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RESEARCH AND DEVELOPMENT TECHNICAL REPORT
ECOM-DR-75-3 - Vol-3

# ATMOSPHERIC WATERDROP SIZE DISTRIBUTION AT CAPISTRANO TEST SITE (CTS) FROM 16 APRIL THROUGH 11 MAY 1974.

## VOLUME III.

Tests CTS-6 through CTS-10.

By

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# NOTICES

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## ABSTRACT

## VOLUME III

Atmospheric waterdrop size distribution was measured by a laser fog nephelometer at Capistrano Test Site, California, from 16 April through 11 May 1974. Liquid water content, extinction coefficient, and visibility were calculated from the data obtained. The nephelometer data were collected from sunset to sunrise nightly for 25 consecutive nights. Fog conditions were recorded on 4 of these nights. A time format of 5-minute samples separated by 5-minute pauses was used. The data are presented in tabular form referenced to channel number (i.e., nominal radius). For comparison, the 64 channels of data were treated in four groups of 16 channels each as well as one group of 64 channels. Volume I contains general narrative and background. Volume II contains tabularized data for CTS-1 through CTS-5, this volume for CTS-6 through 10, Volume IV for CTS-11 through 15, Volume V for CTS-16 through 20, and Volume VI for CTS-21 through 25.


→ This volume contains tabularized data for CTS-6 through CTS-10.


ACCESSION for
NTIS White Section
DDC Buff Section
UNANNOUNCED
JUSTIFICATION
BY
DISTRIBUTION/AVAILABILITY CODES
Dist. AVAIL. and/or SPECIAL
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| 8 | 1-65 | 129 |
| 9 | 1-56 | 194 |
| 10 | 1-64 | 250 |

## CHANNEL NUMBER VERSUS NOMINAL RADIUS (MICRONS)

| CH | RADIUS | CH | RADIUS |
|---|---|---|---|
| 1 | 2.58 | 33 | 25.83 |
| 2 | 2.78 | 34 | 27.75 |
| 3 | 2.98 | 35 | 29.82 |
| 4 | 3.21 | 36 | 32.05 |
| 5 | 3.44 | 37 | 34.44 |
| 6 | 3.70 | 38 | 37.01 |
| 7 | 3.98 | 39 | 39.77 |
| 8 | 4.27 | 40 | 42.74 |
| 9 | 4.59 | 41 | 45.93 |
| 10 | 4.94 | 42 | 49.35 |
| 11 | 5.30 | 43 | 53.03 |
| 12 | 5.70 | 44 | 56.99 |
| 13 | 6.13 | 45 | 61.24 |
| 14 | 6.58 | 46 | 65.81 |
| 15 | 7.07 | 47 | 70.72 |
| 16 | 7.60 | 48 | 75.99 |
| 17 | 8.17 | 49 | 81.66 |
| 18 | 8.78 | 50 | 87.76 |
| 19 | 9.43 | 51 | 94.30 |
| 20 | 10.14 | 52 | 101.34 |
| 21 | 10.89 | 53 | 108.90 |
| 22 | 11.70 | 54 | 117.02 |
| 23 | 12.58 | 55 | 125.75 |
| 24 | 13.52 | 56 | 135.13 |
| 25 | 14.52 | 57 | 145.21 |
| 26 | 15.61 | 58 | 156.05 |
| 27 | 16.77 | 59 | 167.69 |
| 28 | 18.02 | 60 | 180.20 |
| 29 | 19.37 | 61 | 193.64 |
| 30 | 20.81 | 62 | 208.08 |
| 31 | 22.37 | 63 | 223.61 |
| 32 | 24.03 | 64 | 240.29 |

## DATA LOCATION REFERENCE

### Nephelometer Data

Series # Capistrano Test Site (Day of Data Acquisition Sequence), Test # (Sample) For Data Starting (24 hr local time) on (Day/Month/Year).

Data For Channels 1 Thru 16

1 2 3 4 5 6 7 8

9 (Number of droplets counted per channel, i.e., size distribution).

Extinction Coefficient =
Visibility Limit, Upper, Lower =
Liquid Water Content =
} Computed values based on data from channels 1 thru 16

Particle Count = Total number of water droplets counted in channels 1 thru 16

Data For Channels 17 thru 32
33 thru 48
49 thru 64

Same procedure for different channel numbers.

GRAND TOTAL

Sample Volume = Nephelometer sample volume computed values based on data from channels 1 thru 64

Extinction Coefficient =
Visibility Limits =
Liquid Water content =

Particle Count = Total number of water droplets counted in channels 1 thru 64.

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 1
FOR DATA STARTING 20:30 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2248 | 3853 | 2429 | 552 | 149 | 17 | 18 | 11 |
| 20 | 17 | 14 | 13 | 11 | 12 | 15 | 21 |

EXTINCTION COEFFICIENT = .331E-03 PER METER
VISIBILITY LIMIT, UPPER = 11819., LOWER = 9051. METERS
LIQUID WATER CONTENT = .00068 GM/M3
PARTICLE COUNT = 6.27 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | 14 | 6 | 8 | 2 | 2 | 1 | 0 |
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .193E-04 PER METER
VISIBILITY LIMIT, UPPER = 202367., LOWER = 154983. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .350E-03 PER METER
VISIBILITY LIMIT, UPPER = 11167., LOWER = 8552. METERS
LIQUID WATER CONTENT = .00081 GM/M3
PARTICLE COUNT = 6.30 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 2
FOR DATA STARTING 20:40 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2248 | 3872 | 2395 | 468 | 157 | 22 | 15 | 11 |
| 13 | 11 | 18 | 7 | 13 | 8 | 16 | 21 |

EXTINCTION COEFFICIENT = .325E-03 PER METER
VISIBILITY LIMIT, UPPER = 12021., LOWER = 9206. METERS
LIQUID WATER CONTENT = .00066 GM/M3
PARTICLE COUNT = 6.20 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12 | 16 | 5 | 8 | 2 | 2 | 1 | 3 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .211E-04 PER METER
VISIBILITY LIMIT, UPPER =185203., LOWER =141837. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .347E-03 PER METER
VISIBILITY LIMIT, UPPER = 11288., LOWER = 8645. METERS
LIQUID WATER CONTENT = .00081 GM/M3
PARTICLE COUNT = 6.23 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 3
FOR DATA STARTING 20:50 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1801 | 3647 | 1960 | 447 | 111 | 10 | 11 | 9 |
| 16 | 17 | 24 | 8 | 10 | 16 | 13 | 18 |

EXTINCTION COEFFICIENT = .285E-03 PER METER
VISIBILITY LIMIT, UPPER = 13747., LOWER = 10528. METERS
LIQUID WATER CONTENT = .00058 GM/M3
PARTICLE COUNT = 5.41 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 7 | 9 | 1 | 0 | 3 | 0 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .141E-04 PER METER
VISIBILITY LIMIT, UPPER =277518., LOWER =212537. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .301E-03 PER METER
VISIBILITY LIMIT, UPPER = 12977., LOWER = 9938. METERS
LIQUID WATER CONTENT = .00074 GM/M3
PARTICLE COUNT = 5.43 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 4
FOR DATA STARTING 21: 0 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2102 | 3442 | 2160 | 461 | 150 | 12 | 6 | 16 |
| 16 | 21 | 8 | 12 | 14 | 10 | 13 | 12 |

EXTINCTION COEFFICIENT = .296E-03 PER METER
VISIBILITY LIMIT, UPPER = 13226., LOWER = 10129. METERS
LIQUID WATER CONTENT = .00060 GM/M3
PARTICLE COUNT = 5.64 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 11 | 3 | 8 | 1 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .203E-04 PER METER
VISIBILITY LIMIT, UPPER =192824., LOWER =147674. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .316E-03 PER METER
VISIBILITY LIMIT, UPPER = 12377., LOWER = 9479. METERS
LIQUID WATER CONTENT = .00077 GM/M3
PARTICLE COUNT = 5.67 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 5
FOR DATA STARTING 21:10 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2203 | 3631 | 2208 | 463 | 141 | 18 | 8 | 12 |
| 17 | 14 | 13 | 14 | 7 | 14 | 6 | 14 |

EXTINCTION COEFFICIENT = .305E-03 PER METER
VISIBILITY LIMIT, UPPER = 12819., LOWER = 9817. METERS
LIQUID WATER CONTENT = .00061 GM/M3
PARTICLE COUNT = 5.86 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 9 | 6 | 1 | 3 | 0 | 0 | 0 |
| 1 | 2 | 1 | 1 | 0 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .212E-04 PER METER
VISIBILITY LIMIT, UPPER =184254., LOWER =141110. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .326E-03 PER METER
VISIBILITY LIMIT, UPPER = 11985., LOWER = 9179. METERS
LIQUID WATER CONTENT = .00081 GM/M3
PARTICLE COUNT = 5.88 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 6
FOR DATA STARTING 21:20 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2538 | 3636 | 2237 | 491 | 174 | 25 | 2 | 10 |
| 16 | 12 | 10 | 5 | 7 | 11 | 13 | 12 |

EXTINCTION COEFFICIENT = .317E-03 PER METER
VISIBILITY LIMIT, UPPER = 12339., LOWER = 9450. METERS
LIQUID WATER CONTENT = .00063 GM/M3
PARTICLE COUNT = 6.13 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 5 | 9 | 2 | 3 | 1 | 0 | 2 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .163E-04 PER METER
VISIBILITY LIMIT, UPPER =239771., LOWER =183628. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .333E-03 PER METER
VISIBILITY LIMIT, UPPER = 11735., LOWER = 8987. METERS
LIQUID WATER CONTENT = .00076 GM/M3
PARTICLE COUNT = 6.16 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 7
FOR DATA STARTING 21:30 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2267 | 3649 | 2276 | 506 | 131 | 20 | 12 | 15 |
| 12 | 14 | 9 | 6 | 7 | 5 | 5 | 10 |

EXTINCTION COEFFICIENT = .307E-03 PER METER
VISIBILITY LIMIT, UPPER = 12733., LOWER = 9751. METERS
LIQUID WATER CONTENT = .00061 GM/M3
PARTICLE COUNT = 5.96 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 7 | 5 | 6 | 4 | 1 | 2 | 2 |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .193E-04 PER METER
VISIBILITY LIMIT, UPPER =202695., LOWER =155233. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .327E-03 PER METER
VISIBILITY LIMIT, UPPER = 11980., LOWER = 9175. METERS
LIQUID WATER CONTENT = .00075 GM/M3
PARTICLE COUNT = 5.99 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 8
FOR DATA STARTING 21:40 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2364 | 3701 | 2182 | 465 | 133 | 19 | 8 | 17 |
| 5 | 11 | 6 | 10 | 7 | 5 | 7 | 19 |

EXTINCTION COEFFICIENT = .308E-03 PER METER
VISIBILITY LIMIT, UPPER = 12695., LOWER = 9723. METERS
LIQUID WATER CONTENT = .00061 GM/M3
PARTICLE COUNT = 5.97 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 2 | 4 | 1 | 4 | 0 | 2 | 1 |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .135E-04 PER METER
VISIBILITY LIMIT, UPPER =289018., LOWER =221344. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-05 PER METER
VISIBILITY LIMIT, UPPER =1049934, LOWER =804091. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .325E-03 PER METER
VISIBILITY LIMIT, UPPER = 12022., LOWER = 9207. METERS
LIQUID WATER CONTENT = .00079 GM/M3
PARTICLE COUNT = 5.99 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 9
FOR DATA STARTING 21:50 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2111 | 3272 | 1990 | 443 | 130 | 25 | 6 | 19 |
| 9 | 10 | 5 | 7 | 7 | 9 | 15 | 15 |

EXTINCTION COEFFICIENT = .281E-03 PER METER
VISIBILITY LIMIT, UPPER = 13946., LOWER = 10681. METERS
LIQUID WATER CONTENT = .00057 GM/M3
PARTICLE COUNT = 5.38 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | 9 | 2 | 4 | 3 | 1 | 0 | 1 |
| 2 | 0 | 3 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .188E-04 PER METER
VISIBILITY LIMIT, UPPER =207929., LOWER =159242. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-05 PER METER
VISIBILITY LIMIT, UPPER =1049934, LOWER =804091. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .303E-03 PER METER
VISIBILITY LIMIT, UPPER = 12909., LOWER = 9886. METERS
LIQUID WATER CONTENT = .00078 GM/M3
PARTICLE COUNT = 5.41 PER CC

## NEPHELOMETER DATA

SERIES # CTS= 6, TEST # 10
FOR DATA STARTING 22: 0 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2623 | 3780 | 2303 | 472 | 147 | 11 | 4 | 3 |
| 6 | 3 | 5 | 5 | 2 | 6 | 6 | 8 |

EXTINCTION COEFFICIENT = .317E-03 PER METER
VISIBILITY LIMIT, UPPER = 12354., LOWER = 9462, METERS
LIQUID WATER CONTENT = .00062 GM/M3
PARTICLE COUNT = 6.26 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 7 | 1 | 3 | 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .592E-05 PER METER
VISIBILITY LIMIT, UPPER =660700., LOWER =505996, METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .323E-03 PER METER
VISIBILITY LIMIT, UPPER = 12128., LOWER = 9288, METERS
LIQUID WATER CONTENT = .00065 GM/M3
PARTICLE COUNT = 6.27 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 11
FOR DATA STARTING 22:10 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3515 | 4785 | 2732 | 623 | 171 | 10 | 4 | 0 |
| 3 | 4 | 0 | 1 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .392E-03 PER METER
VISIBILITY LIMIT, UPPER = 9985., LOWER = 7647. METERS
LIQUID WATER CONTENT = .00074 GM/M3
PARTICLE COUNT = 7.90 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .151E-05 PER METER
VISIBILITY LIMIT, UPPER =2589667, LOWER =1983293 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .393E-03 PER METER
VISIBILITY LIMIT, UPPER = 9947., LOWER = 7618. METERS
LIQUID WATER CONTENT = .00075 GM/M3
PARTICLE COUNT = 7.90 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 12
FOR DATA STARTING 22:20 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6267 | 9134 | 4902 | 1056 | 291 | 6 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .713E-03 PER METER
VISIBILITY LIMIT, UPPER = 5486., LOWER = 4201. METERS
LIQUID WATER CONTENT = .00134 GM/M3
PARTICLE COUNT = 14.44 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .173E-05 PER METER
VISIBILITY LIMIT, UPPER =2256783, LOWER =1728354 METERS
LIQUID WATER CONTENT = .00002 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .718E-03 PER METER
VISIBILITY LIMIT, UPPER = 5451., LOWER = 4175. METERS
LIQUID WATER CONTENT = .00141 GM/M3
PARTICLE COUNT = 14.44 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 13
FOR DATA STARTING 22:30 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7331 | 11159 | 6006 | 1253 | 349 | 17 | 0 | 0 |
| 3 | 1 | 0 | 0 | 0 | 1 | 1 | 1 |

EXTINCTION COEFFICIENT = .862E-03 PER METER
VISIBILITY LIMIT, UPPER = 4537., LOWER = 3474. METERS
LIQUID WATER CONTENT = .00163 GM/M3
PARTICLE COUNT = 17.41 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .141E-05 PER METER
VISIBILITY LIMIT, UPPER =2783835, LOWER =2131996 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .864E-03 PER METER
VISIBILITY LIMIT, UPPER = 4529., LOWER = 3469. METERS
LIQUID WATER CONTENT = .00164 GM/M3
PARTICLE COUNT = 17.42 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 14
FOR DATA STARTING 22:40 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7592 | 11690 | 6428 | 1449 | 327 | 17 | 2 | 1 |
| 1 | 1 | 0 | 0 | 1 | 2 | 1 | 1 |

EXTINCTION COEFFICIENT = .910E-03 PER METER
VISIBILITY LIMIT, UPPER = 4298., LOWER = 3292. METERS
LIQUID WATER CONTENT = .00172 GM/M3
PARTICLE COUNT = 18.34 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 0 | 0 | 1 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .776E-05 PER METER
VISIBILITY LIMIT, UPPER =504190., LOWER =386133. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .918E-03 PER METER
VISIBILITY LIMIT, UPPER = 4262., LOWER = 3264. METERS
LIQUID WATER CONTENT = .00180 GM/M3
PARTICLE COUNT = 18.35 PER CC

## NEPHELOMETER DATA

### SERIES # CTS- 6, TEST # 15
### FOR DATA STARTING 22:50 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12048 | 20835 | 11694 | 2624 | 594 | 25 | 2 | 0 |
| 7 | 4 | 0 | 0 | 3 | 1 | 2 | 1 |

EXTINCTION COEFFICIENT = .159E-02 PER METER
VISIBILITY LIMIT, UPPER = 2458., LOWER = 1882. METERS
LIQUID WATER CONTENT = .00301 GM/M3
PARTICLE COUNT = 31.89 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 2 | 4 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .602E-05 PER METER
VISIBILITY LIMIT, UPPER =649908., LOWER =497732. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .131E-04 PER METER
VISIBILITY LIMIT, UPPER =297593., LOWER =227911. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .161E-02 PER METER
VISIBILITY LIMIT, UPPER = 2429., LOWER = 1860. METERS
LIQUID WATER CONTENT = .00337 GM/M3
PARTICLE COUNT = 31.99 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 16
FOR DATA STARTING 23: 0 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17810 | 33828 | 18714 | 4160 | 829 | 17 | 04 | 04 |
| 07 | 03 | 04 | 01 | 02 | 05 | 04 | 05 |

EXTINCTION COEFFICIENT = .251E-02 PER METER
VISIBILITY LIMIT, UPPER = 1556., LOWER = 1192. METERS
LIQUID WATER CONTENT = .00477 GM/M3
PARTICLE COUNT = 50.26 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 3 | 1 | 1 | 2 | 4 | 0 |
| 2 | 0 | 1 | 3 | 0 | 2 | 1 | 2 |

EXTINCTION COEFFICIENT = .249E-04 PER METER
VISIBILITY LIMIT, UPPER =156984., LOWER =120226. METERS
LIQUID WATER CONTENT = .00029 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 1 | 0 | 0 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .228E-04 PER METER
VISIBILITY LIMIT, UPPER =171348., LOWER =131227. METERS
LIQUID WATER CONTENT = .00059 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .256E-02 PER METER
VISIBILITY LIMIT, UPPER = 1527., LOWER = 1169. METERS
LIQUID WATER CONTENT = .00565 GM/M3
PARTICLE COUNT = 50.29 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 17
FOR DATA STARTING 23:10 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9042 | 15241 | 8618 | 1837 | 439 | 11 | 3 | 2 |
| 1 | 2 | 1 | 0 | 3 | 3 | 2 | 2 |

EXTINCTION COEFFICIENT = .117E-02 PER METER
VISIBILITY LIMIT, UPPER = 3343., LOWER = 2560. METERS
LIQUID WATER CONTENT = .00222 GM/M3
PARTICLE COUNT = 23.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 1 | 2 | 3 | 1 | 1 | 2 | 1 |
| 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .100E-04 PER METER
VISIBILITY LIMIT, UPPER =391177., LOWER =299582. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .118E-02 PER METER
VISIBILITY LIMIT, UPPER = 3306., LOWER = 2532. METERS
LIQUID WATER CONTENT = .00236 GM/M3
PARTICLE COUNT = 23.48 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 18
FOR DATA STARTING 23:20 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8090 | 13863 | 8155 | 1691 | 420 | 17 | 9 | 11 |
| 13 | 10 | 16 | 11 | 15 | 16 | 9 | 12 |

EXTINCTION COEFFICIENT = .109E-02 PER METER
VISIBILITY LIMIT, UPPER = 3591., LOWER = 2750. METERS
LIQUID WATER CONTENT = .00210 GM/M3
PARTICLE COUNT = 21.57 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 11 | 19 | 6 | 8 | 5 | 3 | 1 |
| 1 | 1 | 0 | 1 | 0 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .357E-04 PER METER
VISIBILITY LIMIT, UPPER =109534., LOWER = 83886. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = .05 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-04 PER METER
VISIBILITY LIMIT, UPPER =378948., LOWER =290216. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .114E-02 PER METER
VISIBILITY LIMIT, UPPER = 3446., LOWER = 2639. METERS
LIQUID WATER CONTENT = .00260 GM/M3
PARTICLE COUNT = 21.62 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 19
FOR DATA STARTING 23:30 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6458 | 11298 | 6812 | 1468 | 380 | 31 | 18 | 15 |
| 18 | 10 | 14 | 11 | 12 | 24 | 15 | 26 |

EXTINCTION COEFFICIENT = .907E-03 PER METER
VISIBILITY LIMIT, UPPER = 4314., LOWER = 3304. METERS
LIQUID WATER CONTENT = .00177 GM/M3
PARTICLE COUNT = 17.74 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 23 | 23 | 32 | 19 | 11 | 3 | 4 |
| 3 | 1 | 4 | 1 | 2 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .700E-04 PER METER
VISIBILITY LIMIT, UPPER = 55865., LOWER = 42784. METERS
LIQUID WATER CONTENT = .00055 GM/M3
PARTICLE COUNT = .10 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .981E-03 PER METER
VISIBILITY LIMIT, UPPER = 3987., LOWER = 3054. METERS
LIQUID WATER CONTENT = .00242 GM/M3
PARTICLE COUNT = 17.84 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 20
FOR DATA STARTING 23:40 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4673 | 8043 | 4986 | 985 | 265 | 30 | 32 | 34 |
| 67 | 26 | 16 | 24 | 16 | 22 | 38 | 46 |

EXTINCTION COEFFICIENT = .677E-03 PER METER
VISIBILITY LIMIT, UPPER = 5774., LOWER = 4422. METERS
LIQUID WATER CONTENT = .00138 GM/M3
PARTICLE COUNT = 12.87 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 42 | 36 | 25 | 28 | 15 | 8 | 4 | 6 |
| 6 | 1 | 2 | 2 | 2 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .828E-04 PER METER
VISIBILITY LIMIT, UPPER = 47252., LOWER = 36188. METERS
LIQUID WATER CONTENT = .00065 GM/M3
PARTICLE COUNT = .12 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-04 PER METER
VISIBILITY LIMIT, UPPER =378948., LOWER =290216. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .771E-03 PER METER
VISIBILITY LIMIT, UPPER = 5077., LOWER = 3888. METERS
LIQUID WATER CONTENT = .00223 GM/M3
PARTICLE COUNT = 12.99 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 21
FOR DATA STARTING 23150 ON 21/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4431 | 7383 | 4595 | 953 | 285 | 19 | 14 | 13 |
| 19 | 16 | 11 | 13 | 13 | 16 | 25 | 12 |

EXTINCTION COEFFICIENT = .611E-03 PER METER
VISIBILITY LIMIT, UPPER = 6401., LOWER = 4902. METERS
LIQUID WATER CONTENT = .00121 GM/M3
PARTICLE COUNT = 11.88 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19 | 14 | 17 | 9 | 5 | 3 | 5 | 1 |
| 2 | 2 | 1 | 0 | 2 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .425E-04 PER METER
VISIBILITY LIMIT, UPPER = 92140., LOWER = 70565. METERS
LIQUID WATER CONTENT = .00037 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .656E-03 PER METER
VISIBILITY LIMIT, UPPER = 5960., LOWER = 4564. METERS
LIQUID WATER CONTENT = .00162 GM/M3
PARTICLE COUNT = 11.93 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 22
FOR DATA STARTING 0: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4478 | 7388 | 4323 | 880 | 223 | 17 | 18 | 15 |
| 25 | 15 | 25 | 10 | 11 | 10 | 15 | 13 |

EXTINCTION COEFFICIENT = .595E-03 PER METER
VISIBILITY LIMIT, UPPER = 6575., LOWER = 5035. METERS
LIQUID WATER CONTENT = .00117 GM/M3
PARTICLE COUNT = 11.64 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | 13 | 16 | 8 | 6 | 2 | 2 | 0 |
| 2 | 0 | 3 | 3 | 1 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .370E-04 PER METER
VISIBILITY LIMIT, UPPER =105611., LOWER = 80882. METERS
LIQUID WATER CONTENT = .00033 GM/M3
PARTICLE COUNT = .05 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .632E-03 PER METER
VISIBILITY LIMIT, UPPER = 6190., LOWER = 4740. METERS
LIQUID WATER CONTENT = .00150 GM/M3
PARTICLE COUNT = 11.69 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 23
FOR DATA STARTING 0110 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4037 | 7100 | 4241 | 915 | 215 | 28 | 25 | 10 |
| 12 | 16 | 10 | 16 | 15 | 28 | .26 | 22 |

EXTINCTION COEFFICIENT = .577E-03 PER METER
VISIBILITY LIMIT, UPPER = 6785., LOWER = 5196. METERS
LIQUID WATER CONTENT = .00115 GM/M3
PARTICLE COUNT = 11.13 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 25 | 16 | 20 | 10 | 11 | 10 | 0 | 1 |
| 1 | 2 | 2 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .446E-04 PER METER
VISIBILITY LIMIT, UPPER = 87681., LOWER = 67151. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = .07 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .621E-03 PER METER
VISIBILITY LIMIT, UPPER = 6297., LOWER = 4823. METERS
LIQUID WATER CONTENT = .00149 GM/M3
PARTICLE COUNT = 11.20 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 24
FOR DATA STARTING 0120 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4815 | 8404 | 5042 | 1050 | 291 | 20 | 9 | 6 |
| 13 | 13 | 10 | 13 | 6 | 13 | 17 | 23 |

EXTINCTION COEFFICIENT = .674E-03 PER METER
VISIBILITY LIMIT, UPPER = 5808., LOWER = 4448. METERS
LIQUID WATER CONTENT = .00132 GM/M3
PARTICLE COUNT = 13.16 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 13 | 9 | 12 | 8 | 4 | 4 | 2 |
| 2 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .332E-04 PER METER
VISIBILITY LIMIT, UPPER =117702., LOWER = 90142. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .05 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .707E-03 PER METER
VISIBILITY LIMIT, UPPER = 5535., LOWER = 4239. METERS
LIQUID WATER CONTENT = .00157 GM/M3
PARTICLE COUNT = 13.21 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 25
FOR DATA STARTING 0:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4539 | 7629 | 4671 | 979 | 298 | 33 | 18 | 21 |
| 26 | 25 | 21 | 10 | 19 | 19 | 25 | 42 |

EXTINCTION COEFFICIENT = .639E-03 PER METER
VISIBILITY LIMIT, UPPER = 6118., LOWER = 4685. METERS
LIQUID WATER CONTENT = .00129 GM/M3
PARTICLE COUNT = 12.25 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21 | 27 | 19 | 21 | 12 | 7 | 7 | 2 |
| 4 | 2 | 1 | 3 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .577E-04 PER METER
VISIBILITY LIMIT, UPPER = 67813., LOWER = 51935. METERS
LIQUID WATER CONTENT = .00043 GM/M3
PARTICLE COUNT = .08 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .710E-05 PER METER
VISIBILITY LIMIT, UPPER =551239., LOWER =422166. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .704E-03 PER METER
VISIBILITY LIMIT, UPPER = 5555., LOWER = 4254. METERS
LIQUID WATER CONTENT = .00186 GM/M3
PARTICLE COUNT = 12.34 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 26
FOR DATA STARTING 0:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3551 | 5721 | 3418 | 667 | 205 | 25 | 24 | 22 |
| 34 | 22 | 17 | 15 | 14 | 10 | 28 | 25 |

EXTINCTION COEFFICIENT = .480E-03 PER METER
VISIBILITY LIMIT, UPPER = 8147., LOWER = 6239. METERS
LIQUID WATER CONTENT = .00097 GM/M3
PARTICLE COUNT = 9.20 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 14 | 27 | 16 | 4 | 4 | 0 | 2 |
| 4 | 1 | 2 | 1 | 1 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .452E-04 PER METER
VISIBILITY LIMIT, UPPER = 86498., LOWER = 66244. METERS
LIQUID WATER CONTENT = .00037 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .525E-03 PER METER
VISIBILITY LIMIT, UPPER = 7445., LOWER = 5702. METERS
LIQUID WATER CONTENT = .00134 GM/M3
PARTICLE COUNT = 9.26 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 27
FOR DATA STARTING 0150 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2487 | 3950 | 2416 | 511 | 149 | 19 | 12 | 12 |
| 17 | 13 | 11 | 13 | 10 | 16 | 15 | 22 |

EXTINCTION COEFFICIENT = .338E-03 PER METER
VISIBILITY LIMIT, UPPER = 11569., LOWER = 8860. METERS
LIQUID WATER CONTENT = .00069 GM/M3
PARTICLE COUNT = 6.45 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 18 | 11 | 3 | 8 | 3 | 1 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .233E-04 PER METER
VISIBILITY LIMIT, UPPER =168198., LOWER =128814. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .361E-03 PER METER
VISIBILITY LIMIT, UPPER = 10825., LOWER = 8290. METERS
LIQUID WATER CONTENT = .00084 GM/M3
PARTICLE COUNT = 6.49 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 28
FOR DATA STARTING 11 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1883 | 2956 | 1912 | 412 | 99 | 14 | 16 | 14 |
| 19 | 21 | 18 | 4 | 4 | 9 | 6 | 13 |

EXTINCTION COEFFICIENT = .258E-03 PER METER
VISIBILITY LIMIT, UPPER = 15158., LOWER = 11609. METERS
LIQUID WATER CONTENT = .00052 GM/M3
PARTICLE COUNT = 4.93 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 7 | 7 | 7 | 5 | 3 | 3 | 2 |
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .220E-04 PER METER
VISIBILITY LIMIT, UPPER =177604., LOWER =136018. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .280E-03 PER METER
VISIBILITY LIMIT, UPPER = 13966., LOWER = 10696. METERS
LIQUID WATER CONTENT = .00068 GM/M3
PARTICLE COUNT = 4.97 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 29
FOR DATA STARTING 1:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1738 | 2646 | 1669 | 372 | 103 | 17 | 6 | 15 |
| 17 | 17 | 13 | 9 | 12 | 8 | 10 | 9 |

EXTINCTION COEFFICIENT = .233E-03 PER METER
VISIBILITY LIMIT, UPPER = 16755., LOWER = 12832. METERS
LIQUID WATER CONTENT = .00047 GM/M3
PARTICLE COUNT = 4.44 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 10 | 9 | 7 | 7 | 2 | 0 | 0 |
| 1 | 2 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .249E-04 PER METER
VISIBILITY LIMIT, UPPER =157179., LOWER =120375. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .263E-03 PER METER
VISIBILITY LIMIT, UPPER = 14893., LOWER = 11406. METERS
LIQUID WATER CONTENT = .00076 GM/M3
PARTICLE COUNT = 4.48 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 30
FOR DATA STARTING 1:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1599 | 2280 | 1354 | 309 | 85 | 13 | 6 | 7 |
| 12 | 14 | 8 | 10 | 6 | 4 | 6 | 11 |

EXTINCTION COEFFICIENT = .198E-03 PER METER
VISIBILITY LIMIT, UPPER = 19722., LOWER = 15104. METERS
LIQUID WATER CONTENT = .00040 GM/M3
PARTICLE COUNT = 3.82 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 10 | 5 | 3 | 3 | 1 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .134E-04 PER METER
VISIBILITY LIMIT, UPPER =292382., LOWER =223920. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .212E-03 PER METER
VISIBILITY LIMIT, UPPER = 18475., LOWER = 14149. METERS
LIQUID WATER CONTENT = .00049 GM/M3
PARTICLE COUNT = 3.84 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 31
FOR DATA STARTING 1:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 998 | 1459 | 947 | 197 | 56 | 14 | 7 | 5 |
| 9 | 17 | 13 | 9 | 9 | 6 | 1 | 11 |

EXTINCTION COEFFICIENT = .134E-03 PER METER
VISIBILITY LIMIT, UPPER = 29221., LOWER = 22379. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = 2.51 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12 | 9 | 5 | 1 | 1 | 2 | 1 | 1 |
| 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .155E-04 PER METER
VISIBILITY LIMIT, UPPER =252364., LOWER =193272. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .152E-03 PER METER
VISIBILITY LIMIT, UPPER = 25708., LOWER = 19688. METERS
LIQUID WATER CONTENT = .00045 GM/M3
PARTICLE COUNT = 2.53 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 32
FOR DATA STARTING 1:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 857 | 1208 | 783 | 143 | 68 | 10 | 5 | 4 |
| 5 | 6 | 8 | 6 | 6 | 6 | 7 | 5 |

