | 1482.9  |      |     |       |     |     |      |    |
|               | OBS     | 01001 | 03.51 | 34.930 | 27.76   |          | 1483.0  |      |     |       |     |     |      |    |
|               | OBS     | 01029 | 03.88 | 34.950 | 27.76   |          | 1483.3  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTDP 03200 | AIN TEMP 14.7   | DIR HGT PER | WIND-DIR 19 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0082    | MONTH 07  | SHIP EV     | WET BULB 14.1   | 22 2 2      | WIND-SPD 18 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 39.8N   | DAY 02    | DATA USE 1  | BAROMETR 1020.0 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 28 |
| LONG 048 22.5W | HOOR 23.8 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 684      | 1 SQUARE 38 |

|             |       |       |       |        |         |         |         |      |     |       |     |     |       |    |
|-------------|-------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|-------|----|
| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNDPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | \$103 | PH |
| 23.8        | OBS   | 00009 | 08.84 | 32.973 | 25.58   |         | 1483.4  |      |     |       |     |     |       |    |
|             | STD   | 00010 | 08.78 | 32.95  | 25.57   |         | 1483.4  |      |     |       |     |     |       |    |
|             | OBS   | 00013 | 08.35 | 32.875 | 25.58   |         | 1481.7  |      |     |       |     |     |       |    |
|             | STD   | 00020 | 07.30 | 32.97  | 25.80   |         | 1477.9  |      |     |       |     |     |       |    |
|             | OBS   | 00020 | 06.98 | 32.980 | 25.85   |         | 1476.7  |      |     |       |     |     |       |    |
|             | OBS   | 00022 | 06.16 | 32.933 | 25.92   |         | 1473.4  |      |     |       |     |     |       |    |
|             | OBS   | 00026 | 04.98 | 33.073 | 26.17   |         | 1468.8  |      |     |       |     |     |       |    |
|             | STD   | 00030 | 04.47 | 33.20  | 26.33   |         | 1466.9  |      |     |       |     |     |       |    |
|             | OBS   | 00030 | 04.42 | 33.200 | 26.34   |         | 1466.7  |      |     |       |     |     |       |    |
|             | OBS   | 00032 | 04.30 | 33.180 | 26.33   |         | 1466.2  |      |     |       |     |     |       |    |
|             | OBS   | 00036 | 02.83 | 33.080 | 26.39   |         | 1459.9  |      |     |       |     |     |       |    |
|             | OBS   | 00038 | 02.11 | 33.310 | 26.63   |         | 1457.1  |      |     |       |     |     |       |    |
|             | OBS   | 00040 | 01.84 | 33.373 | 26.70   |         | 1456.0  |      |     |       |     |     |       |    |
|             | OBS   | 00041 | 01.77 | 33.435 | 26.76   |         | 1455.8  |      |     |       |     |     |       |    |
|             | OBS   | 00045 | 01.35 | 33.400 | 26.76   |         | 1453.9  |      |     |       |     |     |       |    |
|             | STD   | 00050 | 01.02 | 33.40  | 26.78   |         | 1452.5  |      |     |       |     |     |       |    |
|             | OBS   | 00051 | 00.96 | 33.413 | 26.80   |         | 1452.3  |      |     |       |     |     |       |    |
|             | OBS   | 00059 | 01.07 | 33.524 | 26.88   |         | 1453.1  |      |     |       |     |     |       |    |
|             | OBS   | 00070 | 00.39 | 33.575 | 26.96   |         | 1450.3  |      |     |       |     |     |       |    |
|             | OBS   | 00072 | 00.43 | 33.583 | 26.96   |         | 1450.5  |      |     |       |     |     |       |    |
|             | STD   | 00075 | 00.27 | 33.58  | 26.97   |         | 1449.8  |      |     |       |     |     |       |    |
|             | OBS   | 00076 | 00.21 | 33.578 | 26.97   |         | 1449.5  |      |     |       |     |     |       |    |
|             | OBS   | 00079 | 0.01  | 33.590 | 26.99   |         | 1448.6  |      |     |       |     |     |       |    |
|             | OBS   | 00095 | 00.81 | 33.815 | 27.13   |         | 1452.9  |      |     |       |     |     |       |    |
|             | STD   | 00100 | 00.73 | 33.86  | 27.16   |         | 1452.7  |      |     |       |     |     |       |    |
|             | OBS   | 00100 | 00.71 | 33.860 | 27.17   |         | 1452.4  |      |     |       |     |     |       |    |
|             | OBS   | 00102 | 00.76 | 33.865 | 27.17   |         | 1452.9  |      |     |       |     |     |       |    |
|             | OBS   | 00104 | 00.50 | 33.910 | 27.22   |         | 1451.8  |      |     |       |     |     |       |    |
|             | OBS   | 00118 | 00.73 | 33.960 | 27.25   |         | 1453.1  |      |     |       |     |     |       |    |
|             | OBS   | 00121 | 01.45 | 34.070 | 27.29   |         | 1456.6  |      |     |       |     |     |       |    |
|             | OBS   | 00123 | 01.60 | 34.076 | 27.29   |         | 1457.3  |      |     |       |     |     |       |    |
|             | STD   | 00125 | 01.77 | 34.10  | 27.29   |         | 1458.1  |      |     |       |     |     |       |    |
|             | OBS   | 00129 | 02.19 | 34.143 | 27.29   |         | 1460.1  |      |     |       |     |     |       |    |
|             | OBS   | 00140 | 02.08 | 34.160 | 27.31   |         | 1459.8  |      |     |       |     |     |       |    |
|             | OBS   | 00142 | 02.85 | 34.290 | 27.35   |         | 1463.3  |      |     |       |     |     |       |    |
|             | OBS   | 00146 | 02.88 | 34.290 | 27.35   |         | 1463.6  |      |     |       |     |     |       |    |
|             | STD   | 00150 | 02.74 | 34.27  | 27.35   |         | 1463.0  |      |     |       |     |     |       |    |
|             | OBS   | 00150 | 02.71 | 34.267 | 27.35   |         | 1462.8  |      |     |       |     |     |       |    |
|             | OBS   | 00159 | 02.73 | 34.294 | 27.37   |         | 1463.1  |      |     |       |     |     |       |    |
|             | OBS   | 00175 | 02.29 | 34.325 | 27.43   |         | 1461.5  |      |     |       |     |     |       |    |
|             | OBS   | 00177 | 03.34 | 34.460 | 27.44   |         | 1466.2  |      |     |       |     |     |       |    |
|             | OBS   | 00178 | 03.35 | 34.450 | 27.44   |         | 1466.3  |      |     |       |     |     |       |    |
|             | OBS   | 00180 | 02.94 | 34.415 | 27.45   |         | 1464.5  |      |     |       |     |     |       |    |
|             | OBS   | 00188 | 03.00 | 34.430 | 27.45   |         | 1464.9  |      |     |       |     |     |       |    |
|             | OBS   | 00196 | 03.49 | 34.550 | 27.50   |         | 1467.3  |      |     |       |     |     |       |    |
|             | STD   | 00200 | 03.90 | 34.61  | 27.50   |         | 1469.2  |      |     |       |     |     |       |    |
|             | OBS   | 00201 | 04.04 | 34.625 | 27.51   |         | 1469.8  |      |     |       |     |     |       |    |
|             | OBS   | 00217 | 03.94 | 34.610 | 27.50   |         | 1469.6  |      |     |       |     |     |       |    |
|             | OBS   | 00226 | 04.39 | 34.710 | 27.54   |         | 1471.8  |      |     |       |     |     |       |    |
|             | STD   | 00250 | 03.72 | 34.67  | 27.58   |         | 1469.4  |      |     |       |     |     |       |    |
|             | OBS   | 00251 | 03.72 | 34.670 | 27.57   |         | 1469.4  |      |     |       |     |     |       |    |
|             | OBS   | 00277 | 04.39 | 34.795 | 27.60   |         | 1472.8  |      |     |       |     |     |       |    |
|             | STD   | 00300 | 04.14 | 34.74  | 27.59   |         | 1472.0  |      |     |       |     |     |       |    |
|             | OBS   | 00300 | 04.13 | 34.740 | 27.59   |         | 1472.0  |      |     |       |     |     |       |    |
|             | OBS   | 00323 | 03.82 | 34.757 | 27.63   |         | 1471.1  |      |     |       |     |     |       |    |
|             | OBS   | 00329 | 03.94 | 34.705 | 27.62   |         | 1469.9  |      |     |       |     |     |       |    |
|             | OBS   | 00350 | 03.82 | 34.770 | 27.64   |         | 1471.4  |      |     |       |     |     |       |    |
|             | STD   | 00400 | 03.79 | 34.77  | 27.65   |         | 1472.3  |      |     |       |     |     |       |    |
|             | OBS   | 00401 | 03.78 | 34.770 | 27.65   |         | 1472.2  |      |     |       |     |     |       |    |
|             | OBS   | 00407 | 03.72 | 34.770 | 27.65   |         | 1472.1  |      |     |       |     |     |       |    |
|             | OBS   | 00411 | 03.51 | 34.740 | 27.65   |         | 1471.2  |      |     |       |     |     |       |    |
|             | OBS   | 00449 | 03.93 | 34.825 | 27.68   |         | 1473.7  |      |     |       |     |     |       |    |
|             | OBS   | 00458 | 03.70 | 34.795 | 27.68   |         | 1472.9  |      |     |       |     |     |       |    |
|             | STD   | 00500 | 03.75 | 34.82  | 27.69   |         | 1473.8  |      |     |       |     |     |       |    |
|             | OBS   | 00500 | 03.75 | 34.820 | 27.69   |         | 1473.8  |      |     |       |     |     |       |    |
|             | OBS   | 00550 | 03.83 | 34.850 | 27.71   |         | 1475.0  |      |     |       |     |     |       |    |
|             | STD   | 00600 | 03.87 | 34.86  | 27.71   |         | 1476.0  |      |     |       |     |     |       |    |
|             | OBS   | 00601 | 03.87 | 34.860 | 27.71   |         | 1476.0  |      |     |       |     |     |       |    |
|             | OBS   | 00651 | 03.88 | 34.870 | 27.72   |         | 1476.9  |      |     |       |     |     |       |    |
|             | STD   | 00700 | 03.84 | 34.88  | 27.73   |         | 1477.6  |      |     |       |     |     |       |    |
|             | OBS   | 00700 | 03.84 | 34.880 | 27.73   |         | 1477.6  |      |     |       |     |     |       |    |
|             | OBS   | 00750 | 03.79 | 34.880 | 27.73   |         | 1478.2  |      |     |       |     |     |       |    |
|             | STD   | 00800 | 03.74 | 34.88  | 27.74   |         | 1478.8  |      |     |       |     |     |       |    |
|             | OBS   | 00801 | 03.74 | 34.880 | 27.74   |         | 1478.8  |      |     |       |     |     |       |    |
|             | OBS   | 00852 | 03.69 | 34.870 | 27.74   |         | 1479.5  |      |     |       |     |     |       |    |
|             | STD   | 00900 | 03.72 | 34.88  | 27.74   |         | 1480.4  |      |     |       |     |     |       |    |
|             | OBS   | 00900 | 03.72 | 34.880 | 27.74   |         | 1480.4  |      |     |       |     |     |       |    |
|             | OBS   | 00951 | 03.72 | 34.900 | 27.76   |         | 1481.3  |      |     |       |     |     |       |    |
|             | STD   | 01000 | 03.68 | 34.89  | 27.75   |         | 1481.9  |      |     |       |     |     |       |    |
|             | OBS   | 01001 | 03.68 | 34.890 | 27.75   |         | 1481.9  |      |     |       |     |     |       |    |
|             | OBS   | 01018 | 03.64 | 34.890 | 27.76   |         | 1482.1  |      |     |       |     |     |       |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BCTDP 01940 | ATA TEMP 07.8   | OIA HGT PER | WIND-OIA 21 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0083    | MONTH 07  | SHIP EV     | NET BULB 07.8   | 21 2 2      | WIND-SPD 10 | TRACE DIR 0       | 5 SQUARE 2  |
| LAT 43 48.0N   | DAY 03    | DATA USE 1  | BAAOMETR 1019.9 | SEA         | WIND-FOR    | DURATION 00.4     | 2 SQUARE 28 |
| LONG 048 46.4W | MOOR 02.9 | AREA 05     | CLLUD T/A       | CL/TR       | WEATHER X4  | ORIG 011 685      | 1 SQUARE 38 |

| CASUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYNOPTH | SND VEL | QXYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|------------|-------|-------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 02.9       | STD   | 00000 | 05.70  | 32.76 | 25.84   | 00.000  | 1470.9  |      |     |       |     |     |      |    |
|            | OBS   | 00003 | 05.70  | 32.76 | 25.84   |         | 1471.0  |      |     |       |     |     |      |    |
|            | OBS   | 00009 | 05.71  | 32.76 | 25.84   |         | 1471.1  |      |     |       |     |     |      |    |
|            | STD   | 00010 | 05.56  | 32.75 | 25.85   | 00.022  | 1470.5  |      |     |       |     |     |      |    |
|            | OBS   | 00013 | 04.75  | 32.71 | 25.91   |         | 1467.1  |      |     |       |     |     |      |    |
|            | STD   | 00020 | 03.96  | 32.68 | 26.13   | 00.042  | 1469.2  |      |     |       |     |     |      |    |
|            | OBS   | 00020 | 03.88  | 32.89 | 26.14   |         | 1463.9  |      |     |       |     |     |      |    |
|            | STD   | 00030 | 03.55  | 32.89 | 26.18   | 00.061  | 1462.6  |      |     |       |     |     |      |    |
|            | OBS   | 00030 | 03.42  | 32.89 | 26.19   |         | 1462.0  |      |     |       |     |     |      |    |
|            | OBS   | 00034 | 02.02  | 32.97 | 26.37   |         | 1456.1  |      |     |       |     |     |      |    |
|            | OBS   | 00036 | 01.83  | 33.11 | 26.50   |         | 1455.5  |      |     |       |     |     |      |    |
|            | OBS   | 00040 | 01.78  | 33.13 | 26.51   |         | 1455.4  |      |     |       |     |     |      |    |
|            | OBS   | 00043 | 00.90  | 33.14 | 26.58   |         | 1451.5  |      |     |       |     |     |      |    |
|            | OBS   | 00049 | 00.44  | 33.24 | 26.69   |         | 1449.7  |      |     |       |     |     |      |    |
|            | STD   | 00050 | 00.29  | 33.25 | 26.70   | 00.093  | 1445.0  |      |     |       |     |     |      |    |
|            | OBS   | 00051 | - 0.12 | 33.27 | 26.74   |         | 1447.2  |      |     |       |     |     |      |    |
|            | STD   | 00075 | - 0.86 | 33.38 | 26.86   | 00.125  | 1444.3  |      |     |       |     |     |      |    |
|            | OBS   | 00076 | - 0.88 | 33.39 | 26.87   |         | 1444.2  |      |     |       |     |     |      |    |
|            | OBS   | 00089 | - 1.06 | 33.53 | 26.99   |         | 1443.8  |      |     |       |     |     |      |    |
|            | STD   | 00100 | - 0.83 | 33.62 | 27.05   | 00.152  | 1445.2  |      |     |       |     |     |      |    |
|            | OBS   | 00100 | - 0.61 | 33.63 | 27.06   |         | 1445.3  |      |     |       |     |     |      |    |
|            | STD   | 00125 | - 0.22 | 33.82 | 27.18   | 00.176  | 1446.7  |      |     |       |     |     |      |    |
|            | OBS   | 00125 | - 0.20 | 33.82 | 27.19   |         | 1446.8  |      |     |       |     |     |      |    |
|            | STD   | 00150 | 00.53  | 34.02 | 27.31   | 00.197  | 1452.8  |      |     |       |     |     |      |    |
|            | OBS   | 00150 | 00.54  | 34.02 | 27.31   |         | 1452.9  |      |     |       |     |     |      |    |
|            | OBS   | 00175 | 00.66  | 34.06 | 27.34   |         | 1454.0  |      |     |       |     |     |      |    |
|            | STD   | 00200 | 01.29  | 34.24 | 27.44   | 00.233  | 1457.4  |      |     |       |     |     |      |    |
|            | OBS   | 00201 | 01.32  | 34.25 | 27.45   |         | 1457.6  |      |     |       |     |     |      |    |
|            | OBS   | 00220 | 01.57  | 34.34 | 27.50   |         | 1459.1  |      |     |       |     |     |      |    |
|            | OBS   | 00226 | 01.57  | 34.40 | 27.52   |         | 1461.0  |      |     |       |     |     |      |    |
|            | STD   | 00250 | 02.09  | 34.46 | 27.56   | 00.263  | 1462.1  |      |     |       |     |     |      |    |
|            | OBS   | 00251 | 02.10  | 34.46 | 27.56   |         | 1462.1  |      |     |       |     |     |      |    |
|            | OBS   | 00277 | 02.20  | 34.49 | 27.57   |         | 1463.0  |      |     |       |     |     |      |    |
|            | STD   | 00300 | 02.35  | 34.54 | 27.60   | 00.290  | 1464.1  |      |     |       |     |     |      |    |
|            | OBS   | 00300 | 02.36  | 34.54 | 27.60   |         | 1464.2  |      |     |       |     |     |      |    |
|            | OBS   | 00350 | 02.80  | 34.64 | 27.64   |         | 1467.0  |      |     |       |     |     |      |    |
|            | STD   | 00400 | 03.08  | 34.70 | 27.66   | 00.339  | 1469.1  |      |     |       |     |     |      |    |
|            | OBS   | 00403 | 03.10  | 34.70 | 27.66   |         | 1469.3  |      |     |       |     |     |      |    |
|            | OBS   | 00451 | 03.44  | 34.76 | 27.67   |         | 1471.6  |      |     |       |     |     |      |    |
|            | STD   | 00500 | 03.56  | 34.80 | 27.69   | 00.386  | 1473.0  |      |     |       |     |     |      |    |
|            | OBS   | 00500 | 03.56  | 34.80 | 27.69   |         | 1473.0  |      |     |       |     |     |      |    |
|            | OBS   | 00552 | 03.76  | 34.83 | 27.70   |         | 1474.7  |      |     |       |     |     |      |    |
|            | STD   | 00600 | 03.87  | 34.86 | 27.71   | 00.431  | 1476.0  |      |     |       |     |     |      |    |
|            | OBS   | 00601 | 03.87  | 34.86 | 27.71   |         | 1476.0  |      |     |       |     |     |      |    |
|            | OBS   | 00652 | 03.87  | 34.88 | 27.73   |         | 1476.9  |      |     |       |     |     |      |    |
|            | STD   | 00700 | 03.85  | 34.88 | 27.73   | 00.475  | 1477.6  |      |     |       |     |     |      |    |
|            | OBS   | 00700 | 03.85  | 34.88 | 27.73   |         | 1477.6  |      |     |       |     |     |      |    |
|            | OBS   | 00750 | 03.81  | 34.87 | 27.72   |         | 1478.3  |      |     |       |     |     |      |    |
|            | STD   | 00800 | 03.81  | 34.88 | 27.73   | 00.520  | 1479.1  |      |     |       |     |     |      |    |
|            | OBS   | 00805 | 03.81  | 34.88 | 27.73   |         | 1479.2  |      |     |       |     |     |      |    |
|            | OBS   | 00852 | 03.78  | 34.87 | 27.73   |         | 1479.9  |      |     |       |     |     |      |    |
|            | STD   | 00900 | 03.74  | 34.87 | 27.73   | 00.565  | 1480.5  |      |     |       |     |     |      |    |
|            | OBS   | 00900 | 03.74  | 34.87 | 27.73   |         | 1480.5  |      |     |       |     |     |      |    |
|            | OBS   | 00951 | 03.72  | 34.86 | 27.73   |         | 1481.2  |      |     |       |     |     |      |    |
|            | STD   | 01000 | 03.70  | 34.89 | 27.75   | 00.610  | 1482.0  |      |     |       |     |     |      |    |
|            | OBS   | 01001 | 03.70  | 34.89 | 27.75   |         | 1482.0  |      |     |       |     |     |      |    |
|            | OBS   | 01029 | 03.69  | 34.89 | 27.75   |         | 1482.5  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974-(Continued)

REFID 31 8371 YEAR 1974 BOTOP 00374 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1906  
 CONSEC 0084 MONTH 07 SHIP EV WET BULB 09.8 DIR HGT PER WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 43 51.4N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR 15 DURATION 00.1 2 SQUARE 28  
 LONG 048 59.1W HOUR 04.9 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 606 1 SQUARE 38

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | ORIG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 04.9        | STD   | 00000 | 05.03  | 32.70  | 25.87   | 00.000 | 1468.1  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 05.03  | 32.700 | 25.87   |        | 1468.1  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 05.05  | 32.700 | 25.87   |        | 1468.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 04.67  | 32.45  | 25.88   | 00.021 | 1468.7  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 04.43  | 32.650 | 25.90   |        | 1465.7  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 03.73  | 32.740 | 26.04   |        | 1462.9  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 03.65  | 32.770 | 26.07   |        | 1462.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.93  | 32.67  | 26.05   | 00.042 | 1459.5  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 00.57  | 32.660 | 26.21   |        | 1449.1  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 00.09  | 32.880 | 26.41   |        | 1447.2  |      |     |       |     |     |      |    |
|             | STD   | 00030 | - 0.60 | 33.02  | 26.36   | 00.059 | 1444.3  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | - 0.71 | 33.025 | 26.57   |        | 1443.8  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | - 1.15 | 33.015 | 26.57   |        | 1441.7  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 1.41 | 33.22  | 26.75   | 00.087 | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00051 | - 1.42 | 33.235 | 26.76   |        | 1441.1  |      |     |       |     |     |      |    |
|             | OBS   | 00048 | - 1.52 | 33.310 | 26.82   |        | 1441.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.49 | 33.31  | 26.82   | 00.119 | 1441.2  |      |     |       |     |     |      |    |
|             | OBS   | 00076 | - 1.49 | 33.310 | 26.82   |        | 1441.3  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 1.41 | 33.35  | 26.85   | 00.149 | 1442.1  |      |     |       |     |     |      |    |
|             | OBS   | 00100 | - 1.40 | 33.350 | 26.85   |        | 1442.2  |      |     |       |     |     |      |    |
|             | STD   | 00125 | - 1.03 | 33.51  | 26.97   | 00.178 | 1444.3  |      |     |       |     |     |      |    |
|             | OBS   | 00127 | - 0.99 | 33.527 | 26.98   |        | 1444.6  |      |     |       |     |     |      |    |
|             | STD   | 00150 | - 0.65 | 33.65  | 27.07   | 00.204 | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00150 | - 0.64 | 33.650 | 27.07   |        | 1446.9  |      |     |       |     |     |      |    |
|             | OBS   | 00177 | - 0.27 | 33.750 | 27.13   |        | 1449.2  |      |     |       |     |     |      |    |
|             | STD   | 00200 | - 0.02 | 33.82  | 27.17   | 00.231 | 1450.9  |      |     |       |     |     |      |    |
|             | OBS   | 00201 | 00.00  | 33.820 | 27.18   |        | 1451.0  |      |     |       |     |     |      |    |
|             | OBS   | 00226 | 00.19  | 33.880 | 27.21   |        | 1452.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 00.81  | 34.11  | 27.36   | 00.292 | 1455.9  |      |     |       |     |     |      |    |
|             | OBS   | 00251 | 00.84  | 34.115 | 27.37   |        | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00277 | 01.30  | 34.200 | 27.40   |        | 1458.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 01.74  | 34.33  | 27.47   | 00.324 | 1461.1  |      |     |       |     |     |      |    |
|             | OBS   | 00300 | 01.75  | 34.330 | 27.48   |        | 1461.2  |      |     |       |     |     |      |    |
|             | OBS   | 00350 | 02.56  | 34.570 | 27.60   |        | 1465.9  |      |     |       |     |     |      |    |
|             | OBS   | 00367 | 02.80  | 34.607 | 27.61   |        | 1467.3  |      |     |       |     |     |      |    |

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REFID 31 8371 YEAR 1974 BOTOP 00079 AIR TEMP 09.8 DIR HGT PER WIND-DIR 22 INST STD RECORDER TEN SQ 1906  
 CONSEC 0085 MONTH 07 SHIP EV WET BULB 09.8 DIR HGT PER WIND-SPD 15 TRACE DIR 0 5 SQUARE 2  
 LAT 43 55.1N DAY 03 DATA USE 1 BAROMETR 1019.8 SEA WIND-FOR 15 DURATION 00.1 2 SQUARE 28  
 LONG 049 10.0W HOUR 06.2 AREA 05 CLOUD T/A CL/TR WEATHER X4 ORIG 011 607 1 SQUARE 39

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNPTH | SND VEL | ORIG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|--------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 06.2        | STD   | 00000 | 07.98  | 32.50  | 25.34   | 00.000 | 1479.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 07.98  | 32.500 | 25.34   |        | 1479.6  |      |     |       |     |     |      |    |
|             | OBS   | 00005 | 07.47  | 32.600 | 25.33   |        | 1477.0  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 06.66  | 32.560 | 25.57   |        | 1474.7  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 06.57  | 32.57  | 25.58   | 00.025 | 1474.3  |      |     |       |     |     |      |    |
|             | OBS   | 00011 | 06.36  | 32.577 | 25.62   |        | 1473.5  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 06.08  | 32.600 | 25.67   |        | 1472.5  |      |     |       |     |     |      |    |
|             | OBS   | 00019 | 04.85  | 32.580 | 25.80   |        | 1467.5  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.50  | 32.61  | 25.86   | 00.048 | 1466.1  |      |     |       |     |     |      |    |
|             | OBS   | 00020 | 04.22  | 32.637 | 25.91   |        | 1464.9  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 03.13  | 32.670 | 26.04   |        | 1460.4  |      |     |       |     |     |      |    |
|             | OBS   | 00028 | 02.40  | 32.750 | 26.16   |        | 1457.4  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.08  | 32.72  | 26.17   | 00.068 | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 01.97  | 32.720 | 26.17   |        | 1455.5  |      |     |       |     |     |      |    |
|             | OBS   | 00034 | 01.32  | 32.770 | 26.26   |        | 1452.7  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 00.96  | 32.870 | 26.36   |        | 1451.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 00.60  | 32.94  | 26.44   | 00.103 | 1450.0  |      |     |       |     |     |      |    |
|             | OBS   | 00053 | 00.45  | 32.960 | 26.46   |        | 1449.4  |      |     |       |     |     |      |    |
|             | OBS   | 00072 | - 0.83 | 33.130 | 26.65   |        | 1444.0  |      |     |       |     |     |      |    |
|             | STD   | 00075 | - 1.01 | 33.13  | 26.66   | 00.140 | 1443.2  |      |     |       |     |     |      |    |
|             | OBS   | 00078 | - 1.17 | 33.200 | 26.73   |        | 1442.7  |      |     |       |     |     |      |    |
|             | OBS   | 00083 | - 1.34 | 33.560 | 27.02   |        | 1442.5  |      |     |       |     |     |      |    |
|             | OBS   | 00085 | - 1.33 | 33.660 | 27.10   |        | 1442.7  |      |     |       |     |     |      |    |

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TABLE I. CGC EVERGREEN, April-June 1974--(Continued)

|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00042 | AIR TEMP 09.8   | DIA HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0086    | MONTH 07  | SHIP EV     | WET BULB 09.8   | 00 0 X      | WIND-SPD 15 | TRACE DIA 0       | 5 SQUARE 2  |
| LAT 43 57.9N   | DAY 03    | DATA USE 1  | SANCMETR 1019.8 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 28 |
| LONG 049 17.4W | MOOR 07.0 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 688      | 1 SQUARE 39 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 07.0        | STD   | 00000 | 08.50 | 32.52 | 25.28   | 00.000 | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00001 | 08.50 | 32.52 | 25.28   |        | 1481.6  |      |     |       |     |     |      |    |
|             | OBS   | 00009 | 08.30 | 32.57 | 25.35   |        | 1481.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 08.19 | 32.50 | 25.31   | 00.027 | 1480.6  |      |     |       |     |     |      |    |
|             | OBS   | 00013 | 07.47 | 32.40 | 25.33   |        | 1477.7  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 05.57 | 32.61 | 25.70   |        | 1472.1  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 05.53 | 32.63 | 25.76   | 00.051 | 1470.4  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 05.19 | 32.64 | 25.81   |        | 1469.0  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 04.52 | 32.69 | 25.88   |        | 1468.0  |      |     |       |     |     |      |    |
|             | OBS   | 00026 | 04.65 | 32.71 | 25.90   |        | 1467.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.27 | 32.74 | 26.17   | 00.072 | 1456.8  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.07 | 32.75 | 26.19   |        | 1456.0  |      |     |       |     |     |      |    |
|             | OBS   | 00032 | 01.75 | 32.84 | 26.28   |        | 1456.7  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 01.52 | 32.91 | 26.36   |        | 1454.0  |      |     |       |     |     |      |    |
|             | OBS   | 00045 | 01.57 | 32.91 | 26.36   |        | 1454.3  |      |     |       |     |     |      |    |

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|                |           |             |                 |             |             |                   |             |
|----------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 8371  | YEAR 1974 | BOTOP 00042 | AIR TEMP 09.8   | DIA HGT PER | WIND-DIR 22 | INST STD RECORDER | TEN SQ 1306 |
| CONSEC 0087    | MONTH 07  | SHIP EV     | WET BULB 09.8   | 00 0 X      | WIND-SPD 15 | TRACE DIA 0       | 5 SQUARE 2  |
| LAT 44 01.5N   | DAY 03    | DATA USE 1  | BAROMETR 1019.8 | SEA         | WIND-FOR    | DURATION 00.1     | 2 SQUARE 48 |
| LONG 049 25.9W | MOOR 07.6 | AREA 05     | CLUD T/A        | CL/TR       | WEATHER X2  | ORIG 011 689      | 1 SQUARE 49 |

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNPTH | SND VEL | OXYG | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 07.6        | STD   | 00000 | 08.71 | 32.53 | 25.25   | 00.000 | 1482.4  |      |     |       |     |     |      |    |
|             | OBS   | 00003 | 08.71 | 32.53 | 25.25   |        | 1482.3  |      |     |       |     |     |      |    |
|             | OBS   | 00007 | 07.43 | 32.48 | 25.41   |        | 1477.6  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 07.11 | 32.50 | 25.46   | 00.026 | 1476.4  |      |     |       |     |     |      |    |
|             | OBS   | 00015 | 06.40 | 32.57 | 25.61   |        | 1473.7  |      |     |       |     |     |      |    |
|             | OBS   | 00017 | 06.14 | 32.61 | 25.67   |        | 1472.8  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 04.84 | 32.58 | 25.80   | 00.050 | 1467.5  |      |     |       |     |     |      |    |
|             | OBS   | 00022 | 03.49 | 32.56 | 25.92   |        | 1461.8  |      |     |       |     |     |      |    |
|             | OBS   | 00024 | 02.52 | 32.74 | 26.15   |        | 1457.9  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 02.43 | 32.77 | 26.18   | 00.070 | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00030 | 02.42 | 32.77 | 26.18   |        | 1457.6  |      |     |       |     |     |      |    |
|             | OBS   | 00038 | 02.38 | 32.77 | 26.18   |        | 1457.5  |      |     |       |     |     |      |    |
|             | OBS   | 00043 | 02.39 | 32.78 | 26.19   |        | 1457.7  |      |     |       |     |     |      |    |

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TABLE II. CGC CHASE, March 1974

|               |           |             |                  |             |             |                  |             |
|---------------|-----------|-------------|------------------|-------------|-------------|------------------|-------------|
| REFID 31 2396 | YEAR 1974 | BOTOP 01134 | AIR TEMP 01.0    | DIR HGT PER | WIND-DIR 31 | INST Nansen Cast | TEN 50 1300 |
| CONSEC 0001   | MONTH 03  | SHIP E1     | NET SALS -03.0   | 31 1 2      | WIND-SPD 10 | TRACE DIR        | 5 SQUARE 4  |
| LAT 46 59 N   | DAY 31    | DATA USE 1  | BAROMETER 1028.2 | SEA         | WIND-FCR    | DURATION         | 2 SQUARE 06 |
| LONG 046 48 W | HOUR 12.7 | AREA 05     | CLOUD T/A 6/6    | CL/TR       | WEATHER X1  | CRIG AS 05001    | 1 SQUARE 66 |

| CASNUM/TIME | LVL/TP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNAPTH | SAC VBL | QXVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
|             | STD    | 00000 | - 1.72 | 34.10  | 27.47   | 00.000  | 1440.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00000 | - 1.72 | 34.108 | 27.47   |         | 1440.0  |      |     |       |     |     |      |    |
|             | STD    | 00010 | - 0.61 | 34.11  | 27.43   | 00.004  | 1440.5  |      |     |       |     |     |      |    |
|             | STD    | 00020 | 00.41  | 34.11  | 27.39   | 00.013  | 1440.3  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00024 | 00.70  | 34.114 | 27.37   |         | 1441.6  |      |     |       |     |     |      |    |
|             | STD    | 00030 | 00.97  | 34.10  | 27.41   | 00.020  | 1443.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00040 | 01.00  | 34.325 | 27.49   |         | 1446.9  |      |     |       |     |     |      |    |
|             | STD    | 00050 | 01.01  | 34.33  | 27.49   | 00.033  | 1446.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00073 | 01.07  | 34.374 | 27.53   |         | 1446.7  |      |     |       |     |     |      |    |
|             | STD    | 00078 | 01.03  | 34.39  | 27.53   | 00.047  | 1447.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00067 | 02.04  | 34.404 | 27.58   |         | 1449.3  |      |     |       |     |     |      |    |
|             | STD    | 00100 | 02.01  | 34.40  | 27.58   | 00.061  | 1449.2  |      |     |       |     |     |      |    |
|             | STD    | 00108 | 01.77  | 34.47  | 27.59   | 00.074  | 1449.6  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00140 | 01.05  | 34.467 | 27.59   |         | 1449.4  |      |     |       |     |     |      |    |
|             | STD    | 00180 | 01.06  | 34.47  | 27.59   | 00.087  | 1449.0  |      |     |       |     |     |      |    |
|             | STD    | 00200 | 02.02  | 34.53  | 27.61   | 00.112  | 1441.0  |      |     |       |     |     |      |    |
|             | STD    | 00250 | 02.37  | 34.59  | 27.63   | 00.136  | 1443.4  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00257 | 02.71  | 34.647 | 27.65   |         | 1448.8  |      |     |       |     |     |      |    |
|             | STD    | 00300 | 02.74  | 34.65  | 27.65   | 00.160  | 1448.5  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00308 | 03.45  | 34.750 | 27.69   |         | 1470.8  |      |     |       |     |     |      |    |
|             | STD    | 00400 | 03.49  | 34.75  | 27.65   | 00.204  | 1471.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00467 | 04.01  | 34.827 | 27.72   |         | 1474.9  |      |     |       |     |     |      |    |
|             | STD    | 00500 | 04.01  | 34.80  | 27.72   | 00.250  | 1475.0  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00508 | 03.92  | 34.903 | 27.74   |         | 1476.2  |      |     |       |     |     |      |    |
|             | STD    | 00600 | 03.92  | 34.90  | 27.74   | 00.293  | 1476.3  |      |     |       |     |     |      |    |
|             | STD    | 00700 | 03.86  | 34.89  | 27.74   | 00.334  | 1477.7  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00700 | 03.79  | 34.862 | 27.74   |         | 1478.6  |      |     |       |     |     |      |    |
|             | STD    | 00800 | 03.78  | 34.86  | 27.74   | 00.375  | 1479.0  |      |     |       |     |     |      |    |
|             | STD    | 00900 | 03.66  | 34.89  | 27.75   | 00.423  | 1480.2  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 00991 | 03.62  | 34.87  | 27.75   |         | 1481.5  |      |     |       |     |     |      |    |
|             | STD    | 01000 | 03.62  | 34.88  | 27.75   | 00.467  | 1481.7  |      |     |       |     |     |      |    |
| 12.7        | OBS    | 01074 | 03.63  | 34.911 | 27.77   |         | 1483.0  |      |     |       |     |     |      |    |