EXTINCTION COEFFICIENT = .110E-03 PER METER
VISIBILITY LIMIT, UPPER = 35431., LOWER = 27135. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 2.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 7 | 1 | 3 | 1 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .716E-05 PER METER
VISIBILITY LIMIT, UPPER =546644., LOWER =418646. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .118E-03 PER METER
VISIBILITY LIMIT, UPPER = 33275., LOWER = 25483. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 2.10 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 33
FOR DATA STARTING 1:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 984 | 1307 | 831 | 195 | 50 | 13 | 2 | 9 |
| 5 | 6 | 9 | 4 | 2 | 7 | 7 | 11 |

EXTINCTION COEFFICIENT = .121E-03 PER METER
VISIBILITY LIMIT, UPPER = 32198., LOWER = 24659. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 2.29 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 8 | 4 | 4 | 2 | 1 | 2 | 1 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .133E-04 PER METER
VISIBILITY LIMIT, UPPER =293513., LOWER =224786. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .135E-03 PER METER
VISIBILITY LIMIT, UPPER = 29015., LOWER = 22221. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = 2.31 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 34
FOR DATA STARTING 21 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 905 | 1449 | 928 | 198 | 64 | 6 | 4 | 3 |
| 4 | 6 | 9 | 2 | 4 | 2 | 4 | 5 |

EXTINCTION COEFFICIENT = .125E-03 PER METER
VISIBILITY LIMIT, UPPER = 31409., LOWER = 24055. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 2.40 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 3 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .607E-05 PER METER
VISIBILITY LIMIT, UPPER =644495., LOWER =493586. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .157E-03 PER METER
VISIBILITY LIMIT, UPPER = 24907., LOWER = 19075. METERS
LIQUID WATER CONTENT = .02028 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .288E-03 PER METER
VISIBILITY LIMIT, UPPER = 13598., LOWER = 10414. METERS
LIQUID WATER CONTENT = .02058 GM/M3
PARTICLE COUNT = 2.40 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 35
FOR DATA STARTING 2:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2670 | 3663 | 2017 | 420 | 112 | 8 | 3 | 1 |
| 1 | 4 | 0 | 2 | 1 | 6 | 0 | 1 |

EXTINCTION COEFFICIENT = .295E-03 PER METER
VISIBILITY LIMIT, UPPER = 13274., LOWER = 10166. METERS
LIQUID WATER CONTENT = .00056 GM/M3
PARTICLE COUNT = 5.94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 3 | 1 | 1 | 2 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .365E-05 PER METER
VISIBILITY LIMIT, UPPER =1072115, LOWER =821078. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .298E-03 PER METER
VISIBILITY LIMIT, UPPER = 13112., LOWER = 10042. METERS
LIQUID WATER CONTENT = .00059 GM/M3
PARTICLE COUNT = 5.94 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 36
FOR DATA STARTING 2:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3634 | 4913 | 2717 | 598 | 130 | 10 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .394E-03 PER METER
VISIBILITY LIMIT, UPPER = 9921., LOWER = 7598. METERS
LIQUID WATER CONTENT = .00074 GM/M3
PARTICLE COUNT = 8.00 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-06 PER METER
VISIBILITY LIMIT, UPPER =$$$$$$$, LOWER =$$$$$$$ METERS
LIQUID WATER CONTENT = .00000 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .395E-03 PER METER
VISIBILITY LIMIT, UPPER = 9914., LOWER = 7593. METERS
LIQUID WATER CONTENT = .00074 GM/M3
PARTICLE COUNT = 8.00 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 37
FOR DATA STARTING 2:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 33592 | 52900 | 24790 | 2893 | 468 | 84 | 88 | 95 |
| 110 | 155 | 144 | 181 | 191 | 216 | 179 | 204 |

EXTINCTION COEFFICIENT = .396E-02 PER METER
VISIBILITY LIMIT, UPPER = 988., LOWER = 757. METERS
LIQUID WATER CONTENT = .00794 GM/M3
PARTICLE COUNT = 77.53 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 144 | 190 | 146 | 111 | 92 | 79 | 70 | 82 |
| 76 | 69 | 62 | 51 | 80 | 70 | 73 | 68 |

EXTINCTION COEFFICIENT = .125E-02 PER METER
VISIBILITY LIMIT, UPPER = 3119., LOWER = 2389. METERS
LIQUID WATER CONTENT = .01422 GM/M3
PARTICLE COUNT = .98 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 85 | 75 | 89 | 89 | 85 | 100 | 105 | 96 |
| 95 | 70 | 56 | 37 | 17 | 10 | 12 | 2 |

EXTINCTION COEFFICIENT = .709E-02 PER METER
VISIBILITY LIMIT, UPPER = 552., LOWER = 423. METERS
LIQUID WATER CONTENT = .21137 GM/M3
PARTICLE COUNT = .68 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .931E-04 PER METER
VISIBILITY LIMIT, UPPER = 42010., LOWER = 32173. METERS
LIQUID WATER CONTENT = .00538 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .124E-01 PER METER
VISIBILITY LIMIT, UPPER = 316., LOWER = 242. METERS
LIQUID WATER CONTENT = .23892 GM/M3
PARTICLE COUNT = 79.19 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 38
FOR DATA STARTING 2:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 54180 | 97616 | 47096 | 3939 | 590 | 239 | 257 | 311 |
| 349 | 458 | 500 | 627 | 679 | 708 | 697 | .661 |

EXTINCTION COEFFICIENT = .744E-02 PER METER
VISIBILITY LIMIT, UPPER = 526., LOWER = 403. METERS
LIQUID WATER CONTENT = .01579 GM/M3
PARTICLE COUNT = 139.27 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 644 | 586 | 512 | 489 | 399 | 327 | 262 | 235 |
| 232 | 217 | 208 | 205 | 168 | 228 | 234 | 222 |

EXTINCTION COEFFICIENT = .417E-02 PER METER
VISIBILITY LIMIT, UPPER = 939., LOWER = 719. METERS
LIQUID WATER CONTENT = .04614 GM/M3
PARTICLE COUNT = 3.45 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 240 | 264 | 315 | 292 | 292 | 288 | 318 | 282 |
| 237 | 169 | 117 | 84 | 34 | 20 | 11 | 4 |

EXTINCTION COEFFICIENT = .189E-01 PER METER
VISIBILITY LIMIT, UPPER = 207., LOWER = 159. METERS
LIQUID WATER CONTENT = .53538 GM/M3
PARTICLE COUNT = 1.98 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .559E-04 PER METER
VISIBILITY LIMIT, UPPER = 70020., LOWER = 53625. METERS
LIQUID WATER CONTENT = .00304 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .305E-01 PER METER
VISIBILITY LIMIT, UPPER = 128., LOWER = 98. METERS
LIQUID WATER CONTENT = .60035 GM/M3
PARTICLE COUNT = 144.70 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 39
FOR DATA STARTING 2150 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 24722 | 60545 | 36685 | 5063 | 926 | 256 | 330 | 413 |
| 605 | 907 | 1043 | 1226 | 1352 | 1397 | 1318 | 1168 |

EXTINCTION COEFFICIENT = .581E-02 PER METER
VISIBILITY LIMIT, UPPER = 674., LOWER = 516. METERS
LIQUID WATER CONTENT = .01454 GM/M3
PARTICLE COUNT = 91.97 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1101 | 999 | 879 | 709 | 548 | 430 | 316 | 271 |
| 277 | 260 | 289 | 258 | 228 | 253 | 308 | 269 |

EXTINCTION COEFFICIENT = .551E-02 PER METER
VISIBILITY LIMIT, UPPER = 709., LOWER = 543. METERS
LIQUID WATER CONTENT = .05942 GM/M3
PARTICLE COUNT = 4.93 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 289 | 298 | 293 | 317 | 279 | 296 | 280 | 236 |
| 175 | 137 | 91 | 46 | 22 | 12 | 7 | 1 |

EXTINCTION COEFFICIENT = .163E-01 PER METER
VISIBILITY LIMIT, UPPER = 239., LOWER = 183. METERS
LIQUID WATER CONTENT = .44371 GM/M3
PARTICLE COUNT = 1.85 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .931E-04 PER METER
VISIBILITY LIMIT, UPPER = 42010., LOWER = 32173. METERS
LIQUID WATER CONTENT = .00538 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .278E-01 PER METER
VISIBILITY LIMIT, UPPER = 141., LOWER = 108. METERS
LIQUID WATER CONTENT = .52304 GM/M3
PARTICLE COUNT = 98.76 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 40
FOR DATA STARTING 3: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21272 | 52241 | 31904 | 4464 | 797 | 240 | 279 | 394 |
| 564 | 824 | 968 | 1082 | 1197 | 1097 | 1037 | 896 |

EXTINCTION COEFFICIENT = .498E-02 PER METER
VISIBILITY LIMIT, UPPER = 785., LOWER = 601. METERS
LIQUID WATER CONTENT = .01234 GM/M3
PARTICLE COUNT = 79.50 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 862 | 860 | 807 | 733 | 684 | 526 | 469 | 441 |
| 458 | 434 | 462 | 385 | 332 | 252 | 224 | 201 |

EXTINCTION COEFFICIENT = .628E-02 PER METER
VISIBILITY LIMIT, UPPER = 623., LOWER = 477. METERS
LIQUID WATER CONTENT = .06621 GM/M3
PARTICLE COUNT = 5.42 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 194 | 161 | 178 | 148 | 147 | 170 | 143 | 161 |
| 167 | 106 | 89 | 77 | 38 | 25 | 12 | 6 |

EXTINCTION COEFFICIENT = .123E-01 PER METER
VISIBILITY LIMIT, UPPER = 317., LOWER = 243. METERS
LIQUID WATER CONTENT = .36789 GM/M3
PARTICLE COUNT = 1.21 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .144E-03 PER METER
VISIBILITY LIMIT, UPPER = 27167., LOWER = 20806. METERS
LIQUID WATER CONTENT = .00797 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .237E-01 PER METER
VISIBILITY LIMIT, UPPER = 165., LOWER = 126. METERS
LIQUID WATER CONTENT = .45441 GM/M3
PARTICLE COUNT = 86.14 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 41
FOR DATA STARTING 3:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2148 | 3489 | 2211 | 438 | 113 | 23 | 15 | 11 |
| 20 | 19 | 14 | 11 | 6 | 9 | 9 | 12 |

EXTINCTION COEFFICIENT = .297E-03 PER METER
VISIBILITY LIMIT, UPPER = 13174., LOWER = 10089. METERS
LIQUID WATER CONTENT = .00060 GM/M3
PARTICLE COUNT = 5.70 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | 11 | 9 | 8 | 3 | 2 | 0 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .194E-04 PER METER
VISIBILITY LIMIT, UPPER =201797., LOWER =154546. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .320E-03 PER METER
VISIBILITY LIMIT, UPPER = 12242., LOWER = 9376. METERS
LIQUID WATER CONTENT = .00078 GM/M3
PARTICLE COUNT = 5.73 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 42
FOR DATA STARTING 3:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2545 | 4247 | 2652 | 546 | 146 | 23 | 10 | 19 |
| 27 | 11 | 11 | 2 | 3 | 5 | 11 | 17 |

EXTINCTION COEFFICIENT = .354E-03 PER METER
VISIBILITY LIMIT, UPPER = 11045., LOWER = 8459. METERS
LIQUID WATER CONTENT = .00070 GM/M3
PARTICLE COUNT = 6.85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 10 | 7 | 4 | 3 | 2 | 2 | 2 |
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .200E-04 PER METER
VISIBILITY LIMIT, UPPER =196088., LOWER =150174. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .374E-03 PER METER
VISIBILITY LIMIT, UPPER = 10456., LOWER = 8008. METERS
LIQUID WATER CONTENT = .00085 GM/M3
PARTICLE COUNT = 6.88 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 43
FOR DATA STARTING 3:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 41208 | 76552 | 38773 | 3706 | 513 | 215 | 220 | 320 |
| 395 | 500 | 505 | 654 | 640 | 647 | 666 | 599 |

EXTINCTION COEFFICIENT = .604E-02 PER METER
VISIBILITY LIMIT, UPPER = 647., LOWER = 496. METERS
LIQUID WATER CONTENT = .01311 GM/M3
PARTICLE COUNT = 110.74 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 488 | 466 | 408 | 366 | 364 | 339 | 309 | 301 |
| 343 | 367 | 380 | 365 | 357 | 354 | 328 | 358 |

EXTINCTION COEFFICIENT = .579E-02 PER METER
VISIBILITY LIMIT, UPPER = 676., LOWER = 518. METERS
LIQUID WATER CONTENT = .06836 GM/M3
PARTICLE COUNT = 3.93 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 334 | 348 | 341 | 291 | 281 | 211 | 187 | 147 |
| 124 | 74 | 60 | 40 | 40 | 13 | 18 | 4 |

EXTINCTION COEFFICIENT = .140E-01 PER METER
VISIBILITY LIMIT, UPPER = 280., LOWER = 214. METERS
LIQUID WATER CONTENT = .37841 GM/M3
PARTICLE COUNT = 1.68 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .881E-04 PER METER
VISIBILITY LIMIT, UPPER = 44390., LOWER = 33996. METERS
LIQUID WATER CONTENT = .00493 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .259E-01 PER METER
VISIBILITY LIMIT, UPPER = 151., LOWER = 116. METERS
LIQUID WATER CONTENT = .45481 GM/M3
PARTICLE COUNT = 116.35 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 44
FOR DATA STARTING 3:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37193 | 65910 | 32822 | 3527 | 586 | 237 | 307 | 325 |
| 440 | 535 | 652 | 744 | 792 | 888 | 964 | 942 |

EXTINCTION COEFFICIENT = .562E-02 PER METER
VISIBILITY LIMIT, UPPER = 696., LOWER = 533. METERS
LIQUID WATER CONTENT = .01299 GM/M3
PARTICLE COUNT = 97.91 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 755 | 677 | 659 | 588 | 454 | 327 | 213 | 164 |
| 140 | 121 | 115 | 114 | 91 | 89 | 86 | 97 |

EXTINCTION COEFFICIENT = .287E-02 PER METER
VISIBILITY LIMIT, UPPER = 1365., LOWER = 1046. METERS
LIQUID WATER CONTENT = .02750 GM/M3
PARTICLE COUNT = 3.13 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 107 | 91 | 79 | 94 | 83 | 107 | 99 | 100 |
| 78 | 93 | 91 | 90 | 81 | 41 | 43 | 27 |

EXTINCTION COEFFICIENT = .112E-01 PER METER
VISIBILITY LIMIT, UPPER = 348., LOWER = 266. METERS
LIQUID WATER CONTENT = .38576 GM/M3
PARTICLE COUNT = .87 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 8 | 3 | 4 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .101E-02 PER METER
VISIBILITY LIMIT, UPPER = 3871., LOWER = 2965. METERS
LIQUID WATER CONTENT = .06017 GM/M3
PARTICLE COUNT = .02 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .207E-01 PER METER
VISIBILITY LIMIT, UPPER = 189., LOWER = 144. METERS
LIQUID WATER CONTENT = .48642 GM/M3
PARTICLE COUNT = 101.93 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 45
FOR DATA STARTING 3:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 37225 | 74771 | 38560 | 3340 | 577 | 374 | 427 | 541 |
| 725 | 887 | 1076 | 1232 | 1419 | 1375 | 1439 | 1356 |

EXTINCTION COEFFICIENT = .671E-02 PER METER
VISIBILITY LIMIT, UPPER = 583., LOWER = 447. METERS
LIQUID WATER CONTENT = .01641 GM/M3
PARTICLE COUNT = 110.22 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1180 | 1071 | 1018 | 992 | 775 | 594 | 477 | 385 |
| 346 | 326 | 311 | 375 | 312 | 290 | 301 | 314 |

EXTINCTION COEFFICIENT = .674E-02 PER METER
VISIBILITY LIMIT, UPPER = 580., LOWER = 444. METERS
LIQUID WATER CONTENT = .07171 GM/M3
PARTICLE COUNT = 6.04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 307 | 272 | 233 | 262 | 243 | 218 | 186 | 196 |
| 159 | 144 | 136 | 121 | 111 | 107 | 75 | 36 |

EXTINCTION COEFFICIENT = .212E-01 PER METER
VISIBILITY LIMIT, UPPER = 185., LOWER = 142. METERS
LIQUID WATER CONTENT = .69142 GM/M3
PARTICLE COUNT = 1.87 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21 | 10 | 3 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .102E-02 PER METER
VISIBILITY LIMIT, UPPER = 3832., LOWER = 2934. METERS
LIQUID WATER CONTENT = .05784 GM/M3
PARTICLE COUNT = .02 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .356E-01 PER METER
VISIBILITY LIMIT, UPPER = 110., LOWER = 84. METERS
LIQUID WATER CONTENT = .83738 GM/M3
PARTICLE COUNT = 118.15 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 46
FOR DATA STARTING 4: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 28322 | 56685 | 30451 | 3401 | 588 | 264 | 334 | 424 |
| 558 | 725 | 900 | 1000 | 1049 | 1196 | 1187 | 1136 |

EXTINCTION COEFFICIENT = .527E-02 PER METER
VISIBILITY LIMIT, UPPER = 742., LOWER = 568. METERS
LIQUID WATER CONTENT = .01306 GM/M3
PARTICLE COUNT = 85.48 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 883 | 809 | 741 | 551 | 485 | 353 | 255 | 207 |
| 200 | 204 | 263 | 238 | 234 | 230 | 223 | 238 |

EXTINCTION COEFFICIENT = .464E-02 PER METER
VISIBILITY LIMIT, UPPER = 843., LOWER = 646. METERS
LIQUID WATER CONTENT = .05035 GM/M3
PARTICLE COUNT = 4.08 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 260 | 213 | 256 | 236 | 227 | 250 | 187 | 203 |
| 186 | 145 | 113 | 82 | 49 | 22 | 9 | 9 |

EXTINCTION COEFFICIENT = .159E-01 PER METER
VISIBILITY LIMIT, UPPER = 246., LOWER = 189. METERS
LIQUID WATER CONTENT = .46156 GM/M3
PARTICLE COUNT = 1.63 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-04 PER METER
VISIBILITY LIMIT, UPPER =140040., LOWER =107249. METERS
LIQUID WATER CONTENT = .00152 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .258E-01 PER METER
VISIBILITY LIMIT, UPPER = 151., LOWER = 116. METERS
LIQUID WATER CONTENT = .52649 GM/M3
PARTICLE COUNT = 91.19 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 47
FOR DATA STARTING 4:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 32679 | 68772 | 36019 | 3180 | 569 | 347 | 409 | 547 |
| 725 | 1052 | 1200 | 1445 | 1524 | 1736 | 1779 | 1666 |

EXTINCTION COEFFICIENT = .657E-02 PER METER
VISIBILITY LIMIT, UPPER = 595., LOWER = 456. METERS
LIQUID WATER CONTENT = .01691 GM/M3
PARTICLE COUNT = 102.43 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1329 | 1271 | 963 | 878 | 739 | 545 | 386 | 353 |
| 276 | 278 | 239 | 242 | 248 | 255 | 317 | 307 |

EXTINCTION COEFFICIENT = .612E-02 PER METER
VISIBILITY LIMIT, UPPER = 639., LOWER = 489. METERS
LIQUID WATER CONTENT = .06460 GM/M3
PARTICLE COUNT = 5.75 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 309 | 324 | 348 | 370 | 366 | 378 | 352 | 325 |
| 268 | 216 | 155 | 130 | 60 | 42 | 19 | 7 |

EXTINCTION COEFFICIENT = .240E-01 PER METER
VISIBILITY LIMIT, UPPER = 163., LOWER = 125. METERS
LIQUID WATER CONTENT = .69795 GM/M3
PARTICLE COUNT = 2.45 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .559E-04 PER METER
VISIBILITY LIMIT, UPPER = 70020., LOWER = 53625. METERS
LIQUID WATER CONTENT = .00304 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .368E-01 PER METER
VISIBILITY LIMIT, UPPER = 106., LOWER = 81. METERS
LIQUID WATER CONTENT = .78250 GM/M3
PARTICLE COUNT = 110.63 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 48
FOR DATA STARTING 4:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 42804 | 83332 | 42478 | 3545 | 573 | 327 | 387 | 432 |
| 590 | 742 | 850 | 1048 | 1151 | 1200 | 1211 | 1085 |

EXTINCTION COEFFICIENT = .701E-02 PER METER
VISIBILITY LIMIT, UPPER = 558., LOWER = 427. METERS
LIQUID WATER CONTENT = .01632 GM/M3
PARTICLE COUNT = 121.17 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1003 | 978 | 835 | 823 | 685 | 551 | 434 | 370 |
| 341 | 326 | 284 | 265 | 292 | 334 | 320 | 388 |

EXTINCTION COEFFICIENT = .649E-02 PER METER
VISIBILITY LIMIT, UPPER = 603., LOWER = 461. METERS
LIQUID WATER CONTENT = .07146 GM/M3
PARTICLE COUNT = 5.49 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 353 | 367 | 355 | 346 | 343 | 323 | 281 | 284 |
| 270 | 225 | 213 | 181 | 144 | 108 | 68 | 19 |

EXTINCTION COEFFICIENT = .283E-01 PER METER
VISIBILITY LIMIT, UPPER = 138., LOWER = 106. METERS
LIQUID WATER CONTENT = .89272 GM/M3
PARTICLE COUNT = 2.59 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .362E-03 PER METER
VISIBILITY LIMIT, UPPER = 10812., LOWER = 8280. METERS
LIQUID WATER CONTENT = .02054 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .422E-01 PER METER
VISIBILITY LIMIT, UPPER = 93., LOWER = 71. METERS
LIQUID WATER CONTENT = 1.00103 GM/M3
PARTICLE COUNT = 129.25 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 49
FOR DATA STARTING 4:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 43203 | 84067 | 42056 | 3324 | 530 | 369 | 372 | 487 |
| 587 | 777 | 965 | 1114 | 1197 | 1250 | 1314 | 1259 |

EXTINCTION COEFFICIENT = .713E-02 PER METER
VISIBILITY LIMIT, UPPER = 548., LOWER = 420. METERS
LIQUID WATER CONTENT = .01682 GM/M3
PARTICLE COUNT = 121.91 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1946 | 1013 | 923 | 881 | 708 | 558 | 465 | 429 |
| 380 | 313 | 333 | 329 | 315 | 315 | 312 | 347 |

EXTINCTION COEFFICIENT = .671E-02 PER METER
VISIBILITY LIMIT, UPPER = 583., LOWER = 447. METERS
LIQUID WATER CONTENT = .07269 GM/M3
PARTICLE COUNT = 5.76 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 369 | 338 | 346 | 293 | 303 | 304 | 263 | 233 |
| 245 | 195 | 162 | 167 | 121 | 91 | 66 | 31 |

EXTINCTION COEFFICIENT = .255E-01 PER METER
VISIBILITY LIMIT, UPPER = 154., LOWER = 118. METERS
LIQUID WATER CONTENT = .80382 GM/M3
PARTICLE COUNT = 2.35 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 3 | 4 | 3 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .598E-03 PER METER
VISIBILITY LIMIT, UPPER = 6538., LOWER = 5007. METERS
LIQUID WATER CONTENT = .03591 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .399E-01 PER METER
VISIBILITY LIMIT, UPPER = 98., LOWER = 75. METERS
LIQUID WATER CONTENT = .92925 GM/M3
PARTICLE COUNT = 130.06 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 50
FOR DATA STARTING 4:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16753 | 27789 | 15867 | 2538 | 492 | 114 | 114 | 121 |
| 202 | 229 | 286 | 307 | 335 | 365 | 403 | 397 |

EXTINCTION COEFFICIENT = .253E-02 PER METER
VISIBILITY LIMIT, UPPER = 1546., LOWER = 1184. METERS
LIQUID WATER CONTENT = .00580 GM/M3
PARTICLE COUNT = 44.21 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 372 | 438 | 424 | 470 | 461 | 405 | 286 | 239 |
| 169 | 165 | 111 | 96 | 73 | 55 | 40 | 48 |

EXTINCTION COEFFICIENT = .243E-02 PER METER
VISIBILITY LIMIT, UPPER = 1608., LOWER = 1231. METERS
LIQUID WATER CONTENT = .02268 GM/M3
PARTICLE COUNT = 2.57 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 51 | 35 | 49 | 54 | 64 | 44 | 50 | 42 |
| 23 | 30 | 24 | 25 | 11 | 13 | 18 | 6 |

EXTINCTION COEFFICIENT = .396E-02 PER METER
VISIBILITY LIMIT, UPPER = 989., LOWER = 757. METERS
LIQUID WATER CONTENT = .12635 GM/M3
PARTICLE COUNT = .36 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .144E-03 PER METER
VISIBILITY LIMIT, UPPER = 27167., LOWER = 20806. METERS
LIQUID WATER CONTENT = .00797 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .906E-02 PER METER
VISIBILITY LIMIT, UPPER = 432., LOWER = 331. METERS
LIQUID WATER CONTENT = .16279 GM/M3
PARTICLE COUNT = 47.14 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 51
FOR DATA STARTING 4:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 22954 | 44157 | 25241 | 3697 | 698 | 152 | 200 | 252 |
| 297 | 434 | 526 | 566 | 583 | 634 | 630 | 611 |

EXTINCTION COEFFICIENT = .394E-02 PER METER
VISIBILITY LIMIT, UPPER = 993., LOWER = 761. METERS
LIQUID WATER CONTENT = .00914 GM/M3
PARTICLE COUNT = 67.75 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 612 | 571 | 615 | 716 | 762 | 729 | 609 | 516 |
| 500 | 468 | 487 | 422 | 318 | 194 | 140 | 146 |

EXTINCTION COEFFICIENT = .605E-02 PER METER
VISIBILITY LIMIT, UPPER = 646., LOWER = 495. METERS
LIQUID WATER CONTENT = .06243 GM/M3
PARTICLE COUNT = 5.20 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 109 | 103 | 94 | 95 | 113 | 99 | 101 | 76 |
| 92 | 67 | 55 | 62 | 40 | 33 | 33 | 13 |

EXTINCTION COEFFICIENT = .900E-02 PER METER
VISIBILITY LIMIT, UPPER = 435., LOWER = 333. METERS
LIQUID WATER CONTENT = .29108 GM/M3
PARTICLE COUNT = .79 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 1 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .530E-03 PER METER
VISIBILITY LIMIT, UPPER = 7387., LOWER = 5658. METERS
LIQUID WATER CONTENT = .03063 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .195E-01 PER METER
VISIBILITY LIMIT, UPPER = 200., LOWER = 153. METERS
LIQUID WATER CONTENT = .39327 GM/M3
PARTICLE COUNT = 73.76 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 52
FOR DATA STARTING 5: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12597 | 24567 | 15005 | 2769 | 550 | 80 | 90 | 133 |
| 185 | 241 | 232 | 291 | 294 | 302 | 296 | 285 |

EXTINCTION COEFFICIENT = .221E-02 PER METER
VISIBILITY LIMIT, UPPER = 1769., LOWER = 1355. METERS
LIQUID WATER CONTENT = .00501 GM/M3
PARTICLE COUNT = 38.61 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 282 | 241 | 241 | 220 | 183 | 176 | 107 | 98 |
| 73 | 84 | 73 | 63 | 51 | 46 | 54 | 55 |

EXTINCTION COEFFICIENT = .141E-02 PER METER
VISIBILITY LIMIT, UPPER = 2773., LOWER = 2124. METERS
LIQUID WATER CONTENT = .01433 GM/M3
PARTICLE COUNT = 1.36 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 41 | 41 | 40 | 44 | 31 | 55 | 40 | 43 |
| 41 | 38 | 29 | 22 | 19 | 10 | 8 | 3 |

EXTINCTION COEFFICIENT = .376E-02 PER METER
VISIBILITY LIMIT, UPPER = 1041., LOWER = 797. METERS
LIQUID WATER CONTENT = .11817 GM/M3
PARTICLE COUNT = .34 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .838E-04 PER METER
VISIBILITY LIMIT, UPPER = 46680., LOWER = 35750. METERS
LIQUID WATER CONTENT = .00456 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .747E-02 PER METER
VISIBILITY LIMIT, UPPER = 524., LOWER = 401. METERS
LIQUID WATER CONTENT = .14207 GM/M3
PARTICLE COUNT = 40.31 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 53
FOR DATA STARTING 5:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4903 | 9084 | 5516 | 1145 | 241 | 35 | 26 | 50 |
| 52 | 39 | 32 | 32 | 32 | 27 | 32 | 31 |

EXTINCTION COEFFICIENT = .746E-03 PER METER
VISIBILITY LIMIT, UPPER = 5247., LOWER = 4018. METERS
LIQUID WATER CONTENT = .00151 GM/M3
PARTICLE COUNT = 14.18 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 12 | 17 | 7 | 7 | 2 | 4 | 1 |
| 1 | 2 | 0 | 1 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .318E-04 PER METER
VISIBILITY LIMIT, UPPER =122883., LOWER = 94110. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = .05 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .777E-03 PER METER
VISIBILITY LIMIT, UPPER = 5032., LOWER = 3854. METERS
LIQUID WATER CONTENT = .00175 GM/M3
PARTICLE COUNT = 14.23 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 54
FOR DATA STARTING 5:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21764 | 35144 | 18726 | 2833 | 605 | 167 | 185 | 240 |
| 275 | 332 | 334 | 343 | 365 | 438 | 570 | 574 |

EXTINCTION COEFFICIENT = .317E-02 PER METER
VISIBILITY LIMIT, UPPER = 1233., LOWER = 944. METERS
LIQUID WATER CONTENT = .00733 GM/M3
PARTICLE COUNT = 55.26 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 575 | 622 | 804 | 931 | 1091 | 929 | 669 | 500 |
| 375 | 326 | 306 | 210 | 188 | 126 | 75 | 47 |

EXTINCTION COEFFICIENT = .507E-02 PER METER
VISIBILITY LIMIT, UPPER = 772., LOWER = 591. METERS
LIQUID WATER CONTENT = .04719 GM/M3
PARTICLE COUNT = 5.18 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 51 | 37 | 38 | 33 | 38 | 20 | 32 | 15 |
| 24 | 21 | 16 | 16 | 12 | 8 | 2 | 1 |

EXTINCTION COEFFICIENT = .241E-02 PER METER
VISIBILITY LIMIT, UPPER = 1625., LOWER = 1244. METERS
LIQUID WATER CONTENT = .07231 GM/M3
PARTICLE COUNT = .24 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-03 PER METER
VISIBILITY LIMIT, UPPER = 37904., LOWER = 29028. METERS
LIQUID WATER CONTENT = .00631 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .108E-01 PER METER
VISIBILITY LIMIT, UPPER = 364., LOWER = 279. METERS
LIQUID WATER CONTENT = .13314 GM/M3
PARTICLE COUNT = 60.69 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 55
FOR DATA STARTING 5:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20741 | 41737 | 24814 | 3830 | 674 | 207 | 247 | 328 |
| 450 | 494 | 545 | 577 | 546 | 591 | 593 | 609 |

EXTINCTION COEFFICIENT = .380E-02 PER METER
VISIBILITY LIMIT, UPPER = 1029., LOWER = 788. METERS
LIQUID WATER CONTENT = .00887 GM/M3
PARTICLE COUNT = 64.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 537 | 622 | 694 | 771 | 907 | 882 | 706 | 566 |
| 527 | 572 | 537 | 434 | 386 | 221 | 154 | 132 |

EXTINCTION COEFFICIENT = .672E-02 PER METER
VISIBILITY LIMIT, UPPER = 582., LOWER = 446. METERS
LIQUID WATER CONTENT = .06899 GM/M3
PARTICLE COUNT = 5.77 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 100 | 87 | 90 | 59 | 76 | 78 | 58 | 61 |
| 66 | 45 | 44 | 26 | 32 | 21 | 7 | 4 |