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|               |           |             |                  |             |             |                  |             |
|---------------|-----------|-------------|------------------|-------------|-------------|------------------|-------------|
| REFID 31 2396 | YEAR 1974 | BOTOP 00677 | AIR TEMP -01.2   | DIR HGT PER | WIND-DIR 29 | INST Nansen Cast | TEN 50 1300 |
| CONSEC 0002   | MONTH 03  | SHIP E1     | NET SALS -02.4   | 29 1 3      | WIND-SPD 16 | TRACE DIR        | 5 SQUARE 4  |
| LAT 47 02 N   | DAY 31    | DATA USE 1  | BAROMETER 1028.0 | SEA         | WIND-FCR    | DURATION         | 2 SQUARE 06 |
| LONG 046 29 W | HOUR 14.4 | AREA 05     | CLOUD T/A 6/6    | CL/TR       | WEATHER X1  | CRIG AS 05002    | 1 SQUARE 70 |

| CASNUM/TIME | LVL/TP | DEPTH | TEMP   | SAL    | SIGMA-T | DYNAPTH | SAC VBL | QXVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|-------|--------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
|             | STD    | 00000 | - 0.82 | 33.67  | 26.53   | 00.000  | 1443.4  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00000 | - 0.82 | 33.668 | 26.53   |         | 1443.4  |      |     |       |     |     |      |    |
|             | STD    | 00010 | - 0.72 | 33.69  | 26.54   | 00.011  | 1444.0  |      |     |       |     |     |      |    |
|             | STD    | 00020 | - 0.62 | 33.82  | 26.96   | 00.022  | 1444.7  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00022 | - 0.60 | 33.824 | 26.96   |         | 1444.8  |      |     |       |     |     |      |    |
|             | STD    | 00030 | 00.42  | 33.69  | 27.05   | 00.033  | 1449.5  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00040 | 01.25  | 33.512 | 27.15   |         | 1455.7  |      |     |       |     |     |      |    |
|             | STD    | 00080 | 01.58  | 33.54  | 27.17   | 00.052  | 1455.6  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00067 | 01.86  | 34.022 | 27.24   |         | 1470.1  |      |     |       |     |     |      |    |
|             | STD    | 00078 | 01.72  | 34.06  | 27.26   | 00.074  | 1467.0  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00089 | 01.95  | 34.125 | 27.30   |         | 1468.3  |      |     |       |     |     |      |    |
|             | STD    | 00100 | 02.02  | 34.17  | 27.33   | 00.094  | 1468.9  |      |     |       |     |     |      |    |
|             | STD    | 00122 | 02.23  | 34.26  | 27.38   | 00.112  | 1469.3  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00134 | 02.31  | 34.291 | 27.40   |         | 1469.5  |      |     |       |     |     |      |    |
|             | STD    | 00180 | 02.67  | 34.38  | 27.44   | 00.125  | 1468.6  |      |     |       |     |     |      |    |
|             | STD    | 00200 | 03.08  | 34.62  | 27.55   | 00.160  | 1467.8  |      |     |       |     |     |      |    |
|             | STD    | 00280 | 04.14  | 34.78  | 27.62   | 00.180  | 1471.3  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00347 | 04.26  | 34.82  | 27.64   |         | 1472.1  |      |     |       |     |     |      |    |
|             | STD    | 00350 | 04.26  | 34.85  | 27.66   | 00.211  | 1472.7  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00351 | 04.24  | 34.88  | 27.68   |         | 1473.0  |      |     |       |     |     |      |    |
|             | STD    | 00400 | 04.16  | 34.90  | 27.71   | 00.250  | 1474.0  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00434 | 04.08  | 34.90  | 27.72   |         | 1474.2  |      |     |       |     |     |      |    |
|             | STD    | 00500 | 03.84  | 34.89  | 27.74   | 00.295  | 1474.3  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00511 | 03.83  | 34.89  | 27.74   |         | 1474.4  |      |     |       |     |     |      |    |
| 14.4        | OBS    | 00571 | 03.86  | 34.88  | 27.72   |         | 1475.6  |      |     |       |     |     |      |    |

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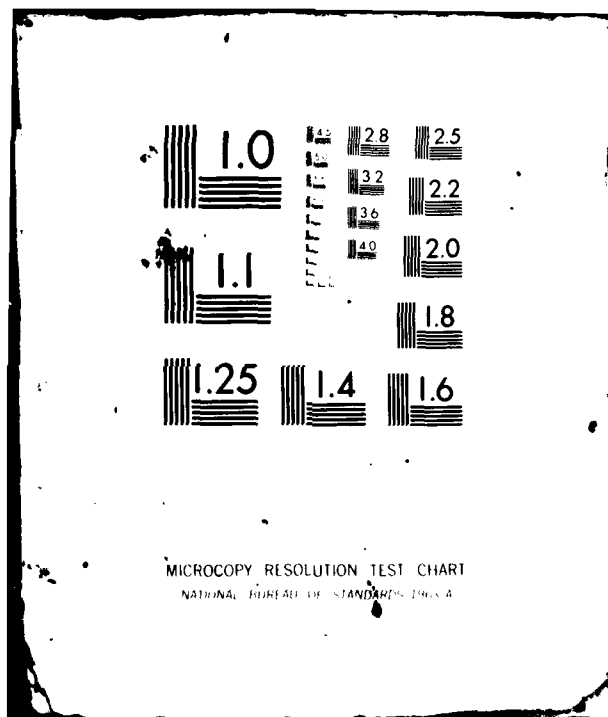


TABLE II. CGC CHASE, March 1974--(Continued)

REFID 31 2394 YEAR 1974 BOTOP 00238 AIR TEMP -01.2 DIR PGT PER WIND-DIR 29 INST NANSEN CAST TEN SQ 1306  
 CONSEC 0003 MONTH 03 SHIP E1 WET BULB -02.6 29 1 3 WIND-SPD 16 TRACE DIR 5 SQUARE 4  
 LAT 47 00 N DAY 31 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 64  
 LONG 044 13 W HOUR 14.2 AREA 00 CLOUD T/A 6/6 CL/TS WEATHER X1 ORIG A2 00003 1 SQUARE 76

| CASHTIME | LVL | DEPTH  | TEMP  | SAL   | SIGMA-T | DYNDEPTH | SND VEL | QXY6 | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|----------|-----|--------|-------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 16.2     | STD | 00000  | 01.78 | 33.78 | 26.97   | 00.000   | 1488.4  |      |     |       |     |     |      |    |
|          | ONS | 00000  | 01.78 | 33.78 | 26.97   |          | 1489.0  |      |     |       |     |     |      |    |
|          | STD | 00010  | 01.13 | 33.70 | 27.02   | 00.011   | 1482.0  |      |     |       |     |     |      |    |
|          | STD | 00020  | 00.00 | 33.72 | 27.06   | 00.021   | 1481.0  |      |     |       |     |     |      |    |
| 16.2     | ONS | 00025  | 00.78 | 33.74 | 27.07   |          | 1481.4  |      |     |       |     |     |      |    |
|          | STD | 00030  | 00.94 | 33.76 | 27.09   | 00.031   | 1482.0  |      |     |       |     |     |      |    |
|          | STD | 00040  | 01.50 | 33.80 | 27.14   | 00.050   | 1485.7  |      |     |       |     |     |      |    |
| 16.2     | ONS | 00060  | 01.60 | 33.80 | 27.14   |          | 1485.7  |      |     |       |     |     |      |    |
|          | ONS | 00074  | 01.61 | 33.63 | 27.18   |          | 1487.2  |      |     |       |     |     |      |    |
|          | STD | 00075  | 01.61 | 33.93 | 27.15   | 00.074   | 1487.2  |      |     |       |     |     |      |    |
| 16.2     | ONS | 00099  | 01.58 | 33.90 | 27.17   |          | 1488.2  |      |     |       |     |     |      |    |
|          | STD | 00100  | 01.56 | 33.90 | 27.17   | 00.097   | 1488.3  |      |     |       |     |     |      |    |
|          | STD | 00125  | 02.23 | 34.03 | 27.19   | 00.119   | 1489.0  |      |     |       |     |     |      |    |
| 16.2     | ONS | 00140  | 02.03 | 34.10 | 27.20   |          | 1489.0  |      |     |       |     |     |      |    |
|          | STD | 00150  | 02.03 | 34.19 | 27.20   | 00.141   | 1483.7  |      |     |       |     |     |      |    |
|          | STD | 00200  | 04.63 | 34.67 | 27.48   | 00.177   | 1472.3  |      |     |       |     |     |      |    |
| 16.2     | ONS | T00203 | 04.08 | 34.69 | 27.49   |          | 1472.6  |      |     |       |     |     |      |    |
|          | STD | 00250  | 04.37 | 34.74 | 27.59   | 00.206   | 1472.2  |      |     |       |     |     |      |    |
| 16.2     | ONS | 00282  | 04.16 | 34.84 | 27.66   |          | 1472.0  |      |     |       |     |     |      |    |

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REFID 31 2394 YEAR 1974 BOTOP 00293 AIR TEMP -00.0 DIR PGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306  
 CONSEC 0004 MONTH 03 SHIP E1 WET BULB -02.0 27 2 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 47 02 N DAY 31 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 64  
 LONG 045 50 W HOUR 18.1 AREA 00 CLOUD T/A 6/6 CL/TS WEATHER X1 ORIG A2 00004 1 SQUARE 76

| CASHTIME | LVL | DEPTH  | TEMP  | SAL   | SIGMA-T | DYNDEPTH | SND VEL | QXY6 | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|----------|-----|--------|-------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 18.1     | STD | 00000  | 02.10 | 33.98 | 27.17   | 00.000   | 1487.3  |      |     |       |     |     |      |    |
|          | ONS | 00000  | 02.10 | 33.58 | 27.17   |          | 1487.3  |      |     |       |     |     |      |    |
|          | STD | 00010  | 02.09 | 33.96 | 27.16   | 00.009   | 1487.4  |      |     |       |     |     |      |    |
|          | STD | 00020  | 02.08 | 33.94 | 27.14   | 00.018   | 1487.8  |      |     |       |     |     |      |    |
| 18.1     | ONS | 00022  | 02.08 | 33.94 | 27.14   |          | 1487.8  |      |     |       |     |     |      |    |
|          | STD | 00030  | 02.07 | 33.96 | 27.16   | 00.028   | 1487.6  |      |     |       |     |     |      |    |
| 18.1     | ONS | 00044  | 02.05 | 33.99 | 27.18   |          | 1487.0  |      |     |       |     |     |      |    |
|          | STD | 00050  | 02.05 | 33.99 | 27.18   | 00.046   | 1487.0  |      |     |       |     |     |      |    |
| 18.1     | ONS | 00066  | 02.05 | 33.99 | 27.18   |          | 1488.2  |      |     |       |     |     |      |    |
|          | STD | 00075  | 02.08 | 33.99 | 27.18   | 00.066   | 1488.5  |      |     |       |     |     |      |    |
| 18.1     | ONS | 00088  | 02.11 | 33.99 | 27.18   |          | 1489.0  |      |     |       |     |     |      |    |
|          | STD | 00100  | 02.10 | 34.00 | 27.18   | 00.091   | 1489.0  |      |     |       |     |     |      |    |
|          | STD | 00125  | 02.07 | 34.01 | 27.19   | 00.112   | 1489.3  |      |     |       |     |     |      |    |
| 18.1     | ONS | 00122  | 02.06 | 34.01 | 27.20   |          | 1489.3  |      |     |       |     |     |      |    |
|          | STD | 00180  | 03.24 | 34.29 | 27.32   | 00.134   | 1485.1  |      |     |       |     |     |      |    |
| 18.1     | ONS | T00101 | 04.48 | 34.62 | 27.48   |          | 1471.3  |      |     |       |     |     |      |    |
|          | STD | 00200  | 04.49 | 34.73 | 27.54   | 00.168   | 1471.0  |      |     |       |     |     |      |    |
| 18.1     | ONS | T00229 | 04.51 | 34.77 | 27.57   |          | 1472.4  |      |     |       |     |     |      |    |

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REFID 31 2394 YEAR 1974 BOTOP 00320 AIR TEMP -00.0 DIR PGT PER WIND-DIR 27 INST NANSEN CAST TEN SQ 1306  
 CONSEC 0006 MONTH 03 SHIP E1 WET BULB -02.0 27 2 3 WIND-SPD 18 TRACE DIR 5 SQUARE 4  
 LAT 47 00 N DAY 31 DATA USE 1 BAROMETR 1020.0 SEA WIND-FOR DURATION 2 SQUARE 64  
 LONG 045 50 W HOUR 19.2 AREA 00 CLOUD T/A 6/6 CL/TS WEATHER X1 ORIG A2 00006 1 SQUARE 76

| CASHTIME | LVL | DEPTH  | TEMP   | SAL   | SIGMA-T | DYNDEPTH | SND VEL | QXY6 | PO4 | TCT P | NO2 | NO3 | SIO3 | PH |
|----------|-----|--------|--------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 19.2     | STD | 00000  | - 0.48 | 33.45 | 26.01   | 00.000   | 1444.0  |      |     |       |     |     |      |    |
|          | ONS | 00000  | - 0.48 | 33.45 | 26.01   |          | 1444.0  |      |     |       |     |     |      |    |
|          | STD | 00010  | - 0.57 | 33.49 | 26.04   | 00.011   | 1444.7  |      |     |       |     |     |      |    |
|          | STD | 00020  | - 0.35 | 33.54 | 26.07   | 00.023   | 1445.0  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00024  | - 0.30 | 33.54 | 26.06   |          | 1446.3  |      |     |       |     |     |      |    |
|          | STD | 00030  | - 0.18 | 33.59 | 27.00   | 00.033   | 1447.2  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00045  | 00.45  | 33.72 | 27.07   |          | 1450.0  |      |     |       |     |     |      |    |
|          | STD | 00050  | 00.50  | 33.73 | 27.07   | 00.054   | 1450.0  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00074  | 01.07  | 33.93 | 27.16   |          | 1456.0  |      |     |       |     |     |      |    |
|          | STD | 00075  | 01.07  | 33.93 | 27.16   | 00.070   | 1456.0  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00088  | 01.09  | 34.00 | 27.20   |          | 1459.0  |      |     |       |     |     |      |    |
|          | STD | 00100  | 01.50  | 34.02 | 27.21   | 00.100   | 1459.0  |      |     |       |     |     |      |    |
|          | STD | 00125  | 02.09  | 34.22 | 27.29   | 00.121   | 1463.0  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00140  | 02.66  | 34.38 | 27.36   |          | 1467.1  |      |     |       |     |     |      |    |
|          | STD | 00150  | 03.72  | 34.61 | 27.50   | 00.140   | 1467.4  |      |     |       |     |     |      |    |
|          | STD | 00200  | 04.44  | 34.69 | 27.62   | 00.174   | 1471.4  |      |     |       |     |     |      |    |
| 19.2     | ONS | 00202  | 04.46  | 34.70 | 27.62   |          | 1471.7  |      |     |       |     |     |      |    |
|          | STD | 00250  | 04.34  | 34.80 | 27.61   | 00.202   | 1472.2  |      |     |       |     |     |      |    |
| 19.2     | ONS | T00281 | 04.38  | 34.80 | 27.61   |          | 1472.2  |      |     |       |     |     |      |    |

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TABLE II. CGC CHASE, March 1974--(Continued)

|               |           |             |                 |             |             |                   |             |
|---------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 2396 | YEAR 1974 | BOTDP 00203 | AIR TEMP -02.0  | DIR PCT PER | WIND-DIR 21 | INST NANSSEN CAST | TEN 50 1306 |
| CONSEC 0000   | MONTH 04  | SHIP E1     | WET BULB -03.5  | 21 1 2      | WIND-SPD 10 | TRACE DIR         | 5 SQUARE 4  |
| LAT 47 37 N   | DAY 01    | DATA USE 1  | BAROMETR 1027.0 | SEA         | WIND-PGR    | DURATION          | 2 SQUARE 64 |
| LONG 045 20 W | HOUR 00.3 | AREA 08     | CLCUD T/A 0/0   | CL/TR       | WEATHER X2  | ORIG AS 00000     | 1 SQUARE 70 |

| CASNUM/TIME | LVLTYP | DEPTH  | TEMP  | SAL    | SIGMA-T | DYNDEPTH | SND VEL | CHYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|--------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
|             | STD    | 00000  | 00.07 | 33.70  | 27.08   | CC.000   | 1447.8  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00000  | 00.07 | 33.70  | 27.08   |          | 1447.8  |      |     |       |     |     |      |    |
|             | STD    | 00010  | 00.22 | 33.71  | 27.08   | CO.010   | 1448.7  |      |     |       |     |     |      |    |
|             | STD    | 00020  | 00.38 | 33.72  | 27.08   | CO.020   | 1449.6  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00030  | 00.45 | 33.73  | 27.08   |          | 1450.0  |      |     |       |     |     |      |    |
|             | STD    | 00030  | 00.50 | 33.74  | 27.08   | CO.030   | 1450.6  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00040  | 00.53 | 33.79  | 27.10   |          | 1452.6  |      |     |       |     |     |      |    |
|             | STD    | 00050  | 01.00 | 33.80  | 27.11   | CO.040   | 1453.0  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00073  | 01.22 | 33.93  | 27.17   |          | 1459.5  |      |     |       |     |     |      |    |
|             | STD    | 00075  | 01.34 | 33.94  | 27.18   | CO.073   | 1459.0  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00097  | 01.43 | 34.038 | 27.28   |          | 1456.9  |      |     |       |     |     |      |    |
|             | STD    | 00100  | 01.58 | 34.04  | 27.29   | CO.094   | 1456.7  |      |     |       |     |     |      |    |
|             | STD    | 00125  | 01.10 | 34.06  | 27.31   | CO.114   | 1458.4  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00146  | 00.84 | 34.107 | 27.36   |          | 1454.3  |      |     |       |     |     |      |    |
|             | STD    | 00150  | 01.10 | 34.15  | 27.38   | CO.133   | 1455.6  |      |     |       |     |     |      |    |
| 00.3        | OBS    | 00199  | 03.43 | 34.575 | 27.83   |          | 1467.2  |      |     |       |     |     |      |    |
|             | STD    | 00200  | 03.44 | 34.59  | 27.83   | CO.160   | 1467.2  |      |     |       |     |     |      |    |
|             | STD    | 00250  | 03.94 | 34.79  | 27.86   | CO.191   | 1470.4  |      |     |       |     |     |      |    |
| 00.3        | OBS    | T00272 | 04.10 | 34.814 | 27.84   |          | 1471.8  |      |     |       |     |     |      |    |

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|               |           |             |                 |             |             |                   |             |
|---------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 2396 | YEAR 1974 | BOTDP 00430 | AIR TEMP -02.0  | DIR PCT PER | WIND-DIR 17 | INST NANSSEN CAST | TEN 50 1306 |
| CONSEC 0007   | MONTH 04  | SHIP E1     | WET BULB -03.2  | 17 1 2      | WIND-SPD 00 | TRACE DIR         | 5 SQUARE 4  |
| LAT 48 00 N   | DAY 01    | DATA USE 1  | BAROMETR 1025.2 | SEA         | WIND-PGR    | DURATION          | 2 SQUARE 64 |
| LONG 045 00 W | HOUR 02.4 | AREA 08     | CLCUD T/A 0/3   | CL/TR       | WEATHER X1  | ORIG AS 00007     | 1 SQUARE 85 |

| CASNUM/TIME | LVLTYP | DEPTH  | TEMP   | SAL    | SIGMA-T | DYNDEPTH | SND VEL | CHYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|--------|--------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
|             | STD    | 00000  | - 0.34 | 33.52  | 26.95   | CO.000   | 1448.6  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00000  | - 0.34 | 33.525 | 26.95   |          | 1448.6  |      |     |       |     |     |      |    |
|             | STD    | 00010  | - 0.50 | 33.57  | 27.00   | CO.011   | 1444.0  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00015  | - 0.66 | 33.527 | 27.02   |          | 1444.8  |      |     |       |     |     |      |    |
|             | STD    | 00020  | - 0.65 | 33.50  | 27.02   | CO.021   | 1444.7  |      |     |       |     |     |      |    |
|             | STD    | 00030  | - 0.62 | 33.60  | 27.03   | CO.032   | 1445.0  |      |     |       |     |     |      |    |
|             | STD    | 00050  | - 0.52 | 33.64  | 27.05   | CO.052   | 1445.8  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00050  | - 0.52 | 33.638 | 27.05   |          | 1445.8  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00055  | - 0.40 | 33.685 | 27.09   |          | 1446.7  |      |     |       |     |     |      |    |
|             | STD    | 00075  | 00.60  | 33.80  | 27.18   | CO.076   | 1452.1  |      |     |       |     |     |      |    |
|             | STD    | 00100  | 02.54  | 34.24  | 27.34   | CO.097   | 1461.3  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00100  | 02.54  | 34.230 | 27.34   |          | 1461.3  |      |     |       |     |     |      |    |
|             | STD    | 00125  | 02.64  | 34.35  | 27.42   | CO.115   | 1462.2  |      |     |       |     |     |      |    |
|             | STD    | 00150  | 02.73  | 34.47  | 27.51   | CO.131   | 1463.2  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00150  | 02.73  | 34.467 | 27.51   |          | 1463.2  |      |     |       |     |     |      |    |
|             | STD    | 00200  | 03.52  | 34.72  | 27.60   | CO.159   | 1469.4  |      |     |       |     |     |      |    |
| 03.4        | OBS    | T00205 | 04.00  | 34.741 | 27.60   |          | 1469.9  |      |     |       |     |     |      |    |
|             | STD    | 00250  | 04.12  | 34.81  | 27.64   | CO.184   | 1471.2  |      |     |       |     |     |      |    |
|             | STD    | 00300  | 04.18  | 34.85  | 27.68   | CO.207   | 1472.4  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00305  | 04.18  | 34.861 | 27.68   |          | 1472.4  |      |     |       |     |     |      |    |
| 03.4        | OBS    | 00325  | 04.07  | 34.860 | 27.70   |          | 1473.3  |      |     |       |     |     |      |    |

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|               |           |             |                 |             |             |                   |             |
|---------------|-----------|-------------|-----------------|-------------|-------------|-------------------|-------------|
| REFID 31 2396 | YEAR 1974 | BOTDP 00601 | AIR TEMP 00.0   | DIR PCT PER | WIND-DIR 17 | INST NANSSEN CAST | TEN 50 1306 |
| CONSEC 0008   | MONTH 04  | SHIP E1     | WET BULB -00.6  | 17 1 2      | WIND-SPD 16 | TRACE DIR         | 5 SQUARE 4  |
| LAT 48 28 N   | DAY 01    | DATA USE 1  | BAROMETR 1022.3 | SEA         | WIND-PGR    | DURATION          | 2 SQUARE 64 |
| LONG 045 04 W | HOUR 07.6 | AREA 08     | CLCUD T/A 0/3   | CL/TR       | WEATHER X1  | ORIG AS 00000     | 1 SQUARE 85 |

| CASNUM/TIME | LVLTYP | DEPTH  | TEMP  | SAL   | SIGMA-T | DYNDEPTH | SND VEL | CHYG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|-------------|--------|--------|-------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
|             | STD    | 00000  | 01.83 | 34.45 | 27.57   | CC.000   | 1450.6  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00000  | 01.83 | 34.45 | 27.57   |          | 1450.6  |      |     |       |     |     |      |    |
|             | STD    | 00010  | 01.83 | 34.45 | 27.57   | CO.008   | 1457.0  |      |     |       |     |     |      |    |
|             | STD    | 00020  | 01.84 | 34.45 | 27.57   | CO.011   | 1457.1  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00030  | 01.84 | 34.45 | 27.57   |          | 1457.1  |      |     |       |     |     |      |    |
|             | STD    | 00030  | 01.88 | 34.46 | 27.57   | CC.016   | 1457.5  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00042  | 01.52 | 34.46 | 27.57   |          | 1457.9  |      |     |       |     |     |      |    |
|             | STD    | 00050  | 01.53 | 34.46 | 27.57   | CO.027   | 1458.0  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00066  | 01.54 | 34.46 | 27.57   |          | 1458.3  |      |     |       |     |     |      |    |
|             | STD    | 00075  | 01.55 | 34.46 | 27.57   | CO.040   | 1458.5  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00090  | 01.56 | 34.46 | 27.56   |          | 1458.8  |      |     |       |     |     |      |    |
|             | STD    | 00100  | 01.50 | 34.46 | 27.56   | CO.052   | 1459.0  |      |     |       |     |     |      |    |
|             | STD    | 00125  | 01.55 | 34.46 | 27.56   | CO.067   | 1459.4  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00132  | 01.55 | 34.46 | 27.57   |          | 1459.5  |      |     |       |     |     |      |    |
|             | STD    | 00150  | 01.57 | 34.46 | 27.57   | CO.080   | 1459.9  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00175  | 01.59 | 34.47 | 27.57   |          | 1460.4  |      |     |       |     |     |      |    |
|             | STD    | 00200  | 02.07 | 34.62 | 27.62   | CO.104   | 1464.0  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00247  | 03.50 | 34.81 | 27.67   |          | 1470.2  |      |     |       |     |     |      |    |
|             | STD    | 00250  | 03.51 | 34.81 | 27.67   | CC.136   | 1470.3  |      |     |       |     |     |      |    |
|             | STD    | 00300  | 03.99 | 34.85 | 27.69   | CO.152   | 1471.6  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00313  | 04.00 | 34.86 | 27.70   |          | 1471.8  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00360  | 03.59 | 34.80 | 27.71   |          | 1472.9  |      |     |       |     |     |      |    |
|             | STD    | 00400  | 03.54 | 34.88 | 27.71   | CO.196   | 1473.0  |      |     |       |     |     |      |    |
| 07.6        | OBS    | 00440  | 03.86 | 34.87 | 27.72   |          | 1473.3  |      |     |       |     |     |      |    |
|             | STD    | 00500  | 03.81 | 34.88 | 27.73   | CO.238   | 1476.2  |      |     |       |     |     |      |    |
| 07.6        | OBS    | T00555 | 03.78 | 34.88 | 27.74   |          | 1476.8  |      |     |       |     |     |      |    |
|             | STD    | 00600  | 03.69 | 34.88 | 27.74   | CO.280   | 1478.3  |      |     |       |     |     |      |    |
| 07.6        | OBS    | T00610 | 03.67 | 34.88 | 27.75   |          | 1478.6  |      |     |       |     |     |      |    |

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TABLE II. CGC CHASE, March 1974--(Continued)

|               |           |             |                  |             |             |                  |             |
|---------------|-----------|-------------|------------------|-------------|-------------|------------------|-------------|
| REFID 31 2306 | YEAR 1974 | BOYCP 01271 | AIR TEMP 01.0    | DIR PCT PER | WIND-DIR 14 | INST HANSEN CAST | VEN 00 1306 |
| CONSEC 0000   | MONTH 04  | SHIP E1     | WET SALS 00.0    | 14 3 3      | WIND-SPD 19 | TRACE 00A        | 0 SQUARE 0  |
| LAT 40 45 N   | DAY 01    | DATA USE 1  | BAROMETER 1010.0 | SEA         | WIND-FOR    | DURATION         | 2 SQUARE 04 |
| LONG 045 02 W | HOUR 10.0 | AREA 08     | CLOUD T/A 3/8    | CL/TE       | WEATHER X2  | ORIG A2 00000    | 1 SQUARE 08 |

| CASNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL   | SIGMA-T | SYNDEPTH | SND VEL | QXVC | PO4 | TGT P | NO2 | NC3 | SIG3 | PH |
|-------------|---------|-------|-------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
|             | STD     | 00000 | 00.75 | 34.06 | 27.33   | CC-000   | 1401.4  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00000 | 00.75 | 34.06 | 27.33   |          | 1401.4  |      |     |       |     |     |      |    |
|             | STD     | 00010 | 00.76 | 34.08 | 27.34   | CC-000   | 1401.7  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00013 | 00.79 | 34.08 | 27.34   |          | 1401.0  |      |     |       |     |     |      |    |
|             | STD     | 00020 | 00.83 | 34.08 | 27.34   | CC-010   | 1402.1  |      |     |       |     |     |      |    |
|             | STD     | 00030 | 00.74 | 34.11 | 27.35   | CC-022   | 1402.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00030 | 00.54 | 34.11 | 27.35   |          | 1402.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00043 | 01.18 | 34.20 | 27.41   |          | 1404.1  |      |     |       |     |     |      |    |
|             | STD     | 00050 | 01.00 | 34.30 | 27.47   | CC-036   | 1405.5  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00060 | 01.00 | 34.40 | 27.52   |          | 1407.0  |      |     |       |     |     |      |    |
|             | STD     | 00075 | 02.05 | 34.45 | 27.56   | CC-051   | 1409.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00090 | 02.21 | 34.49 | 27.57   |          | 1409.0  |      |     |       |     |     |      |    |
|             | STD     | 00100 | 02.30 | 34.51 | 27.58   | CC-064   | 1400.0  |      |     |       |     |     |      |    |
|             | STD     | 00120 | 02.00 | 34.54 | 27.60   | CC-077   | 1401.5  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00125 | 02.50 | 34.56 | 27.60   |          | 1401.5  |      |     |       |     |     |      |    |
|             | STD     | 00150 | 02.56 | 34.60 | 27.63   | CC-089   | 1402.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00190 | 02.70 | 34.66 | 27.66   |          | 1404.3  |      |     |       |     |     |      |    |
|             | STD     | 00200 | 02.52 | 34.68 | 27.66   | CC-113   | 1405.1  |      |     |       |     |     |      |    |
|             | STD     | 00250 | 03.40 | 34.76 | 27.67   | CC-134   | 1405.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00255 | 03.50 | 34.77 | 27.68   |          | 1405.0  |      |     |       |     |     |      |    |
|             | STD     | 00300 | 03.48 | 34.81 | 27.69   | CC-150   | 1407.2  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00321 | 03.75 | 34.83 | 27.70   |          | 1409.5  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00346 | 03.54 | 34.87 | 27.71   |          | 1402.0  |      |     |       |     |     |      |    |
|             | STD     | 00400 | 03.94 | 34.87 | 27.71   | CC-201   | 1403.0  |      |     |       |     |     |      |    |
|             | STD     | 00500 | 03.09 | 34.89 | 27.73   | CC-244   | 1404.5  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00520 | 03.08 | 34.88 | 27.73   |          | 1404.0  |      |     |       |     |     |      |    |
|             | STD     | 00600 | 03.01 | 34.89 | 27.74   | CC-266   | 1405.0  |      |     |       |     |     |      |    |
| 10.0        | CBS     | 00657 | 03.44 | 34.88 | 27.75   |          | 1406.0  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974

REFID 31 8407 YEAR 1974 SCTDP 08218 AIR TEMP 19.4 DIR 1-CT PEA WIND-DIR 24 INST STD RECORDER TEN 00 1207  
 CONSEC 0001 MONTH 10 SHIP IN SET SLAS 17.8 20 1 3 WIND-SPD 08 TRACE DIR 0 8 SQUARE 3  
 LAT 39 58 N DAY 13 DATA USE 1 SARGHETR 0990.2 SEA WIND-FOR DURATION 00.0 2 SQUARE 00  
 LONG 090 30 W HOUR 19:9 AREA 08 CLCD T/A CL/TX WEATHER X1 DRIG 24 83001 1 SQUARE 00