EXTINCTION COEFFICIENT = .581E-02 PER METER
VISIBILITY LIMIT, UPPER = 673., LOWER = 515. METERS
LIQUID WATER CONTENT = .17745 GM/M3
PARTICLE COUNT = .57 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 2 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .272E-03 PER METER
VISIBILITY LIMIT, UPPER = 14356., LOWER = 10995. METERS
LIQUID WATER CONTENT = .01663 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .166E-01 PER METER
VISIBILITY LIMIT, UPPER = 236., LOWER = 180. METERS
LIQUID WATER CONTENT = .27194 GM/M3
PARTICLE COUNT = 70.99 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 56
FOR DATA STARTING 5:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20727 | 42792 | 25449 | 3794 | 706 | 215 | 256 | 300 |
| 406 | 449 | 513 | 559 | 557 | 612 | 585 | 546 |

EXTINCTION COEFFICIENT = .383E-02 PER METER
VISIBILITY LIMIT, UPPER = 1021., LOWER = 782. METERS
LIQUID WATER CONTENT = .00887 GM/M3
PARTICLE COUNT = 65.65 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 494 | 482 | 469 | 498 | 520 | 489 | 408 | 358 |
| 308 | 333 | 338 | 322 | 277 | 206 | 151 | 139 |

EXTINCTION COEFFICIENT = .468E-02 PER METER
VISIBILITY LIMIT, UPPER = 837., LOWER = 641. METERS
LIQUID WATER CONTENT = .04982 GM/M3
PARTICLE COUNT = 3.86 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 102 | 89 | 80 | 76 | 69 | 76 | 75 | 72 |
| 61 | 56 | 48 | 46 | 28 | 25 | 18 | 14 |

EXTINCTION COEFFICIENT = .693E-02 PER METER
VISIBILITY LIMIT, UPPER = 564., LOWER = 432. METERS
LIQUID WATER CONTENT = .22249 GM/M3
PARTICLE COUNT = .62 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 2 | 4 | 3 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .594E-03 PER METER
VISIBILITY LIMIT, UPPER = 6586., LOWER = 5044. METERS
LIQUID WATER CONTENT = .03555 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .160E-01 PER METER
VISIBILITY LIMIT, UPPER = 244., LOWER = 187. METERS
LIQUID WATER CONTENT = .31672 GM/M3
PARTICLE COUNT = 70.14 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 57
FOR DATA STARTING 5:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 24744 | 47721 | 26102 | 3396 | 639 | 237 | 279 | 315 |
| 468 | 499 | 647 | 744 | 823 | 806 | 836 | 816 |

EXTINCTION COEFFICIENT = .436E-02 PER METER
VISIBILITY LIMIT, UPPER = 898., LOWER = 688. METERS
LIQUID WATER CONTENT = .01046 GM/M3
PARTICLE COUNT = 72.71 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 694 | 630 | 673 | 550 | 561 | 439 | 354 | 284 |
| 281 | 244 | 286 | 270 | 208 | 164 | 117 | 122 |

EXTINCTION COEFFICIENT = .423E-02 PER METER
VISIBILITY LIMIT, UPPER = 924., LOWER = 708. METERS
LIQUID WATER CONTENT = .04325 GM/M3
PARTICLE COUNT = 3.92 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 131 | 108 | 98 | 72 | 78 | 79 | 89 | 76 |
| 79 | 68 | 63 | 64 | 55 | 34 | 26 | 22 |

EXTINCTION COEFFICIENT = .896E-02 PER METER
VISIBILITY LIMIT, UPPER = 436., LOWER = 334. METERS
LIQUID WATER CONTENT = .29741 GM/M3
PARTICLE COUNT = .76 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 5 | 2 | 3 | 2 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .941E-03 PER METER
VISIBILITY LIMIT, UPPER = 4159., LOWER = 3185. METERS
LIQUID WATER CONTENT = .05734 GM/M3
PARTICLE COUNT = .02 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .185E-01 PER METER
VISIBILITY LIMIT, UPPER = 212., LOWER = 162. METERS
LIQUID WATER CONTENT = .40846 GM/M3
PARTICLE COUNT = 77.41 PER CC

NEPHELOMETER DATA

SERIES # CTS= 6, TEST # 58
FOR DATA STARTING 61 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 39348 | 73966 | 37302 | 3292 | 578 | 307 | 382 | 450 |
| 625 | 756 | 989 | 1072 | 1161 | 1198 | 1298 | 1169 |

EXTINCTION COEFFICIENT = .647E-02 PER METER
VISIBILITY LIMIT, UPPER = 604., LOWER = 463. METERS
LIQUID WATER CONTENT = .01545 GM/M3
PARTICLE COUNT = 109.26 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1014 | 964 | 821 | 788 | 636 | 531 | 428 | 338 |
| 323 | 346 | 367 | 398 | 386 | 324 | 319 | 288 |

EXTINCTION COEFFICIENT = .657E-02 PER METER
VISIBILITY LIMIT, UPPER = 595., LOWER = 456. METERS
LIQUID WATER CONTENT = .07186 GM/M3
PARTICLE COUNT = 5.51 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 254 | 235 | 197 | 180 | 137 | 157 | 147 | 129 |
| 108 | 115 | 91 | 91 | 75 | 57 | 38 | 29 |

EXTINCTION COEFFICIENT = .147E-01 PER METER
VISIBILITY LIMIT, UPPER = 267., LOWER = 204. METERS
LIQUID WATER CONTENT = .46849 GM/M3
PARTICLE COUNT = 1.36 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 12 | 2 | 1 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .100E-02 PER METER
VISIBILITY LIMIT, UPPER = 3907., LOWER = 2992. METERS
LIQUID WATER CONTENT = .05818 GM/M3
PARTICLE COUNT = .02 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .287E-01 PER METER
VISIBILITY LIMIT, UPPER = 136., LOWER = 104. METERS
LIQUID WATER CONTENT = .61398 GM/M3
PARTICLE COUNT = 116.15 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 59
FOR DATA STARTING 6110 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16942 | 33832 | 19580 | 3029 | 662 | 159 | 186 | 294 |
| 372 | 560 | 666 | 733 | 811 | 785 | 709 | 598 |

EXTINCTION COEFFICIENT = .333E-02 PER METER
VISIBILITY LIMIT, UPPER = 1173., LOWER = 899. METERS
LIQUID WATER CONTENT = .00829 GM/M3
PARTICLE COUNT = 53.28 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 572 | 536 | 483 | 415 | 382 | 315 | 199 | 206 |
| 177 | 181 | 178 | 184 | 195 | 151 | 182 | 195 |

EXTINCTION COEFFICIENT = .359E-02 PER METER
VISIBILITY LIMIT, UPPER = 1091., LOWER = 835. METERS
LIQUID WATER CONTENT = .03933 GM/M3
PARTICLE COUNT = 3.03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 204 | 215 | 200 | 159 | 173 | 128 | 121 | 105 |
| 95 | 75 | 54 | 45 | 32 | 20 | 16 | 3 |

EXTINCTION COEFFICIENT = .100E-01 PER METER
VISIBILITY LIMIT, UPPER = 390., LOWER = 299. METERS
LIQUID WATER CONTENT = .28663 GM/M3
PARTICLE COUNT = 1.10 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .112E-03 PER METER
VISIBILITY LIMIT, UPPER = 35010., LOWER = 26812. METERS
LIQUID WATER CONTENT = .00608 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .171E-01 PER METER
VISIBILITY LIMIT, UPPER = 229., LOWER = 176. METERS
LIQUID WATER CONTENT = .34033 GM/M3
PARTICLE COUNT = 57.41 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 60
FOR DATA STARTING 6:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19826 | 48247 | 30417 | 6639 | 1285 | 220 | 265 | 396 |
| 542 | 693 | 774 | 808 | 769 | 728 | 768 | 769 |

EXTINCTION COEFFICIENT = .458E-02 PER METER
VISIBILITY LIMIT, UPPER = 855., LOWER = 655. METERS
LIQUID WATER CONTENT = .01091 GM/M3
PARTICLE COUNT = 75.43 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 627 | 574 | 535 | 496 | 463 | 409 | 305 | 279 |
| 245 | 186 | 226 | 191 | 186 | 171 | 168 | 138 |

EXTINCTION COEFFICIENT = .387E-02 PER METER
VISIBILITY LIMIT, UPPER = 1010., LOWER = 773. METERS
LIQUID WATER CONTENT = .04071 GM/M3
PARTICLE COUNT = 3.47 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 160 | 165 | 156 | 154 | 136 | 139 | 116 | 99 |
| 88 | 64 | 57 | 37 | 27 | 14 | 7 | 4 |

EXTINCTION COEFFICIENT = .875E-02 PER METER
VISIBILITY LIMIT, UPPER = 447., LOWER = 342. METERS
LIQUID WATER CONTENT = .24884 GM/M3
PARTICLE COUNT = .95 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .102E-03 PER METER
VISIBILITY LIMIT, UPPER = 38441., LOWER = 29440. METERS
LIQUID WATER CONTENT = .00612 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .173E-01 PER METER
VISIBILITY LIMIT, UPPER = 226., LOWER = 173. METERS
LIQUID WATER CONTENT = .30657 GM/M3
PARTICLE COUNT = 79.85 PER CC

NEPHELOMETER DATA

SERIES # CTS- 6, TEST # 61
FOR DATA STARTING 6130 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 33895 | 154502 | 198350 | 13402 | 3531 | 1961 | 1468 | 1513 |
| 1907 | 2096 | 2000 | 1649 | 1251 | 1002 | 883 | 863 |

EXTINCTION COEFFICIENT = .160E-01 PER METER
VISIBILITY LIMIT, UPPER = 244., LOWER = 187. METERS
LIQUID WATER CONTENT = .03451 GM/M3
PARTICLE COUNT = 280.18 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 712 | 547 | 568 | 537 | 465 | 448 | 336 | 306 |
| 245 | 255 | 225 | 196 | 173 | 139 | 128 | 115 |

EXTINCTION COEFFICIENT = .384E-02 PER METER
VISIBILITY LIMIT, UPPER = 1018., LOWER = 780. METERS
LIQUID WATER CONTENT = .03911 GM/M3
PARTICLE COUNT = 3.60 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 122 | 93 | 104 | 94 | 133 | 100 | 105 | 102 |
| 94 | 75 | 53 | 37 | 23 | 14 | 4 | 7 |

EXTINCTION COEFFICIENT = .774E-02 PER METER
VISIBILITY LIMIT, UPPER = 506., LOWER = 387. METERS
LIQUID WATER CONTENT = .22800 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-04 PER METER
VISIBILITY LIMIT, UPPER =140040., LOWER =107249. METERS
LIQUID WATER CONTENT = .00152 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .276E-01 PER METER
VISIBILITY LIMIT, UPPER = 142., LOWER = 108. METERS
LIQUID WATER CONTENT = .30314 GM/M3
PARTICLE COUNT = 284.55 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 1
FOR DATA STARTING 20:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1127 | 22242 | 12797 | 3164 | 915 | 64 | 2 | 2 |
| 0 | 2 | 2 | 0 | 0 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .141E-02 PER METER
VISIBILITY LIMIT, UPPER = 2768., LOWER = 2120. METERS
LIQUID WATER CONTENT = .00274 GM/M3
PARTICLE COUNT = 26.88 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .114E-05 PER METER
VISIBILITY LIMIT, UPPER =3437799, LOWER =2632834 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .994E-05 PER METER
VISIBILITY LIMIT, UPPER =393681., LOWER =301500. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 9 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .142E-02 PER METER
VISIBILITY LIMIT, UPPER = 2747., LOWER = 2104. METERS
LIQUID WATER CONTENT = .00298 GM/M3
PARTICLE COUNT = 26.88 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 2
FOR DATA STARTING 20:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1786 | 21817 | 12304 | 2801 | 841 | 49 | 12 | 21 |
| 34 | 24 | 11 | 12 | 7 | 13 | 9 | 11 |

EXTINCTION COEFFICIENT = .140E-02 PER METER
VISIBILITY LIMIT, UPPER = 2801., LOWER = 2145. METERS
LIQUID WATER CONTENT = .00273 GM/M3
PARTICLE COUNT = 26.50 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 1 | 0 | 0 | 0 | 2 | 2 |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .760E-05 PER METER
VISIBILITY LIMIT, UPPER =514645., LOWER =394140. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .141E-02 PER METER
VISIBILITY LIMIT, UPPER = 2777., LOWER = 2127. METERS
LIQUID WATER CONTENT = .00290 GM/M3
PARTICLE COUNT = 26.51 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 3
FOR DATA STARTING 20:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1302 | 13817 | 8743 | 1994 | 589 | 86 | 95 | 131 |
| 156 | 153 | 98 | 43 | 37 | 23 | 37 | 32 |

EXTINCTION COEFFICIENT = .102E-02 PER METER
VISIBILITY LIMIT, UPPER = 3847., LOWER = 2946. METERS
LIQUID WATER CONTENT = .00212 GM/M3
PARTICLE COUNT = 18.22 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 13 | 8 | 5 | 4 | 1 | 3 | 4 |
| 1 | 2 | 1 | 1 | 2 | 0 | 2 | 1 |

EXTINCTION COEFFICIENT = .366E-04 PER METER
VISIBILITY LIMIT, UPPER =106803., LOWER = 81795. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 1 | 1 | 2 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .269E-04 PER METER
VISIBILITY LIMIT, UPPER =145268., LOWER =111253. METERS
LIQUID WATER CONTENT = .00060 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .108E-02 PER METER
VISIBILITY LIMIT, UPPER = 3620., LOWER = 2773. METERS
LIQUID WATER CONTENT = .00306 GM/M3
PARTICLE COUNT = 18.27 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 4
FOR DATA STARTING 20:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3588 | 18437 | 11368 | 2419 | 667 | 136 | 122 | 147 |
| 187 | 175 | 120 | 87 | 62 | 70 | 92 | 78 |

EXTINCTION COEFFICIENT = .140E-02 PER METER
VISIBILITY LIMIT, UPPER = 2785., LOWER = 2133. METERS
LIQUID WATER CONTENT = .00297 GM/M3
PARTICLE COUNT = 25.17 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 72 | 20 | 20 | 13 | 8 | 7 | 2 | 4 |
| 0 | 2 | 1 | 1 | 0 | 1 | 1 | 1 |

EXTINCTION COEFFICIENT = .629E-04 PER METER
VISIBILITY LIMIT, UPPER = 62180., LOWER = 47620. METERS
LIQUID WATER CONTENT = .00048 GM/M3
PARTICLE COUNT = .10 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .147E-02 PER METER
VISIBILITY LIMIT, UPPER = 2666., LOWER = 2041. METERS
LIQUID WATER CONTENT = .00345 GM/M3
PARTICLE COUNT = 25.27 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 5
FOR DATA STARTING 20:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2908 | 16321 | 9945 | 2135 | 599 | 89 | 65 | 85 |
| 86 | 96 | 59 | 26 | 44 | 37 | 46 | 45 |

EXTINCTION COEFFICIENT = .118E-02 PER METER
VISIBILITY LIMIT, UPPER = 3319., LOWER = 2542. METERS
LIQUID WATER CONTENT = .00241 GM/M3
PARTICLE COUNT = 21.72 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | 13 | 9 | 6 | 3 | 3 | 1 | 1 |
| 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .260E-04 PER METER
VISIBILITY LIMIT, UPPER =150432., LOWER =115209. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .120E-02 PER METER
VISIBILITY LIMIT, UPPER = 3248., LOWER = 2487. METERS
LIQUID WATER CONTENT = .00259 GM/M3
PARTICLE COUNT = 21.77 PER CC

NEPHELOMETER DATA

SERIES # CTS= 7, TEST # 6
FOR DATA STARTING 21: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1874 | 16444 | 9554 | 2134 | 577 | 96 | 84 | 110 |
| 150 | 135 | 100 | 57 | 52 | 60 | 65 | 56 |

EXTINCTION COEFFICIENT = .117E-02 PER METER
VISIBILITY LIMIT, UPPER = 3337., LOWER = 2556. METERS
LIQUID WATER CONTENT = .00247 GM/M3
PARTICLE COUNT = 21.03 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 38 | 28 | 12 | 5 | 3 | 3 | 3 | 0 |
| 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .350E-04 PER METER
VISIBILITY LIMIT, UPPER =111641., LOWER = 85500. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .883E-05 PER METER
VISIBILITY LIMIT, UPPER =442792., LOWER =339112. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .122E-02 PER METER
VISIBILITY LIMIT, UPPER = 3217., LOWER = 2464. METERS
LIQUID WATER CONTENT = .00297 GM/M3
PARTICLE COUNT = 21.10 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 7
FOR DATA STARTING 21:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1664 | 18002 | 9915 | 2200 | 632 | 81 | 61 | 73 |
| 100 | 89 | 53 | 46 | 57 | 35 | 63 | 47 |

EXTINCTION COEFFICIENT = .121E-02 PER METER
VISIBILITY LIMIT, UPPER = 3239., LOWER = 2480. METERS
LIQUID WATER CONTENT = .00249 GM/M3
PARTICLE COUNT = 22.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 29 | 17 | 15 | 5 | 6 | 3 | 3 | 1 |
| 2 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .345E-04 PER METER
VISIBILITY LIMIT, UPPER =113531., LOWER = 86948. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .853E-05 PER METER
VISIBILITY LIMIT, UPPER =458532., LOWER =351166. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .125E-02 PER METER
VISIBILITY LIMIT, UPPER = 3127., LOWER = 2395. METERS
LIQUID WATER CONTENT = .00293 GM/M3
PARTICLE COUNT = 22.14 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 8
FOR DATA STARTING 21:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1176 | 14200 | 8026 | 1792 | 551 | 74 | 70 | 59 |
| 105 | 95 | 75 | 49 | 25 | 39 | 42 | 38 |

EXTINCTION COEFFICIENT = .972E-03 PER METER
VISIBILITY LIMIT, UPPER = 4025., LOWER = 3083. METERS
LIQUID WATER CONTENT = .00202 GM/M3
PARTICLE COUNT = 17.61 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 26 | 15 | 11 | 6 | 8 | 3 | 0 | 0 |
| 1 | 1 | 4 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .327E-04 PER METER
VISIBILITY LIMIT, UPPER =119723., LOWER = 91689. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .05 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .100E-02 PER METER
VISIBILITY LIMIT, UPPER = 3894., LOWER = 2982. METERS
LIQUID WATER CONTENT = .00226 GM/M3
PARTICLE COUNT = 17.66 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 9
FOR DATA STARTING 21:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1029 | 11446 | 6424 | 1410 | 416 | 63 | 58 | 74 |
| 80 | 86 | 41 | 29 | 20 | 19 | 14 | 22 |

EXTINCTION COEFFICIENT = .772E-03 PER METER
VISIBILITY LIMIT, UPPER = 5069., LOWER = 3882. METERS
LIQUID WATER CONTENT = .00157 GM/M3
PARTICLE COUNT = 14.15 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 7 | 5 | 6 | 2 | 2 | 1 | 1 |
| 0 | 2 | 1 | 0 | 3 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .221E-04 PER METER
VISIBILITY LIMIT, UPPER =176850., LOWER =135440. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .794E-03 PER METER
VISIBILITY LIMIT, UPPER = 4928., LOWER = 3774. METERS
LIQUID WATER CONTENT = .00176 GM/M3
PARTICLE COUNT = 14.18 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 10
FOR DATA STARTING 21:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1104 | 11406 | 6498 | 1440 | 414 | 68 | 47 | 55 |
| 58 | 57 | 47 | 21 | 18 | 17 | 18 | 20 |

EXTINCTION COEFFICIENT = .769E-03 PER METER
VISIBILITY LIMIT, UPPER = 5087., LOWER = 3896. METERS
LIQUID WATER CONTENT = .00156 GM/M3
PARTICLE COUNT = 14.19 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 6 | 6 | 6 | 2 | 1 | 1 | 0 |
| 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .207E-04 PER METER
VISIBILITY LIMIT, UPPER =188869., LOWER =144645. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .790E-03 PER METER
VISIBILITY LIMIT, UPPER = 4954., LOWER = 3794. METERS
LIQUID WATER CONTENT = .00174 GM/M3
PARTICLE COUNT = 14.22 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 11
FOR DATA STARTING 21:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1486 | 12557 | 7093 | 1566 | 429 | 54 | 31 | 43 |
| 53 | 36 | 37 | 28 | 20 | 16 | 20 | 20 |

EXTINCTION COEFFICIENT = .840E-03 PER METER
VISIBILITY LIMIT, UPPER = 4657., LOWER = 3566. METERS
LIQUID WATER CONTENT = .00169 GM/M3
PARTICLE COUNT = 15.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 3 | 10 | 2 | 3 | 0 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .125E-04 PER METER
VISIBILITY LIMIT, UPPER =313109., LOWER =239794. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .855E-03 PER METER
VISIBILITY LIMIT, UPPER = 4573., LOWER = 3503. METERS
LIQUID WATER CONTENT = .00183 GM/M3
PARTICLE COUNT = 15.68 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 12
FOR DATA STARTING 22: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3312 | 18436 | 9800 | 2048 | 576 | 53 | 17 | 21 |
| 33 | 23 | 27 | 24 | 22 | 18 | 24 | 16 |

EXTINCTION COEFFICIENT = .120E-02 PER METER
VISIBILITY LIMIT, UPPER = 3252., LOWER = 2491. METERS
LIQUID WATER CONTENT = .00237 GM/M3
PARTICLE COUNT = 22.97 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16 | 2 | 3 | 3 | 2 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .139E-04 PER METER
VISIBILITY LIMIT, UPPER =280439., LOWER =214774. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .122E-02 PER METER
VISIBILITY LIMIT, UPPER = 3215., LOWER = 2462. METERS
LIQUID WATER CONTENT = .00249 GM/M3
PARTICLE COUNT = 22.99 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 13
FOR DATA STARTING 22:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2648 | 20089 | 10140 | 2251 | 575 | 31 | 11 | 11 |
| 15 | 24 | 19 | 9 | 15 | 9 | 13 | 13 |

EXTINCTION COEFFICIENT = .125E-02 PER METER
VISIBILITY LIMIT, UPPER = 3139., LOWER = 2404. METERS
LIQUID WATER CONTENT = .00243 GM/M3
PARTICLE COUNT = 23.92 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 6 | 4 | 3 | 0 | 1 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .107E-04 PER METER
VISIBILITY LIMIT, UPPER =365842., LOWER =280180. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .881E-05 PER METER
VISIBILITY LIMIT, UPPER =443795., LOWER =339880. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .127E-02 PER METER
VISIBILITY LIMIT, UPPER = 3090., LOWER = 2367. METERS
LIQUID WATER CONTENT = .00267 GM/M3
PARTICLE COUNT = 23.93 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 14
FOR DATA STARTING 22:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2267 | 20017 | 10275 | 2299 | 617 | 58 | 24 | 49 |
| 53 | 56 | 41 | 30 | 27 | 26 | 33 | 31 |

EXTINCTION COEFFICIENT = .127E-02 PER METER
VISIBILITY LIMIT, UPPER = 3072., LOWER = 2352. METERS
LIQUID WATER CONTENT = .00255 GM/M3
PARTICLE COUNT = 23.94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 30 | 7 | 13 | 4 | 4 | 3 | 2 | 0 |
| 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .287E-04 PER METER
VISIBILITY LIMIT, UPPER =136336., LOWER =104413. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .130E-02 PER METER
VISIBILITY LIMIT, UPPER = 3004., LOWER = 2301. METERS
LIQUID WATER CONTENT = .00277 GM/M3
PARTICLE COUNT = 23.98 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 15
FOR DATA STARTING 22130 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2811 | 16928 | 9646 | 2089 | 562 | 61 | 50 | 77 |
| 100 | 82 | 55 | 54 | 44 | 43 | 57 | 66 |

EXTINCTION COEFFICIENT = .119E-02 PER METER
VISIBILITY LIMIT, UPPER = 3291., LOWER = 2520. METERS
LIQUID WATER CONTENT = .00246 GM/M3
PARTICLE COUNT = 21.82 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 45 | 20 | 14 | 13 | 4 | 7 | 1 | 4 |
| 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .458E-04 PER METER
VISIBILITY LIMIT, UPPER = 85430., LOWER = 65427. METERS
LIQUID WATER CONTENT = .00033 GM/M3
PARTICLE COUNT = .08 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .124E-02 PER METER
VISIBILITY LIMIT, UPPER = 3161., LOWER = 2421. METERS
LIQUID WATER CONTENT = .00284 GM/M3
PARTICLE COUNT = 21.89 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 16
FOR DATA STARTING 22:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3707 | 15304 | 8983 | 1937 | 532 | 65 | 49 | 83 |
| 95 | 76 | 41 | 35 | 35 | 40 | 48 | 31 |

EXTINCTION COEFFICIENT = .111E-02 PER METER
VISIBILITY LIMIT, UPPER = 3519., LOWER = 2695. METERS
LIQUID WATER CONTENT = .00226 GM/M3
PARTICLE COUNT = 20.71 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 29 | 19 | 9 | 9 | 4 | 3 | 2 | 1 |
| 2 | 1 | 1 | 1 | 5 | 0 | 2 | 0 |

EXTINCTION COEFFICIENT = .446E-04 PER METER
VISIBILITY LIMIT, UPPER = 87637., LOWER = 67116. METERS
LIQUID WATER CONTENT = .00039 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .116E-02 PER METER
VISIBILITY LIMIT, UPPER = 3383., LOWER = 2591. METERS
LIQUID WATER CONTENT = .00265 GM/M3
PARTICLE COUNT = 20.77 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 17
FOR DATA STARTING 22:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4550 | 16235 | 9695 | 1964 | 553 | 75 | 69 | 75 |
| 76 | 83 | 50 | 66 | 49 | 62 | 48 | 51 |

EXTINCTION COEFFICIENT = .121E-02 PER METER
VISIBILITY LIMIT, UPPER = 3231., LOWER = 2475. METERS
LIQUID WATER CONTENT = .00248 GM/M3
PARTICLE COUNT = 22.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 36 | 18 | 12 | 10 | 5 | 2 | 3 | 1 |
| 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .375E-04 PER METER
VISIBILITY LIMIT, UPPER =104318., LOWER = 79892. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .125E-02 PER METER
VISIBILITY LIMIT, UPPER = 3134., LOWER = 2400. METERS
LIQUID WATER CONTENT = .00276 GM/M3
PARTICLE COUNT = 22.53 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 18
FOR DATA STARTING 23: 0 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6234 | 22779 | 12754 | 2676 | 653 | 42 | 8 | 12 |
| 10 | 9 | 14 | 15 | 12 | 10 | 11 | 13 |

EXTINCTION COEFFICIENT = .155E-02 PER METER
VISIBILITY LIMIT, UPPER = 2522., LOWER = 1931. METERS
LIQUID WATER CONTENT = .00300 GM/M3
PARTICLE COUNT = 30.17 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 3 | 3 | 3 | 1 | 1 | 1 |
| 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .120E-04 PER METER
VISIBILITY LIMIT, UPPER =326387., LOWER =249963. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .157E-02 PER METER
VISIBILITY LIMIT, UPPER = 2496., LOWER = 1911. METERS
LIQUID WATER CONTENT = .00320 GM/M3
PARTICLE COUNT = 30.18 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 19
FOR DATA STARTING 23:10 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4536 | 16267 | 9576 | 2046 | 568 | 86 | 66 | 79 |
| 79 | 73 | 55 | 47 | 53 | 53 | 71 | 50 |

EXTINCTION COEFFICIENT = .121E-02 PER METER
VISIBILITY LIMIT, UPPER = 3226., LOWER = 2470. METERS
LIQUID WATER CONTENT = .00250 GM/M3
PARTICLE COUNT = 22.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 47 | 22 | 6 | 14 | 6 | 3 | 2 | 0 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .383E-04 PER METER
VISIBILITY LIMIT, UPPER =102031., LOWER = 78140. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = .07 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .125E-02 PER METER
VISIBILITY LIMIT, UPPER = 3127., LOWER = 2395. METERS
LIQUID WATER CONTENT = .00275 GM/M3
PARTICLE COUNT = 22.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 20
FOR DATA STARTING 23:20 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9303 | 30855 | 17091 | 3603 | 845 | 48 | 41 | 42 |
| 53 | 55 | 56 | 55 | 45 | 73 | 61 | 71 |

EXTINCTION COEFFICIENT = .217E-02 PER METER
VISIBILITY LIMIT, UPPER = 1800., LOWER = 1378. METERS
LIQUID WATER CONTENT = .00433 GM/M3
PARTICLE COUNT = 41.53 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 45 | 20 | 14 | 6 | 6 | 2 | 2 | 1 |
| 2 | 1 | 0 | 1 | 0 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .408E-04 PER METER
VISIBILITY LIMIT, UPPER = 95815., LOWER = 73379. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = .07 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .497E-05 PER METER
VISIBILITY LIMIT, UPPER =787362., LOWER =603000. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .222E-02 PER METER
VISIBILITY LIMIT, UPPER = 1763., LOWER = 1350. METERS
LIQUID WATER CONTENT = .00474 GM/M3
PARTICLE COUNT = 41.60 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 21
FOR DATA STARTING 23:30 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5488 | 18293 | 11669 | 2469 | 627 | 82 | 81 | 101 |
| 126 | 97 | 92 | 67 | 83 | 83 | 130 | 138 |

EXTINCTION COEFFICIENT = .146E-02 PER METER
VISIBILITY LIMIT, UPPER = 2672., LOWER = 2047. METERS
LIQUID WATER CONTENT = .00313 GM/M3
PARTICLE COUNT = 26.42 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 77 | 32 | 28 | 22 | 11 | 3 | 2 | 1 |
| 2 | 2 | 1 | 2 | 0 | 0 | 0 | 2 |

EXTINCTION COEFFICIENT = .736E-04 PER METER
VISIBILITY LIMIT, UPPER = 53169., LOWER = 40719. METERS
LIQUID WATER CONTENT = .00054 GM/M3
PARTICLE COUNT = .12 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-04 PER METER
VISIBILITY LIMIT, UPPER =378948., LOWER =290216. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .155E-02 PER METER
VISIBILITY LIMIT, UPPER = 2527., LOWER = 1936. METERS
LIQUID WATER CONTENT = .00387 GM/M3
PARTICLE COUNT = 26.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 22
FOR DATA STARTING 23:40 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4598 | 22364 | 12959 | 2671 | 690 | 113 | 57 | 99 |
| 118 | 101 | 98 | 71 | 112 | 128 | 177 | 196 |

EXTINCTION COEFFICIENT = .167E-02 PER METER
VISIBILITY LIMIT, UPPER = 2345., LOWER = 1796. METERS
LIQUID WATER CONTENT = .00362 GM/M3
PARTICLE COUNT = 29.70 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 113 | 70 | 51 | 44 | 21 | 7 | 6 | 4 |
| 5 | 3 | 4 | 2 | 2 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .136E-03 PER METER
VISIBILITY LIMIT, UPPER = 28855., LOWER = 22099. METERS
LIQUID WATER CONTENT = .00098 GM/M3
PARTICLE COUNT = .22 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .753E-05 PER METER
VISIBILITY LIMIT, UPPER =519578., LOWER =397918. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .181E-02 PER METER
VISIBILITY LIMIT, UPPER = 2160., LOWER = 1654. METERS
LIQUID WATER CONTENT = .00475 GM/M3
PARTICLE COUNT = 29.93 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 23
FOR DATA STARTING 23:50 ON 22/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7990 | 43058 | 24604 | 4746 | 1012 | 239 | 238 | 292 |
| 403 | 523 | 583 | 679 | 699 | 707 | 682 | 564 |

EXTINCTION COEFFICIENT = .360E-02 PER METER
VISIBILITY LIMIT, UPPER = 1085., LOWER = 831. METERS
LIQUID WATER CONTENT = .00873 GM/M3
PARTICLE COUNT = 58.01 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 570 | 484 | 506 | 508 | 550 | 443 | 368 | 390 |
| 346 | 335 | 358 | 391 | 446 | 413 | 394 | 426 |

EXTINCTION COEFFICIENT = .670E-02 PER METER
VISIBILITY LIMIT, UPPER = 584., LOWER = 447. METERS
LIQUID WATER CONTENT = .07905 GM/M3
PARTICLE COUNT = 4.62 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 467 | 411 | 334 | 335 | 271 | 193 | 135 | 74 |
| 38 | 20 | 13 | 6 | 2 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .101E-01 PER METER
VISIBILITY LIMIT, UPPER = 387., LOWER = 297. METERS
LIQUID WATER CONTENT = .23019 GM/M3
PARTICLE COUNT = 1.53 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .204E-01 PER METER
VISIBILITY LIMIT, UPPER = 192., LOWER = 147. METERS
LIQUID WATER CONTENT = .31797 GM/M3
PARTICLE COUNT = 64.17 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 24
FOR DATA STARTING 0: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7468 | 41542 | 23516 | 4608 | 980 | 203 | 201 | 272 |
| 338 | 393 | 532 | 564 | 629 | 584 | 628 | 646 |

EXTINCTION COEFFICIENT = .342E-02 PER METER
VISIBILITY LIMIT, UPPER = 1143., LOWER = 876. METERS
LIQUID WATER CONTENT = .00826 GM/M3
PARTICLE COUNT = 55.40 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 559 | 526 | 536 | 515 | 630 | 509 | 454 | 398 |
| 439 | 452 | 480 | 532 | 416 | 330 | 309 | 247 |

EXTINCTION COEFFICIENT = .659E-02 PER METER
VISIBILITY LIMIT, UPPER = 593., LOWER = 454. METERS
LIQUID WATER CONTENT = .07398 GM/M3
PARTICLE COUNT = 4.89 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 280 | 234 | 201 | 190 | 168 | 119 | 99 | 70 |
| 74 | 46 | 29 | 15 | 13 | 3 | 1 | 0 |

EXTINCTION COEFFICIENT = .776E-02 PER METER
VISIBILITY LIMIT, UPPER = 504., LOWER = 386. METERS
LIQUID WATER CONTENT = .19546 GM/M3
PARTICLE COUNT = 1.03 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .178E-01 PER METER
VISIBILITY LIMIT, UPPER = 220., LOWER = 169. METERS
LIQUID WATER CONTENT = .27770 GM/M3
PARTICLE COUNT = 61.32 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 25
FOR DATA STARTING 0110 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10964 | 51569 | 30576 | 5086 | 997 | 284 | 302 | 336 |
| 426 | 610 | 715 | 832 | 897 | 888 | 822 | 740 |

EXTINCTION COEFFICIENT = .439E-02 PER METER
VISIBILITY LIMIT, UPPER = 891., LOWER = 682. METERS
LIQUID WATER CONTENT = .01068 GM/M3
PARTICLE COUNT = 70.70 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 617 | 539 | 510 | 497 | 491 | 504 | 472 | 508 |
| 509 | 566 | 686 | 755 | 689 | 599 | 509 | 487 |

EXTINCTION COEFFICIENT = .926E-02 PER METER
VISIBILITY LIMIT, UPPER = 422., LOWER = 323. METERS
LIQUID WATER CONTENT = .11035 GM/M3
PARTICLE COUNT = 5.96 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 449 | 390 | 350 | 307 | 261 | 204 | 166 | 84 |
| 75 | 42 | 25 | 17 | 8 | 4 | 3 | 0 |

EXTINCTION COEFFICIENT = .112E-01 PER METER
VISIBILITY LIMIT, UPPER = 348., LOWER = 267. METERS
LIQUID WATER CONTENT = .27002 GM/M3
PARTICLE COUNT = 1.59 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .249E-01 PER METER
VISIBILITY LIMIT, UPPER = 157., LOWER = 120. METERS
LIQUID WATER CONTENT = .39104 GM/M3
PARTICLE COUNT = 78.24 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 26
FOR DATA STARTING 0:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15929 | 59281 | 35547 | 5138 | 920 | 306 | 303 | 396 |
| 486 | 589 | 742 | 837 | 891 | 857 | 821 | 774 |

EXTINCTION COEFFICIENT = .498E-02 PER METER
VISIBILITY LIMIT, UPPER = 786., LOWER = 602. METERS
LIQUID WATER CONTENT = .01179 GM/M3
PARTICLE COUNT = 82.54 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 672 | 598 | 524 | 522 | 441 | 414 | 409 | 409 |
| 424 | 456 | 528 | 615 | 569 | 515 | 555 | 509 |

EXTINCTION COEFFICIENT = .836E-02 PER METER
VISIBILITY LIMIT, UPPER = 468., LOWER = 358. METERS
LIQUID WATER CONTENT = .10050 GM/M3
PARTICLE COUNT = 5.44 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 457 | 375 | 311 | 316 | 279 | 243 | 208 | 149 |
| 89 | 56 | 35 | 15 | 13 | 6 | 4 | 2 |

EXTINCTION COEFFICIENT = .127E-01 PER METER
VISIBILITY LIMIT, UPPER = 307., LOWER = 235. METERS
LIQUID WATER CONTENT = .31643 GM/M3
PARTICLE COUNT = 1.71 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .261E-01 PER METER
VISIBILITY LIMIT, UPPER = 150., LOWER = 115. METERS
LIQUID WATER CONTENT = .42872 GM/M3
PARTICLE COUNT = 89.69 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 27
FOR DATA STARTING 0:30 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11866 | 50831 | 31116 | 4898 | 980 | 302 | 306 | 378 |
| 521 | 689 | 837 | 940 | 1015 | 968 | 1014 | 825 |

EXTINCTION COEFFICIENT = .455E-02 PER METER
VISIBILITY LIMIT, UPPER = 860., LOWER = 659. METERS
LIQUID WATER CONTENT = .01130 GM/M3
PARTICLE COUNT = 71.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 772 | 652 | 617 | 545 | 483 | 428 | 436 | 395 |
| 394 | 462 | 596 | 616 | 573 | 537 | 513 | 487 |

EXTINCTION COEFFICIENT = .846E-02 PER METER
VISIBILITY LIMIT, UPPER = 463., LOWER = 354. METERS
LIQUID WATER CONTENT = .10050 GM/M3
PARTICLE COUNT = 5.67 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 403 | 328 | 292 | 255 | 227 | 190 | 163 | 132 |
| 99 | 81 | 32 | 23 | 19 | 8 | 4 | 2 |

EXTINCTION COEFFICIENT = .116E-01 PER METER
VISIBILITY LIMIT, UPPER = 336., LOWER = 257. METERS
LIQUID WATER CONTENT = .29838 GM/M3
PARTICLE COUNT = 1.51 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .141E-03 PER METER
VISIBILITY LIMIT, UPPER = 27712., LOWER = 21223. METERS
LIQUID WATER CONTENT = .00904 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .248E-01 PER METER
VISIBILITY LIMIT, UPPER = 158., LOWER = 121. METERS
LIQUID WATER CONTENT = .41922 GM/M3
PARTICLE COUNT = 78.84 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 28
FOR DATA STARTING 0:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8976 | 47205 | 28107 | 4685 | 1036 | 247 | 309 | 359 |
| 493 | 596 | 800 | 909 | 1017 | 960 | 951 | 907 |

EXTINCTION COEFFICIENT = .421E-02 PER METER
VISIBILITY LIMIT, UPPER = 929., LOWER = 711. METERS
LIQUID WATER CONTENT = .01066 GM/M3
PARTICLE COUNT = 65.04 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 762 | 658 | 642 | 639 | 593 | 473 | 409 | 400 |
| 438 | 462 | 580 | 578 | 561 | 480 | 448 | 418 |

EXTINCTION COEFFICIENT = .811E-02 PER METER
VISIBILITY LIMIT, UPPER = 482., LOWER = 369. METERS
LIQUID WATER CONTENT = .09447 GM/M3
PARTICLE COUNT = 5.69 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 355 | 331 | 268 | 241 | 207 | 172 | 134 | 120 |
| 88 | 72 | 30 | 29 | 19 | 10 | 7 | 3 |

EXTINCTION COEFFICIENT = .109E-01 PER METER
VISIBILITY LIMIT, UPPER = 360., LOWER = 275. METERS
LIQUID WATER CONTENT = .28270 GM/M3
PARTICLE COUNT = 1.39 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .574E-04 PER METER
VISIBILITY LIMIT, UPPER = 68200., LOWER = 52231. METERS
LIQUID WATER CONTENT = .00447 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .233E-01 PER METER
VISIBILITY LIMIT, UPPER = 168., LOWER = 129. METERS
LIQUID WATER CONTENT = .39231 GM/M3
PARTICLE COUNT = 72.12 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 29
FOR DATA STARTING 0:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16372 | 68999 | 40198 | 5418 | 976 | 376 | 424 | 562 |
| 687 | 953 | 1120 | 1206 | 1328 | 1376 | 1394 | 1219 |

EXTINCTION COEFFICIENT = .606E-02 PER METER
VISIBILITY LIMIT, UPPER = 646., LOWER = 495. METERS
LIQUID WATER CONTENT = .01517 GM/M3
PARTICLE COUNT = 95.07 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1053 | 1036 | 961 | 949 | 813 | 744 | 642 | 610 |
| 609 | 661 | 748 | 917 | 849 | 712 | 707 | 632 |

EXTINCTION COEFFICIENT = .121E-01 PER METER
VISIBILITY LIMIT, UPPER = 323., LOWER = 248. METERS
LIQUID WATER CONTENT = .14143 GM/M3
PARTICLE COUNT = 8.43 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 623 | 438 | 375 | 316 | 258 | 192 | 191 | 146 |
| 126 | 112 | 55 | 50 | 42 | 19 | 15 | 4 |

EXTINCTION COEFFICIENT = .157E-01 PER METER
VISIBILITY LIMIT, UPPER = 250., LOWER = 191. METERS
LIQUID WATER CONTENT = .41715 GM/M3
PARTICLE COUNT = 1.97 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 1 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .271E-03 PER METER
VISIBILITY LIMIT, UPPER = 14442., LOWER = 11061. METERS
LIQUID WATER CONTENT = .01667 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .341E-01 PER METER
VISIBILITY LIMIT, UPPER = 115., LOWER = 88. METERS
LIQUID WATER CONTENT = .59043 GM/M3
PARTICLE COUNT = 105.48 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 30
FOR DATA STARTING 11 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17211 | 69803 | 41430 | 5265 | 908 | 391 | 423 | 512 |
| 608 | 807 | 1014 | 1104 | 1236 | 1295 | 1277 | 1257 |

EXTINCTION COEFFICIENT = .605E-02 PER METER
VISIBILITY LIMIT, UPPER = 647., LOWER = 495. METERS
LIQUID WATER CONTENT = .01496 GM/M3
PARTICLE COUNT = 96.36 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1075 | 956 | 1010 | 957 | 926 | 773 | 699 | 649 |
| 638 | 725 | 719 | 807 | 797 | 673 | 643 | 613 |

EXTINCTION COEFFICIENT = .118E-01 PER METER
VISIBILITY LIMIT, UPPER = 331., LOWER = 254. METERS
LIQUID WATER CONTENT = .13655 GM/M3
PARTICLE COUNT = 8.44 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 516 | 426 | 332 | 291 | 245 | 181 | 139 | 125 |
| 109 | 74 | 64 | 40 | 22 | 10 | 3 | 1 |

EXTINCTION COEFFICIENT = .131E-01 PER METER
VISIBILITY LIMIT, UPPER = 299., LOWER = 229. METERS
LIQUID WATER CONTENT = .33476 GM/M3
PARTICLE COUNT = 1.72 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-04 PER METER
VISIBILITY LIMIT, UPPER =105018., LOWER = 80428. METERS
LIQUID WATER CONTENT = .00234 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .310E-01 PER METER
VISIBILITY LIMIT, UPPER = 126., LOWER = 97. METERS
LIQUID WATER CONTENT = .48861 GM/M3
PARTICLE COUNT = 106.52 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 31
FOR DATA STARTING 1110 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16897 | 63340 | 36057 | 4631 | 827 | 249 | 338 | 376 |
| 498 | 644 | 757 | 899 | 934 | 959 | 976 | 886 |

EXTINCTION COEFFICIENT = .523E-02 PER METER
VISIBILITY LIMIT, UPPER = 748., LOWER = 573. METERS
LIQUID WATER CONTENT = .01251 GM/M3
PARTICLE COUNT = 86.18 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 766 | 742 | 717 | 613 | 649 | 538 | 496 | 444 |
| 463 | 460 | 510 | 536 | 563 | 520 | 469 | 540 |

EXTINCTION COEFFICIENT = .861E-02 PER METER
VISIBILITY LIMIT, UPPER = 454., LOWER = 348. METERS
LIQUID WATER CONTENT = .10103 GM/M3
PARTICLE COUNT = 6.02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 483 | 489 | 421 | 341 | 324 | 315 | 216 | 181 |
| 125 | 80 | 67 | 48 | 30 | 11 | 14 | 6 |

EXTINCTION COEFFICIENT = .167E-01 PER METER
VISIBILITY LIMIT, UPPER = 235., LOWER = 180. METERS
LIQUID WATER CONTENT = .43648 GM/M3
PARTICLE COUNT = 2.10 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 4 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .326E-03 PER METER
VISIBILITY LIMIT, UPPER = 11997., LOWER = 9188. METERS
LIQUID WATER CONTENT = .01963 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .308E-01 PER METER
VISIBILITY LIMIT, UPPER = 127., LOWER = 97. METERS
LIQUID WATER CONTENT = .56965 GM/M3
PARTICLE COUNT = 94.30 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 32
FOR DATA STARTING 1:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11904 | 43615 | 26139 | 3978 | 793 | 235 | 229 | 302 |
| 386 | 540 | 639 | 717 | 783 | 759 | 829 | 777 |

EXTINCTION COEFFICIENT = .386E-02 PER METER
VISIBILITY LIMIT, UPPER = 1013., LOWER = 776. METERS
LIQUID WATER CONTENT = .00951 GM/M3
PARTICLE COUNT = 61.75 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 686 | 660 | 608 | 577 | 605 | 522 | 476 | 469 |
| 418 | 431 | 489 | 460 | 405 | 296 | 336 | 261 |

EXTINCTION COEFFICIENT = .667E-02 PER METER
VISIBILITY LIMIT, UPPER = 586., LOWER = 449. METERS
LIQUID WATER CONTENT = .07420 GM/M3
PARTICLE COUNT = 5.13 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 282 | 268 | 240 | 226 | 173 | 160 | 140 | 110 |
| 92 | 53 | 48 | 32 | 24 | 6 | 7 | 4 |

EXTINCTION COEFFICIENT = .101E-01 PER METER
VISIBILITY LIMIT, UPPER = 385., LOWER = 295. METERS
LIQUID WATER CONTENT = .27027 GM/M3
PARTICLE COUNT = 1.24 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .149E-03 PER METER
VISIBILITY LIMIT, UPPER = 26257., LOWER = 20109. METERS
LIQUID WATER CONTENT = .00843 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .208E-01 PER METER
VISIBILITY LIMIT, UPPER = 188., LOWER = 144. METERS
LIQUID WATER CONTENT = .36241 GM/M3
PARTICLE COUNT = 68.13 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 33
FOR DATA STARTING 1130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8018 | 27380 | 17592 | 3270 | 783 | 154 | 160 | 248 |
| 316 | 420 | 492 | 616 | 587 | 592 | 618 | 601 |

EXTINCTION COEFFICIENT = .267E-02 PER METER
VISIBILITY LIMIT, UPPER = 1466., LOWER = 1122. METERS
LIQUID WATER CONTENT = .00677 GM/M3
PARTICLE COUNT = 41.23 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 476 | 431 | 375 | 390 | 320 | 293 | 284 | 241 |
| 245 | 265 | 279 | 323 | 280 | 242 | 180 | 194 |

EXTINCTION COEFFICIENT = .426E-02 PER METER
VISIBILITY LIMIT, UPPER = 918., LOWER = 703. METERS
LIQUID WATER CONTENT = .04805 GM/M3
PARTICLE COUNT = 3.21 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 213 | 162 | 167 | 156 | 156 | 123 | 111 | 76 |
| 77 | 48 | 41 | 25 | 16 | 5 | 2 | 0 |

EXTINCTION COEFFICIENT = .759E-02 PER METER
VISIBILITY LIMIT, UPPER = 516., LOWER = 395. METERS
LIQUID WATER CONTENT = .20106 GM/M3
PARTICLE COUNT = .92 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .145E-01 PER METER
VISIBILITY LIMIT, UPPER = 270., LOWER = 206. METERS
LIQUID WATER CONTENT = .25587 GM/M3
PARTICLE COUNT = 45.36 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 34
FOR DATA STARTING 1:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10522 | 42951 | 27977 | 4625 | 956 | 224 | 251 | 297 |
| 431 | 571 | 711 | 792 | 755 | 854 | 876 | 878 |

EXTINCTION COEFFICIENT = .398E-02 PER METER
VISIBILITY LIMIT, UPPER = 983., LOWER = 753. METERS
LIQUID WATER CONTENT = .00994 GM/M3
PARTICLE COUNT = 62.45 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 717 | 677 | 645 | 642 | 671 | 542 | 455 | 428 |
| 425 | 463 | 518 | 505 | 485 | 378 | 296 | 251 |

EXTINCTION COEFFICIENT = .703E-02 PER METER
VISIBILITY LIMIT, UPPER = 556., LOWER = 426. METERS
LIQUID WATER CONTENT = .07805 GM/M3
PARTICLE COUNT = 5.40 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 250 | 211 | 168 | 152 | 165 | 117 | 92 | 75 |
| 65 | 57 | 34 | 25 | 13 | 9 | 5 | 4 |

EXTINCTION COEFFICIENT = .780E-02 PER METER
VISIBILITY LIMIT, UPPER = 502., LOWER = 384. METERS
LIQUID WATER CONTENT = .20808 GM/M3
PARTICLE COUNT = .96 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .159E-03 PER METER
VISIBILITY LIMIT, UPPER = 24592., LOWER = 18833. METERS
LIQUID WATER CONTENT = .00936 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .190E-01 PER METER
VISIBILITY LIMIT, UPPER = 206., LOWER = 158. METERS
LIQUID WATER CONTENT = .30543 GM/M3
PARTICLE COUNT = 68.81 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 35
FOR DATA STARTING 1150 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7737 | 36413 | 22087 | 3822 | 811 | 206 | 217 | 245 |
| 393 | 473 | 584 | 678 | 721 | 826 | 854 | 805 |

EXTINCTION COEFFICIENT = .335E-02 PER METER
VISIBILITY LIMIT, UPPER = 1169., LOWER = 895. METERS
LIQUID WATER CONTENT = .00856 GM/M3
PARTICLE COUNT = 51.25 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 714 | 577 | 584 | 544 | 489 | 392 | 352 | 312 |
| 297 | 339 | 365 | 442 | 378 | 297 | 247 | 212 |

EXTINCTION COEFFICIENT = .558E-02 PER METER
VISIBILITY LIMIT, UPPER = 701., LOWER = 537. METERS
LIQUID WATER CONTENT = .06202 GM/M3
PARTICLE COUNT = 4.36 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 208 | 181 | 157 | 151 | 145 | 104 | 105 | 93 |
| 66 | 44 | 38 | 28 | 18 | 19 | 8 | 3 |

EXTINCTION COEFFICIENT = .785E-02 PER METER
VISIBILITY LIMIT, UPPER = 498., LOWER = 382. METERS
LIQUID WATER CONTENT = .21747 GM/M3
PARTICLE COUNT = .91 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 0 | 2 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .312E-03 PER METER
VISIBILITY LIMIT, UPPER = 12540., LOWER = 9604. METERS
LIQUID WATER CONTENT = .01928 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .171E-01 PER METER
VISIBILITY LIMIT, UPPER = 229., LOWER = 175. METERS
LIQUID WATER CONTENT = .30733 GM/M3
PARTICLE COUNT = 56.53 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 36
FOR DATA STARTING 21 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16526 | 77524 | 42939 | 6105 | 950 | 294 | 284 | 380 |
| 430 | 570 | 673 | 727 | 822 | 787 | 831 | 803 |

EXTINCTION COEFFICIENT = .585E-02 PER METER
VISIBILITY LIMIT, UPPER = 668., LOWER = 512. METERS
LIQUID WATER CONTENT = .01338 GM/M3
PARTICLE COUNT = 100.43 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 676 | 616 | 624 | 626 | 527 | 481 | 428 | 371 |
| 417 | 368 | 470 | 498 | 489 | 447 | 428 | 515 |

EXTINCTION COEFFICIENT = .769E-02 PER METER
VISIBILITY LIMIT, UPPER = 509., LOWER = 389. METERS
LIQUID WATER CONTENT = .09079 GM/M3
PARTICLE COUNT = 5.32 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 484 | 450 | 365 | 363 | 348 | 296 | 244 | 289 |
| 177 | 91 | 67 | 39 | 26 | 10 | 6 | 4 |

EXTINCTION COEFFICIENT = .170E-01 PER METER
VISIBILITY LIMIT, UPPER = 230., LOWER = 176. METERS
LIQUID WATER CONTENT = .44253 GM/M3
PARTICLE COUNT = 2.12 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .176E-03 PER METER
VISIBILITY LIMIT, UPPER = 22170., LOWER = 16979. METERS
LIQUID WATER CONTENT = .01348 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .307E-01 PER METER
VISIBILITY LIMIT, UPPER = 127., LOWER = 98. METERS
LIQUID WATER CONTENT = .56019 GM/M3
PARTICLE COUNT = 107.87 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 37
FOR DATA STARTING 2:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14888 | 72133 | 41100 | 5607 | 917 | 347 | 338 | 436 |
| 576 | 715 | 918 | 976 | 1046 | 1153 | 1104 | 1087 |

EXTINCTION COEFFICIENT = .587E-02 PER METER
VISIBILITY LIMIT, UPPER = 666., LOWER = 510. METERS
LIQUID WATER CONTENT = .01419 GM/M3
PARTICLE COUNT = 95.56 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1000 | 913 | 896 | 898 | 781 | 740 | 604 | 610 |
| 586 | 624 | 646 | 689 | 607 | 496 | 433 | 443 |

EXTINCTION COEFFICIENT = .966E-02 PER METER
VISIBILITY LIMIT, UPPER = 405., LOWER = 310. METERS
LIQUID WATER CONTENT = .10858 GM/M3
PARTICLE COUNT = 7.31 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 411 | 351 | 286 | 235 | 221 | 209 | 148 | 131 |
| 118 | 105 | 57 | 46 | 19 | 18 | 5 | 8 |

EXTINCTION COEFFICIENT = .130E-01 PER METER
VISIBILITY LIMIT, UPPER = 302., LOWER = 231. METERS
LIQUID WATER CONTENT = .34881 GM/M3
PARTICLE COUNT = 1.58 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 2 | 1 | 0 | 1 | 0 | 2 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .610E-03 PER METER
VISIBILITY LIMIT, UPPER = 6409., LOWER = 4908. METERS
LIQUID WATER CONTENT = .04668 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .291E-01 PER METER
VISIBILITY LIMIT, UPPER = 134., LOWER = 103. METERS
LIQUID WATER CONTENT = .51826 GM/M3
PARTICLE COUNT = 104.46 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 38
FOR DATA STARTING 2120 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16618 | 68900 | 38169 | 5665 | 895 | 253 | 276 | 288 |
| 382 | 480 | 550 | 672 | 681 | 700 | 668 | 648 |

EXTINCTION COEFFICIENT = .522E-02 PER METER
VISIBILITY LIMIT, UPPER = 749., LOWER = 573. METERS
LIQUID WATER CONTENT = .01181 GM/M3
PARTICLE COUNT = 90.56 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 569 | 498 | 514 | 489 | 469 | 385 | 381 | 337 |
| 317 | 392 | 389 | 422 | 454 | 425 | 445 | 480 |

EXTINCTION COEFFICIENT = .698E-02 PER METER
VISIBILITY LIMIT, UPPER = 561., LOWER = 429. METERS
LIQUID WATER CONTENT = .08362 GM/M3
PARTICLE COUNT = 4.64 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 420 | 361 | 286 | 258 | 210 | 177 | 157 | 132 |
| 100 | 86 | 50 | 43 | 27 | 16 | 9 | 7 |

EXTINCTION COEFFICIENT = .126E-01 PER METER
VISIBILITY LIMIT, UPPER = 310., LOWER = 237. METERS
LIQUID WATER CONTENT = .33852 GM/M3
PARTICLE COUNT = 1.56 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .602E-04 PER METER
VISIBILITY LIMIT, UPPER = 64991., LOWER = 49773. METERS
LIQUID WATER CONTENT = .00341 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .249E-01 PER METER
VISIBILITY LIMIT, UPPER = 157., LOWER = 120. METERS
LIQUID WATER CONTENT = .43735 GM/M3
PARTICLE COUNT = 96.77 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 39
FOR DATA STARTING 2130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7557 | 39611 | 24191 | 4450 | 1010 | 201 | 244 | 293 |
| 437 | 617 | 747 | 860 | 894 | 909 | 849 | 735 |

EXTINCTION COEFFICIENT = .365E-02 PER METER
VISIBILITY LIMIT, UPPER = 1071., LOWER = 820. METERS
LIQUID WATER CONTENT = .00930 GM/M3
PARTICLE COUNT = 55.74 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 585 | 596 | 528 | 525 | 507 | 413 | 362 | 381 |
| 327 | 349 | 378 | 439 | 401 | 350 | 348 | 351 |

EXTINCTION COEFFICIENT = .633E-02 PER METER
VISIBILITY LIMIT, UPPER = 618., LOWER = 473. METERS
LIQUID WATER CONTENT = .07319 GM/M3
PARTICLE COUNT = 4.56 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 312 | 277 | 211 | 188 | 134 | 108 | 103 | 83 |
| 56 | 37 | 32 | 22 | 10 | 4 | 9 | 3 |

EXTINCTION COEFFICIENT = .800E-02 PER METER
VISIBILITY LIMIT, UPPER = 489., LOWER = 374. METERS
LIQUID WATER CONTENT = .20565 GM/M3
PARTICLE COUNT = 1.06 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-04 PER METER
VISIBILITY LIMIT, UPPER =140040., LOWER =107249. METERS
LIQUID WATER CONTENT = .00152 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .180E-01 PER METER
VISIBILITY LIMIT, UPPER = 217., LOWER = 166. METERS
LIQUID WATER CONTENT = .28967 GM/M3
PARTICLE COUNT = 61.36 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 48
FOR DATA STARTING 2140 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9377 | 54260 | 32656 | 5761 | 1043 | 318 | 341 | 484 |
| 569 | 745 | 893 | 1099 | 1186 | 1128 | 1112 | 963 |

EXTINCTION COEFFICIENT = .483E-02 PER METER
VISIBILITY LIMIT, UPPER = 810., LOWER = 621. METERS
LIQUID WATER CONTENT = .01219 GM/M3
PARTICLE COUNT = 74.51 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 866 | 775 | 683 | 635 | 552 | 505 | 439 | 428 |
| 475 | 522 | 648 | 647 | 628 | 607 | 593 | 535 |

EXTINCTION COEFFICIENT = .942E-02 PER METER
VISIBILITY LIMIT, UPPER = 415., LOWER = 318. METERS
LIQUID WATER CONTENT = .11189 GM/M3
PARTICLE COUNT = 6.36 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 473 | 396 | 286 | 244 | 151 | 106 | 91 | 55 |
| 57 | 36 | 22 | 17 | 8 | 6 | 5 | 0 |

EXTINCTION COEFFICIENT = .880E-02 PER METER
VISIBILITY LIMIT, UPPER = 445., LOWER = 341. METERS
LIQUID WATER CONTENT = .21052 GM/M3
PARTICLE COUNT = 1.30 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .652E-04 PER METER
VISIBILITY LIMIT, UPPER = 60013., LOWER = 45961. METERS
LIQUID WATER CONTENT = .00386 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .231E-01 PER METER
VISIBILITY LIMIT, UPPER = 169., LOWER = 130. METERS
LIQUID WATER CONTENT = .33846 GM/M3
PARTICLE COUNT = 82.17 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 41
FOR DATA STARTING 2:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8350 | 43871 | 27273 | 4334 | 879 | 272 | 290 | 411 |
| 554 | 809 | 964 | 1194 | 1243 | 1249 | 1180 | 977 |

EXTINCTION COEFFICIENT = .428E-02 PER METER
VISIBILITY LIMIT, UPPER = 915., LOWER = 701. METERS
LIQUID WATER CONTENT = .01132 GM/M3
PARTICLE COUNT = 62.57 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 805 | 703 | 667 | 599 | 527 | 413 | 421 | 408 |
| 404 | 468 | 548 | 598 | 615 | 552 | 521 | 570 |

EXTINCTION COEFFICIENT = .878E-02 PER METER
VISIBILITY LIMIT, UPPER = 445., LOWER = 341. METERS
LIQUID WATER CONTENT = .10494 GM/M3
PARTICLE COUNT = 5.88 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 545 | 457 | 357 | 269 | 172 | 107 | 61 | 45 |
| 29 | 24 | 15 | 12 | 8 | 3 | 6 | 0 |

EXTINCTION COEFFICIENT = .885E-02 PER METER
VISIBILITY LIMIT, UPPER = 442., LOWER = 339. METERS
LIQUID WATER CONTENT = .20177 GM/M3
PARTICLE COUNT = 1.41 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-03 PER METER
VISIBILITY LIMIT, UPPER = 37904., LOWER = 29028. METERS
LIQUID WATER CONTENT = .00631 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .220E-01 PER METER
VISIBILITY LIMIT, UPPER = 178., LOWER = 136. METERS
LIQUID WATER CONTENT = .32434 GM/M3
PARTICLE COUNT = 69.85 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 42
FOR DATA STARTING 3: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 24240 | 97184 | 55020 | 5575 | 788 | 422 | 464 | 486 |
| 593 | 783 | 940 | 1034 | 1147 | 1192 | 1142 | 1115 |

EXTINCTION COEFFICIENT = .753E-02 PER METER
VISIBILITY LIMIT, UPPER = 520., LOWER = 398. METERS
LIQUID WATER CONTENT = .01743 GM/M3
PARTICLE COUNT = 128.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 976 | 860 | 834 | 761 | 650 | 625 | 633 | 607 |
| 610 | 746 | 765 | 864 | 900 | 878 | 1001 | 995 |

EXTINCTION COEFFICIENT = .136E-01 PER METER
VISIBILITY LIMIT, UPPER = 287., LOWER = 220. METERS
LIQUID WATER CONTENT = .16769 GM/M3
PARTICLE COUNT = 8.47 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 941 | 808 | 664 | 529 | 358 | 244 | 192 | 137 |
| 68 | 62 | 47 | 36 | 16 | 15 | 6 | 1 |

EXTINCTION COEFFICIENT = .186E-01 PER METER
VISIBILITY LIMIT, UPPER = 210., LOWER = 161. METERS
LIQUID WATER CONTENT = .44246 GM/M3
PARTICLE COUNT = 2.76 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .110E-03 PER METER
VISIBILITY LIMIT, UPPER = 35607., LOWER = 27269. METERS
LIQUID WATER CONTENT = .00701 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .399E-01 PER METER
VISIBILITY LIMIT, UPPER = 98., LOWER = 75. METERS
LIQUID WATER CONTENT = .63459 GM/M3
PARTICLE COUNT = 139.32 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 43
FOR DATA STARTING 3:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12846 | 58124 | 35166 | 4997 | 860 | 330 | 371 | 469 |
| 596 | 760 | 912 | 1128 | 1157 | 1242 | 1273 | 1092 |

EXTINCTION COEFFICIENT = .521E-02 PER METER
VISIBILITY LIMIT, UPPER = 750., LOWER = 575. METERS
LIQUID WATER CONTENT = .01318 GM/M3
PARTICLE COUNT = 80.88 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 948 | 807 | 864 | 824 | 792 | 648 | 593 | 575 |
| 618 | 706 | 811 | 843 | 764 | 645 | 584 | 551 |