| CASSTNUM/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTH | SAD VEL | GRV6 | PO4 | TOT P | NO2 | NO3 | SIG3 | PH |
|---------------|--------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 19.9          | STD    | 00000 | 23.01 | 35.83  | 24.88   | 00.000  | 1530.9  |      |     |       |     |     |      |    |
|               | OBS    | 00000 | 23.01 | 35.83  | 24.88   |         | 1530.9  |      |     |       |     |     |      |    |
|               | STD    | 00010 | 22.99 | 35.83  | 24.89   | 00.034  | 1531.1  |      |     |       |     |     |      |    |
|               | OBS    | 00010 | 22.99 | 35.83  | 24.89   |         | 1531.1  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 22.99 | 35.83  | 24.89   | 00.067  | 1531.2  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 22.99 | 35.83  | 24.89   |         | 1531.2  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 22.99 | 35.83  | 24.89   | 00.101  | 1531.4  |      |     |       |     |     |      |    |
|               | OBS    | 00030 | 22.99 | 35.83  | 24.89   |         | 1531.4  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 21.02 | 36.50  | 25.05   | 00.152  | 1527.4  |      |     |       |     |     |      |    |
|               | OBS    | 00050 | 21.02 | 36.50  | 25.05   |         | 1527.4  |      |     |       |     |     |      |    |
|               | STD    | 00075 | 19.74 | 36.48  | 25.57   | 00.214  | 1524.4  |      |     |       |     |     |      |    |
|               | OBS    | 00075 | 19.74 | 36.48  | 25.57   |         | 1524.4  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 18.70 | 36.48  | 26.22   | 00.263  | 1521.9  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 18.70 | 36.48  | 26.22   |         | 1521.9  |      |     |       |     |     |      |    |
|               | STD    | 00125 | 18.32 | 36.44  | 26.31   | 00.302  | 1521.2  |      |     |       |     |     |      |    |
|               | OBS    | 00125 | 18.32 | 36.44  | 26.31   |         | 1521.2  |      |     |       |     |     |      |    |
|               | STD    | 00150 | 17.80 | 36.38  | 26.40   | 00.351  | 1520.6  |      |     |       |     |     |      |    |
|               | OBS    | 00150 | 17.80 | 36.38  | 26.40   |         | 1520.6  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 17.41 | 36.39  | 26.50   | 00.434  | 1519.7  |      |     |       |     |     |      |    |
|               | OBS    | 00200 | 17.41 | 36.39  | 26.50   |         | 1519.7  |      |     |       |     |     |      |    |
|               | STD    | 00211 | 17.44 | 36.41  | 26.51   |         | 1520.0  |      |     |       |     |     |      |    |
|               | OBS    | 00211 | 17.44 | 36.41  | 26.51   |         | 1520.0  |      |     |       |     |     |      |    |
|               | STD    | 00250 | 16.74 | 36.31  | 26.59   | 00.512  | 1518.5  |      |     |       |     |     |      |    |
|               | OBS    | 00250 | 16.74 | 36.31  | 26.59   |         | 1518.5  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 15.55 | 36.16  | 26.66   | 00.588  | 1516.8  |      |     |       |     |     |      |    |
|               | OBS    | 00300 | 15.55 | 36.16  | 26.66   |         | 1516.8  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 14.09 | 35.84  | 26.83   | 00.725  | 1512.1  |      |     |       |     |     |      |    |
|               | OBS    | 00400 | 14.09 | 35.84  | 26.83   |         | 1512.1  |      |     |       |     |     |      |    |
|               | STD    | 00430 | 13.79 | 35.79  | 26.86   |         | 1511.5  |      |     |       |     |     |      |    |
|               | OBS    | 00430 | 13.79 | 35.79  | 26.86   |         | 1511.5  |      |     |       |     |     |      |    |
|               | STD    | 00449 | 13.62 | 35.82  | 26.88   |         | 1512.0  |      |     |       |     |     |      |    |
|               | OBS    | 00449 | 13.62 | 35.82  | 26.88   |         | 1512.0  |      |     |       |     |     |      |    |
|               | STD    | 00479 | 12.91 | 35.66  | 26.96   |         | 1509.3  |      |     |       |     |     |      |    |
|               | OBS    | 00479 | 12.91 | 35.66  | 26.96   |         | 1509.3  |      |     |       |     |     |      |    |
|               | STD    | 00506 | 12.58 | 35.64  | 26.99   | 00.857  | 1508.5  |      |     |       |     |     |      |    |
|               | OBS    | 00506 | 12.58 | 35.64  | 26.99   |         | 1508.5  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 10.20 | 35.28  | 27.15   | 00.970  | 1501.3  |      |     |       |     |     |      |    |
|               | OBS    | 00600 | 10.20 | 35.28  | 27.15   |         | 1501.3  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 08.26 | 35.13  | 27.36   | 01.046  | 1495.6  |      |     |       |     |     |      |    |
|               | OBS    | 00700 | 08.26 | 35.13  | 27.36   |         | 1495.6  |      |     |       |     |     |      |    |
|               | STD    | 00749 | 07.61 | 35.10  | 27.43   |         | 1493.5  |      |     |       |     |     |      |    |
|               | OBS    | 00749 | 07.61 | 35.10  | 27.43   |         | 1493.5  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 06.62 | 35.04  | 27.53   | 01.143  | 1490.8  |      |     |       |     |     |      |    |
|               | OBS    | 00800 | 06.62 | 35.04  | 27.53   |         | 1490.8  |      |     |       |     |     |      |    |
|               | STD    | 00854 | 05.67 | 35.05  | 27.62   |         | 1489.3  |      |     |       |     |     |      |    |
|               | OBS    | 00854 | 05.67 | 35.05  | 27.62   |         | 1489.3  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 05.68 | 35.05  | 27.64   | 01.204  | 1488.7  |      |     |       |     |     |      |    |
|               | OBS    | 00900 | 05.68 | 35.05  | 27.64   |         | 1488.7  |      |     |       |     |     |      |    |
|               | STD    | 00924 | 05.43 | 35.023 | 27.66   |         | 1488.1  |      |     |       |     |     |      |    |
|               | OBS    | 00924 | 05.43 | 35.023 | 27.66   |         | 1488.1  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 05.14 | 35.02  | 27.70   | 01.261  | 1488.1  |      |     |       |     |     |      |    |
|               | OBS    | 01000 | 05.14 | 35.02  | 27.70   |         | 1488.1  |      |     |       |     |     |      |    |
|               | STD    | 01052 | 04.40 | 34.913 | 27.70   |         | 1485.8  |      |     |       |     |     |      |    |
|               | OBS    | 01052 | 04.40 | 34.913 | 27.70   |         | 1485.8  |      |     |       |     |     |      |    |
|               | STD    | 01100 | 04.61 | 35.02  | 27.73   | 01.312  | 1488.5  |      |     |       |     |     |      |    |
|               | OBS    | 01100 | 04.61 | 35.02  | 27.73   |         | 1488.5  |      |     |       |     |     |      |    |
|               | STD    | 01200 | 04.56 | 35.00  | 27.75   | 01.361  | 1489.1  |      |     |       |     |     |      |    |
|               | OBS    | 01200 | 04.56 | 35.00  | 27.75   |         | 1489.1  |      |     |       |     |     |      |    |
|               | STD    | 01240 | 04.46 | 34.980 | 27.75   |         | 1489.3  |      |     |       |     |     |      |    |
|               | OBS    | 01240 | 04.46 | 34.980 | 27.75   |         | 1489.3  |      |     |       |     |     |      |    |
|               | STD    | 01283 | 04.45 | 35.010 | 27.77   |         | 1490.0  |      |     |       |     |     |      |    |
|               | OBS    | 01283 | 04.45 | 35.010 | 27.77   |         | 1490.0  |      |     |       |     |     |      |    |
|               | STD    | 01300 | 04.43 | 35.00  | 27.76   | 01.410  | 1490.2  |      |     |       |     |     |      |    |
|               | OBS    | 01300 | 04.43 | 35.00  | 27.76   |         | 1490.2  |      |     |       |     |     |      |    |
|               | STD    | 01342 | 04.24 | 34.980 | 27.77   |         | 1490.1  |      |     |       |     |     |      |    |
|               | OBS    | 01342 | 04.24 | 34.980 | 27.77   |         | 1490.1  |      |     |       |     |     |      |    |
|               | STD    | 01400 | 04.28 | 35.00  | 27.78   | 01.457  | 1491.3  |      |     |       |     |     |      |    |
|               | OBS    | 01400 | 04.28 | 35.00  | 27.78   |         | 1491.3  |      |     |       |     |     |      |    |
|               | STD    | 01403 | 04.12 | 34.990 | 27.79   |         | 1492.0  |      |     |       |     |     |      |    |
|               | OBS    | 01403 | 04.12 | 34.990 | 27.79   |         | 1492.0  |      |     |       |     |     |      |    |
|               | STD    | 01500 | 04.01 | 34.97  | 27.78   | 01.504  | 1491.8  |      |     |       |     |     |      |    |
|               | OBS    | 01500 | 04.01 | 34.97  | 27.78   |         | 1491.8  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

| REF ID      | 31       | 0407  | YEAR  | 1974   | NOTES   | 03077   | ALT TEMP | 20.1   | DIR   | 1-67  | PER | WIND-DIR | 19   | INST     | STD  | RECORDED | TEN    | 50     | 1307 |
|-------------|----------|-------|-------|--------|---------|---------|----------|--------|-------|-------|-----|----------|------|----------|------|----------|--------|--------|------|
| CONSEC      | 0002     | MONTH | 10    | SHIP   | IN      | NET     | 0446     | 17.3   | 19    | 0     | 2   | WIND-SPD | 14   | TRACE    | CM   | 0        | 5      | SQUARE | 1    |
| LAT         | 40 54 N  | DAY   | 14    | CATA   | USE     | 1       | BAROMETR | 1023.7 | SEA   |       |     | WIND-FOR |      | DURATION | 00.7 | 2        | SQUARE | 00     |      |
| LONG        | 050 30 W | HOUR  | 01.2  | AREA   | 62      | CLCLO   | T/A      |        | CL/TE |       |     | WEATHER  | X1   | CRIC     | A4   | 03002    | 1      | SQUARE | 00   |
| CASSTN/TIME | LVLTP    | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOSTY | END VEL  | QNTG   | PO4   | TGT P | AGE | NG3      | SAG3 | PH       |      |          |        |        |      |
| 02.2        | STD      | 00000 | 22.11 | 35.66  | 24.71   | 00.000  | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00000 | 22.11 | 35.66  | 24.71   |         | 1022.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00010 | 22.11 | 35.67  | 24.71   | 00.032  | 1020.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00010 | 22.11 | 35.67  | 24.71   |         | 1020.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00020 | 22.11 | 35.67  | 24.71   | 00.063  | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00020 | 22.11 | 35.67  | 24.71   |         | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00030 | 22.44 | 35.62  | 24.74   | 00.057  | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00030 | 22.44 | 35.62  | 24.74   |         | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00050 | 15.40 | 36.27  | 25.91   | 00.151  | 1022.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00050 | 19.40 | 36.27  | 25.91   |         | 1022.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00070 | 18.66 | 36.34  | 26.17   | 00.201  | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00070 | 18.66 | 36.34  | 26.17   |         | 1020.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00100 | 17.91 | 36.30  | 26.37   | 00.246  | 1019.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00100 | 17.91 | 36.30  | 26.37   |         | 1019.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00120 | 16.75 | 36.14  | 26.47   | 00.287  | 1014.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00120 | 16.75 | 36.14  | 26.47   |         | 1014.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00140 | 16.22 | 36.05  | 26.50   | 00.326  | 1015.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00140 | 16.22 | 36.00  | 26.50   |         | 1015.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00200 | 14.61 | 35.80  | 26.72   | 00.400  | 1011.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00200 | 14.61 | 35.80  | 26.72   |         | 1011.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00250 | 14.93 | 35.91  | 26.71   |         | 1011.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00250 | 14.93 | 35.91  | 26.71   |         | 1011.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00300 | 14.66 | 35.78  | 26.77   | 00.440  | 1009.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00300 | 14.66 | 35.78  | 26.77   |         | 1009.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00350 | 14.12 | 35.60  | 26.80   |         | 1009.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00350 | 13.70 | 35.71  | 26.82   |         | 1009.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00400 | 13.42 | 35.77  | 26.84   |         | 1009.1   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00400 | 13.42 | 35.77  | 26.84   |         | 1009.1   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00450 | 13.40 | 35.78  | 26.87   | 00.435  | 1009.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00450 | 13.40 | 35.78  | 26.87   |         | 1009.7   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00500 | 11.40 | 35.43  | 27.05   | 00.454  | 1002.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00500 | 11.40 | 35.43  | 27.05   |         | 1002.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00550 | 09.06 | 35.16  | 27.25   | 00.756  | 1495.3   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00550 | 09.06 | 35.16  | 27.25   |         | 1495.3   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00600 | 07.23 | 35.06  | 27.45   | 00.836  | 1499.6   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00600 | 07.23 | 35.06  | 27.45   |         | 1499.6   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00700 | 06.34 | 35.06  | 27.55   | 00.908  | 1494.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00700 | 06.34 | 35.06  | 27.55   |         | 1494.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00800 | 05.42 | 35.02  | 27.66   | 00.966  | 1486.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00800 | 05.42 | 35.02  | 27.66   |         | 1486.0   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00900 | 05.11 | 35.033 | 27.71   | 01.010  | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00900 | 05.11 | 35.033 | 27.71   |         | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 00950 | 04.52 | 35.030 | 27.73   |         | 1486.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 00950 | 04.52 | 35.030 | 27.73   |         | 1486.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01000 | 04.57 | 35.044 | 27.73   |         | 1486.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01000 | 04.57 | 35.044 | 27.73   |         | 1486.5   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01050 | 04.51 | 35.02  | 27.73   | 01.052  | 1487.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01050 | 04.51 | 35.02  | 27.73   |         | 1487.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01100 | 04.40 | 35.022 | 27.74   |         | 1486.9   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01100 | 04.40 | 35.022 | 27.74   |         | 1486.9   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01150 | 04.54 | 35.01  | 27.76   | 01.117  | 1487.3   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01150 | 04.54 | 35.01  | 27.76   |         | 1487.3   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01200 | 04.35 | 35.00  | 27.77   | 01.163  | 1486.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01200 | 04.35 | 35.00  | 27.77   |         | 1486.2   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01250 | 04.26 | 34.982 | 27.77   |         | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01250 | 04.26 | 34.982 | 27.77   |         | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01300 | 04.12 | 34.954 | 27.76   |         | 1486.1   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01300 | 04.12 | 34.954 | 27.76   |         | 1486.1   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01350 | 04.01 | 34.930 | 27.77   | 01.205  | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01350 | 04.01 | 34.930 | 27.77   |         | 1486.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01400 | 03.44 | 34.94  | 27.78   | 01.255  | 1489.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01400 | 03.44 | 34.94  | 27.78   |         | 1489.4   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | STD      | 01500 | 03.02 | 34.94  | 27.78   | 01.302  | 1489.9   |        |       |       |     |          |      |          |      |          |        |        |      |
|             | GBS      | 01500 | 03.02 | 34.94  | 27.78   |         | 1489.9   |        |       |       |     |          |      |          |      |          |        |        |      |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

|               |           |             |                  |             |             |                   |             |
|---------------|-----------|-------------|------------------|-------------|-------------|-------------------|-------------|
| REFID 31 0407 | YEAR 1974 | OSTOP 03004 | AIR TEMP 10.9    | DER PCT PER | WIND-DIR 22 | INST STD RECORDER | VEN 00 1307 |
| CONSEC 0003   | MONTH 10  | SHIP IN     | WET DALS 17.0    | 30 1 3      | WIND-SPD 10 | TRACE DIR         | 0 SQUARE 1  |
| LAT 41 20 N   | SW 14     | DATA USE 1  | BAROMETER 1024.0 | SEA         | WIND-PCR    | SURATICA 00.0     | 2 SQUARE 00 |
| LONG 080 20 E | MOON 07.0 | AREA 00     | CLCUD T/A        | CL/TA       | WEATHER N1  | ORIG A4 03003     | 1 SQUARE 10 |

| CAS/NUM/TIME | LVL/TYP | DEPTH | TEMP  | SAL    | SIGMA-T | SYNOPSIS | SND VEL | GRV6 | PO4 | TOT P | NO2 | NO3 | SIG3 | PH |
|--------------|---------|-------|-------|--------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 07.0         | STD     | 00000 | 20.34 | 30.20  | 24.04   | 00.000   | 1023.3  |      |     |       |     |     |      |    |
|              | OBS     | 00000 | 20.34 | 30.20  | 24.04   |          | 1023.3  |      |     |       |     |     |      |    |
|              | STD     | 00010 | 20.32 | 30.20  | 24.06   | 00.021   | 1023.4  |      |     |       |     |     |      |    |
|              | OBS     | 00010 | 20.32 | 30.20  | 24.06   |          | 1023.4  |      |     |       |     |     |      |    |
|              | STD     | 00020 | 20.20 | 30.10  | 24.07   | 00.062   | 1023.2  |      |     |       |     |     |      |    |
|              | OBS     | 00020 | 20.20 | 30.10  | 24.07   |          | 1023.2  |      |     |       |     |     |      |    |
|              | STD     | 00030 | 20.10 | 30.10  | 24.06   | 00.093   | 1023.2  |      |     |       |     |     |      |    |
|              | OBS     | 00030 | 20.10 | 30.10  | 24.06   |          | 1023.2  |      |     |       |     |     |      |    |
|              | STD     | 00040 | 10.07 | 30.02  | 26.04   | 00.144   | 1016.7  |      |     |       |     |     |      |    |
|              | OBS     | 00040 | 10.07 | 30.02  | 26.04   |          | 1016.7  |      |     |       |     |     |      |    |
|              | STD     | 00070 | 10.04 | 30.00  | 26.06   | 00.100   | 1012.3  |      |     |       |     |     |      |    |
|              | OBS     | 00070 | 10.04 | 30.00  | 26.06   |          | 1012.3  |      |     |       |     |     |      |    |
|              | STD     | 00100 | 10.20 | 30.01  | 26.03   | 00.022   | 1011.1  |      |     |       |     |     |      |    |
|              | OBS     | 00100 | 10.20 | 30.01  | 26.03   |          | 1011.1  |      |     |       |     |     |      |    |
|              | STD     | 00120 | 10.04 | 30.02  | 26.70   | 00.262   | 1005.4  |      |     |       |     |     |      |    |
|              | OBS     | 00120 | 10.04 | 30.02  | 26.70   |          | 1005.4  |      |     |       |     |     |      |    |
|              | STD     | 00150 | 10.07 | 30.73  | 26.70   | 00.207   | 1007.0  |      |     |       |     |     |      |    |
|              | OBS     | 00150 | 10.07 | 30.73  | 26.70   |          | 1007.0  |      |     |       |     |     |      |    |
|              | STD     | 00200 | 10.00 | 30.00  | 26.04   | 00.203   | 1006.3  |      |     |       |     |     |      |    |
|              | OBS     | 00200 | 10.00 | 30.00  | 26.04   |          | 1006.3  |      |     |       |     |     |      |    |
|              | STD     | 00250 | 10.01 | 30.04  | 26.03   | 00.425   | 1004.0  |      |     |       |     |     |      |    |
|              | OBS     | 00250 | 10.01 | 30.04  | 26.03   |          | 1004.0  |      |     |       |     |     |      |    |
|              | STD     | 00300 | 11.11 | 30.30  | 27.07   | 00.402   | 1009.0  |      |     |       |     |     |      |    |
|              | OBS     | 00300 | 11.11 | 30.30  | 27.07   |          | 1009.0  |      |     |       |     |     |      |    |
|              | STD     | 00400 | 09.10 | 30.17  | 27.24   | 00.001   | 1004.2  |      |     |       |     |     |      |    |
|              | OBS     | 00400 | 09.10 | 30.17  | 27.24   |          | 1004.2  |      |     |       |     |     |      |    |
|              | STD     | 00500 | 07.02 | 30.07  | 27.02   | 00.065   | 1000.4  |      |     |       |     |     |      |    |
|              | OBS     | 00500 | 07.02 | 30.07  | 27.02   |          | 1000.4  |      |     |       |     |     |      |    |
|              | STD     | 00600 | 06.10 | 30.02  | 27.30   | 00.733   | 1005.4  |      |     |       |     |     |      |    |
|              | OBS     | 00600 | 06.10 | 30.02  | 27.30   |          | 1005.4  |      |     |       |     |     |      |    |
|              | STD     | 00700 | 05.00 | 30.02  | 27.00   | 00.701   | 1004.0  |      |     |       |     |     |      |    |
|              | OBS     | 00700 | 05.00 | 30.02  | 27.00   |          | 1004.0  |      |     |       |     |     |      |    |
|              | STD     | 00800 | 05.00 | 30.02  | 27.71   | 00.642   | 1004.4  |      |     |       |     |     |      |    |
|              | OBS     | 00800 | 05.00 | 30.020 | 27.71   |          | 1004.4  |      |     |       |     |     |      |    |
|              | STD     | 00900 | 04.70 | 30.01  | 27.73   | 00.092   | 1005.0  |      |     |       |     |     |      |    |
|              | OBS     | 00900 | 04.70 | 30.010 | 27.73   |          | 1005.0  |      |     |       |     |     |      |    |
|              | STD     | 01000 | 04.01 | 30.01  | 27.70   | 00.030   | 1000.0  |      |     |       |     |     |      |    |
|              | OBS     | 01000 | 04.01 | 30.010 | 27.70   |          | 1000.0  |      |     |       |     |     |      |    |
|              | STD     | 01100 | 04.00 | 30.00  | 27.70   | 00.000   | 1000.0  |      |     |       |     |     |      |    |
|              | OBS     | 01100 | 04.00 | 30.000 | 27.70   |          | 1000.0  |      |     |       |     |     |      |    |
|              | STD     | 01200 | 04.21 | 34.00  | 27.77   | 01.032   | 1000.0  |      |     |       |     |     |      |    |
|              | OBS     | 01200 | 04.21 | 34.000 | 27.77   |          | 1000.0  |      |     |       |     |     |      |    |
|              | STD     | 01300 | 04.10 | 34.00  | 27.70   | 01.070   | 1000.2  |      |     |       |     |     |      |    |
|              | OBS     | 01300 | 04.10 | 34.000 | 27.70   |          | 1000.2  |      |     |       |     |     |      |    |
|              | STD     | 01400 | 04.00 | 34.00  | 27.70   | 01.123   | 1000.0  |      |     |       |     |     |      |    |
|              | OBS     | 01400 | 04.00 | 34.000 | 27.70   |          | 1000.0  |      |     |       |     |     |      |    |
|              | STD     | 01500 | 03.00 | 34.00  | 27.00   | 01.100   | 1001.0  |      |     |       |     |     |      |    |
|              | OBS     | 01500 | 03.00 | 34.000 | 27.00   |          | 1001.0  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