EXTINCTION COEFFICIENT = .111E-01 PER METER
VISIBILITY LIMIT, UPPER = 353., LOWER = 270. METERS
LIQUID WATER CONTENT = .12901 GM/M3
PARTICLE COUNT = 7.72 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 495 | 367 | 266 | 203 | 137 | 99 | 59 | 41 |
| 29 | 15 | 14 | 16 | 12 | 5 | 4 | 1 |

EXTINCTION COEFFICIENT = .756E-02 PER METER
VISIBILITY LIMIT, UPPER = 517., LOWER = 396. METERS
LIQUID WATER CONTENT = .17687 GM/M3
PARTICLE COUNT = 1.18 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 0 | 2 | 0 | 3 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .492E-03 PER METER
VISIBILITY LIMIT, UPPER = 7952., LOWER = 6090. METERS
LIQUID WATER CONTENT = .03885 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .244E-01 PER METER
VISIBILITY LIMIT, UPPER = 161., LOWER = 123. METERS
LIQUID WATER CONTENT = .35792 GM/M3
PARTICLE COUNT = 89.78 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 44
FOR DATA STARTING 3:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19719 | 79921 | 45994 | 5679 | 878 | 374 | 381 | 480 |
| 596 | 696 | 869 | 1037 | 1107 | 1133 | 1152 | 968 |

EXTINCTION COEFFICIENT = .644E-02 PER METER
VISIBILITY LIMIT, UPPER = 607., LOWER = 465. METERS
LIQUID WATER CONTENT = .01521 GM/M3
PARTICLE COUNT = 107.32 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 869 | 762 | 727 | 710 | 690 | 547 | 544 | 587 |
| 621 | 625 | 836 | 931 | 800 | 712 | 724 | 742 |

EXTINCTION COEFFICIENT = .118E-01 PER METER
VISIBILITY LIMIT, UPPER = 331., LOWER = 253. METERS
LIQUID WATER CONTENT = .14227 GM/M3
PARTICLE COUNT = 7.62 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 639 | 464 | 396 | 283 | 202 | 147 | 105 | 74 |
| 48 | 34 | 22 | 11 | 14 | 13 | 4 | 2 |

EXTINCTION COEFFICIENT = .109E-01 PER METER
VISIBILITY LIMIT, UPPER = 360., LOWER = 276. METERS
LIQUID WATER CONTENT = .25720 GM/M3
PARTICLE COUNT = 1.64 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 2 | 1 | 1 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .383E-03 PER METER
VISIBILITY LIMIT, UPPER = 10204., LOWER = 7814. METERS
LIQUID WATER CONTENT = .03306 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .295E-01 PER METER
VISIBILITY LIMIT, UPPER = 133., LOWER = 102. METERS
LIQUID WATER CONTENT = .44774 GM/M3
PARTICLE COUNT = 116.58 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 45
FOR DATA STARTING 3:30 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17864 | 70394 | 40592 | 5226 | 878 | 209 | 255 | 304 |
| 400 | 445 | 570 | 667 | 703 | 667 | 663 | 562 |

EXTINCTION COEFFICIENT = .535E-02 PER METER
VISIBILITY LIMIT, UPPER = 731., LOWER = 560. METERS
LIQUID WATER CONTENT = .01196 GM/M3
PARTICLE COUNT = 93.60 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 525 | 449 | 463 | 460 | 438 | 400 | 373 | 412 |
| 472 | 510 | 625 | 748 | 703 | 714 | 648 | 645 |

EXTINCTION COEFFICIENT = .968E-02 PER METER
VISIBILITY LIMIT, UPPER = 404., LOWER = 309. METERS
LIQUID WATER CONTENT = .11977 GM/M3
PARTICLE COUNT = 5.72 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 549 | 363 | 276 | 212 | 122 | 71 | 42 | 34 |
| 17 | 14 | 9 | 6 | 3 | 3 | 1 | 1 |

EXTINCTION COEFFICIENT = .683E-02 PER METER
VISIBILITY LIMIT, UPPER = 573., LOWER = 439. METERS
LIQUID WATER CONTENT = .14945 GM/M3
PARTICLE COUNT = 1.15 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .125E-03 PER METER
VISIBILITY LIMIT, UPPER = 31201., LOWER = 23896. METERS
LIQUID WATER CONTENT = .00727 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .220E-01 PER METER
VISIBILITY LIMIT, UPPER = 178., LOWER = 136. METERS
LIQUID WATER CONTENT = .28845 GM/M3
PARTICLE COUNT = 100.47 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 46
FOR DATA STARTING 3:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17697 | 66354 | 37404 | 5061 | 747 | 225 | 212 | 258 |
| 331 | 404 | 455 | 499 | 534 | 576 | 554 | 537 |

EXTINCTION COEFFICIENT = .496E-02 PER METER
VISIBILITY LIMIT, UPPER = 789., LOWER = 604. METERS
LIQUID WATER CONTENT = .01095 GM/M3
PARTICLE COUNT = 87.90 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 537 | 468 | 494 | 489 | 504 | 430 | 399 | 411 |
| 456 | 459 | 555 | 511 | 439 | 402 | 361 | 323 |

EXTINCTION COEFFICIENT = .695E-02 PER METER
VISIBILITY LIMIT, UPPER = 563., LOWER = 431. METERS
LIQUID WATER CONTENT = .08035 GM/M3
PARTICLE COUNT = 4.83 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 284 | 204 | 182 | 110 | 86 | 64 | 45 | 37 |
| 31 | 22 | 12 | 9 | 11 | 4 | 1 | 1 |

EXTINCTION COEFFICIENT = .503E-02 PER METER
VISIBILITY LIMIT, UPPER = 777., LOWER = 595. METERS
LIQUID WATER CONTENT = .12215 GM/M3
PARTICLE COUNT = .74 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .169E-01 PER METER
VISIBILITY LIMIT, UPPER = 231., LOWER = 177. METERS
LIQUID WATER CONTENT = .21345 GM/M3
PARTICLE COUNT = 93.46 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 47
FOR DATA STARTING 3:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19794 | 81381 | 46106 | 5497 | 745 | 280 | 277 | 335 |
| 427 | 473 | 561 | 653 | 672 | 711 | 706 | 637 |

EXTINCTION COEFFICIENT = .601E-02 PER METER
VISIBILITY LIMIT, UPPER = 651., LOWER = 498. METERS
LIQUID WATER CONTENT = .01331 GM/M3
PARTICLE COUNT = 106.17 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 626 | 590 | 597 | 566 | 566 | 492 | 516 | 454 |
| 525 | 586 | 630 | 691 | 675 | 623 | 599 | 617 |

EXTINCTION COEFFICIENT = .977E-02 PER METER
VISIBILITY LIMIT, UPPER = 400., LOWER = 307. METERS
LIQUID WATER CONTENT = .11769 GM/M3
PARTICLE COUNT = 6.24 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 499 | 383 | 243 | 207 | 142 | 76 | 58 | 39 |
| 20 | 13 | 6 | 6 | 3 | 3 | 0 | 0 |

EXTINCTION COEFFICIENT = .681E-02 PER METER
VISIBILITY LIMIT, UPPER = 574., LOWER = 440. METERS
LIQUID WATER CONTENT = .14924 GM/M3
PARTICLE COUNT = 1.13 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .302E-03 PER METER
VISIBILITY LIMIT, UPPER = 12958., LOWER = 9924. METERS
LIQUID WATER CONTENT = .03652 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .229E-01 PER METER
VISIBILITY LIMIT, UPPER = 171., LOWER = 131. METERS
LIQUID WATER CONTENT = .31675 GM/M3
PARTICLE COUNT = 113.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 48
FOR DATA STARTING 4: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 16042 | 61815 | 34261 | 4819 | 751 | 176 | 213 | 187 |
| 273 | 318 | 317 | 373 | 367 | 402 | 403 | 374 |

EXTINCTION COEFFICIENT = .445E-02 PER METER
VISIBILITY LIMIT, UPPER = 878., LOWER = 673. METERS
LIQUID WATER CONTENT = .00956 GM/M3
PARTICLE COUNT = 80.73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 363 | 350 | 420 | 414 | 433 | 406 | 435 | 406 |
| 392 | 486 | 494 | 466 | 354 | 293 | 210 | 127 |

EXTINCTION COEFFICIENT = .549E-02 PER METER
VISIBILITY LIMIT, UPPER = 713., LOWER = 546. METERS
LIQUID WATER CONTENT = .06069 GM/M3
PARTICLE COUNT = 4.03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 86 | 72 | 54 | 38 | 23 | 17 | 19 | 7 |
| 10 | 5 | 10 | 4 | 1 | 2 | 1 | 0 |

EXTINCTION COEFFICIENT = .161E-02 PER METER
VISIBILITY LIMIT, UPPER = 2425., LOWER = 1857. METERS
LIQUID WATER CONTENT = .03966 GM/M3
PARTICLE COUNT = .23 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .993E-04 PER METER
VISIBILITY LIMIT, UPPER = 39377., LOWER = 30157. METERS
LIQUID WATER CONTENT = .00721 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .117E-01 PER METER
VISIBILITY LIMIT, UPPER = 336., LOWER = 257. METERS
LIQUID WATER CONTENT = .11712 GM/M3
PARTICLE COUNT = 84.99 PER CC

NEPHELOMETER DATA

SERIES # CTS= 7, TEST # 49
FOR DATA STARTING 4110 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18802 | 88514 | 50803 | 6092 | 868 | 423 | 393 | 485 |
| 579 | 756 | 831 | 934 | 958 | 1011 | 917 | 858 |

EXTINCTION COEFFICIENT = .675E-02 PER METER
VISIBILITY LIMIT, UPPER = 579., LOWER = 444. METERS
LIQUID WATER CONTENT = .01546 GM/M3
PARTICLE COUNT = 115.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 756 | 726 | 691 | 739 | 631 | 725 | 697 | 752 |
| 830 | 970 | 1149 | 1262 | 1110 | 1085 | 977 | 844 |

EXTINCTION COEFFICIENT = .154E-01 PER METER
VISIBILITY LIMIT, UPPER = 254., LOWER = 195. METERS
LIQUID WATER CONTENT = .18713 GM/M3
PARTICLE COUNT = 9.30 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 692 | 449 | 290 | 202 | 111 | 59 | 47 | 14 |
| 14 | 10 | 5 | 3 | 2 | 6 | 1 | 0 |

EXTINCTION COEFFICIENT = .713E-02 PER METER
VISIBILITY LIMIT, UPPER = 549., LOWER = 420. METERS
LIQUID WATER CONTENT = .15030 GM/M3
PARTICLE COUNT = 1.27 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .194E-03 PER METER
VISIBILITY LIMIT, UPPER = 20160., LOWER = 15440. METERS
LIQUID WATER CONTENT = .01477 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .295E-01 PER METER
VISIBILITY LIMIT, UPPER = 133., LOWER = 102. METERS
LIQUID WATER CONTENT = .36767 GM/M3
PARTICLE COUNT = 126.04 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 50
FOR DATA STARTING 4:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17949 | 78974 | 44487 | 5992 | 978 | 312 | 362 | 431 |
| 493 | 613 | 672 | 695 | 783 | 759 | 787 | 674 |

EXTINCTION COEFFICIENT = .596E-02 PER METER
VISIBILITY LIMIT, UPPER = 656., LOWER = 503. METERS
LIQUID WATER CONTENT = .01344 GM/M3
PARTICLE COUNT = 103.31 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 632 | 621 | 697 | 659 | 621 | 587 | 594 | 624 |
| 726 | 857 | 1051 | 1208 | 1015 | 884 | 748 | 625 |

EXTINCTION COEFFICIENT = .131E-01 PER METER
VISIBILITY LIMIT, UPPER = 298., LOWER = 228. METERS
LIQUID WATER CONTENT = .15752 GM/M3
PARTICLE COUNT = 8.10 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 422 | 233 | 133 | 60 | 32 | 28 | 9 | 7 |
| 7 | 1 | 5 | 2 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .329E-02 PER METER
VISIBILITY LIMIT, UPPER = 1189., LOWER = 910. METERS
LIQUID WATER CONTENT = .06629 GM/M3
PARTICLE COUNT = .63 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-04 PER METER
VISIBILITY LIMIT, UPPER =140040., LOWER =107249. METERS
LIQUID WATER CONTENT = .00152 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .224E-01 PER METER
VISIBILITY LIMIT, UPPER = 175., LOWER = 134. METERS
LIQUID WATER CONTENT = .23877 GM/M3
PARTICLE COUNT = 112.03 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 51
FOR DATA STARTING 4130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8655 | 40650 | 21953 | 4039 | 771 | 147 | 167 | 282 |
| 207 | 253 | 273 | 331 | 356 | 404 | 473 | 494 |

EXTINCTION COEFFICIENT = .309E-02 PER METER
VISIBILITY LIMIT, UPPER = 1266., LOWER = 970. METERS
LIQUID WATER CONTENT = .00708 GM/M3
PARTICLE COUNT = 52.92 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 417 | 448 | 507 | 558 | 530 | 394 | 378 | 328 |
| 378 | 328 | 369 | 333 | 221 | 133 | 74 | 49 |

EXTINCTION COEFFICIENT = .409E-02 PER METER
VISIBILITY LIMIT, UPPER = 956., LOWER = 732. METERS
LIQUID WATER CONTENT = .04134 GM/M3
PARTICLE COUNT = 3.62 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 44 | 20 | 13 | 12 | 5 | 5 | 3 | 2 |
| 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .422E-03 PER METER
VISIBILITY LIMIT, UPPER = 9273., LOWER = 7102. METERS
LIQUID WATER CONTENT = .00947 GM/M3
PARTICLE COUNT = .07 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .602E-04 PER METER
VISIBILITY LIMIT, UPPER = 64991., LOWER = 49773. METERS
LIQUID WATER CONTENT = .00341 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .767E-02 PER METER
VISIBILITY LIMIT, UPPER = 510., LOWER = 391. METERS
LIQUID WATER CONTENT = .06130 GM/M3
PARTICLE COUNT = 56.61 PER CC

NEPHELOMETER DATA

SERIES # CTS= 7, TEST # 52
FOR DATA STARTING 4140 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4732 | 18224 | 10357 | 2114 | 516 | 82 | 73 | 91 |
| 91 | 100 | 93 | 100 | 118 | 126 | 177 | 183 |

EXTINCTION COEFFICIENT = .141E-02 PER METER
VISIBILITY LIMIT, UPPER = 2783., LOWER = 2132. METERS
LIQUID WATER CONTENT = .00311 GM/M3
PARTICLE COUNT = 24.78 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 148 | 93 | 92 | 84 | 75 | 44 | 38 | 24 |
| 18 | 11 | 12 | 7 | 2 | 2 | 1 | 2 |

EXTINCTION COEFFICIENT = .312E-03 PER METER
VISIBILITY LIMIT, UPPER = 12523., LOWER = 9591. METERS
LIQUID WATER CONTENT = .00245 GM/M3
PARTICLE COUNT = .44 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .210E-04 PER METER
VISIBILITY LIMIT, UPPER =186270., LOWER =142654. METERS
LIQUID WATER CONTENT = .00041 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .174E-02 PER METER
VISIBILITY LIMIT, UPPER = 2250., LOWER = 1723. METERS
LIQUID WATER CONTENT = .00596 GM/M3
PARTICLE COUNT = 25.22 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 53
FOR DATA STARTING 4:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8706 | 29151 | 16234 | 2903 | 623 | 128 | 115 | 160 |
| 172 | 195 | 233 | 276 | 306 | 323 | 404 | 467 |

EXTINCTION COEFFICIENT = .238E-02 PER METER
VISIBILITY LIMIT, UPPER = 1646., LOWER = 1260. METERS
LIQUID WATER CONTENT = .00555 GM/M3
PARTICLE COUNT = 40.26 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 349 | 317 | 301 | 252 | 235 | 203 | 146 | 145 |
| 151 | 195 | 209 | 236 | 216 | 148 | 118 | 93 |

EXTINCTION COEFFICIENT = .284E-02 PER METER
VISIBILITY LIMIT, UPPER = 1377., LOWER = 1054. METERS
LIQUID WATER CONTENT = .03151 GM/M3
PARTICLE COUNT = 2.21 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 89 | 64 | 44 | 20 | 18 | 8 | 10 | 2 |
| 3 | 0 | 5 | 0 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .104E-02 PER METER
VISIBILITY LIMIT, UPPER = 3757., LOWER = 2877. METERS
LIQUID WATER CONTENT = .02291 GM/M3
PARTICLE COUNT = .18 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .626E-02 PER METER
VISIBILITY LIMIT, UPPER = 625., LOWER = 479. METERS
LIQUID WATER CONTENT = .05998 GM/M3
PARTICLE COUNT = 42.65 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 54
FOR DATA STARTING 5: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4519 | 12923 | 7869 | 1500 | 396 | 51 | 50 | 50 |
| 55 | 45 | 50 | 60 | 72 | 78 | 103 | 110 |

EXTINCTION COEFFICIENT = .103E-02 PER METER
VISIBILITY LIMIT, UPPER = 3804., LOWER = 2913. METERS
LIQUID WATER CONTENT = .00221 GM/M3
PARTICLE COUNT = 18.62 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 76 | 48 | 21 | 23 | 8 | 1 | 0 | 4 |
| 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .693E-04 PER METER
VISIBILITY LIMIT, UPPER = 56463., LOWER = 43242. METERS
LIQUID WATER CONTENT = .00047 GM/M3
PARTICLE COUNT = .12 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .497E-05 PER METER
VISIBILITY LIMIT, UPPER =787362., LOWER =603000. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .110E-02 PER METER
VISIBILITY LIMIT, UPPER = 3548., LOWER = 2717. METERS
LIQUID WATER CONTENT = .00279 GM/M3
PARTICLE COUNT = 18.75 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 55
FOR DATA STARTING 5:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 18230 | 62825 | 30453 | 4920 | 832 | 165 | 200 | 208 |
| 240 | 258 | 314 | 330 | 315 | 387 | 389 | 396 |

EXTINCTION COEFFICIENT = .439E-02 PER METER
VISIBILITY LIMIT, UPPER = 891., LOWER = 682. METERS
LIQUID WATER CONTENT = .00937 GM/M3
PARTICLE COUNT = 80.31 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 373 | 439 | 450 | 415 | 461 | 351 | 328 | 241 |
| 239 | 268 | 280 | 275 | 232 | 194 | 164 | 140 |

EXTINCTION COEFFICIENT = .401E-02 PER METER
VISIBILITY LIMIT, UPPER = 975., LOWER = 747. METERS
LIQUID WATER CONTENT = .04360 GM/M3
PARTICLE COUNT = 3.23 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 120 | 77 | 48 | 30 | 16 | 10 | 6 | 6 |
| 5 | 5 | 3 | 1 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .129E-02 PER METER
VISIBILITY LIMIT, UPPER = 3027., LOWER = 2319. METERS
LIQUID WATER CONTENT = .02852 GM/M3
PARTICLE COUNT = .22 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .970E-02 PER METER
VISIBILITY LIMIT, UPPER = 403., LOWER = 309. METERS
LIQUID WATER CONTENT = .08149 GM/M3
PARTICLE COUNT = 83.76 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 56
FOR DATA STARTING 5:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 22933 | 72930 | 33566 | 4848 | 718 | 142 | 140 | 165 |
| 157 | 164 | 175 | 216 | 242 | 202 | 234 | 245 |

EXTINCTION COEFFICIENT = .478E-02 PER METER
VISIBILITY LIMIT, UPPER = 818., LOWER = 626. METERS
LIQUID WATER CONTENT = .00969 GM/M3
PARTICLE COUNT = 91.38 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 255 | 232 | 300 | 333 | 319 | 303 | 227 | 233 |
| 226 | 203 | 199 | 207 | 160 | 104 | 77 | 52 |

EXTINCTION COEFFICIENT = .271E-02 PER METER
VISIBILITY LIMIT, UPPER = 1442., LOWER = 1104. METERS
LIQUID WATER CONTENT = .02826 GM/M3
PARTICLE COUNT = 2.29 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 31 | 31 | 15 | 11 | 7 | 9 | 3 | 5 |
| 1 | 4 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .514E-03 PER METER
VISIBILITY LIMIT, UPPER = 7611., LOWER = 5829. METERS
LIQUID WATER CONTENT = .01198 GM/M3
PARTICLE COUNT = .08 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .801E-02 PER METER
VISIBILITY LIMIT, UPPER = 488., LOWER = 374. METERS
LIQUID WATER CONTENT = .04992 GM/M3
PARTICLE COUNT = 93.75 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 57
FOR DATA STARTING 5:30 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12211 | 47499 | 24255 | 3829 | 717 | 189 | 194 | 230 |
| 236 | 255 | 334 | 344 | 387 | 459 | 572 | 595 |

EXTINCTION COEFFICIENT = .356E-02 PER METER
VISIBILITY LIMIT, UPPER = 1098., LOWER = 841. METERS
LIQUID WATER CONTENT = .00814 GM/M3
PARTICLE COUNT = 61.54 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 537 | 462 | 557 | 593 | 542 | 548 | 427 | 420 |
| 360 | 387 | 382 | 329 | 290 | 130 | 97 | 74 |

EXTINCTION COEFFICIENT = .463E-02 PER METER
VISIBILITY LIMIT, UPPER = 844., LOWER = 646. METERS
LIQUID WATER CONTENT = .04706 GM/M3
PARTICLE COUNT = 4.09 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 45 | 32 | 8 | 11 | 10 | 7 | 5 | 3 |
| 1 | 2 | 1 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .509E-03 PER METER
VISIBILITY LIMIT, UPPER = 7689., LOWER = 5889. METERS
LIQUID WATER CONTENT = .01134 GM/M3
PARTICLE COUNT = .08 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .871E-02 PER METER
VISIBILITY LIMIT, UPPER = 449., LOWER = 344. METERS
LIQUID WATER CONTENT = .06655 GM/M3
PARTICLE COUNT = 65.71 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 58
FOR DATA STARTING 5:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 20585 | 61986 | 29271 | 4497 | 797 | 204 | 179 | 199 |
| 230 | 240 | 284 | 280 | 300 | 351 | 368 | 397 |

EXTINCTION COEFFICIENT = .434E-02 PER METER
VISIBILITY LIMIT, UPPER = 901., LOWER = 690. METERS
LIQUID WATER CONTENT = .00920 GM/M3
PARTICLE COUNT = 80.11 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 448 | 432 | 484 | 472 | 432 | 328 | 238 | 202 |
| 130 | 114 | 90 | 74 | 46 | 24 | 21 | 20 |

EXTINCTION COEFFICIENT = .201E-02 PER METER
VISIBILITY LIMIT, UPPER = 1947., LOWER = 1491. METERS
LIQUID WATER CONTENT = .01744 GM/M3
PARTICLE COUNT = 2.37 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 8 | 14 | 2 | 7 | 2 | 6 | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .221E-03 PER METER
VISIBILITY LIMIT, UPPER = 17694., LOWER = 13551. METERS
LIQUID WATER CONTENT = .00513 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .657E-02 PER METER
VISIBILITY LIMIT, UPPER = 595., LOWER = 456. METERS
LIQUID WATER CONTENT = .03176 GM/M3
PARTICLE COUNT = 82.52 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 59
FOR DATA STARTING 5:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 21398 | 59444 | 26730 | 4466 | 718 | 89 | 83 | 86 |
| 108 | 104 | 122 | 145 | 139 | 187 | 242 | 214 |

EXTINCTION COEFFICIENT = .397E-02 PER METER
VISIBILITY LIMIT, UPPER = 985., LOWER = 754. METERS
LIQUID WATER CONTENT = .00803 GM/M3
PARTICLE COUNT = 76.18 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 205 | 248 | 266 | 221 | 207 | 143 | 80 | 38 |
| 22 | 14 | 13 | 14 | 7 | 5 | 5 | 6 |

EXTINCTION COEFFICIENT = .712E-03 PER METER
VISIBILITY LIMIT, UPPER = 5496., LOWER = 4209. METERS
LIQUID WATER CONTENT = .00553 GM/M3
PARTICLE COUNT = 1.00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 4 | 2 | 6 | 6 | 3 | 0 | 1 |
| 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .156E-03 PER METER
VISIBILITY LIMIT, UPPER = 25018., LOWER = 19160. METERS
LIQUID WATER CONTENT = .00421 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-04 PER METER
VISIBILITY LIMIT, UPPER =140040., LOWER =107249. METERS
LIQUID WATER CONTENT = .00152 GM/M3
PARTICLE COUNT = .00 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .487E-02 PER METER
VISIBILITY LIMIT, UPPER = 804., LOWER = 616. METERS
LIQUID WATER CONTENT = .01929 GM/M3
PARTICLE COUNT = 77.20 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 60
FOR DATA STARTING 6: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 19630 | 51670 | 22613 | 4460 | 734 | 19 | 17 | 09 |
| 11 | 07 | 13 | 12 | 11 | 23 | 22 | 24 |

EXTINCTION COEFFICIENT = .331E-02 PER METER
VISIBILITY LIMIT, UPPER = 1181., LOWER = 905. METERS
LIQUID WATER CONTENT = .00630 GM/M3
PARTICLE COUNT = 66.18 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 25 | 21 | 23 | 24 | 11 | 11 | 5 | 4 |
| 4 | 1 | 1 | 3 | 0 | 3 | 0 | 0 |

EXTINCTION COEFFICIENT = .661E-04 PER METER
VISIBILITY LIMIT, UPPER = 59203., LOWER = 45340. METERS
LIQUID WATER CONTENT = .00053 GM/M3
PARTICLE COUNT = .09 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 1 | 0 | 1 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .351E-04 PER METER
VISIBILITY LIMIT, UPPER =111490., LOWER = 85385. METERS
LIQUID WATER CONTENT = .00085 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .341E-02 PER METER
VISIBILITY LIMIT, UPPER = 1146., LOWER = 878. METERS
LIQUID WATER CONTENT = .00768 GM/M3
PARTICLE COUNT = 66.28 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 61
FOR DATA STARTING 6:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15452 | 47970 | 23460 | 4340 | 737 | 75 | 47 | 57 |
| 61 | 58 | 61 | 78 | 78 | 71 | 107 | 114 |

EXTINCTION COEFFICIENT = .319E-02 PER METER
VISIBILITY LIMIT, UPPER = 1225., LOWER = 938. METERS
LIQUID WATER CONTENT = .00632 GM/M3
PARTICLE COUNT = 61.84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 85 | 89 | 63 | 57 | 47 | 24 | 19 | 11 |
| 6 | 6 | 11 | 11 | 1 | 5 | 3 | 2 |

EXTINCTION COEFFICIENT = .220E-03 PER METER
VISIBILITY LIMIT, UPPER = 17802., LOWER = 13633. METERS
LIQUID WATER CONTENT = .00183 GM/M3
PARTICLE COUNT = .29 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 1 | 0 | 1 | 0 | 3 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .434E-04 PER METER
VISIBILITY LIMIT, UPPER = 90125., LOWER = 69022. METERS
LIQUID WATER CONTENT = .00098 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .346E-02 PER METER
VISIBILITY LIMIT, UPPER = 1131., LOWER = 866. METERS
LIQUID WATER CONTENT = .00912 GM/M3
PARTICLE COUNT = 62.14 PER CC

NEPHELOMETER DATA

SERIES # CTS= 7, TEST # 82
FOR DATA STARTING 6:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8357 | 23289 | 12944 | 2568 | 627 | 75 | 84 | 96 |
| 93 | 111 | 93 | 122 | 142 | 173 | 245 | 278 |

EXTINCTION COEFFICIENT = .185E-02 PER METER
VISIBILITY LIMIT, UPPER = 2119., LOWER = 1623. METERS
LIQUID WATER CONTENT = .00408 GM/M3
PARTICLE COUNT = 32.86 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 162 | 101 | 70 | 44 | 23 | 3 | 4 | 1 |
| 3 | 5 | 2 | 2 | 0 | 2 | 1 | 1 |

EXTINCTION COEFFICIENT = .160E-03 PER METER
VISIBILITY LIMIT, UPPER = 24383., LOWER = 18674. METERS
LIQUID WATER CONTENT = .00111 GM/M3
PARTICLE COUNT = .28 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .118E-04 PER METER
VISIBILITY LIMIT, UPPER =332057., LOWER =254305. METERS
LIQUID WATER CONTENT = .00042 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .202E-02 PER METER
VISIBILITY LIMIT, UPPER = 1938., LOWER = 1484. METERS
LIQUID WATER CONTENT = .00561 GM/M3
PARTICLE COUNT = 33.15 PER CC

NEPHELOMETER DATA

SERIES # CTS- 7, TEST # 63
FOR DATA STARTING 6130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7503 | 21046 | 11609 | 2307 | 552 | 63 | 49 | 69 |
| 56 | 76 | 76 | 64 | 80 | 97 | 103 | 117 |

EXTINCTION COEFFICIENT = .157E-02 PER METER
VISIBILITY LIMIT, UPPER = 2490., LOWER = 1907. METERS
LIQUID WATER CONTENT = .00327 GM/M3
PARTICLE COUNT = 29.24 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 73 | 32 | 28 | 19 | 8 | 5 | 2 | 0 |
| 2 | 2 | 0 | 1 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .651E-04 PER METER
VISIBILITY LIMIT, UPPER = 60092., LOWER = 46021. METERS
LIQUID WATER CONTENT = .00045 GM/M3
PARTICLE COUNT = .12 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .853E-05 PER METER
VISIBILITY LIMIT, UPPER =458532., LOWER =351166. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .164E-02 PER METER
VISIBILITY LIMIT, UPPER = 2378., LOWER = 1821. METERS
LIQUID WATER CONTENT = .00390 GM/M3
PARTICLE COUNT = 29.36 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 1
FOR DATA STARTING 19:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 308 | 1624 | 889 | 234 | 57 | 6 | 0 | 0 |
| 2 | 2 | 1 | 1 | 0 | 0 | 2 | 1 |

EXTINCTION COEFFICIENT = .109E-03 PER METER
VISIBILITY LIMIT, UPPER = 35982., LOWER = 27557. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 2.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 2 | 0 | 0 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .355E-05 PER METER
VISIBILITY LIMIT, UPPER =1103513, LOWER =845124. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .112E-03 PER METER
VISIBILITY LIMIT, UPPER = 34846., LOWER = 26687. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 2.09 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 2
FOR DATA STARTING 201 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 143 | 1556 | 781 | 246 | 63 | 6 | 0 | 2 |
| 0 | 1 | 0 | 0 | 2 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .982E-04 PER METER
VISIBILITY LIMIT, UPPER = 39830., LOWER = 30504. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.87 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .262E-05 PER METER
VISIBILITY LIMIT, UPPER =1495360, LOWER =1145219 METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .101E-03 PER METER
VISIBILITY LIMIT, UPPER = 38797., LOWER = 29713. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.87 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 3
FOR DATA STARTING 20:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 113 | 1483 | 690 | 207 | 72 | 9 | 0 | 0 |
| 3 | 1 | 1 | 0 | 0 | 0 | 2 | 0 |

EXTINCTION COEFFICIENT = .907E-04 PER METER
VISIBILITY LIMIT, UPPER = 43149., LOWER = 33045. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = 1.72 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 2 | 1 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .317E-05 PER METER
VISIBILITY LIMIT, UPPER =1233029, LOWER =944314. METERS
LIQUID WATER CONTENT = .00002 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .938E-04 PER METER
VISIBILITY LIMIT, UPPER = 41690., LOWER = 31928. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = 1.72 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 4
FOR DATA STARTING 20120 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 126 | 1414 | 658 | 224 | 55 | 4 | 0 | 1 |
| 1 | 1 | 2 | 0 | 1 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .872E-04 PER METER
VISIBILITY LIMIT, UPPER = 44877., LOWER = 34369. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .497E-06 PER METER
VISIBILITY LIMIT, UPPER =7871786, LOWER =6028596 METERS
LIQUID WATER CONTENT = .00000 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .877E-04 PER METER
VISIBILITY LIMIT, UPPER = 44623., LOWER = 34174. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.66 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 5
FOR DATA STARTING 20130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 104 | 1271 | 662 | 198 | 45 | 8 | 1 | 1 |
| 0 | 3 | 3 | 2 | 3 | 0 | 1 | 4 |

EXTINCTION COEFFICIENT = .826E-04 PER METER
VISIBILITY LIMIT, UPPER = 47386., LOWER = 36290. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.54 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 2 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .500E-05 PER METER
VISIBILITY LIMIT, UPPER =782754., LOWER =599471. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .876E-04 PER METER
VISIBILITY LIMIT, UPPER = 44681., LOWER = 34219. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 1.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 6
FOR DATA STARTING 20:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 118 | 1250 | 635 | 184 | 54 | 4 | 0 | 1 |
| 1 | 1 | 0 | 2 | 0 | 1 | 0 | 4 |

EXTINCTION COEFFICIENT = .798E-04 PER METER
VISIBILITY LIMIT, UPPER = 48996., LOWER = 37523. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.50 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .193E-05 PER METER
VISIBILITY LIMIT, UPPER =2028186, LOWER =1553283 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .818E-04 PER METER
VISIBILITY LIMIT, UPPER = 47840., LOWER = 36638. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.51 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 7
FOR DATA STARTING 20:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 100 | 1217 | 619 | 199 | 53 | 3 | 1 | 0 |
| 0 | 1 | 0 | 1 | 1 | 0 | 3 | 1 |

EXTINCTION COEFFICIENT = .779E-04 PER METER
VISIBILITY LIMIT, UPPER = 50243., LOWER = 38479. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 1 | 1 | 2 | 1 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .673E-05 PER METER
VISIBILITY LIMIT, UPPER =581018., LOWER =444972. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .878E-04 PER METER
VISIBILITY LIMIT, UPPER = 44545., LOWER = 34115. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = 1.47 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 8
FOR DATA STARTING 21: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 99 | 1347 | 674 | 200 | 57 | 11 | 0 | 0 |
| 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .839E-04 PER METER
VISIBILITY LIMIT, UPPER = 46629., LOWER = 35711. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.59 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .242E-05 PER METER
VISIBILITY LIMIT, UPPER =1616751, LOWER =1238186 METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .863E-04 PER METER
VISIBILITY LIMIT, UPPER = 45322., LOWER = 34710. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = 1.59 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 9
FOR DATA STARTING 21:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 109 | 1286 | 635 | 173 | 61 | 6 | 3 | 0 |
| 1 | 3 | 0 | 0 | 1 | 0 | 0 | 3 |

EXTINCTION COEFFICIENT = .805E-04 PER METER
VISIBILITY LIMIT, UPPER = 48577., LOWER = 37203. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.52 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .226E-05 PER METER
VISIBILITY LIMIT, UPPER =1732036, LOWER =1326477 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .856E-04 PER METER
VISIBILITY LIMIT, UPPER = 45709., LOWER = 35006. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.53 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 10
FOR DATA STARTING 21:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 150 | 1121 | 587 | 154 | 50 | 7 | 0 | 3 |
| 2 | 2 | 2 | 1 | 2 | 1 | 7 | 3 |

EXTINCTION COEFFICIENT = .754E-04 PER METER
VISIBILITY LIMIT, UPPER = 51849., LOWER = 39709. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.39 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 2 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .346E-05 PER METER
VISIBILITY LIMIT, UPPER =1131934, LOWER =866890. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .789E-04 PER METER
VISIBILITY LIMIT, UPPER = 49578., LOWER = 37970. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = 1.40 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 11
FOR DATA STARTING 21130 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 375 | 1204 | 664 | 169 | 58 | 8 | 2 | 2 |
| 0 | 2 | 1 | 1 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .856E-04 PER METER
VISIBILITY LIMIT, UPPER = 45678., LOWER = 34982. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-06 PER METER
VISIBILITY LIMIT, UPPER =$$$$$$$, LOWER =9283190 METERS
LIQUID WATER CONTENT = .00000 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .860E-04 PER METER
VISIBILITY LIMIT, UPPER = 45506., LOWER = 34851. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.66 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 12
FOR DATA STARTING 21:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 352 | 961 | 606 | 151 | 50 | 9 | 0 | 1 |
| 2 | 2 | 4 | 3 | 2 | 3 | 2 | 2 |

EXTINCTION COEFFICIENT = .761E-04 PER METER
VISIBILITY LIMIT, UPPER = 51438., LOWER = 39394. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.43 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 2 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .577E-05 PER METER
VISIBILITY LIMIT, UPPER =677454., LOWER =518827. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .818E-04 PER METER
VISIBILITY LIMIT, UPPER = 47808., LOWER = 36614. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.44 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 13
FOR DATA STARTING 21:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 374 | 826 | 551 | 136 | 52 | 7 | 5 | 3 |
| 8 | 4 | 3 | 2 | 2 | 5 | 2 | 3 |

EXTINCTION COEFFICIENT = .712E-04 PER METER
VISIBILITY LIMIT, UPPER = 54968., LOWER = 42097, METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.32 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 2 | 4 | 1 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .759E-05 PER METER
VISIBILITY LIMIT, UPPER =515481., LOWER =394780, METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .788E-04 PER METER
VISIBILITY LIMIT, UPPER = 49671., LOWER = 38041, METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 1.33 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 14
FOR DATA STARTING 22: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 369 | 1092 | 629 | 175 | 50 | 6 | 1 | 1 |
| 2 | 1 | 2 | 2 | 3 | 1 | 1 | 2 |

EXTINCTION COEFFICIENT = .817E-04 PER METER
VISIBILITY LIMIT, UPPER = 47910., LOWER = 36692. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.56 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 3 | 0 | 0 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .375E-05 PER METER
VISIBILITY LIMIT, UPPER =1043082, LOWER =798843. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .854E-04 PER METER
VISIBILITY LIMIT, UPPER = 45807., LOWER = 35081. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.56 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 15
FOR DATA STARTING 22:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 375 | 895 | 575 | 154 | 49 | 10 | 3 | 0 |
| 4 | 4 | 11 | 5 | 1 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .741E-04 PER METER
VISIBILITY LIMIT, UPPER = 52763., LOWER = 40408. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.39 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 6 | 5 | 4 | 2 | 0 | 0 | 1 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .106E-04 PER METER
VISIBILITY LIMIT, UPPER =369154., LOWER =282716. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .847E-04 PER METER
VISIBILITY LIMIT, UPPER = 46165., LOWER = 35355. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.41 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 16
FOR DATA STARTING 22:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 371 | 861 | 569 | 134 | 48 | 9 | 1 | 2 |
| 7 | 8 | 7 | 1 | 4 | 1 | 4 | 6 |

EXTINCTION COEFFICIENT = .738E-04 PER METER
VISIBILITY LIMIT, UPPER = 53035., LOWER = 40617. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.36 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 6 | 1 | 4 | 1 | 1 | 1 | 3 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .122E-04 PER METER
VISIBILITY LIMIT, UPPER =320661., LOWER =245577. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .903E-04 PER METER
VISIBILITY LIMIT, UPPER = 43339., LOWER = 33191. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = 1.37 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 17
FOR DATA STARTING 22:30 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 297 | 912 | 620 | 178 | 51 | 3 | 3 | 5 |
| 5 | 2 | 6 | 3 | 4 | 2 | 4 | 5 |

EXTINCTION COEFFICIENT = .766E-04 PER METER
VISIBILITY LIMIT, UPPER = 51066., LOWER = 39109. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.40 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 5 | 3 | 1 | 0 | 1 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .678E-05 PER METER
VISIBILITY LIMIT, UPPER =577395., LOWER =442197. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .834E-04 PER METER
VISIBILITY LIMIT, UPPER = 46916., LOWER = 35931. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 1.41 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 18
FOR DATA STARTING 22:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 408 | 995 | 577 | 156 | 54 | 7 | 2 | 6 |
| 4 | 7 | 8 | 2 | 2 | 3 | 6 | 0 |

EXTINCTION COEFFICIENT = .798E-04 PER METER
VISIBILITY LIMIT, UPPER = 49006., LOWER = 37531. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.49 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 5 | 1 | 1 | 2 | 1 | 1 | 2 |
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .114E-04 PER METER
VISIBILITY LIMIT, UPPER =342720., LOWER =262472. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .912E-04 PER METER
VISIBILITY LIMIT, UPPER = 42876., LOWER = 32836. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 1.51 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 19
FOR DATA STARTING 22:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 439 | 917 | 627 | 155 | 45 | 12 | 1 | 2 |
| 4 | 3 | 2 | 5 | 0 | 2 | 3 | 1 |

EXTINCTION COEFFICIENT = .779E-04 PER METER
VISIBILITY LIMIT, UPPER = 50235., LOWER = 38473. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.48 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 1 | 1 | 3 | 1 | 1 | 0 |
| 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .961E-05 PER METER
VISIBILITY LIMIT, UPPER =406932., LOWER =311648. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .875E-04 PER METER
VISIBILITY LIMIT, UPPER = 44715., LOWER = 34245. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 1.49 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 20
FOR DATA STARTING 23: 0 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 446 | 997 | 625 | 176 | 56 | 10 | 2 | 3 |
| 3 | 4 | 6 | 1 | 4 | 3 | 1 | 3 |

EXTINCTION COEFFICIENT = .829E-04 PER METER
VISIBILITY LIMIT, UPPER = 47206., LOWER = 36152. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.56 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 1 | 1 | 2 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .324E-05 PER METER
VISIBILITY LIMIT, UPPER =1208293, LOWER =925369. METERS
LIQUID WATER CONTENT = .00002 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .861E-04 PER METER
VISIBILITY LIMIT, UPPER = 45431., LOWER = 34793. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.57 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 21
FOR DATA STARTING 23:10 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 470 | 1025 | 696 | 170 | 61 | 4 | 1 | 2 |
| 1 | 3 | 3 | 3 | 1 | 2 | 3 | 0 |

EXTINCTION COEFFICIENT = .853E-04 PER METER
VISIBILITY LIMIT, UPPER = 45875., LOWER = 35133. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.63 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 2 | 0 | 3 | 1 | 0 | 1 |
| 1 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .959E-05 PER METER
VISIBILITY LIMIT, UPPER =407948., LOWER =312426. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .949E-04 PER METER
VISIBILITY LIMIT, UPPER = 41237., LOWER = 31582. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 1.64 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 22
FOR DATA STARTING 23:20 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 357 | 861 | 630 | 135 | 41 | 9 | 3 | 4 |
| 2 | 4 | 3 | 3 | 3 | 0 | 0 | 6 |

EXTINCTION COEFFICIENT = .734E-04 PER METER
VISIBILITY LIMIT, UPPER = 53297., LOWER = 40818. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.37 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 5 | 4 | 3 | 1 | 0 | 2 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .678E-05 PER METER
VISIBILITY LIMIT, UPPER =577265., LOWER =442097. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .802E-04 PER METER
VISIBILITY LIMIT, UPPER = 48792., LOWER = 37368. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.39 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 23
FOR DATA STARTING 23:30 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 324 | 930 | 626 | 143 | 48 | 8 | 1 | 2 |
| 2 | 4 | 6 | 3 | 0 | 5 | 2 | 4 |

EXTINCTION COEFFICIENT = .756E-04 PER METER
VISIBILITY LIMIT, UPPER = 51726., LOWER = 39614. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.41 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 4 | 2 | 1 | 0 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .690E-05 PER METER
VISIBILITY LIMIT, UPPER =566997., LOWER =434234. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .858E-04 PER METER
VISIBILITY LIMIT, UPPER = 45618., LOWER = 34937. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 1.42 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 24
FOR DATA STARTING 23:40 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 376 | 1009 | 631 | 171 | 50 | 5 | 2 | 4 |
| 2 | 1 | 1 | 4 | 2 | 2 | 3 | 1 |

EXTINCTION COEFFICIENT = .797E-04 PER METER
VISIBILITY LIMIT, UPPER = 49105., LOWER = 37607. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.51 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 2 | 2 | 3 | 2 | 0 | 2 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .725E-05 PER METER
VISIBILITY LIMIT, UPPER =539908., LOWER =413488. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .869E-04 PER METER
VISIBILITY LIMIT, UPPER = 45012., LOWER = 34472. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.52 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 25
FOR DATA STARTING 23:50 ON 23/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 137 | 1130 | 648 | 190 | 63 | 6 | 2 | 0 |
| 3 | 9 | 3 | 5 | 1 | 2 | 2 | 4 |

EXTINCTION COEFFICIENT = .804E-04 PER METER
VISIBILITY LIMIT, UPPER = 48672., LOWER = 37275. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.47 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 0 | 3 | 3 | 1 | 1 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .747E-05 PER METER
VISIBILITY LIMIT, UPPER =524016., LOWER =401317. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .878E-04 PER METER
VISIBILITY LIMIT, UPPER = 44535., LOWER = 34107. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.48 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 26
FOR DATA STARTING 01 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 96 | 1122 | 626 | 196 | 49 | 11 | 0 | 2 |
| 0 | 6 | 4 | 4 | 4 | 2 | 4 | 1 |

EXTINCTION COEFFICIENT = .776E-04 PER METER
VISIBILITY LIMIT, UPPER = 50415., LOWER = 38610. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.42 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 3 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .442E-05 PER METER
VISIBILITY LIMIT, UPPER =884278., LOWER =677223. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .820E-04 PER METER
VISIBILITY LIMIT, UPPER = 47696., LOWER = 36528. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.42 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 27
FOR DATA STARTING 0:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 186 | 1163 | 653 | 179 | 64 | 6 | 2 | 2 |
| 8 | 14 | 1 | 2 | 0 | 5 | 2 | 1 |

EXTINCTION COEFFICIENT = .827E-04 PER METER
VISIBILITY LIMIT, UPPER = 47306., LOWER = 36229. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.53 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 2 | 2 | 0 | 0 | 5 | 0 | 3 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .829E-05 PER METER
VISIBILITY LIMIT, UPPER =471704., LOWER =361254. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .942E-04 PER METER
VISIBILITY LIMIT, UPPER = 41522., LOWER = 31799. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = 1.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 28
FOR DATA STARTING 0120 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 101 | 1119 | 611 | 173 | 43 | 4 | 2 | 0 |
| 4 | 4 | 5 | 3 | 2 | 1 | 1 | 1 |

EXTINCTION COEFFICIENT = .744E-04 PER METER
VISIBILITY LIMIT, UPPER = 52598., LOWER = 40282. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.38 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 4 | 4 | 5 | 3 | 2 | 1 | 0 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .131E-04 PER METER
VISIBILITY LIMIT, UPPER =297880., LOWER =228131. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .875E-04 PER METER
VISIBILITY LIMIT, UPPER = 44704., LOWER = 34237. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 1.40 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 29
FOR DATA STARTING 0:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 393 | 1049 | 682 | 156 | 68 | 12 | 2 | 3 |
| 7 | 13 | 5 | 3 | 3 | 3 | 4 | 5 |

EXTINCTION COEFFICIENT = .874E-04 PER METER
VISIBILITY LIMIT, UPPER = 44747., LOWER = 34269. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = 1.61 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 1 | 1 | 3 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .604E-05 PER METER
VISIBILITY LIMIT, UPPER =648083., LOWER =496334. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .935E-04 PER METER
VISIBILITY LIMIT, UPPER = 41857., LOWER = 32056. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.61 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 30
FOR DATA STARTING 0140 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 562 | 1321 | 756 | 195 | 59 | 10 | 1 | 2 |
| 1 | 0 | 2 | 2 | 2 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .997E-04 PER METER
VISIBILITY LIMIT, UPPER = 39219., LOWER = 30036. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |

EXTINCTION COEFFICIENT = .715E-05 PER METER
VISIBILITY LIMIT, UPPER =547146., LOWER =419031. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .110E-03 PER METER
VISIBILITY LIMIT, UPPER = 35664., LOWER = 27313. METERS
LIQUID WATER CONTENT = .00033 GM/M3
PARTICLE COUNT = 1.95 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 31
FOR DATA STARTING 0150 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 345 | 1521 | 875 | 199 | 55 | 3 | 0 | 1 |
| 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |

EXTINCTION COEFFICIENT = .104E-03 PER METER
VISIBILITY LIMIT, UPPER = 37756., LOWER = 28915. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = 2.00 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 2 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .497E-05 PER METER
VISIBILITY LIMIT, UPPER =787689., LOWER =603251. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .109E-03 PER METER
VISIBILITY LIMIT, UPPER = 36029., LOWER = 27593. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = 2.00 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 32
FOR DATA STARTING 1: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 163 | 1115 | 652 | 172 | 53 | 4 | 0 | 4 |
| 8 | 3 | 7 | 5 | 0 | 2 | 0 | 1 |

EXTINCTION COEFFICIENT = .786E-04 PER METER
VISIBILITY LIMIT, UPPER = 49801., LOWER = 38140. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.46 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 1 | 1 | 1 | 0 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .547E-05 PER METER
VISIBILITY LIMIT, UPPER =715507., LOWER =547970. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .868E-04 PER METER
VISIBILITY LIMIT, UPPER = 45062., LOWER = 34511. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = 1.47 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 33
FOR DATA STARTING 1:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 330 | 1132 | 695 | 163 | 66 | 7 | 0 | 2 |
| 3 | 3 | 7 | 1 | 3 | 3 | 0 | 6 |

EXTINCTION COEFFICIENT = .865E-04 PER METER
VISIBILITY LIMIT, UPPER = 45211., LOWER = 34625. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = 1.61 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 1 | 4 | 0 | 0 | 4 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .783E-05 PER METER
VISIBILITY LIMIT, UPPER =499330., LOWER =382411. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .944E-04 PER METER
VISIBILITY LIMIT, UPPER = 41457., LOWER = 31750. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.62 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 34
FOR DATA STARTING 1120 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 346 | 1026 | 668 | 151 | 50 | 8 | 4 | 5 |
| 6 | 5 | 7 | 3 | 3 | 1 | 4 | 0 |

EXTINCTION COEFFICIENT = .816E-04 PER METER
VISIBILITY LIMIT, UPPER = 47970., LOWER = 36738. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.52 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 2 | 5 | 3 | 2 | 1 | 2 |
| 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .118E-04 PER METER
VISIBILITY LIMIT, UPPER =330150., LOWER =252845. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .934E-04 PER METER
VISIBILITY LIMIT, UPPER = 41884., LOWER = 32077. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = 1.54 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 35
FOR DATA STARTING 1:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 369 | 993 | 652 | 155 | 46 | 9 | 2 | 9 |
| 12 | 9 | 7 | 3 | 3 | 4 | 2 | 7 |

EXTINCTION COEFFICIENT = .835E-04 PER METER
VISIBILITY LIMIT, UPPER = 46853., LOWER = 35882. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.52 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 0 | 3 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .487E-05 PER METER
VISIBILITY LIMIT, UPPER =802787., LOWER =614814. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .884E-04 PER METER
VISIBILITY LIMIT, UPPER = 44269., LOWER = 33904. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 1.53 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 36
FOR DATA STARTING 1:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 398 | 911 | 706 | 153 | 51 | 7 | 3 | 1 |
| 8 | 7 | 8 | 8 | 0 | 1 | 1 | 4 |

EXTINCTION COEFFICIENT = .815E-04 PER METER
VISIBILITY LIMIT, UPPER = 48022., LOWER = 36778. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.51 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 4 | 3 | 5 | 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .898E-05 PER METER
VISIBILITY LIMIT, UPPER =435669., LOWER =333657. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .904E-04 PER METER
VISIBILITY LIMIT, UPPER = 43254., LOWER = 33126. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.52 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 37
FOR DATA STARTING 1150 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 425 | 946 | 699 | 155 | 40 | 12 | 1 | 4 |
| 5 | 9 | 9 | 1 | 2 | 4 | 3 | 4 |

EXTINCTION COEFFICIENT = .834E-04 PER METER
VISIBILITY LIMIT, UPPER = 46911., LOWER = 35927. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = 1.55 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 2 | 1 | 2 | 0 | 0 | 0 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .624E-05 PER METER
VISIBILITY LIMIT, UPPER =627329., LOWER =480439. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427., LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .929E-04 PER METER
VISIBILITY LIMIT, UPPER = 42131., LOWER = 32266. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = 1.55 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 38
FOR DATA STARTING 21 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 470 | 1009 | 742 | 157 | 61 | 9 | 0 | 4 |
| 1 | 5 | 5 | 1 | 4 | 3 | 3 | 3 |

EXTINCTION COEFFICIENT = .878E-04 PER METER
VISIBILITY LIMIT, UPPER = 44538., LOWER = 34109. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = 1.65 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 2 | 1 | 0 | 2 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .566E-05 PER METER
VISIBILITY LIMIT, UPPER =691383., LOWER =529495. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .935E-04 PER METER
VISIBILITY LIMIT, UPPER = 41843., LOWER = 32045. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.66 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 39
FOR DATA STARTING 2110 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 502 | 1188 | 803 | 180 | 54 | 5 | 1 | 3 |
| 4 | 14 | 5 | 7 | 3 | 1 | 1 | 4 |

EXTINCTION COEFFICIENT = .985E-04 PER METER
VISIBILITY LIMIT, UPPER = 39721., LOWER = 30420. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = 1.85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 1 | 3 | 1 | 2 | 1 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .602E-05 PER METER
VISIBILITY LIMIT, UPPER =650262., LOWER =498002. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .105E-03 PER METER
VISIBILITY LIMIT, UPPER = 37434., LOWER = 28669. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 40
FOR DATA STARTING 2120 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 665 | 1636 | 963 | 249 | 66 | 16 | 7 | 8 |
| 4 | 14 | 5 | 3 | 2 | 4 | 3 | 3 |

EXTINCTION COEFFICIENT = .128E-03 PER METER
VISIBILITY LIMIT, UPPER = 30451., LOWER = 23321. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = 2.43 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 1 | 4 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .270E-05 PER METER
VISIBILITY LIMIT, UPPER =1450858, LOWER =1111138 METERS
LIQUID WATER CONTENT = .00002 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .131E-03 PER METER
VISIBILITY LIMIT, UPPER = 29825., LOWER = 22842. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 2.44 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 41
FOR DATA STARTING 2130 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 702 | 1640 | 1127 | 271 | 67 | 6 | 1 | 6 |
| 8 | 13 | 9 | 2 | 4 | 1 | 5 | 3 |

EXTINCTION COEFFICIENT = .136E-03 PER METER
VISIBILITY LIMIT, UPPER = 28682., LOWER = 21966. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 2.58 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 2 | 4 | 1 | 2 | 1 | 1 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .860E-05 PER METER
VISIBILITY LIMIT, UPPER =454886., LOWER =348374. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .145E-03 PER METER
VISIBILITY LIMIT, UPPER = 26981., LOWER = 20663. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = 2.59 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 42
FOR DATA STARTING 2140 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 579 | 1467 | 1099 | 231 | 84 | 11 | 1 | 1 |
| 14 | 13 | 9 | 4 | 4 | 1 | 2 | 2 |

EXTINCTION COEFFICIENT = .125E-03 PER METER
VISIBILITY LIMIT, UPPER = 31225., LOWER = 23913. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 2.35 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 3 | 1 | 3 | 0 | 1 | 1 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .920E-05 PER METER
VISIBILITY LIMIT, UPPER =425012., LOWER =325495. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .134E-03 PER METER
VISIBILITY LIMIT, UPPER = 29088., LOWER = 22277. METERS
LIQUID WATER CONTENT = .00032 GM/M3
PARTICLE COUNT = 2.36 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 43
FOR DATA STARTING 2:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 508 | 1446 | 1007 | 233 | 62 | 9 | 5 | 10 |
| 4 | 16 | 14 | 3 | 6 | 3 | 0 | 4 |

EXTINCTION COEFFICIENT = .120E-03 PER METER
VISIBILITY LIMIT, UPPER = 32697., LOWER = 25041. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 2.22 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 5 | 5 | 0 | 1 | 2 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .881E-05 PER METER
VISIBILITY LIMIT, UPPER =444086., LOWER =340103. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .131E-03 PER METER
VISIBILITY LIMIT, UPPER = 29807., LOWER = 22827. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = 2.23 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 44
FOR DATA STARTING 3: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 547 | 1594 | 1053 | 260 | 65 | 5 | 4 | 4 |
| 5 | 7 | 9 | 3 | 2 | 4 | 4 | 0 |

EXTINCTION COEFFICIENT = .126E-03 PER METER
VISIBILITY LIMIT, UPPER = 31101., LOWER = 23818. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 2.38 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 5 | 1 | 3 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .922E-05 PER METER
VISIBILITY LIMIT, UPPER =424251., LOWER =324912. METERS
LIQUID WATER CONTENT = .0000 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .135E-03 PER METER
VISIBILITY LIMIT, UPPER = 28976., LOWER = 22192. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = 2.39 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 45
FOR DATA STARTING 3:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 501 | 1561 | 1105 | 251 | 79 | 19 | 4 | 6 |
| 10 | 13 | 6 | 11 | 8 | 4 | 5 | 2 |

EXTINCTION COEFFICIENT = .130E-03 PER METER
VISIBILITY LIMIT, UPPER = 30078., LOWER = 23035. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 2.39 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 1 | 3 | 1 | 1 | 3 | 0 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .742E-05 PER METER
VISIBILITY LIMIT, UPPER =527539., LOWER =404015. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .140E-03 PER METER
VISIBILITY LIMIT, UPPER = 27888., LOWER = 21358. METERS
LIQUID WATER CONTENT = .00037 GM/M3
PARTICLE COUNT = 2.40 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 46
FOR DATA STARTING 3:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 506 | 1863 | 1344 | 301 | 80 | 7 | 5 | 6 |
| 18 | 17 | 15 | 7 | 4 | 4 | 4 | 6 |

EXTINCTION COEFFICIENT = .152E-03 PER METER
VISIBILITY LIMIT, UPPER = 25703., LOWER = 19684. METERS
LIQUID WATER CONTENT = .00031 GM/M3
PARTICLE COUNT = 2.79 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 2 | 2 | 1 | 3 | 0 | 0 |
| 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .964E-05 PER METER
VISIBILITY LIMIT, UPPER =406011., LOWER =310943. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .162E-03 PER METER
VISIBILITY LIMIT, UPPER = 24172., LOWER = 18512. METERS
LIQUID WATER CONTENT = .00039 GM/M3
PARTICLE COUNT = 2.80 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 47
FOR DATA STARTING 3:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 492 | 1749 | 1278 | 321 | 88 | 12 | 5 | 3 |
| 6 | 16 | 9 | 5 | 2 | 1 | 4 | 5 |

EXTINCTION COEFFICIENT = .144E-03 PER METER
VISIBILITY LIMIT, UPPER = 27215., LOWER = 20843. METERS
LIQUID WATER CONTENT = .00029 GM/M3
PARTICLE COUNT = 2.66 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 1 | 1 | 7 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .107E-04 PER METER
VISIBILITY LIMIT, UPPER =365645., LOWER =280029. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .154E-03 PER METER
VISIBILITY LIMIT, UPPER = 25330., LOWER = 19399. METERS
LIQUID WATER CONTENT = .00040 GM/M3
PARTICLE COUNT = 2.68 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 48
FOR DATA STARTING 3:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 550 | 1836 | 1362 | 301 | 80 | 12 | 6 | 5 |
| 8 | 8 | 10 | 7 | 3 | 5 | 0 | 1 |

EXTINCTION COEFFICIENT = .149E-03 PER METER
VISIBILITY LIMIT, UPPER = 26239., LOWER = 20095. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = 2.80 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 4 | 1 | 1 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .541E-05 PER METER
VISIBILITY LIMIT, UPPER =723764., LOWER =554294. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .154E-03 PER METER
VISIBILITY LIMIT, UPPER = 25321., LOWER = 19392. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = 2.80 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 49
FOR DATA STARTING 3:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 491 | 1819 | 1335 | 284 | 104 | 16 | 4 | 7 |
| 17 | 11 | 10 | 9 | 3 | 3 | 2 | 3 |

EXTINCTION COEFFICIENT = .149E-03 PER METER
VISIBILITY LIMIT, UPPER = 26341., LOWER = 20173. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = 2.75 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 4 | 7 | 4 | 1 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .846E-05 PER METER
VISIBILITY LIMIT, UPPER =462538., LOWER =354234. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .157E-03 PER METER
VISIBILITY LIMIT, UPPER = 24922., LOWER = 19086. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = 2.76 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 50
FOR DATA STARTING 4: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 411 | 1926 | 1336 | 315 | 78 | 25 | 2 | 5 |
| 5 | 11 | 9 | 5 | 7 | 0 | 2 | 1 |

EXTINCTION COEFFICIENT = .148E-03 PER METER
VISIBILITY LIMIT, UPPER = 26447., LOWER = 20254. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = 2.76 ER CC

DATA FOR CHANNELS 17 THRU 3

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 3 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .382E-05 PER METER
VISIBILITY LIMIT, UPPER =1023118, LOWER =783553. METERS
LIQUID WATER CONTENT = 00002 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .152E-03 PER METER
VISIBILITY LIMIT, UPPER = 25781., LOWER = 19744. METERS
LIQUID WATER CONTENT = .00032 GM/M3
PARTICLE COUNT = 2.77 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 51
FOR DATA STARTING 4:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 572 | 1940 | 1411 | 350 | 86 | 10 | 4 | 4 |
| 14 | 9 | 9 | 5 | 0 | 2 | 1 | 1 |

EXTINCTION COEFFICIENT = .156E-03 PER METER
VISIBILITY LIMIT, UPPER = 25011., LOWER = 19155. METERS
LIQUID WATER CONTENT = .00031 GM/M3
PARTICLE COUNT = 2.95 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 5 | 2 | 4 | 2 | 0 | 1 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .966E-05 PER METER
VISIBILITY LIMIT, UPPER =405035., LOWER =310195. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .166E-03 PER METER
VISIBILITY LIMIT, UPPER = 23556., LOWER = 18041. METERS
LIQUID WATER CONTENT = .00038 GM/M3
PARTICLE COUNT = 2.96 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 52
FOR DATA STARTING 4120 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 304 | 2432 | 1544 | 378 | 128 | 12 | 7 | 7 |
| 11 | 13 | 13 | 10 | 5 | 2 | 5 | 4 |

EXTINCTION COEFFICIENT = .177E-03 PER METER
VISIBILITY LIMIT, UPPER = 22072., LOWER = 16904. METERS
LIQUID WATER CONTENT = .00036 GM/M3
PARTICLE COUNT = 3.25 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 6 | 6 | 3 | 0 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .123E-04 PER METER
VISIBILITY LIMIT, UPPER =318356., LOWER =243812. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .190E-03 PER METER
VISIBILITY LIMIT, UPPER = 20641., LOWER = 15808. METERS
LIQUID WATER CONTENT = .00047 GM/M3
PARTICLE COUNT = 3.27 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 53
FOR DATA STARTING 4:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 833 | 2910 | 2004 | 506 | 134 | 20 | 9 | 12 |
| 19 | 16 | 14 | 5 | 5 | 2 | 3 | 4 |

EXTINCTION COEFFICIENT = .231E-03 PER METER
VISIBILITY LIMIT, UPPER = 16904., LOWER = 12946. METERS
LIQUID WATER CONTENT = .00046 GM/M3
PARTICLE COUNT = 4.33 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 2 | 8 | 2 | 5 | 1 | 2 |
| 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .176E-04 PER METER
VISIBILITY LIMIT, UPPER =222893., LOWER =170703. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .249E-03 PER METER
VISIBILITY LIMIT, UPPER = 15713., LOWER = 12033. METERS
LIQUID WATER CONTENT = .00062 GM/M3
PARTICLE COUNT = 4.35 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 54
FOR DATA STARTING 4:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 382 | 3307 | 2108 | 483 | 131 | 20 | 7 | 12 |
| 12 | 28 | 30 | 13 | 6 | 4 | 5 | 8 |