REFID 31 0407 YEAR 1974 BOTOP 03002 AIR TEMP 16.0 DIR PGT PEA WIND-DIR 12 INST STD RECORDER VEN SO 1307  
 COMSEC 0004 MONTH 10 SHIP IN: WET BULB 13.9 SZ 2 3 WIND-SPD 10 TRACE SEA 0 S SQUARE 1  
 LAT 41 40 N DAY 14 DATA USE 1 BAROMETER 1026.0 SEA WIND-FOR DURATION 00.6 S SQUARE 00  
 LONG 090 20 W HOUR 11.4 AREA 00 CLOUD T/A CL/VX WEATHER X1 ORIS A4 03004 1 SQUARE 10

| CASSTN/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | SYNDFY | SND VEL | SKY6 | PO4 | TOT P | AGE | NC3 | SIQ3 | PH |
|-------------|-------|-------|-------|-------|---------|--------|---------|------|-----|-------|-----|-----|------|----|
| 11.4        | STD   | 00000 | 21.00 | 35.37 | 24.77   | 00.000 | 1525.5  |      |     |       |     |     |      |    |
|             | CSS   | 00000 | 21.00 | 35.37 | 24.77   |        | 1525.5  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 21.00 | 35.37 | 24.77   | 00.032 | 1525.6  |      |     |       |     |     |      |    |
|             | CSS   | 00010 | 21.00 | 35.37 | 24.77   |        | 1525.6  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 21.00 | 35.37 | 24.77   | 00.064 | 1525.6  |      |     |       |     |     |      |    |
|             | CSS   | 00020 | 21.00 | 35.37 | 24.77   |        | 1525.6  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 21.00 | 35.36 | 24.76   | 00.096 | 1525.6  |      |     |       |     |     |      |    |
|             | CSS   | 00030 | 21.00 | 35.36 | 24.76   |        | 1525.6  |      |     |       |     |     |      |    |
|             | STD   | 00040 | 17.21 | 36.14 | 24.86   | 00.148 | 1517.3  |      |     |       |     |     |      |    |
|             | CSS   | 00040 | 17.21 | 36.14 | 24.86   |        | 1517.3  |      |     |       |     |     |      |    |
|             | STD   | 00050 | 17.21 | 36.07 | 24.80   |        | 1516.4  |      |     |       |     |     |      |    |
|             | CSS   | 00050 | 17.21 | 36.07 | 24.80   |        | 1516.4  |      |     |       |     |     |      |    |
|             | STD   | 00075 | 17.21 | 36.25 | 24.84   | 00.168 | 1516.9  |      |     |       |     |     |      |    |
|             | CSS   | 00075 | 17.21 | 36.25 | 24.84   |        | 1516.9  |      |     |       |     |     |      |    |
|             | STD   | 00100 | 15.77 | 35.99 | 24.80   | 00.227 | 1512.7  |      |     |       |     |     |      |    |
|             | CSS   | 00100 | 15.77 | 35.99 | 24.80   |        | 1512.7  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 14.75 | 35.81 | 24.67   | 00.263 | 1509.4  |      |     |       |     |     |      |    |
|             | CSS   | 00125 | 14.75 | 35.81 | 24.67   |        | 1509.4  |      |     |       |     |     |      |    |
|             | STD   | 00150 | 14.91 | 35.92 | 24.72   |        | 1510.4  |      |     |       |     |     |      |    |
|             | CSS   | 00150 | 14.91 | 35.92 | 24.72   | 00.298 | 1509.8  |      |     |       |     |     |      |    |
|             | STD   | 00180 | 14.42 | 35.79 | 24.72   |        | 1509.0  |      |     |       |     |     |      |    |
|             | CSS   | 00180 | 14.42 | 35.79 | 24.72   | 00.364 | 1508.4  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 13.43 | 35.66 | 24.65   |        | 1506.4  |      |     |       |     |     |      |    |
|             | CSS   | 00200 | 13.43 | 35.66 | 24.65   | 00.425 | 1506.3  |      |     |       |     |     |      |    |
|             | STD   | 00250 | 12.87 | 35.60 | 24.66   |        | 1504.3  |      |     |       |     |     |      |    |
|             | CSS   | 00250 | 12.87 | 35.60 | 24.66   | 00.481 | 1503.6  |      |     |       |     |     |      |    |
|             | STD   | 00300 | 11.34 | 35.42 | 27.00   |        | 1500.0  |      |     |       |     |     |      |    |
|             | CSS   | 00300 | 11.34 | 35.42 | 27.00   | 00.501 | 1499.2  |      |     |       |     |     |      |    |
|             | STD   | 00400 | 09.10 | 35.10 | 27.26   |        | 1494.2  |      |     |       |     |     |      |    |
|             | CSS   | 00400 | 09.10 | 35.10 | 27.26   | 00.644 | 1490.1  |      |     |       |     |     |      |    |
|             | STD   | 00500 | 07.45 | 35.06 | 27.42   |        | 1489.1  |      |     |       |     |     |      |    |
|             | CSS   | 00500 | 07.45 | 35.06 | 27.42   | 00.732 | 1488.3  |      |     |       |     |     |      |    |
|             | STD   | 00600 | 06.06 | 35.03 | 27.59   |        | 1485.3  |      |     |       |     |     |      |    |
|             | CSS   | 00600 | 06.06 | 35.03 | 27.59   | 00.780 | 1484.3  |      |     |       |     |     |      |    |
|             | STD   | 00700 | 05.42 | 35.02 | 27.66   |        | 1484.3  |      |     |       |     |     |      |    |
|             | CSS   | 00700 | 05.42 | 35.02 | 27.66   | 00.839 | 1484.5  |      |     |       |     |     |      |    |
|             | STD   | 00800 | 05.07 | 35.03 | 27.71   |        | 1484.5  |      |     |       |     |     |      |    |
|             | CSS   | 00800 | 05.07 | 35.03 | 27.71   | 00.887 | 1483.6  |      |     |       |     |     |      |    |
|             | STD   | 00900 | 04.76 | 35.02 | 27.74   |        | 1483.6  |      |     |       |     |     |      |    |
|             | CSS   | 00900 | 04.76 | 35.02 | 27.74   | 00.934 | 1482.7  |      |     |       |     |     |      |    |
|             | STD   | 01000 | 04.55 | 35.01 | 27.76   |        | 1482.7  |      |     |       |     |     |      |    |
|             | CSS   | 01000 | 04.55 | 35.01 | 27.76   | 00.976 | 1482.6  |      |     |       |     |     |      |    |
|             | STD   | 01100 | 04.41 | 35.00 | 27.76   |        | 1482.6  |      |     |       |     |     |      |    |
|             | CSS   | 01100 | 04.41 | 35.00 | 27.76   | 01.025 | 1481.9  |      |     |       |     |     |      |    |
|             | STD   | 01200 | 04.27 | 34.99 | 27.77   |        | 1481.9  |      |     |       |     |     |      |    |
|             | CSS   | 01200 | 04.27 | 34.99 | 27.77   | 01.071 | 1480.0  |      |     |       |     |     |      |    |
|             | STD   | 01300 | 04.15 | 34.99 | 27.78   |        | 1480.0  |      |     |       |     |     |      |    |
|             | CSS   | 01300 | 04.15 | 34.99 | 27.78   | 01.116 | 1480.4  |      |     |       |     |     |      |    |
|             | STD   | 01400 | 04.07 | 34.99 | 27.79   |        | 1480.4  |      |     |       |     |     |      |    |
|             | CSS   | 01400 | 04.07 | 34.99 | 27.79   | 01.161 | 1481.4  |      |     |       |     |     |      |    |
|             | STD   | 01500 | 03.56 | 34.96 | 27.80   |        | 1481.4  |      |     |       |     |     |      |    |
|             | CSS   | 01500 | 03.56 | 34.96 | 27.80   |        | 1481.4  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

REF ID: A1 8467 YEAR 1974 BOTOP 02630 AIR TEMP 12.6 DIR PCT PER WIND-DIR 04 INST STD RECORDER TEN SO 1307  
 CONSEC 0000 MONTH 10 SHIP IN MET PCT 11.1 03 1 2 WIND-SPD 00 TRACE DIR 0 8 SQUARE 1  
 LAT 42 11 N DAY 14 DATA USE 1 SARC 1027.4 SEA 00.4 DURATION 00.4 2 SQUARE 20  
 LONG 086 10 W HOUR 15.2 AREA 05 CLC1 A CL/TS WEATHER X2 ORIG A4 03000 1 SQUARE 20

| CASSTNUM/TIME | LVLTYP | DEPTH | TEMP  | SAL    | SIGMA-T | DYNOPTh | SAD VEL | QXVG | PO4 | TOT P | NO2 | NO3 | SIO3 | PH |
|---------------|--------|-------|-------|--------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 18.2          | STD    | 00000 | 16.27 | 33.83  | 24.58   | 60.000  | 1809.6  |      |     |       |     |     |      |    |
|               | OBS    | 00000 | 16.27 | 33.83  | 24.58   |         | 1809.6  |      |     |       |     |     |      |    |
|               | STD    | 00010 | 16.14 | 33.84  | 24.63   | 60.032  | 1809.4  |      |     |       |     |     |      |    |
|               | OBS    | 00010 | 16.14 | 33.84  | 24.63   |         | 1809.4  |      |     |       |     |     |      |    |
|               | STD    | 00020 | 16.01 | 33.85  | 24.63   | 60.062  | 1809.0  |      |     |       |     |     |      |    |
|               | OBS    | 00020 | 16.01 | 33.85  | 24.63   |         | 1809.0  |      |     |       |     |     |      |    |
|               | STD    | 00030 | 15.57 | 33.84  | 24.62   | 60.090  | 1810.1  |      |     |       |     |     |      |    |
|               | OBS    | 00030 | 15.57 | 33.84  | 24.62   |         | 1810.1  |      |     |       |     |     |      |    |
|               | STD    | 00040 | 15.22 | 33.16  | 24.60   | 60.128  | 1802.6  |      |     |       |     |     |      |    |
|               | OBS    | 00040 | 15.22 | 33.16  | 24.60   |         | 1802.6  |      |     |       |     |     |      |    |
|               | STD    | 00050 | 14.00 | 33.50  | 24.65   | 60.162  | 1806.1  |      |     |       |     |     |      |    |
|               | OBS    | 00050 | 14.00 | 33.50  | 24.65   |         | 1806.1  |      |     |       |     |     |      |    |
|               | STD    | 00062 | 13.76 | 33.51  | 24.65   |         | 1805.3  |      |     |       |     |     |      |    |
|               | OBS    | 00062 | 13.76 | 33.51  | 24.65   |         | 1805.3  |      |     |       |     |     |      |    |
|               | STD    | 00067 | 13.99 | 33.57  | 24.66   |         | 1806.3  |      |     |       |     |     |      |    |
|               | OBS    | 00067 | 13.99 | 33.57  | 24.66   |         | 1806.3  |      |     |       |     |     |      |    |
|               | STD    | 00094 | 13.56 | 33.65  | 24.72   |         | 1806.4  |      |     |       |     |     |      |    |
|               | OBS    | 00094 | 13.56 | 33.65  | 24.72   |         | 1806.4  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 14.04 | 33.72  | 24.78   | 60.164  | 1806.8  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 14.04 | 33.72  | 24.78   |         | 1806.8  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 13.82 | 33.66  | 24.82   | 60.225  | 1805.8  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 13.82 | 33.66  | 24.82   |         | 1805.8  |      |     |       |     |     |      |    |
|               | STD    | 00100 | 13.51 | 33.61  | 24.88   | 60.260  | 1804.1  |      |     |       |     |     |      |    |
|               | OBS    | 00100 | 13.51 | 33.61  | 24.88   |         | 1804.1  |      |     |       |     |     |      |    |
|               | STD    | 00101 | 12.60 | 33.50  | 24.91   |         | 1803.9  |      |     |       |     |     |      |    |
|               | OBS    | 00101 | 12.60 | 33.50  | 24.91   |         | 1803.9  |      |     |       |     |     |      |    |
|               | STD    | 00200 | 11.48 | 33.30  | 24.94   | 60.320  | 1459.2  |      |     |       |     |     |      |    |
|               | OBS    | 00200 | 11.48 | 33.30  | 24.94   |         | 1459.2  |      |     |       |     |     |      |    |
|               | STD    | 00210 | 11.14 | 33.22  | 24.94   |         | 1458.2  |      |     |       |     |     |      |    |
|               | OBS    | 00210 | 11.14 | 33.22  | 24.94   |         | 1458.2  |      |     |       |     |     |      |    |
|               | STD    | 00221 | 11.09 | 33.44  | 27.01   |         | 1800.6  |      |     |       |     |     |      |    |
|               | OBS    | 00221 | 11.09 | 33.44  | 27.01   |         | 1800.6  |      |     |       |     |     |      |    |
|               | STD    | 00250 | 10.57 | 33.38  | 27.07   | 60.376  | 1458.4  |      |     |       |     |     |      |    |
|               | OBS    | 00250 | 10.57 | 33.38  | 27.07   |         | 1458.4  |      |     |       |     |     |      |    |
|               | STD    | 00300 | 09.89 | 33.23  | 27.17   | 60.427  | 1458.2  |      |     |       |     |     |      |    |
|               | OBS    | 00300 | 09.89 | 33.23  | 27.17   |         | 1458.2  |      |     |       |     |     |      |    |
|               | STD    | 00400 | 08.21 | 33.10  | 27.31   | 60.517  | 1450.8  |      |     |       |     |     |      |    |
|               | OBS    | 00400 | 08.21 | 33.10  | 27.31   |         | 1450.8  |      |     |       |     |     |      |    |
|               | STD    | 00500 | 06.76 | 33.05  | 27.51   | 60.592  | 1446.4  |      |     |       |     |     |      |    |
|               | OBS    | 00500 | 06.76 | 33.05  | 27.51   |         | 1446.4  |      |     |       |     |     |      |    |
|               | STD    | 00600 | 05.55 | 33.05  | 27.62   | 60.653  | 1444.8  |      |     |       |     |     |      |    |
|               | OBS    | 00600 | 05.55 | 33.05  | 27.62   |         | 1444.8  |      |     |       |     |     |      |    |
|               | STD    | 00700 | 05.46 | 33.05  | 27.68   | 60.707  | 1444.5  |      |     |       |     |     |      |    |
|               | OBS    | 00700 | 05.46 | 33.05  | 27.68   |         | 1444.5  |      |     |       |     |     |      |    |
|               | STD    | 00800 | 04.98 | 33.02  | 27.72   | 60.756  | 1444.2  |      |     |       |     |     |      |    |
|               | OBS    | 00800 | 04.98 | 33.02  | 27.72   |         | 1444.2  |      |     |       |     |     |      |    |
|               | STD    | 00900 | 04.76 | 33.03  | 27.75   | 60.804  | 1444.9  |      |     |       |     |     |      |    |
|               | OBS    | 00900 | 04.76 | 33.03  | 27.75   |         | 1444.9  |      |     |       |     |     |      |    |
|               | STD    | 00938 | 04.67 | 33.024 | 27.75   |         | 1443.1  |      |     |       |     |     |      |    |
|               | OBS    | 00938 | 04.67 | 33.024 | 27.75   |         | 1443.1  |      |     |       |     |     |      |    |
|               | STD    | 00981 | 04.75 | 33.050 | 27.77   |         | 1443.8  |      |     |       |     |     |      |    |
|               | OBS    | 00981 | 04.75 | 33.050 | 27.77   |         | 1443.8  |      |     |       |     |     |      |    |
|               | STD    | 01000 | 04.62 | 33.02  | 27.76   | 60.850  | 1446.0  |      |     |       |     |     |      |    |
|               | OBS    | 01000 | 04.62 | 33.020 | 27.76   |         | 1446.0  |      |     |       |     |     |      |    |
|               | STD    | 01023 | 04.43 | 33.000 | 27.76   |         | 1446.1  |      |     |       |     |     |      |    |
|               | OBS    | 01023 | 04.43 | 33.000 | 27.76   |         | 1446.1  |      |     |       |     |     |      |    |
|               | STD    | 01084 | 04.44 | 33.002 | 27.76   |         | 1446.6  |      |     |       |     |     |      |    |
|               | OBS    | 01084 | 04.44 | 33.002 | 27.76   |         | 1446.6  |      |     |       |     |     |      |    |
|               | STD    | 01100 | 04.39 | 34.990 | 27.76   | 60.896  | 1446.7  |      |     |       |     |     |      |    |
|               | OBS    | 01100 | 04.39 | 34.990 | 27.76   |         | 1446.7  |      |     |       |     |     |      |    |
|               | STD    | 01200 | 04.24 | 34.991 | 27.77   | 60.942  | 1447.7  |      |     |       |     |     |      |    |
|               | OBS    | 01200 | 04.24 | 34.991 | 27.77   |         | 1447.7  |      |     |       |     |     |      |    |
|               | STD    | 01300 | 04.13 | 34.990 | 27.79   | 60.981  | 1449.0  |      |     |       |     |     |      |    |
|               | OBS    | 01300 | 04.13 | 34.990 | 27.79   |         | 1449.0  |      |     |       |     |     |      |    |
|               | STD    | 01360 | 04.12 | 34.992 | 27.79   |         | 1449.0  |      |     |       |     |     |      |    |
|               | OBS    | 01360 | 04.12 | 34.992 | 27.79   |         | 1449.0  |      |     |       |     |     |      |    |
|               | STD    | 01400 | 04.04 | 34.984 | 27.79   | 61.032  | 1450.2  |      |     |       |     |     |      |    |
|               | OBS    | 01400 | 04.04 | 34.984 | 27.79   |         | 1450.2  |      |     |       |     |     |      |    |
|               | STD    | 01500 | 03.98 | 34.99  | 27.80   | 61.077  | 1451.7  |      |     |       |     |     |      |    |
|               | OBS    | 01500 | 03.98 | 34.990 | 27.80   |         | 1451.7  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