EXTINCTION COEFFICIENT = .240E-03 PER METER
VISIBILITY LIMIT, UPPER = 16319., LOWER = 12498. METERS
LIQUID WATER CONTENT = .00049 GM/M3
PARTICLE COUNT = 4.37 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 5 | 2 | 3 | 1 | 1 | 1 | 0 |
| 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .121E-04 PER METER
VISIBILITY LIMIT, UPPER =324303., LOWER =248367. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .252E-03 PER METER
VISIBILITY LIMIT, UPPER = 15537., LOWER = 11899. METERS
LIQUID WATER CONTENT = .00059 GM/M3
PARTICLE COUNT = 4.39 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 55
FOR DATA STARTING 4150 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 198 | 3437 | 2079 | 507 | 129 | 19 | 15 | 18 |
| 30 | 23 | 21 | 8 | 2 | 2 | 2 | 7 |

EXTINCTION COEFFICIENT = .237E-03 PER METER
VISIBILITY LIMIT, UPPER = 16504., LOWER = 12639. METERS
LIQUID WATER CONTENT = .00048 GM/M3
PARTICLE COUNT = 4.33 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 2 | 5 | 7 | 5 | 2 | 0 | 1 |
| 0 | 1 | 2 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .173E-04 PER METER
VISIBILITY LIMIT, UPPER =225517., LOWER =172712. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .254E-03 PER METER
VISIBILITY LIMIT, UPPER = 15378., LOWER = 11777. METERS
LIQUID WATER CONTENT = .00063 GM/M3
PARTICLE COUNT = 4.35 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 56
FOR DATA STARTING 5: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 210 | 3674 | 2258 | 612 | 140 | 13 | 12 | 17 |
| 18 | 30 | 21 | 14 | 5 | 9 | 6 | 1 |

EXTINCTION COEFFICIENT = .258E-03 PER METER
VISIBILITY LIMIT, UPPER = 15178., LOWER = 11624. METERS
LIQUID WATER CONTENT = .00053 GM/M3
PARTICLE COUNT = 4.69 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 3 | 7 | 3 | 3 | 3 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .109E-04 PER METER
VISIBILITY LIMIT, UPPER =357723., LOWER =273961. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .269E-03 PER METER
VISIBILITY LIMIT, UPPER = 14560., LOWER = 11151. METERS
LIQUID WATER CONTENT = .00060 GM/M3
PARTICLE COUNT = 4.71 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 57
FOR DATA STARTING 5:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 153 | 3038 | 1868 | 456 | 120 | 18 | 4 | 4 |
| 11 | 11 | 11 | 5 | 5 | 1 | 3 | 2 |

EXTINCTION COEFFICIENT = .205E-03 PER METER
VISIBILITY LIMIT, UPPER = 19052., LOWER = 14591. METERS
LIQUID WATER CONTENT = .00041 GM/M3
PARTICLE COUNT = 3.81 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 2 | 3 | 3 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .559E-05 PER METER
VISIBILITY LIMIT, UPPER =700432., LOWER =536425. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .211E-03 PER METER
VISIBILITY LIMIT, UPPER = 18548., LOWER = 14205. METERS
LIQUID WATER CONTENT = .00045 GM/M3
PARTICLE COUNT = 3.82 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 58
FOR DATA STARTING 5:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 208 | 3255 | 2077 | 479 | 145 | 23 | 10 | 10 |
| 23 | 28 | 26 | 11 | 5 | 6 | 3 | 1 |

EXTINCTION COEFFICIENT = .233E-03 PER METER
VISIBILITY LIMIT, UPPER = 16807., LOWER = 12871. METERS
LIQUID WATER CONTENT = .00047 GM/M3
PARTICLE COUNT = 4.25 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 2 | 2 | 2 | 1 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .904E-05 PER METER
VISIBILITY LIMIT, UPPER =432797., LOWER =331457. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .242E-03 PER METER
VISIBILITY LIMIT, UPPER = 16178., LOWER = 12390. METERS
LIQUID WATER CONTENT = .00056 GM/M3
PARTICLE COUNT = 4.26 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 59
FOR DATA STARTING 5:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 258 | 3128 | 1929 | 517 | 116 | 9 | 7 | 14 |
| 14 | 27 | 28 | 13 | 3 | 3 | 4 | 5 |

EXTINCTION COEFFICIENT = .222E-03 PER METER
VISIBILITY LIMIT, UPPER = 17598., LOWER = 13478. METERS
LIQUID WATER CONTENT = .00045 GM/M3
PARTICLE COUNT = 4.05 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 1 | 3 | 0 | 0 | 1 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .539E-05 PER METER
VISIBILITY LIMIT, UPPER =725550., LOWER =555661. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .228E-03 PER METER
VISIBILITY LIMIT, UPPER = 17182., LOWER = 13158. METERS
LIQUID WATER CONTENT = .00050 GM/M3
PARTICLE COUNT = 4.06 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 60
FOR DATA STARTING 5:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 296 | 3078 | 2009 | 507 | 131 | 14 | 10 | 14 |
| 15 | 21 | 24 | 12 | 5 | 3 | 2 | 3 |

EXTINCTION COEFFICIENT = .224E-03 PER METER
VISIBILITY LIMIT, UPPER = 17479., LOWER = 13387. METERS
LIQUID WATER CONTENT = .00045 GM/M3
PARTICLE COUNT = 4.10 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 5 | 2 | 2 | 0 | 1 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .739E-05 PER METER
VISIBILITY LIMIT, UPPER =529091., LOWER =405203. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .231E-03 PER METER
VISIBILITY LIMIT, UPPER = 16920., LOWER = 12959. METERS
LIQUID WATER CONTENT = .00051 GM/M3
PARTICLE COUNT = 4.11 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 61
FOR DATA STARTING 5:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 408 | 3206 | 2007 | 541 | 126 | 20 | 11 | 14 |
| 17 | 22 | 20 | 17 | 8 | 1 | 7 | 1 |

EXTINCTION COEFFICIENT = .234E-03 PER METER
VISIBILITY LIMIT, UPPER = 16734., LOWER = 12815. METERS
LIQUID WATER CONTENT = .00048 GM/M3
PARTICLE COUNT = 4.28 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 5 | 2 | 2 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .826E-05 PER METER
VISIBILITY LIMIT, UPPER =473471., LOWER =362607. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .242E-03 PER METER
VISIBILITY LIMIT, UPPER = 16162., LOWER = 12378. METERS
LIQUID WATER CONTENT = .00054 GM/M3
PARTICLE COUNT = 4.30 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 62
FOR DATA STARTING 6: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 320 | 3578 | 2185 | 545 | 145 | 13 | 14 | 10 |
| 21 | 18 | 9 | 14 | 3 | 3 | 2 | 3 |

EXTINCTION COEFFICIENT = .248E-03 PER METER
VISIBILITY LIMIT, UPPER = 15785., LOWER = 12089. METERS
LIQUID WATER CONTENT = .00050 GM/M3
PARTICLE COUNT = 4.59 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 1 | 2 | 1 | 2 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .511E-05 PER METER
VISIBILITY LIMIT, UPPER =765342., LOWER =586136. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .253E-03 PER METER
VISIBILITY LIMIT, UPPER = 15466., LOWER = 11845. METERS
LIQUID WATER CONTENT = .00053 GM/M3
PARTICLE COUNT = 4.60 PER CC

NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 63
FOR DATA STARTING 6110 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1260 | 6038 | 3772 | 1015 | 257 | 20 | 11 | 9 |
| 15 | 21 | 21 | 12 | 8 | 1 | 3 | 5 |

EXTINCTION COEFFICIENT = .441E-03 PER METER
VISIBILITY LIMIT, UPPER = 8878., LOWER = 6799. METERS
LIQUID WATER CONTENT = .00087 GM/M3
PARTICLE COUNT = 8.31 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 2 | 1 | 0 | 3 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .565E-05 PER METER
VISIBILITY LIMIT, UPPER =692859., LOWER =530625. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .446E-03 PER METER
VISIBILITY LIMIT, UPPER = 8766., LOWER = 6713. METERS
LIQUID WATER CONTENT = .00091 GM/M3
PARTICLE COUNT = 8.32 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 8, TEST # 64
FOR DATA STARTING 6120 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4119 | 19174 | 14807 | 10832 | 3109 | 190 | 15 | 24 |
| 36 | 25 | 35 | 22 | 5 | 3 | 3 | 3 |

EXTINCTION COEFFICIENT = .194E-02 PER METER
VISIBILITY LIMIT, UPPER = 2021., LOWER = 1547. METERS
LIQUID WATER CONTENT = .00388 GM/M3
PARTICLE COUNT = 34.93 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 1 | 3 | 5 | 0 | 0 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .776E-05 PER METER
VISIBILITY LIMIT, UPPER =504221., LOWER =386157. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .194E-02 PER METER
VISIBILITY LIMIT, UPPER = 2012., LOWER = 1541. METERS
LIQUID WATER CONTENT = .00394 GM/M3
PARTICLE COUNT = 34.95 PER CC

NEPHELOMETER DATA

SERIES # CTS= 8, TEST # 65
FOR DATA STARTING 0130 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14986 | 32767 | 32767 | 32767 | 14726 | 322 | 23 | 39 |
| 53 | 80 | 76 | 43 | 23 | 7 | 1 | 5 |

EXTINCTION COEFFICIENT = .135E-01 PER METER
VISIBILITY LIMIT, UPPER = 290., LOWER = 222. METERS
LIQUID WATER CONTENT = .02698 GM/M3
PARTICLE COUNT = 242.37 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 2 | 4 | 5 | 1 | 1 | 1 | 0 |
| 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .103E-04 PER METER
VISIBILITY LIMIT, UPPER =380167., LOWER =291158. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .135E-01 PER METER
VISIBILITY LIMIT, UPPER = 290., LOWER = 222. METERS
LIQUID WATER CONTENT = .02706 GM/M3
PARTICLE COUNT = 242.39 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 1
FOR DATA STARTING 19150 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 574 | 670 | 347 | 89 | 34 | 5 | 0 | 0 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .566E-04 PER METER
VISIBILITY LIMIT, UPPER = 69107., LOWER = 52926, METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.15 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .765E-06 PER METER
VISIBILITY LIMIT, UPPER =5112018, LOWER =3915832 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .574E-04 PER METER
VISIBILITY LIMIT, UPPER = 68185., LOWER = 52220, METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.15 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 2
FOR DATA STARTING 281 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 514 | 536 | 283 | 85 | 28 | 6 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .476E-04 PER METER
VISIBILITY LIMIT, UPPER = 82158., LOWER = 62920. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .97 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .476E-04 PER METER
VISIBILITY LIMIT, UPPER = 82158., LOWER = 62920. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .97 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 3
FOR DATA STARTING 20:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 412 | 507 | 273 | 69 | 36 | 3 | 0 | 1 |
| 0 | 1 | 2 | 0 | 0 | 0 | 1 | 3 |

EXTINCTION COEFFICIENT = .443E-04 PER METER
VISIBILITY LIMIT, UPPER = 88223., LOWER = 67565. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .87 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .298E-05 PER METER
VISIBILITY LIMIT, UPPER =1314043, LOWER =1006358 METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .473E-04 PER METER
VISIBILITY LIMIT, UPPER = 82673., LOWER = 63315. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .87 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 4
FOR DATA STARTING 20:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 365 | 365 | 213 | 59 | 23 | 10 | 1 | 2 |
| 2 | 4 | 2 | 3 | 3 | 2 | 0 | 1 |

EXTINCTION COEFFICIENT = .367E-04 PER METER
VISIBILITY LIMIT, UPPER =106571., LOWER = 81617. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .70 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 1 | 1 | 2 | 2 | 1 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .554E-05 PER METER
VISIBILITY LIMIT, UPPER =705908., LOWER =540619. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .466E-04 PER METER
VISIBILITY LIMIT, UPPER = 84034., LOWER = 64358. METER.
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .71 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 5
FOR DATA STARTING 20130 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 339 | 431 | 223 | 62 | 19 | 6 | 0 | 2 |
| 2 | 1 | 2 | 0 | 2 | 2 | 1 | 0 |

EXTINCTION COEFFICIENT = .372E-04 PER METER
VISIBILITY LIMIT, UPPER =105120., LOWER = 80586. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 2 | 0 | 1 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .184E-05 PER METER
VISIBILITY LIMIT, UPPER =2124836, LOWER =1627303 METERS
LIQUID WATER CONTENT = .00001 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .391E-04 PER METER
VISIBILITY LIMIT, UPPER =100164., LOWER = 76711. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .73 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 6
FOR DATA STARTING 20:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 386 | 395 | 224 | 64 | 22 | 5 | 2 | 1 |
| 1 | 2 | 0 | 3 | 1 | 1 | 2 | 2 |

EXTINCTION COEFFICIENT = .382E-04 PER METER
VISIBILITY LIMIT, UPPER =102465., LOWER = 78473. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .74 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 2 | 2 | 0 | 0 | 0 | 0 | 1 |
| 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .489E-05 PER METER
VISIBILITY LIMIT, UPPER =799900., LOWER =612602. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .474E-04 PER METER
VISIBILITY LIMIT, UPPER = 82580., LOWER = 63244. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .75 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 7
FOR DATA STARTING 21:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 364 | 362 | 203 | 49 | 19 | 5 | 1 | 3 |
| 4 | 1 | 0 | 3 | 1 | 0 | 1 | 2 |

EXTINCTION COEFFICIENT = .348E-04 PER METER
VISIBILITY LIMIT, UPPER =112479., LOWER = 86142. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .68 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .420E-05 PER METER
VISIBILITY LIMIT, UPPER =931840., LOWER =713648. METERS
LIQUID WATER CONTENT = .00003 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .390E-04 PER METER
VISIBILITY LIMIT, UPPER =100365., LOWER = 76864. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .68 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 8
FOR DATA STARTING 21:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 370 | 360 | 194 | 43 | 17 | 5 | 1 | 2 |
| 3 | 1 | 2 | 3 | 1 | 0 | 1 | 4 |

EXTINCTION COEFFICIENT = .347E-04 PER METER
VISIBILITY LIMIT, UPPER =112593., LOWER = 86229. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .67 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 0 | 0 | 3 | 2 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .753E-05 PER METER
VISIBILITY LIMIT, UPPER =519684., LOWER =397999. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .423E-04 PER METER
VISIBILITY LIMIT, UPPER = 92543., LOWER = 70874. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .68 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 9
FOR DATA STARTING 21130 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 369 | 368 | 184 | 51 | 30 | 5 | 2 | 3 |
| 2 | 3 | 2 | 3 | 0 | 1 | 2 | 4 |

EXTINCTION COEFFICIENT = .361E-04 PER METER
VISIBILITY LIMIT, UPPER =108410., LOWER = 83026. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .69 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 1 | 1 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .482E-05 PER METER
VISIBILITY LIMIT, UPPER =810979., LOWER =621087. METERS
LIQUID WATER CONTENT = .00004 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .409E-04 PER METER
VISIBILITY LIMIT, UPPER = 95627., LOWER = 73236. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .69 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 10
FOR DATA STARTING 21:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 277 | 375 | 178 | 63 | 27 | 3 | 1 | 4 |
| 1 | 1 | 2 | 1 | 2 | 1 | 4 | 4 |

EXTINCTION COEFFICIENT = .339E-04 PER METER
VISIBILITY LIMIT, UPPER =115237., LOWER = 88254. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .63 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 2 | 1 | 3 | 3 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .874E-05 PER METER
VISIBILITY LIMIT, UPPER =447456., LOWER =342684. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .427E-04 PER METER
VISIBILITY LIMIT, UPPER = 91637., LOWER = 70180. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .64 PER CC

NEPHELOMETER DATA

SERIES 4 CTS- 9, TEST # 11
FOR DATA STARTING 21:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 330 | 374 | 211 | 47 | 30 | 4 | 0 | 2 |
| 3 | 2 | 6 | 2 | 1 | 0 | 1 | 3 |

EXTINCTION COEFFICIENT = .356E-04 PER METER
VISIBILITY LIMIT, UPPER =109881., LOWER = 84152. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .68 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 1 | 4 | 3 | 3 | 3 | 0 | 0 |
| 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .112E-04 PER METER
VISIBILITY LIMIT, UPPER =349599., LOWER =267740. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .500E-04 PER METER
VISIBILITY LIMIT, UPPER = 78211., LOWER = 59898. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = .69 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 12
FOR DATA STARTING 22:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 377 | 426 | 230 | 47 | 20 | 8 | 1 | 2 |
| 4 | 7 | 1 | 4 | 2 | 2 | 2 | 4 |

EXTINCTION COEFFICIENT = .404E-04 PER METER
VISIBILITY LIMIT, UPPER = 96939., LOWER = 74241. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .76 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 5 | 2 | 5 | 0 | 2 | 1 |
| 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .115E-04 PER METER
VISIBILITY LIMIT, UPPER =341008., LOWER =261160. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .518E-04 PER METER
VISIBILITY LIMIT, UPPER = 75482., LOWER = 57808. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .77 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 13
FOR DATA STARTING 22:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 403 | 447 | 234 | 52 | 24 | 2 | 0 | 0 |
| 6 | 4 | 4 | 1 | 0 | 2 | 2 | 6 |

EXTINCTION COEFFICIENT = .417E-04 PER METER
VISIBILITY LIMIT, UPPER = 93712., LOWER = 71770. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .79 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 2 | 2 | 2 | 0 | 0 | 1 |
| 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .959E-05 PER METER
VISIBILITY LIMIT, UPPER =407945., LOWER =312424. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .546E-04 PER METER
VISIBILITY LIMIT, UPPER = 71700., LOWER = 54911. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .80 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 14
FOR DATA STARTING 22:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 383 | 500 | 242 | 64 | 20 | 4 | 2 | 3 |
| 0 | 4 | 2 | 2 | 3 | 4 | 3 | 2 |

EXTINCTION COEFFICIENT = .434E-04 PER METER
VISIBILITY LIMIT, UPPER = 90065., LOWER = 68976. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .83 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 3 | 2 | 2 | 1 | 0 | 2 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .716E-05 PER METER
VISIBILITY LIMIT, UPPER =546124., LOWER =418248. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .506E-04 PER METER
VISIBILITY LIMIT, UPPER = 77314., LOWER = 59211. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .84 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 15
FOR DATA STARTING 22:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 364 | 468 | 266 | 63 | 17 | 4 | 1 | 3 |
| 4 | 3 | 1 | 4 | 5 | 1 | 4 | 6 |

EXTINCTION COEFFICIENT = .439E-04 PER METER
VISIBILITY LIMIT, UPPER = 89191., LOWER = 68307. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .81 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 6 | 2 | 1 | 0 | 1 | 0 | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .896E-05 PER METER
VISIBILITY LIMIT, UPPER =436781., LOWER =334508. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .528E-04 PER METER
VISIBILITY LIMIT, UPPER = 74067., LOWER = 56724. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .82 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 16
FOR DATA STARTING 23: 0 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 340 | 482 | 281 | 58 | 18 | 3 | 2 | 4 |
| 7 | 4 | 5 | 5 | 1 | 4 | 4 | 7 |

EXTINCTION COEFFICIENT = .453E-04 PER METER
VISIBILITY LIMIT, UPPER = 86446., LOWER = 66205. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .82 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 6 | 3 | 5 | 0 | 3 | 0 | 0 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .122E-04 PER METER
VISIBILITY LIMIT, UPPER =321950., LOWER =246565. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .574E-04 PER METER
VISIBILITY LIMIT, UPPER = 68148., LOWER = 52191. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .83 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 17
FOR DATA STARTING 23:10 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 248 | 457 | 260 | 66 | 20 | 1 | 2 | 1 |
| 4 | 4 | 4 | 4 | 3 | 2 | 2 | 6 |

EXTINCTION COEFFICIENT = .400E-04 PER METER
VISIBILITY LIMIT, UPPER = 97892., LOWER = 74971. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .72 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 8 | 2 | 1 | 1 | 0 | 0 | 1 |
| 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .130E-04 PER METER
VISIBILITY LIMIT, UPPER =301948., LOWER =231246. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .529E-04 PER METER
VISIBILITY LIMIT, UPPER = 73925., LOWER = 56616. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .74 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 18
FOR DATA STARTING 23:20 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 203 | 555 | 259 | 67 | 30 | 2 | 0 | 0 |
| 6 | 4 | 4 | 4 | 2 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .432E-04 PER METER
VISIBILITY LIMIT, UPPER = 90653., LOWER = 69426. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 3 | 1 | 2 | 0 | 3 | 2 | 0 |
| 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .114E-04 PER METER
VISIBILITY LIMIT, UPPER =343378., LOWER =262976. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .573E-04 PER METER
VISIBILITY LIMIT, UPPER = 68224., LOWER = 52249. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .78 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 19
FOR DATA STARTING 23:30 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 210 | 618 | 292 | 72 | 33 | 2 | 1 | 2 |
| 1 | 6 | 4 | 4 | 1 | 1 | 4 | 3 |

EXTINCTION COEFFICIENT = .454E-04 PER METER
VISIBILITY LIMIT, UPPER = 86170., LOWER = 65993. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 4 | 3 | 2 | 3 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .754E-05 PER METER
VISIBILITY LIMIT, UPPER =518679., LOWER =397230. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .529E-04 PER METER
VISIBILITY LIMIT, UPPER = 73894., LOWER = 56592. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .85 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 20
FOR DATA STARTING 23:40 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 172 | 586 | 281 | 54 | 26 | 2 | 2 | 5 |
| 4 | 5 | 2 | 6 | 5 | 2 | 2 | 7 |

EXTINCTION COEFFICIENT = .436E-04 PER METER
VISIBILITY LIMIT, UPPER = 89673., LOWER = 68676. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 6 | 3 | 3 | 2 | 0 | 0 | 0 |
| 2 | 2 | 1 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .127E-04 PER METER
VISIBILITY LIMIT, UPPER =307162., LOWER =235240. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .564E-04 PER METER
VISIBILITY LIMIT, UPPER = 69410., LOWER = 53157. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .79 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 21
FOR DATA STARTING 23:50 ON 24/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 325 | 584 | 293 | 71 | 22 | 0 | 1 | 2 |
| 5 | 5 | 8 | 2 | 3 | 4 | 3 | 1 |

EXTINCTION COEFFICIENT = .475E-04 PER METER
VISIBILITY LIMIT, UPPER = 82420., LOWER = 63121. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .89 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 2 | 3 | 2 | 0 | 1 | 0 |
| 1 | 0 | 3 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .118E-04 PER METER
VISIBILITY LIMIT, UPPER =331170., LOWER =253626. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .593E-04 PER METER
VISIBILITY LIMIT, UPPER = 65995., LOWER = 50542. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .90 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 22
FOR DATA STARTING 0: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 349 | 505 | 243 | 80 | 29 | 4 | 1 | 4 |
| 4 | 6 | 5 | 4 | 3 | 2 | 2 | 5 |

EXTINCTION COEFFICIENT = .452E-04 PER METER
VISIBILITY LIMIT, UPPER = 86612., LOWER = 66331. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .83 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 6 | 3 | 9 | 2 | 1 | 2 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .147E-04 PER METER
VISIBILITY LIMIT, UPPER =267020., LOWER =204497. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .626E-04 PER METER
VISIBILITY LIMIT, UPPER = 62480., LOWER = 47850. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = .85 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 23
FOR DATA STARTING 0:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 426 | 526 | 285 | 65 | 22 | 4 | 0 | 3 |
| 5 | 4 | 4 | 3 | 3 | 3 | 3 | 6 |

EXTINCTION COEFFICIENT = .487E-04 PER METER
VISIBILITY LIMIT, UPPER = 80345., LOWER = 61532. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .91 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 3 | 2 | 3 | 0 | 1 | 0 |
| 0 | 0 | 2 | 0 | 1 | 0 | 0 | 2 |

EXTINCTION COEFFICIENT = .138E-04 PER METER
VISIBILITY LIMIT, UPPER =283859., LOWER =217393. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .625E-04 PER METER
VISIBILITY LIMIT, UPPER = 62621., LOWER = 47958. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = .92 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 24
FOR DATA STARTING 0:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 440 | 546 | 276 | 62 | 25 | 5 | 2 | 2 |
| 5 | 10 | 4 | 7 | 3 | 2 | 2 | 5 |

EXTINCTION COEFFICIENT = .500E-04 PER METER
VISIBILITY LIMIT, UPPER = 78164., LOWER = 59862. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .93 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 7 | 5 | 3 | 0 | 2 | 0 | 0 |
| 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .130E-04 PER METER
VISIBILITY LIMIT, UPPER =301241., LOWER =230705. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .630E-04 PER METER
VISIBILITY LIMIT, UPPER = 62061., LOWER = 47529. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = .95 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 25
FOR DATA STARTING 0:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 463 | 494 | 280 | 78 | 27 | 2 | 2 | 3 |
| 2 | 3 | 4 | 9 | 1 | 3 | 3 | 3 |

EXTINCTION COEFFICIENT = .487E-04 PER METER
VISIBILITY LIMIT, UPPER = 80263., LOWER = 61469. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .92 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 4 | 5 | 0 | 0 | 1 | 1 |
| 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .137E-04 PER METER
VISIBILITY LIMIT, UPPER =285071., LOWER =218321. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .668E-04 PER METER
VISIBILITY LIMIT, UPPER = 58593., LOWER = 44874. METERS
LIQUID WATER CONTENT = .00031 GM/M3
PARTICLE COUNT = .94 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 26
FOR DATA STARTING 0:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 455 | 502 | 312 | 61 | 24 | 5 | 1 | 4 |
| 2 | 5 | 7 | 8 | 4 | 0 | 5 | 5 |

EXTINCTION COEFFICIENT = .505E-04 PER METER
VISIBILITY LIMIT, UPPER = 77433., LOWER = 59302. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .93 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 5 | 3 | 1 | 1 |
| 2 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .164E-04 PER METER
VISIBILITY LIMIT, UPPER =239038., LOWER =183067. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .669E-04 PER METER
VISIBILITY LIMIT, UPPER = 58487., LOWER = 44792. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = .95 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 27
FOR DATA STARTING 0:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 421 | 550 | 301 | 68 | 20 | 0 | 2 | 2 |
| 4 | 7 | 9 | 6 | 4 | 8 | 4 | 2 |

EXTINCTION COEFFICIENT = .513E-04 PER METER
VISIBILITY LIMIT, UPPER = 76258., LOWER = 58402. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 4 | 5 | 3 | 1 | 1 | 2 | 0 |
| 1 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .136E-04 PER METER
VISIBILITY LIMIT, UPPER =287231., LOWER =219975. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .927E-05 PER METER
VISIBILITY LIMIT, UPPER =421957., LOWER =323155. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .742E-04 PER METER
VISIBILITY LIMIT, UPPER = 52729., LOWER = 40383. METERS
LIQUID WATER CONTENT = .00044 GM/M3
PARTICLE COUNT = .96 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 28
FOR DATA STARTING 13 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 467 | 645 | 330 | 89 | 29 | 3 | 3 | 2 |
| 2 | 3 | 1 | 2 | 2 | 3 | 2 | 3 |

EXTINCTION COEFFICIENT = .549E-04 PER METER
VISIBILITY LIMIT, UPPER = 71320., LOWER = 54620. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.06 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 9 | 2 | 3 | 1 | 2 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .151E-04 PER METER
VISIBILITY LIMIT, UPPER =259464., LOWER =198710. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .699E-04 PER METER
VISIBILITY LIMIT, UPPER = 55943., LOWER = 42844. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = 1.08 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 29
FOR DATA STARTING 1:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 422 | 547 | 301 | 79 | 31 | 1 | 1 | 1 |
| 4 | 5 | 2 | 6 | 2 | 2 | 2 | 6 |

EXTINCTION COEFFICIENT = .503E-04 PER METER
VISIBILITY LIMIT, UPPER = 77802., LOWER = 59584. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 3 | 1 | 1 | 3 | 2 | 2 | 1 |
| 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .102E-04 PER METER
VISIBILITY LIMIT, UPPER =382842., LOWER =293199. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .605E-04 PER METER
VISIBILITY LIMIT, UPPER = 64661., LOWER = 49521. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .96 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 30
FOR DATA STARTING 1:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 426 | 545 | 296 | 75 | 27 | 5 | 1 | 2 |
| 3 | 4 | 3 | 6 | 1 | 2 | 2 | 4 |

EXTINCTION COEFFICIENT = .494E-04 PER METER
VISIBILITY LIMIT, UPPER = 79248., LOWER = 60692. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .93 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 7 | 5 | 2 | 1 | 2 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .100E-04 PER METER
VISIBILITY LIMIT, UPPER =389556., LOWER =298341. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .594E-04 PER METER
VISIBILITY LIMIT, UPPER = 65852., LOWER = 50433. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .95 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 31
FOR DATA STARTING 1:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 431 | 479 | 273 | 56 | 25 | 6 | 1 | 2 |
| 0 | 3 | 2 | 5 | 0 | 5 | 2 | 2 |

EXTINCTION COEFFICIENT = .449E-04 PER METER
VISIBILITY LIMIT, UPPER = 87054., LOWER = 66670. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .86 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 5 | 0 | 3 | 1 | 1 | 1 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .713E-05 PER METER
VISIBILITY LIMIT, UPPER =549001., LOWER =420452. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .521E-04 PER METER
VISIBILITY LIMIT, UPPER = 75139., LOWER = 57545. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .87 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 32
FOR DATA STARTING 1:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 436 | 471 | 248 | 68 | 26 | 3 | 2 | 0 |
| 1 | 4 | 3 | 1 | 4 | 3 | 3 | 3 |

EXTINCTION COEFFICIENT = .447E-04 PER METER
VISIBILITY LIMIT, UPPER = 87564., LOWER = 67061. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 1 | 1 | 0 | 1 | 0 |
| 1 | 1 | 2 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .101E-04 PER METER
VISIBILITY LIMIT, UPPER =388577., LOWER =297591. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .547E-04 PER METER
VISIBILITY LIMIT, UPPER = 71461., LOWER = 54728. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 33
FOR DATA STARTING 1150 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 463 | 412 | 278 | 64 | 19 | 4 | 3 | 0 |
| 7 | 7 | 5 | 3 | 6 | 1 | 3 | 1 |

EXTINCTION COEFFICIENT = .451E-04 PER METER
VISIBILITY LIMIT, UPPER = 86818., LOWER = 66490. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 2 | 2 | 1 | 4 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .131E-04 PER METER
VISIBILITY LIMIT, UPPER =298758., LOWER =228804. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .609E-04 PER METER
VISIBILITY LIMIT, UPPER = 64186., LOWER = 49157. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 34
FOR DATA STARTING 21 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 337 | 442 | 230 | 65 | 18 | 7 | 1 | 3 |
| 1 | 4 | 5 | 2 | 2 | 3 | 1 | 4 |

EXTINCTION COEFFICIENT = .400E-04 PER METER
VISIBILITY LIMIT, UPPER = 97683., LOWER = 74811. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .75 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 4 | 2 | 2 | 2 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .686E-05 PER METER
VISIBILITY LIMIT, UPPER =569858., LOWER =436425. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .469E-04 PER METER
VISIBILITY LIMIT, UPPER = 83389., LOWER = 63863. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .76 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 35
FOR DATA STARTING 2110 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 300 | 418 | 228 | 70 | 17 | 5 | 1 | 1 |
| 4 | 5 | 7 | 1 | 3 | 0 | 6 | 3 |

EXTINCTION COEFFICIENT = .389E-04 PER METER
VISIBILITY LIMIT, UPPER =100444., LOWER = 76925. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .71 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 3 | 6 | 3 | 1 | 0 | 0 | 0 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .741E-05 PER METER
VISIBILITY LIMIT, UPPER =527921., LOWER =404308. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .464E-04 PER METER
VISIBILITY LIMIT, UPPER = 84388., LOWER = 64628. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .73 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 36
FOR DATA STARTING 2:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 264 | 418 | 228 | 54 | 17 | 2 | 2 | 2 |
| 6 | 8 | 7 | 2 | 0 | 3 | 3 | 7 |