REPID 31 0407 YEAR 1974 BOTDP 02015 AIR TEMP 11.7 DIR HGT PER WIND-DIR 03 INST STD RECORDER TEN SO 1307  
 CONSEC 0406 MONTH 10 SHIP 11 WET DALS 10.6 02 1 2 WIND-SPD 00 TRACE DIR D 5 SQUARE 1  
 LAT 42 29 N DAY 14 DATA USE 1 BARCHETR 1020.0 SEA WIND-FOR 00 DURATION 00.3 2 SQUARE 20  
 LONG 050 20 W HOUR 15.0 AREA 05 CLOUD T/A CL/TS WEATHER X1 ORIG A4 03006 1 SQUARE 20

| CASSTIME/TYPE | LVLTP | DEPTH | TEMP  | SAL    | SIGMA-T | SYNDFTH | SAD VEL | QV6 | PO4 | TOT P | NO2 | NO3 | SIG3 | PH |
|---------------|-------|-------|-------|--------|---------|---------|---------|-----|-----|-------|-----|-----|------|----|
| 10.0          | STD   | 00000 | 18.00 | 32.98  | 20.44   | 00.000  | 1804.9  |     |     |       |     |     |      |    |
|               | QBS   | 00000 | 18.00 | 32.98  | 20.44   |         | 1804.9  |     |     |       |     |     |      |    |
|               | STD   | 00010 | 18.18 | 33.14  | 20.53   | 00.035  | 1806.8  |     |     |       |     |     |      |    |
|               | QBS   | 00010 | 18.18 | 33.14  | 20.53   |         | 1806.8  |     |     |       |     |     |      |    |
|               | STD   | 00020 | 11.18 | 33.68  | 25.74   | 00.063  | 1493.2  |     |     |       |     |     |      |    |
|               | QBS   | 00020 | 11.18 | 33.68  | 25.74   |         | 1493.2  |     |     |       |     |     |      |    |
|               | QBS   | 00023 | 10.43 | 33.06  | 25.94   |         | 1492.3  |     |     |       |     |     |      |    |
|               | QBS   | 00026 | 11.00 | 34.28  | 26.23   |         | 1493.5  |     |     |       |     |     |      |    |
|               | STD   | 00030 | 11.80 | 34.77  | 26.47   | 00.082  | 1457.0  |     |     |       |     |     |      |    |
|               | QBS   | 00030 | 11.80 | 34.77  | 26.47   |         | 1457.0  |     |     |       |     |     |      |    |
|               | STD   | 00080 | 12.93 | 35.33  | 26.68   | 00.112  | 1801.9  |     |     |       |     |     |      |    |
|               | QBS   | 00080 | 12.93 | 35.33  | 26.68   |         | 1801.9  |     |     |       |     |     |      |    |
|               | QBS   | 00084 | 12.87 | 35.21  | 26.68   |         | 1801.7  |     |     |       |     |     |      |    |
|               | QBS   | 00086 | 13.79 | 35.68  | 26.77   |         | 1805.4  |     |     |       |     |     |      |    |
|               | STD   | 00075 | 13.73 | 35.45  | 26.76   | 00.146  | 1805.3  |     |     |       |     |     |      |    |
|               | QBS   | 00075 | 13.73 | 35.45  | 26.76   |         | 1805.3  |     |     |       |     |     |      |    |
|               | QBS   | 00078 | 13.93 | 35.74  | 26.79   |         | 1806.1  |     |     |       |     |     |      |    |
|               | STD   | 00100 | 13.41 | 35.64  | 26.84   | 00.178  | 1804.7  |     |     |       |     |     |      |    |
|               | QBS   | 00100 | 13.41 | 35.64  | 26.84   |         | 1804.7  |     |     |       |     |     |      |    |
|               | QBS   | 00109 | 13.61 | 35.82  | 26.89   |         | 1803.5  |     |     |       |     |     |      |    |
|               | STD   | 00125 | 12.78 | 35.55  | 26.88   | 00.208  | 1802.9  |     |     |       |     |     |      |    |
|               | QBS   | 00125 | 12.78 | 35.55  | 26.88   |         | 1802.9  |     |     |       |     |     |      |    |
|               | STD   | 00150 | 12.41 | 35.83  | 26.94   | 00.239  | 1802.0  |     |     |       |     |     |      |    |
|               | QBS   | 00150 | 12.41 | 35.83  | 26.94   |         | 1802.0  |     |     |       |     |     |      |    |
|               | STD   | 00200 | 05.03 | 34.93  | 27.11   | 00.292  | 1499.3  |     |     |       |     |     |      |    |
|               | QBS   | 00200 | 05.03 | 34.93  | 27.11   |         | 1499.3  |     |     |       |     |     |      |    |
|               | QBS   | 00225 | 07.29 | 34.65  | 27.12   |         | 1493.4  |     |     |       |     |     |      |    |
|               | QBS   | 00240 | 08.34 | 34.90  | 27.16   |         | 1498.0  |     |     |       |     |     |      |    |
|               | STD   | 00250 | 08.91 | 35.05  | 27.19   | 00.341  | 1499.8  |     |     |       |     |     |      |    |
|               | QBS   | 00250 | 08.91 | 35.05  | 27.19   |         | 1499.8  |     |     |       |     |     |      |    |
|               | QBS   | 00260 | 09.22 | 35.16  | 27.21   |         | 1492.4  |     |     |       |     |     |      |    |
|               | QBS   | 00281 | 05.17 | 34.96  | 27.24   |         | 1498.1  |     |     |       |     |     |      |    |
|               | QBS   | 00294 | 05.45 | 35.08  | 27.29   |         | 1499.6  |     |     |       |     |     |      |    |
|               | STD   | 00300 | 05.42 | 35.07  | 27.28   | 00.385  | 1499.8  |     |     |       |     |     |      |    |
|               | QBS   | 00300 | 05.42 | 35.07  | 27.28   |         | 1499.8  |     |     |       |     |     |      |    |
|               | QBS   | 00320 | 05.13 | 35.06  | 27.32   |         | 1498.8  |     |     |       |     |     |      |    |
|               | QBS   | 00331 | 07.74 | 34.98  | 27.32   |         | 1497.3  |     |     |       |     |     |      |    |
|               | QBS   | 00351 | 07.67 | 35.05  | 27.43   |         | 1498.1  |     |     |       |     |     |      |    |
|               | QBS   | 00367 | 07.13 | 35.06  | 27.47   |         | 1495.7  |     |     |       |     |     |      |    |
|               | QBS   | 00377 | 07.65 | 35.05  | 27.47   |         | 1495.5  |     |     |       |     |     |      |    |
|               | STD   | 00400 | 06.58 | 35.08  | 27.51   | 00.461  | 1495.8  |     |     |       |     |     |      |    |
|               | QBS   | 00400 | 06.58 | 35.08  | 27.51   |         | 1495.8  |     |     |       |     |     |      |    |
|               | QBS   | 00437 | 06.76 | 35.09  | 27.54   |         | 1495.4  |     |     |       |     |     |      |    |
|               | QBS   | 00456 | 06.81 | 35.07  | 27.56   |         | 1496.7  |     |     |       |     |     |      |    |
|               | QBS   | 00469 | 06.27 | 35.04  | 27.57   |         | 1493.9  |     |     |       |     |     |      |    |
|               | STD   | 00500 | 06.23 | 35.05  | 27.58   | 00.523  | 1494.3  |     |     |       |     |     |      |    |
|               | QBS   | 00500 | 06.23 | 35.05  | 27.58   |         | 1494.3  |     |     |       |     |     |      |    |
|               | QBS   | 00566 | 03.62 | 34.71  | 27.63   |         | 1473.8  |     |     |       |     |     |      |    |
|               | QBS   | 00601 | 03.49 | 34.72  | 27.64   |         | 1473.9  |     |     |       |     |     |      |    |
|               | STD   | 00600 | 03.33 | 34.71  | 27.64   | 00.577  | 1473.8  |     |     |       |     |     |      |    |
|               | QBS   | 00600 | 03.33 | 34.71  | 27.64   |         | 1473.8  |     |     |       |     |     |      |    |
|               | QBS   | 00615 | 03.28 | 34.72  | 27.64   |         | 1473.6  |     |     |       |     |     |      |    |
|               | QBS   | 00625 | 03.34 | 34.75  | 27.68   |         | 1476.0  |     |     |       |     |     |      |    |
|               | STD   | 00700 | 03.33 | 34.74  | 27.68   | 00.626  | 1476.3  |     |     |       |     |     |      |    |
|               | QBS   | 00700 | 03.33 | 34.74  | 27.68   |         | 1476.3  |     |     |       |     |     |      |    |
|               | STD   | 00800 | 03.53 | 34.82  | 27.71   | 00.672  | 1477.8  |     |     |       |     |     |      |    |
|               | QBS   | 00800 | 03.53 | 34.822 | 27.71   |         | 1477.8  |     |     |       |     |     |      |    |
|               | QBS   | 00821 | 04.11 | 34.923 | 27.73   |         | 1480.0  |     |     |       |     |     |      |    |
|               | QBS   | 00846 | 04.19 | 34.923 | 27.73   |         | 1481.4  |     |     |       |     |     |      |    |
|               | STD   | 00900 | 03.72 | 34.87  | 27.74   | 00.718  | 1480.4  |     |     |       |     |     |      |    |
|               | QBS   | 00900 | 03.72 | 34.873 | 27.74   |         | 1480.4  |     |     |       |     |     |      |    |
|               | QBS   | 00912 | 03.63 | 34.864 | 27.72   |         | 1480.5  |     |     |       |     |     |      |    |
|               | STD   | 01000 | 03.63 | 34.86  | 27.74   | 00.763  | 1481.7  |     |     |       |     |     |      |    |
|               | QBS   | 01000 | 03.63 | 34.863 | 27.74   |         | 1481.7  |     |     |       |     |     |      |    |
|               | STD   | 01100 | 03.64 | 34.87  | 27.74   | 00.809  | 1483.8  |     |     |       |     |     |      |    |
|               | QBS   | 01100 | 03.64 | 34.870 | 27.74   |         | 1483.8  |     |     |       |     |     |      |    |
|               | STD   | 01200 | 03.64 | 34.88  | 27.75   | 00.855  | 1485.1  |     |     |       |     |     |      |    |
|               | QBS   | 01200 | 03.64 | 34.880 | 27.75   |         | 1485.1  |     |     |       |     |     |      |    |
|               | STD   | 01300 | 03.62 | 34.88  | 27.75   | 00.892  | 1486.7  |     |     |       |     |     |      |    |
|               | QBS   | 01300 | 03.62 | 34.884 | 27.75   |         | 1486.7  |     |     |       |     |     |      |    |
|               | STD   | 01400 | 03.60 | 34.89  | 27.76   | 00.940  | 1488.3  |     |     |       |     |     |      |    |
|               | QBS   | 01400 | 03.60 | 34.890 | 27.76   |         | 1488.3  |     |     |       |     |     |      |    |
|               | STD   | 01500 | 03.59 | 34.89  | 27.76   | 00.990  | 1490.9  |     |     |       |     |     |      |    |
|               | QBS   | 01500 | 03.59 | 34.891 | 27.76   |         | 1490.9  |     |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

REF ID: A1 5407 YEAR 1974 OCTOP 01400 AIR TEMP 13.3 DIR 1-61 PER WIND-DIR 03 INST STD RECORDER TEN SQ 1907  
 CONSEC 0007 MONTH 10 SHIP 14 NET SLS 11.1 34 1 2 WIND-SPD 12 TRACE DIR 0 5 SQUARE 1  
 LAT 42 36 N DAY 14 DATA USE 1 SARCHETA 1929-0 SEA CL/TS WIND-PDR DURATION 00.4 2 SQUARE 20  
 LONG 090 20 W HOUR 20.0 AREA 05 CLCUD 7/A WEATHER X1 CR16 A4 03007 1 SQUARE 20

| CASSTNUM/TIME | LVL TYP | DEPTH | TEMP  | SAL   | SIGMA-T | DYNDEPTH | SAD VEL | QAYG | PG4 | TOT P | MS2 | MS3 | SIGS | PH |
|---------------|---------|-------|-------|-------|---------|----------|---------|------|-----|-------|-----|-----|------|----|
| 20.0          | STD     | 00000 | 14.65 | 32.94 | 24.67   | 00.000   | 1003.9  |      |     |       |     |     |      |    |
|               | QSS     | 00000 | 14.65 | 32.94 | 24.67   |          | 1003.9  |      |     |       |     |     |      |    |
|               | STD     | 00010 | 14.67 | 32.90 | 24.66   | 00.038   | 1004.8  |      |     |       |     |     |      |    |
|               | QSS     | 00010 | 14.67 | 32.90 | 24.66   |          | 1004.8  |      |     |       |     |     |      |    |
|               | STD     | 00020 | 14.63 | 32.93 | 24.66   | 00.045   | 1004.6  |      |     |       |     |     |      |    |
|               | QSS     | 00020 | 14.63 | 32.93 | 24.66   |          | 1004.6  |      |     |       |     |     |      |    |
|               | STD     | 00030 | 13.67 | 32.64 | 24.63   | 00.103   | 1000.6  |      |     |       |     |     |      |    |
|               | QSS     | 00030 | 13.67 | 32.64 | 24.63   |          | 1000.6  |      |     |       |     |     |      |    |
|               | STD     | 00050 | 12.79 | 34.43 | 26.01   | 00.187   | 1000.3  |      |     |       |     |     |      |    |
|               | STC     | 00075 | 11.56 | 36.42 | 26.94   | 00.196   | 1009.1  |      |     |       |     |     |      |    |
|               | QSS     | 00075 | 11.56 | 36.42 | 26.94   |          | 1009.1  |      |     |       |     |     |      |    |
|               | STD     | 00100 | 11.20 | 36.29 | 26.97   | 00.228   | 1017.0  |      |     |       |     |     |      |    |
|               | QSS     | 00100 | 11.20 | 36.29 | 26.97   |          | 1017.0  |      |     |       |     |     |      |    |
|               | QSS     | 00120 | 08.89 | 34.78 | 27.06   |          | 1008.9  |      |     |       |     |     |      |    |
|               | STD     | 00125 | 08.82 | 34.94 | 27.12   | 00.251   | 1008.0  |      |     |       |     |     |      |    |
|               | QSS     | 00125 | 08.82 | 34.94 | 27.12   |          | 1008.0  |      |     |       |     |     |      |    |
|               | QSS     | 00129 | 08.12 | 34.99 | 27.11   |          | 1009.3  |      |     |       |     |     |      |    |
|               | STD     | 00150 | 06.37 | 34.63 | 27.18   | 00.278   | 1078.4  |      |     |       |     |     |      |    |
|               | QSS     | 00150 | 06.37 | 34.63 | 27.18   |          | 1078.4  |      |     |       |     |     |      |    |
|               | QSS     | 00179 | 07.36 | 34.78 | 27.22   |          | 1023.1  |      |     |       |     |     |      |    |
|               | STD     | 00200 | 06.23 | 34.67 | 27.24   | 00.320   | 1000.0  |      |     |       |     |     |      |    |
|               | QSS     | 00200 | 06.23 | 34.67 | 27.24   |          | 1000.0  |      |     |       |     |     |      |    |
|               | QSS     | 00209 | 07.11 | 34.77 | 27.24   |          | 1022.6  |      |     |       |     |     |      |    |
|               | QSS     | 00219 | 06.43 | 34.66 | 27.28   |          | 1079.9  |      |     |       |     |     |      |    |
|               | QSS     | 00230 | 06.78 | 34.78 | 27.30   |          | 1001.6  |      |     |       |     |     |      |    |
|               | QSS     | 00235 | 06.43 | 34.76 | 27.30   |          | 1001.1  |      |     |       |     |     |      |    |
|               | STD     | 00250 | 04.00 | 34.88 | 27.39   | 00.361   | 1022.4  |      |     |       |     |     |      |    |
|               | QSS     | 00250 | 04.00 | 34.88 | 27.39   |          | 1022.4  |      |     |       |     |     |      |    |
|               | QSS     | 00255 | 04.72 | 34.66 | 27.37   |          | 1022.1  |      |     |       |     |     |      |    |
|               | QSS     | 00277 | 06.58 | 34.96 | 27.41   |          | 1023.3  |      |     |       |     |     |      |    |
|               | STD     | 00300 | 06.46 | 34.97 | 27.40   | 00.397   | 1021.8  |      |     |       |     |     |      |    |
|               | QSS     | 00300 | 06.46 | 34.97 | 27.40   |          | 1021.8  |      |     |       |     |     |      |    |
|               | QSS     | 00331 | 06.60 | 38.06 | 27.83   |          | 1023.0  |      |     |       |     |     |      |    |
|               | QSS     | 00340 | 06.73 | 38.09 | 27.86   |          | 1023.7  |      |     |       |     |     |      |    |
|               | QSS     | 00361 | 06.72 | 38.09 | 27.86   |          | 1024.0  |      |     |       |     |     |      |    |
|               | STD     | 00400 | 06.29 | 38.07 | 27.89   | 00.482   | 1022.9  |      |     |       |     |     |      |    |
|               | QSS     | 00400 | 06.29 | 38.07 | 27.89   |          | 1022.9  |      |     |       |     |     |      |    |
|               | QSS     | 00401 | 06.79 | 38.08 | 27.88   |          | 1021.8  |      |     |       |     |     |      |    |
|               | QSS     | 00421 | 06.68 | 34.98 | 27.87   |          | 1079.2  |      |     |       |     |     |      |    |
|               | STD     | 00500 | 05.02 | 34.88 | 27.68   | 00.810   | 1076.3  |      |     |       |     |     |      |    |
|               | QSS     | 00500 | 05.02 | 34.88 | 27.68   |          | 1079.3  |      |     |       |     |     |      |    |
|               | QSS     | 00521 | 04.55 | 34.98 | 27.66   |          | 1079.7  |      |     |       |     |     |      |    |
|               | STD     | 00600 | 03.66 | 34.66 | 27.70   | 00.880   | 1076.4  |      |     |       |     |     |      |    |
|               | QSS     | 00600 | 03.56 | 34.66 | 27.70   |          | 1076.4  |      |     |       |     |     |      |    |
|               | QSS     | 00610 | 03.92 | 34.66 | 27.70   |          | 1076.8  |      |     |       |     |     |      |    |
|               | QSS     | 00620 | 03.71 | 34.63 | 27.70   |          | 1078.7  |      |     |       |     |     |      |    |
|               | QSS     | 00650 | 03.42 | 34.63 | 27.71   |          | 1078.8  |      |     |       |     |     |      |    |
|               | STD     | 00700 | 03.62 | 34.64 | 27.72   | 00.903   | 1076.6  |      |     |       |     |     |      |    |
|               | QSS     | 00700 | 03.62 | 34.64 | 27.72   |          | 1076.6  |      |     |       |     |     |      |    |
|               | QSS     | 00739 | 03.64 | 34.68 | 27.73   |          | 1077.3  |      |     |       |     |     |      |    |
|               | STD     | 00800 | 03.71 | 34.67 | 27.73   | 00.940   | 1078.7  |      |     |       |     |     |      |    |
|               | QSS     | 00800 | 03.71 | 34.67 | 27.73   |          | 1078.7  |      |     |       |     |     |      |    |
|               | STD     | 00900 | 03.71 | 34.68 | 27.74   | 00.992   | 1080.3  |      |     |       |     |     |      |    |
|               | QSS     | 00900 | 03.71 | 34.68 | 27.74   |          | 1080.3  |      |     |       |     |     |      |    |
|               | STD     | 01000 | 03.70 | 34.68 | 27.74   | 00.737   | 1082.0  |      |     |       |     |     |      |    |
|               | QSS     | 01000 | 03.70 | 34.68 | 27.74   |          | 1082.0  |      |     |       |     |     |      |    |
|               | STD     | 01100 | 03.68 | 34.68 | 27.75   | 00.782   | 1083.6  |      |     |       |     |     |      |    |
|               | QSS     | 01100 | 03.68 | 34.68 | 27.75   |          | 1083.6  |      |     |       |     |     |      |    |
|               | STD     | 01200 | 03.68 | 34.68 | 27.75   | 00.828   | 1085.2  |      |     |       |     |     |      |    |
|               | QSS     | 01200 | 03.68 | 34.68 | 27.75   |          | 1085.2  |      |     |       |     |     |      |    |
|               | QSS     | 01201 | 03.68 | 34.69 | 27.75   |          | 1086.8  |      |     |       |     |     |      |    |

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TABLE III. CGC SHERMAN, October 1974--(Continued)

REFID 31 0407 YEAR 1974 SOTOP 00204 AIR TEMP 09.4 DIR FGT PER WIND-DIR 03 INST STD RECORDER TEN 50 1307  
 CONSEC 0000 MONTH 10 SHIP IN WET BULB 07.0 03 0 2 WIND-SPD 07 TRACE DIR 0 5 SQUARE 1  
 LAT 42 50 N DAY 14 DATA USE 1 BAROMETER 1030.8 SEA WIND-FGT DURATION 00.2 2 SQUARE 20  
 LONG 080 20 W HOUR 22.9 AREA 08 CLOUD T/A CL/TN WEATHER X2 ORIG A4 03008 1 SQUARE 20

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYADPTH | SAC VEL | QXVE | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 22.0        | STD   | 00000 | 11.23  | 32.42 | 26.75   | 00.000  | 1451.8  |      |     |       |     |     |      |    |
|             | DBS   | 00000 | 11.23  | 32.42 | 26.75   |         | 1451.8  |      |     |       |     |     |      |    |
|             | DBS   | 00006 | 11.23  | 32.42 | 26.75   |         | 1451.8  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 10.51  | 32.38 | 26.75   | 00.032  | 1450.8  |      |     |       |     |     |      |    |
|             | DBS   | 00010 | 10.51  | 32.38 | 26.75   |         | 1450.8  |      |     |       |     |     |      |    |
|             | DBS   | 00016 | 09.97  | 32.27 | 26.85   |         | 1457.0  |      |     |       |     |     |      |    |
|             | DBS   | 00019 | 10.80  | 32.51 | 26.90   |         | 1450.4  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 08.06  | 32.61 | 25.29   | 00.062  | 1453.4  |      |     |       |     |     |      |    |
|             | DBS   | 00020 | 08.06  | 32.61 | 25.29   |         | 1453.4  |      |     |       |     |     |      |    |
|             | DBS   | 00024 | 06.44  | 32.61 | 25.63   |         | 1474.1  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 06.01  | 32.90 | 25.99   | 00.080  | 1473.0  |      |     |       |     |     |      |    |
|             | DBS   | 00030 | 06.01  | 32.90 | 25.99   |         | 1473.0  |      |     |       |     |     |      |    |
|             | STD   | 00080 | 02.39  | 33.14 | 26.45   | 00.121  | 1455.3  |      |     |       |     |     |      |    |
|             | DBS   | 00080 | 02.39  | 33.14 | 26.49   |         | 1458.3  |      |     |       |     |     |      |    |
|             | STD   | 00078 | - 1.10 | 33.24 | 26.75   | 00.157  | 1443.0  |      |     |       |     |     |      |    |
|             | DBS   | 00078 | - 1.10 | 33.24 | 26.75   |         | 1443.0  |      |     |       |     |     |      |    |
|             | STD   | 00100 | - 0.06 | 33.50 | 26.92   | 00.167  | 1448.6  |      |     |       |     |     |      |    |
|             | DBS   | 00100 | - 0.06 | 33.50 | 26.92   |         | 1448.6  |      |     |       |     |     |      |    |
|             | DBS   | 00100 | 00.06  | 33.50 | 26.91   |         | 1449.2  |      |     |       |     |     |      |    |
|             | DBS   | 00110 | 00.54  | 33.59 | 26.94   |         | 1453.4  |      |     |       |     |     |      |    |
|             | STD   | 00125 | 03.68  | 34.00 | 27.06   | 00.214  | 1466.2  |      |     |       |     |     |      |    |
|             | DBS   | 00125 | 03.68  | 34.00 | 27.06   |         | 1466.2  |      |     |       |     |     |      |    |
|             | DBS   | 00129 | 03.68  | 34.01 | 27.05   |         | 1466.3  |      |     |       |     |     |      |    |
|             | DBS   | 00142 | 04.33  | 34.14 | 27.11   |         | 1469.8  |      |     |       |     |     |      |    |
|             | DBS   | 00147 | 04.47  | 34.20 | 27.12   |         | 1470.2  |      |     |       |     |     |      |    |
|             | STD   | 00180 | 04.34  | 34.18 | 27.12   | 00.235  | 1469.6  |      |     |       |     |     |      |    |
|             | DBS   | 00180 | 04.34  | 34.18 | 27.12   |         | 1469.6  |      |     |       |     |     |      |    |
|             | DBS   | 00181 | 04.34  | 34.19 | 27.13   |         | 1469.7  |      |     |       |     |     |      |    |
|             | DBS   | 00188 | 04.33  | 34.32 | 27.14   |         | 1472.0  |      |     |       |     |     |      |    |
|             | DBS   | 00188 | 04.57  | 34.31 | 27.15   |         | 1472.7  |      |     |       |     |     |      |    |
|             | DBS   | 00178 | 05.17  | 34.41 | 27.21   |         | 1473.0  |      |     |       |     |     |      |    |
|             | DBS   | 00198 | 04.58  | 34.35 | 27.22   |         | 1473.3  |      |     |       |     |     |      |    |
|             | STD   | 00200 | 04.63  | 34.36 | 27.23   | 00.268  | 1471.9  |      |     |       |     |     |      |    |
|             | DBS   | 00200 | 04.63  | 34.36 | 27.23   |         | 1471.9  |      |     |       |     |     |      |    |
|             | DBS   | 00208 | 04.85  | 34.36 | 27.24   |         | 1471.0  |      |     |       |     |     |      |    |
|             | DBS   | 00208 | 04.67  | 34.35 | 27.24   |         | 1471.4  |      |     |       |     |     |      |    |
|             | DBS   | 00210 | 04.82  | 34.37 | 27.25   |         | 1471.6  |      |     |       |     |     |      |    |
|             | DBS   | 00212 | 04.27  | 34.34 | 27.26   |         | 1470.6  |      |     |       |     |     |      |    |
|             | DBS   | 00218 | 04.31  | 34.35 | 27.26   |         | 1470.6  |      |     |       |     |     |      |    |
|             | DBS   | 00217 | 04.27  | 34.35 | 27.26   |         | 1470.7  |      |     |       |     |     |      |    |
|             | DBS   | 00220 | 04.44  | 34.37 | 27.26   |         | 1471.6  |      |     |       |     |     |      |    |
|             | DBS   | 00228 | 04.18  | 34.32 | 27.25   |         | 1470.4  |      |     |       |     |     |      |    |
|             | DBS   | 00230 | 04.20  | 34.33 | 27.25   |         | 1470.4  |      |     |       |     |     |      |    |
|             | DBS   | 00234 | 03.53  | 34.29 | 27.25   |         | 1469.8  |      |     |       |     |     |      |    |
|             | DBS   | 00238 | 04.01  | 34.34 | 27.28   |         | 1469.5  |      |     |       |     |     |      |    |
|             | DBS   | 00243 | 03.69  | 34.29 | 27.28   |         | 1468.6  |      |     |       |     |     |      |    |

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REFID 31 0407 YEAR 1974 SOTOP 00078 AIR TEMP 09.4 DIR FGT PER WIND-DIR 05 INST STD RECORDER TEN 50 1307  
 CONSEC 0000 MONTH 10 SHIP IN WET BULB 07.0 04 0 2 WIND-SPD 08 TRACE DIR 0 5 SQUARE 1  
 LAT 43 00 N DAY 15 DATA USE 1 BAROMETER 1030.8 SEA WIND-FGT DURATION 00.2 2 SQUARE 20  
 LONG 080 20 W HOUR 00.3 AREA 08 CLOUD T/A CL/TN WEATHER X1 ORIG A4 03009 1 SQUARE 20

| CASNUM/TIME | LVLTP | DEPTH | TEMP   | SAL   | SIGMA-T | DYADPTH | SAC VEL | QXVE | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|--------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 00.3        | STD   | 00000 | 10.23  | 32.49 | 26.98   | 00.000  | 1468.0  |      |     |       |     |     |      |    |
|             | DBS   | 00000 | 10.23  | 32.49 | 26.98   |         | 1468.0  |      |     |       |     |     |      |    |
|             | DBS   | 00006 | 10.22  | 32.49 | 26.98   |         | 1468.1  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 09.02  | 32.47 | 25.63   | 00.030  | 1466.7  |      |     |       |     |     |      |    |
|             | DBS   | 00010 | 09.02  | 32.47 | 25.63   |         | 1466.7  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 08.34  | 32.73 | 25.86   | 00.068  | 1469.8  |      |     |       |     |     |      |    |
|             | DBS   | 00020 | 08.36  | 32.73 | 25.86   |         | 1469.8  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 06.54  | 32.96 | 26.43   | 00.074  | 1481.2  |      |     |       |     |     |      |    |
|             | DBS   | 00030 | 06.54  | 32.96 | 26.43   |         | 1481.2  |      |     |       |     |     |      |    |
|             | DBS   | 00035 | - 0.10 | 33.07 | 26.58   |         | 1480.5  |      |     |       |     |     |      |    |
|             | DBS   | 00041 | - 0.28 | 33.18 | 26.67   |         | 1486.2  |      |     |       |     |     |      |    |
|             | DBS   | 00048 | - 0.46 | 33.20 | 26.70   |         | 1485.4  |      |     |       |     |     |      |    |
|             | STD   | 00050 | - 0.49 | 33.20 | 26.70   | 00.103  | 1485.4  |      |     |       |     |     |      |    |
|             | DBS   | 00050 | - 0.49 | 33.20 | 26.70   |         | 1485.4  |      |     |       |     |     |      |    |
|             | DBS   | 00054 | - 0.50 | 33.19 | 26.69   |         | 1485.4  |      |     |       |     |     |      |    |

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REFID 31 0407 YEAR 1974 SOTOP 00062 AIR TEMP 06.3 DIR FGT PER WIND-DIR 34 INST STD RECORDER TEN 50 1307  
 CONSEC 0010 MONTH 10 SHIP IN WET BULB 06.4 24 0 2 WIND-SPD 00 TRACE DIR 0 5 SQUARE 1  
 LAT 43 10 N DAY 15 DATA USE 1 BAROMETER 1031.8 SEA WIND-FGT DURATION 00.2 2 SQUARE 20  
 LONG 080 20 W HOUR 01.5 AREA 08 CLOUD T/A CL/TN WEATHER X1 ORIG A4 03010 1 SQUARE 20

| CASNUM/TIME | LVLTP | DEPTH | TEMP  | SAL   | SIGMA-T | DYADPTH | SAC VEL | QXVE | PO4 | TOT P | NO2 | NO3 | SI03 | PH |
|-------------|-------|-------|-------|-------|---------|---------|---------|------|-----|-------|-----|-----|------|----|
| 01.0        | STD   | 00000 | 09.79 | 32.38 | 26.96   | 00.000  | 1466.3  |      |     |       |     |     |      |    |
|             | DBS   | 00000 | 09.79 | 32.38 | 26.96   |         | 1466.3  |      |     |       |     |     |      |    |
|             | STD   | 00010 | 08.61 | 32.43 | 25.20   | 00.025  | 1479.0  |      |     |       |     |     |      |    |
|             | DBS   | 00010 | 08.61 | 32.43 | 25.20   |         | 1479.0  |      |     |       |     |     |      |    |
|             | STD   | 00020 | 02.44 | 32.80 | 26.20   | 00.051  | 1457.5  |      |     |       |     |     |      |    |
|             | DBS   | 00020 | 02.44 | 32.80 | 26.20   |         | 1457.5  |      |     |       |     |     |      |    |
|             | STD   | 00030 | 01.04 | 32.80 | 26.43   | 00.068  | 1464.0  |      |     |       |     |     |      |    |
|             | DBS   | 00030 | 01.04 | 32.80 | 26.43   |         | 1464.0  |      |     |       |     |     |      |    |
|             | DBS   | 00039 | 01.23 | 33.02 | 26.46   |         | 1463.2  |      |     |       |     |     |      |    |
|             | DBS   | 00043 | 01.10 | 33.04 | 26.46   |         | 1462.0  |      |     |       |     |     |      |    |
|             | STD   | 00080 | 00.91 | 33.07 | 26.52   | 00.100  | 1451.0  |      |     |       |     |     |      |    |
|             | DBS   | 00080 | 00.91 | 33.07 | 26.52   |         | 1451.0  |      |     |       |     |     |      |    |

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