EXTINCTION COEFFICIENT = .383E-04 PER METER
VISIBILITY LIMIT, UPPER =102264., LOWER = 78318. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .68 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 5 | 3 | 1 | 2 | 1 | 1 | 2 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .995E-05 PER METER
VISIBILITY LIMIT, UPPER =393357., LOWER =301252. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .482E-04 PER METER
VISIBILITY LIMIT, UPPER = 81163., LOWER = 62159. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .70 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 37
FOR DATA STARTING 2:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 258 | 466 | 208 | 58 | 16 | 5 | 2 | 2 |
| 3 | 0 | 3 | 4 | 3 | 0 | 2 | 2 |

EXTINCTION COEFFICIENT = .364E-04 PER METER
VISIBILITY LIMIT, UPPER =107439., LOWER = 82282. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .69 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 1 | 3 | 3 | 3 | 0 | 1 | 0 |
| 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .934E-05 PER METER
VISIBILITY LIMIT, UPPER =418650., LOWER =320623. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .458E-04 PER METER
VISIBILITY LIMIT, UPPER = 85498., LOWER = 65478. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .70 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 38
FOR DATA STARTING 2:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 275 | 379 | 200 | 61 | 21 | 5 | 0 | 1 |
| 4 | 10 | 7 | 6 | 1 | 5 | 0 | 1 |

EXTINCTION COEFFICIENT = .357E-04 PER METER
VISIBILITY LIMIT, UPPER =109478., LOWER = 83844. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .65 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 2 | 0 | 2 | 4 | 0 | 1 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .726E-05 PER METER
VISIBILITY LIMIT, UPPER =538608., LOWER =412492. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .430E-04 PER METER
VISIBILITY LIMIT, UPPER = 90984., LOWER = 69680. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .66 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 39
FOR DATA STARTING 2:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 384 | 405 | 216 | 49 | 20 | 3 | 0 | 0 |
| 0 | 4 | 2 | 5 | 3 | 3 | 0 | 2 |

EXTINCTION COEFFICIENT = .380E-04 PER METER
VISIBILITY LIMIT, UPPER =103055., LOWER = 78924. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 9 | 1 | 2 | 1 | 4 | 0 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .113E-04 PER METER
VISIBILITY LIMIT, UPPER =345047., LOWER =264254. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .493E-04 PER METER
VISIBILITY LIMIT, UPPER = 79354., LOWER = 60773. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .75 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 40
FOR DATA STARTING 3: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 380 | 363 | 199 | 47 | 28 | 1 | 1 | 5 |
| 4 | 1 | 0 | 2 | 2 | 2 | 3 | 1 |

EXTINCTION COEFFICIENT = .360E-04 PER METER
VISIBILITY LIMIT, UPPER =108799., LOWER = 83324. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .69 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 3 | 5 | 1 | 0 | 1 | 0 |
| 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .990E-05 PER METER
VISIBILITY LIMIT, UPPER =395247., LOWER =302699. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .459E-04 PER METER
VISIBILITY LIMIT, UPPER = 85315., LOWER = 65338. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .71 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 41
FOR DATA STARTING 3120 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 340 | 417 | 220 | 59 | 16 | 4 | 1 | 2 |
| 9 | 5 | 5 | 6 | 4 | 2 | 5 | 4 |

EXTINCTION COEFFICIENT = .407E-04 PER METER
VISIBILITY LIMIT, UPPER = 96188., LOWER = 73666. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 11 | 3 | 5 | 1 | 3 | 1 | 1 |
| 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .137E-04 PER METER
VISIBILITY LIMIT, UPPER =286005., LOWER =219037. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .543E-04 PER METER
VISIBILITY LIMIT, UPPER = 71980., LOWER = 55126. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .75 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 42
FOR DATA STARTING 3:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 282 | 433 | 200 | 66 | 15 | 2 | 0 | 2 |
| 5 | 3 | 4 | 4 | 3 | 5 | 1 | 5 |

EXTINCTION COEFFICIENT = .377E-04 PER METER
VISIBILITY LIMIT, UPPER =103674., LOWER = 79399. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .69 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 1 | 2 | 3 | 2 | 3 | 0 | 0 |
| 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .108E-04 PER METER
VISIBILITY LIMIT, UPPER =361201., LOWER =276626. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .486E-04 PER METER
VISIBILITY LIMIT, UPPER = 80553., LOWER = 61692. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .70 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 43
FOR DATA STARTING 3:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 275 | 627 | 256 | 49 | 23 | 3 | 1 | 3 |
| 3 | 3 | 4 | 6 | 6 | 2 | 4 | 2 |

EXTINCTION COEFFICIENT = .457E-04 PER METER
VISIBILITY LIMIT, UPPER = 85641., LOWER = 65588. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 7 | 1 | 3 | 0 | 0 | 4 | 4 |
| 1 | 2 | 0 | 0 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .165E-04 PER METER
VISIBILITY LIMIT, UPPER =237031., LOWER =181530. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .622E-04 PER METER
VISIBILITY LIMIT, UPPER = 62911., LOWER = 48180. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 44
FOR DATA STARTING 3:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 163 | 493 | 210 | 41 | 17 | 4 | 2 | 3 |
| 4 | 6 | 3 | 4 | 4 | 6 | 4 | 5 |

EXTINCTION COEFFICIENT = .371E-04 PER METER
VISIBILITY LIMIT, UPPER =105356., LOWER = 80687. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .65 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 3 | 3 | 2 | 1 | 0 | 1 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .833E-05 PER METER
VISIBILITY LIMIT, UPPER =469548., LOWER =359602. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .487E-04 PER METER
VISIBILITY LIMIT, UPPER = 80347., LOWER = 61533. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .66 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 45
FOR DATA STARTING 4: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 254 | 556 | 245 | 58 | 18 | 3 | 2 | 1 |
| 1 | 4 | 4 | 1 | 2 | 1 | 5 | 4 |

EXTINCTION COEFFICIENT = .416E-04 PER METER
VISIBILITY LIMIT, UPPER = 94106., LOWER = 72071. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 2 | 3 | 1 | 0 | 0 | 0 | 0 |
| 2 | 0 | 2 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .981E-05 PER METER
VISIBILITY LIMIT, UPPER =398744., LOWER =305378. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .514E-04 PER METER
VISIBILITY LIMIT, UPPER = 76137., LOWER = 58309. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .78 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 46
FOR DATA STARTING 4110 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 397 | 478 | 237 | 64 | 19 | 3 | 0 | 1 |
| 2 | 6 | 5 | 5 | 1 | 3 | 3 | 5 |

EXTINCTION COEFFICIENT = .439E-04 PER METER
VISIBILITY LIMIT, UPPER = 89090., LOWER = 68230. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .82 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 4 | 2 | 3 | 3 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 1 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .151E-04 PER METER
VISIBILITY LIMIT, UPPER =258371., LOWER =197873. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .591E-04 PER METER
VISIBILITY LIMIT, UPPER = 66247., LOWER = 50735. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = .84 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 47
FOR DATA STARTING 4130 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 432 | 453 | 251 | 78 | 21 | 3 | 0 | 4 |
| 3 | 5 | 5 | 2 | 2 | 3 | 5 | 6 |

EXTINCTION COEFFICIENT = .459E-04 PER METER
VISIBILITY LIMIT, UPPER = 85170., LOWER = 65227. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 7 | 3 | 0 | 3 | 1 | 2 |
| 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .129E-04 PER METER
VISIBILITY LIMIT, UPPER =303590., LOWER =232504. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .620E-04 PER METER
VISIBILITY LIMIT, UPPER = 63052., LOWER = 48288. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 48
FOR DATA STARTING 4:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 424 | 412 | 230 | 45 | 15 | 2 | 1 | 5 |
| 5 | 4 | 4 | 4 | 1 | 3 | 4 | 2 |

EXTINCTION COEFFICIENT = .409E-04 PER METER
VISIBILITY LIMIT, UPPER = 95735., LOWER = 73318. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 2 | 3 | 4 | 1 | 2 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |

EXTINCTION COEFFICIENT = .131E-04 PER METER
VISIBILITY LIMIT, UPPER =297968., LOWER =228198. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .540E-04 PER METER
VISIBILITY LIMIT, UPPER = 72456., LOWER = 55490. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = .79 PER CC

## NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 49
FOR DATA STARTING 4:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 394 | 423 | 244 | 49 | 12 | 3 | 0 | 2 |
| 8 | 7 | 5 | 2 | 6 | 4 | 3 | 6 |

EXTINCTION COEFFICIENT = .428E-04 PER METER
VISIBILITY LIMIT, UPPER = 91341., LOWER = 69953. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .78 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 7 | 1 | 1 | 2 | 3 | 1 | 0 |
| 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .120E-04 PER METER
VISIBILITY LIMIT, UPPER =325533., LOWER =249309. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .548E-04 PER METER
VISIBILITY LIMIT, UPPER = 71327., LOWER = 54626. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .79 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 50
FOR DATA STARTING 5: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 435 | 414 | 237 | 64 | 22 | 4 | 1 | 0 |
| 1 | 2 | 8 | 3 | 2 | 1 | 0 | 2 |

EXTINCTION COEFFICIENT = .411E-04 PER METER
VISIBILITY LIMIT, UPPER = 95119., LOWER = 72847. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .80 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 4 | 3 | 4 | 3 | 0 | 1 | 1 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .102E-04 PER METER
VISIBILITY LIMIT, UPPER =383002., LOWER =293322. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .556E-04 PER METER
VISIBILITY LIMIT, UPPER = 70304., LOWER = 53842. METERS
LIQUID WATER CONTENT = .00025 GM/M3
PARTICLE COUNT = .81 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 51
FOR DATA STARTING 5:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 382 | 416 | 211 | 42 | 21 | 2 | 0 | 3 |
| 1 | 3 | 3 | 1 | 1 | 1 | 2 | 3 |

EXTINCTION COEFFICIENT = .375E-04 PER METER
VISIBILITY LIMIT, UPPER =104216., LOWER = 79814. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 6 | 6 | 5 | 2 | 2 | 2 | 1 |
| 1 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .148E-04 PER METER
VISIBILITY LIMIT, UPPER =263577., LOWER =201860. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .524E-04 PER METER
VISIBILITY LIMIT, UPPER = 74686., LOWER = 57198. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .75 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 52
FOR DATA STARTING 5120 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 383 | 438 | 238 | 50 | 23 | 2 | 4 | 1 |
| 3 | 9 | 2 | 8 | 2 | 2 | 6 | 1 |

EXTINCTION COEFFICIENT = .422E-04 PER METER
VISIBILITY LIMIT, UPPER = 92801., LOWER = 71071. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .78 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 5 | 4 | 3 | 2 | 0 | 1 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .147E-04 PER METER
VISIBILITY LIMIT, UPPER =266680., LOWER =204236. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .568E-04 PER METER
VISIBILITY LIMIT, UPPER = 68844., LOWER = 52724. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .80 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 53
FOR DATA STARTING 5:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 406 | 482 | 244 | 58 | 19 | 5 | 4 | 3 |
| 6 | 6 | 7 | 9 | 1 | 4 | 6 | 5 |

EXTINCTION COEFFICIENT = .468E-04 PER METER
VISIBILITY LIMIT, UPPER = 83642., LOWER = 64057. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 6 | 5 | 3 | 5 | 1 | 3 | 1 |
| 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .153E-04 PER METER
VISIBILITY LIMIT, UPPER =256031., LOWER =196081. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .621E-04 PER METER
VISIBILITY LIMIT, UPPER = 63046., LOWER = 48283. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 54
FOR DATA STARTING 5:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 400 | 492 | 244 | 77 | 19 | 1 | 3 | 1 |
| 3 | 3 | 5 | 5 | 3 | 4 | 1 | 5 |

EXTINCTION COEFFICIENT = .452E-04 PER METER
VISIBILITY LIMIT, UPPER = 86530., LOWER = 66269. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 6 | 0 | 3 | 1 | 3 | 0 | 2 |
| 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .149E-04 PER METER
VISIBILITY LIMIT, UPPER =261931., LOWER =200600. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .883E-05 PER METER
VISIBILITY LIMIT, UPPER =442792., LOWER =339112. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .690E-04 PER METER
VISIBILITY LIMIT, UPPER = 56712., LOWER = 43433. METERS
LIQUID WATER CONTENT = .00051 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 55
FOR DATA STARTING 5:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 373 | 462 | 295 | 69 | 21 | 6 | 0 | 5 |
| 9 | 7 | 4 | 7 | 4 | 3 | 5 | 3 |

EXTINCTION COEFFICIENT = .470E-04 PER METER
VISIBILITY LIMIT, UPPER = 83305., LOWER = 63799. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .85 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 3 | 5 | 5 | 1 | 1 | 0 |
| 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .141E-04 PER METER
VISIBILITY LIMIT, UPPER =277156., LOWER =212259. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .611E-04 PER METER
VISIBILITY LIMIT, UPPER = 64053., LOWER = 49055. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = .87 PER CC

NEPHELOMETER DATA

SERIES # CTS- 9, TEST # 56
FOR DATA STARTING 6: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 545 | 607 | 369 | 84 | 21 | 4 | 1 | 6 |
| 4 | 4 | 9 | 4 | 5 | 2 | 3 | 4 |

EXTINCTION COEFFICIENT = .591E-04 PER METER
VISIBILITY LIMIT, UPPER = 66179., LOWER = 50683. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.11 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 8 | 5 | 5 | 2 | 1 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .133E-04 PER METER
VISIBILITY LIMIT, UPPER =294127., LOWER =225257. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .724E-04 PER METER
VISIBILITY LIMIT, UPPER = 54023., LOWER = 41374. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.13 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 1
FOR DATA STARTING 19:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 512 | 743 | 429 | 120 | 39 | 7 | 2 | 2 |
| 1 | 2 | 3 | 1 | 1 | 0 | 2 | 0 |

EXTINCTION COEFFICIENT = .634E-04 PER METER
VISIBILITY LIMIT, UPPER = 61665., LOWER = 47226. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.24 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 1 | 0 | 0 | 1 | 0 | 2 |
| 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .698E-05 PER METER
VISIBILITY LIMIT, UPPER =560302., LOWER =429106. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .704E-04 PER METER
VISIBILITY LIMIT, UPPER = 55551., LOWER = 42544. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = 1.25 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 2
FOR DATA STARTING 20: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 482 | 500 | 322 | 83 | 26 | 2 | 0 | 1 |
| 1 | 0 | 3 | 0 | 4 | 1 | 2 | 3 |

EXTINCTION COEFFICIENT = .491E-04 PER METER
VISIBILITY LIMIT, UPPER = 79720., LOWER = 61054. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .95 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .476E-05 PER METER
VISIBILITY LIMIT, UPPER =822711., LOWER =630872. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .538E-04 PER METER
VISIBILITY LIMIT, UPPER = 72678., LOWER = 55660. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .96 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 3
FOR DATA STARTING 20:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 434 | 496 | 301 | 66 | 25 | 1 | 0 | 1 |
| 1 | 3 | 2 | 2 | 1 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .450E-04 PER METER
VISIBILITY LIMIT, UPPER = 86871., LOWER = 66530. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .89 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-06 PER METER
VISIBILITY LIMIT, UPPER =$$$$$$$, LOWER =9283190 METERS
LIQUID WATER CONTENT = .00000 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .454E-04 PER METER
VISIBILITY LIMIT, UPPER = 86253., LOWER = 66056. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .89 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 4
FOR DATA STARTING 20:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 400 | 497 | 267 | 61 | 33 | 0 | 0 | 0 |
| 0 | 1 | 2 | 0 | 0 | 0 | 1 | 1 |

EXTINCTION COEFFICIENT = .422E-04 PER METER
VISIBILITY LIMIT, UPPER = 92627., LOWER = 70938. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .444E-05 PER METER
VISIBILITY LIMIT, UPPER =881785., LOWER =675313. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .467E-04 PER METER
VISIBILITY LIMIT, UPPER = 83822., LOWER = 64195. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .85 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 5
FOR DATA STARTING 20130 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 436 | 476 | 260 | 112 | 46 | 23 | 31 | 23 |
| 38 | 30 | 28 | 25 | 23 | 25 | 20 | 25 |

EXTINCTION COEFFICIENT = .810E-04 PER METER
VISIBILITY LIMIT, UPPER = 48292., LOWER = 36984. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 15 | 20 | 11 | 9 | 20 | 7 | 14 | 3 |
| 6 | 8 | 8 | 12 | 2 | 2 | 5 | 1 |

EXTINCTION COEFFICIENT = .103E-03 PER METER
VISIBILITY LIMIT, UPPER = 37966., LOWER = 29076. METERS
LIQUID WATER CONTENT = .00104 GM/M3
PARTICLE COUNT = .10 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 1 | 4 | 1 | 2 | 0 | 1 | 1 |
| 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .965E-04 PER METER
VISIBILITY LIMIT, UPPER = 40537., LOWER = 31045. METERS
LIQUID WATER CONTENT = .00261 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .281E-03 PER METER
VISIBILITY LIMIT, UPPER = 13944., LOWER = 10679. METERS
LIQUID WATER CONTENT = .00387 GM/M3
PARTICLE COUNT = 1.19 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 6
FOR DATA STARTING 20140 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 495 | 519 | 276 | 115 | 77 | 56 | 58 | 29 |
| 27 | 31 | 30 | 26 | 24 | 23 | 24 | 17 |

EXTINCTION COEFFICIENT = .887E-04 PER METER
VISIBILITY LIMIT, UPPER = 44127., LOWER = 33795. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.22 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 30 | 20 | 24 | 16 | 16 | 13 | 9 | 12 |
| 12 | 12 | 9 | 7 | 7 | 12 | 5 | 8 |

EXTINCTION COEFFICIENT = .167E-03 PER METER
VISIBILITY LIMIT, UPPER = 23451., LOWER = 17960. METERS
LIQUID WATER CONTENT = .00181 GM/M3
PARTICLE COUNT = .14 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 12 | 6 | 7 | 11 | 5 | 9 | 3 |
| 2 | 8 | 3 | 2 | 4 | 4 | 3 | 3 |

EXTINCTION COEFFICIENT = .707E-03 PER METER
VISIBILITY LIMIT, UPPER = 5537., LOWER = 4240. METERS
LIQUID WATER CONTENT = .02419 GM/M3
PARTICLE COUNT = .06 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 4 | 2 | 4 | 1 | 2 | 0 | 1 |
| 5 | 1 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .137E-02 PER METER
VISIBILITY LIMIT, UPPER = 2857., LOWER = 2188. METERS
LIQUID WATER CONTENT = .12335 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .233E-02 PER METER
VISIBILITY LIMIT, UPPER = 1678., LOWER = 1285. METERS
LIQUID WATER CONTENT = .14959 GM/M3
PARTICLE COUNT = 1.43 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 7
FOR DATA STARTING 20:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 482 | 493 | 283 | 98 | 48 | 28 | 31 | 18 |
| 20 | 24 | 30 | 23 | 14 | 17 | 23 | 16 |

EXTINCTION COEFFICIENT = .764E-04 PER METER
VISIBILITY LIMIT, UPPER = 51174., LOWER = 39192. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = 1.10 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | 15 | 6 | 12 | 10 | 15 | 11 | 5 |
| 5 | 6 | 6 | 10 | 7 | 12 | 5 | 2 |

EXTINCTION COEFFICIENT = .119E-03 PER METER
VISIBILITY LIMIT, UPPER = 32863., LOWER = 25168. METERS
LIQUID WATER CONTENT = .00132 GM/M3
PARTICLE COUNT = .09 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 3 | 3 | 1 | 3 | 2 | 4 | 4 |
| 3 | 3 | 2 | 3 | 2 | 4 | 1 | 4 |

EXTINCTION COEFFICIENT = .466E-03 PER METER
VISIBILITY LIMIT, UPPER = 8398., LOWER = 6432. METERS
LIQUID WATER CONTENT = .01749 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 2 | 0 | 0 | 2 | 0 |
| 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .812E-03 PER METER
VISIBILITY LIMIT, UPPER = 4820., LOWER = 3692. METERS
LIQUID WATER CONTENT = .07689 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .147E-02 PER METER
VISIBILITY LIMIT, UPPER = 2656., LOWER = 2034. METERS
LIQUID WATER CONTENT = .09590 GM/M3
PARTICLE COUNT = 1.23 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 8
FOR DATA STARTING 21: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 387 | 396 | 261 | 76 | 35 | 18 | 7 | 7 |
| 8 | 8 | 17 | 4 | 10 | 9 | 6 | 7 |

EXTINCTION COEFFICIENT = .505E-04 PER METER
VISIBILITY LIMIT, UPPER = 77482., LOWER = 59340. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 11 | 6 | 3 | 10 | 3 | 4 | 3 |
| 6 | 1 | 2 | 2 | 4 | 2 | 2 | 2 |

EXTINCTION COEFFICIENT = .499E-04 PER METER
VISIBILITY LIMIT, UPPER = 78398., LOWER = 60041. METERS
LIQUID WATER CONTENT = .00053 GM/M3
PARTICLE COUNT = .04 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 2 | 2 | 3 | 1 | 0 | 1 |
| 4 | 0 | 1 | 2 | 2 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .198E-03 PER METER
VISIBILITY LIMIT, UPPER = 19712., LOWER = 15097. METERS
LIQUID WATER CONTENT = .00698 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 0 | 0 | 1 | 1 | 0 | 1 | 1 |
| 2 | 2 | 4 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .128E-02 PER METER
VISIBILITY LIMIT, UPPER = 3058., LOWER = 2342. METERS
LIQUID WATER CONTENT = .12933 GM/M3
PARTICLE COUNT = .01 PER CC

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .158E-02 PER METER
VISIBILITY LIMIT, UPPER = 2479., LOWER = 1899. METERS
LIQUID WATER CONTENT = .13696 GM/M3
PARTICLE COUNT = .90 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 9
FOR DATA STARTING 21:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 404 | 346 | 226 | 64 | 46 | 19 | 20 | 10 |
| 12 | 15 | 8 | 13 | 12 | 8 | 9 | 6 |

EXTINCTION COEFFICIENT = .511E-04 PER METER
VISIBILITY LIMIT, UPPER = 76569., LOWER = 58640. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .81 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 7 | 4 | 1 | 8 | 3 | 0 | 1 |
| 2 | 1 | 1 | 1 | 3 | 0 | 1 | 3 |

EXTINCTION COEFFICIENT = .309E-04 PER METER
VISIBILITY LIMIT, UPPER =126697., LOWER = 97031. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 0 | 0 | 1 | 1 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .262E-04 PER METER
VISIBILITY LIMIT, UPPER =149398., LOWER =114416. METERS
LIQUID WATER CONTENT = .00054 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .108E-03 PER METER
VISIBILITY LIMIT, UPPER = 36171., LOWER = 27701. METERS
LIQUID WATER CONTENT = .00101 GM/M3
PARTICLE COUNT = .84 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 10
FOR DATA STARTING 21:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 419 | 354 | 233 | 53 | 20 | 2 | 1 | 1 |
| 3 | 2 | 2 | 5 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .370E-04 PER METER
VISIBILITY LIMIT, UPPER =105768., LOWER = 81002. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 1 | 1 | 1 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .311E-05 PER METER
VISIBILITY LIMIT, UPPER =1259235, LOWER =964383. METERS
LIQUID WATER CONTENT = .00002 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .401E-04 PER METER
VISIBILITY LIMIT, UPPER = 97572., LOWER = 74726. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .74 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 11
FOR DATA STARTING 21:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 397 | 306 | 214 | 47 | 19 | 6 | 0 | 1 |
| 5 | 5 | 5 | 3 | 1 | 2 | 3 | 4 |

EXTINCTION COEFFICIENT = .364E-04 PER METER
VISIBILITY LIMIT, UPPER =107447., LOWER = 82288. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .68 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 3 | 0 | 1 | 1 | 1 | 0 | 0 |
| 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .838E-05 PER METER
VISIBILITY LIMIT, UPPER =466918., LOWER =357589. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .448E-04 PER METER
VISIBILITY LIMIT, UPPER = 87347., LOWER = 66894. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .69 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 12
FOR DATA STARTING 21:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 355 | 403 | 233 | 43 | 23 | 5 | 1 | 2 |
| 4 | 3 | 3 | 3 | 0 | 4 | 2 | 1 |

EXTINCTION COEFFICIENT = .379E-04 PER METER
VISIBILITY LIMIT, UPPER =103143., LOWER = 78992. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .72 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 1 | 5 | 0 | 0 | 0 | 1 | 0 |
| 1 | 4 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .133E-04 PER METER
VISIBILITY LIMIT, UPPER =293636., LOWER =224881. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .513E-04 PER METER
VISIBILITY LIMIT, UPPER = 76331., LOWER = 58458. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .74 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 13
FOR DATA STARTING 21:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 386 | 340 | 214 | 57 | 22 | 3 | 1 | 0 |
| 2 | 4 | 6 | 2 | 5 | 0 | 2 | 3 |

EXTINCTION COEFFICIENT = .370E-04 PER METER
VISIBILITY LIMIT, UPPER =105660., LOWER = 80919. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .70 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 5 | 3 | 2 | 0 | 1 | 2 | 1 |
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .900E-05 PER METER
VISIBILITY LIMIT, UPPER =434689., LOWER =332906. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .460E-04 PER METER
VISIBILITY LIMIT, UPPER = 84999., LOWER = 65096. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .71 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 14
FOR DATA STARTING 22: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 390 | 402 | 248 | 58 | 20 | 5 | 1 | 2 |
| 3 | 1 | 2 | 3 | 5 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .391E-04 PER METER
VISIBILITY LIMIT, UPPER = 99980., LOWER = 76570. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .76 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 5 | 0 | 4 | 2 | 3 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .874E-05 PER METER
VISIBILITY LIMIT, UPPER =447600., LOWER =342794. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .479E-04 PER METER
VISIBILITY LIMIT, UPPER = 81725., LOWER = 62589. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .77 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 15
FOR DATA STARTING 22:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 443 | 407 | 234 | 59 | 23 | 2 | 0 | 0 |
| 2 | 5 | 4 | 4 | 0 | 3 | 2 | 0 |

EXTINCTION COEFFICIENT = .407E-04 PER METER
VISIBILITY LIMIT, UPPER = 96096., LOWER = 73595. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .79 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 4 | 1 | 2 | 1 | 0 | 1 |
| 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .791E-05 PER METER
VISIBILITY LIMIT, UPPER =494510., LOWER =378720. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .486E-04 PER METER
VISIBILITY LIMIT, UPPER = 80460., LOWER = 61620. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .80 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 16
FOR DATA STARTING 22120 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 408 | 412 | 243 | 71 | 23 | 3 | 0 | 1 |
| 4 | 9 | 4 | 8 | 2 | 3 | 6 | 3 |

EXTINCTION COEFFICIENT = .443E-04 PER METER
VISIBILITY LIMIT, UPPER = 88295., LOWER = 67621. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .80 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 8 | 5 | 3 | 3 | 2 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .125E-04 PER METER
VISIBILITY LIMIT, UPPER =312199., LOWER =239097. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .568E-04 PER METER
VISIBILITY LIMIT, UPPER = 68829., LOWER = 52713. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .82 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 17
FOR DATA STARTING 22130 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 353 | 386 | 239 | 58 | 23 | 1 | 0 | 2 |
| 5 | 6 | 7 | 6 | 2 | 3 | 2 | 6 |

EXTINCTION COEFFICIENT = .405E-04 PER METER
VISIBILITY LIMIT, UPPER = 96559., LOWER = 73949. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .73 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 6 | 2 | 2 | 3 | 0 | 1 | 1 |
| 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .984E-05 PER METER
VISIBILITY LIMIT, UPPER =397605., LOWER =304505. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .504E-04 PER METER
VISIBILITY LIMIT, UPPER = 77691., LOWER = 59500. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .75 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 18
FOR DATA STARTING 22:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 410 | 398 | 240 | 54 | 19 | 2 | 3 | 3 |
| 6 | 6 | 5 | 4 | 3 | 2 | 3 | 3 |

EXTINCTION COEFFICIENT = .415E-04 PER METER
VISIBILITY LIMIT, UPPER = 94189., LOWER = 72134. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 1 | 3 | 1 | 0 | 1 | 0 |
| 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .137E-04 PER METER
VISIBILITY LIMIT, UPPER =285002., LOWER =218269. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .652E-05 PER METER
VISIBILITY LIMIT, UPPER =599991., LOWER =459503. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .618E-04 PER METER
VISIBILITY LIMIT, UPPER = 63321., LOWER = 48495. METERS
LIQUID WATER CONTENT = .00034 GM/M3
PARTICLE COUNT = .79 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 19
FOR DATA STARTING 22:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 400 | 403 | 222 | 44 | 18 | 3 | 0 | 1 |
| 2 | 3 | 2 | 1 | 1 | 0 | 2 | 5 |

EXTINCTION COEFFICIENT = .381E-04 PER METER
VISIBILITY LIMIT, UPPER =102555., LOWER = 78542. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .74 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 3 | 4 | 1 | 1 | 1 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .659E-05 PER METER
VISIBILITY LIMIT, UPPER =593991., LOWER =454907. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .447E-04 PER METER
VISIBILITY LIMIT, UPPER = 87456., LOWER = 66978. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .75 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 20
FOR DATA STARTING 23: 0 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 444 | 480 | 263 | 60 | 15 | 3 | 0 | 1 |
| 0 | 3 | 4 | 2 | 1 | 3 | 3 | 4 |

EXTINCTION COEFFICIENT = .446E-04 PER METER
VISIBILITY LIMIT, UPPER = 87642., LOWER = 87121. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .86 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 0 | 3 | 3 | 3 | 0 | 0 | 1 |
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .686E-05 PER METER
VISIBILITY LIMIT, UPPER =569891., LOWER =436450. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .515E-04 PER METER
VISIBILITY LIMIT, UPPER = 75960., LOWER = 58174. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .87 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 21
FOR DATA STARTING 23:10 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 397 | 435 | 248 | 55 | 19 | 2 | 2 | 2 |
| 1 | 2 | 5 | 4 | 2 | 3 | 1 | 1 |

EXTINCTION COEFFICIENT = .408E-04 PER METER
VISIBILITY LIMIT, UPPER = 95803., LOWER = 73370. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .79 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 3 | 4 | 1 | 2 | 3 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .721E-05 PER METER
VISIBILITY LIMIT, UPPER =542689., LOWER =415618. METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .480E-04 PER METER
VISIBILITY LIMIT, UPPER = 81428., LOWER = 62361. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = .80 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 22
FOR DATA STARTING 23:20 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 497 | 491 | 292 | 62 | 24 | 3 | 1 | 3 |
| 6 | 8 | 5 | 7 | 2 | 3 | 4 | 0 |

EXTINCTION COEFFICIENT = .495E-04 PER METER
VISIBILITY LIMIT, UPPER = 78960., LOWER = 60471. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 4 | 3 | 5 | 1 | 0 | 2 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .901E-05 PER METER
VISIBILITY LIMIT, UPPER =434315., LOWER =332620. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .602E-05 PER METER
VISIBILITY LIMIT, UPPER =649755., LOWER =497614. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .646E-04 PER METER
VISIBILITY LIMIT, UPPER = 60583., LOWER = 46398. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = .95 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 23
FOR DATA STARTING 23:30 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 421 | 457 | 276 | 52 | 18 | 5 | 1 | 6 |
| 2 | 0 | 5 | 5 | 2 | 2 | 5 | 3 |

EXTINCTION COEFFICIENT = .447E-04 PER METER
VISIBILITY LIMIT, UPPER = 87608., LOWER = 67095. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .84 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 4 | 4 | 2 | 1 | 3 | 0 | 0 |
| 0 | 3 | 0 | 0 | 0 | 1 | 2 | 0 |

EXTINCTION COEFFICIENT = .163E-04 PER METER
VISIBILITY LIMIT, UPPER =239632., LOWER =183522. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .642E-04 PER METER
VISIBILITY LIMIT, UPPER = 60930., LOWER = 46663. METERS
LIQUID WATER CONTENT = .00032 GM/M3
PARTICLE COUNT = .86 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 24
FOR DATA STARTING 23:40 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 421 | 435 | 240 | 52 | 19 | 4 | 1 | 1 |
| 3 | 3 | 6 | 8 | 3 | 6 | 9 | 2 |

EXTINCTION COEFFICIENT = .446E-04 PER METER
VISIBILITY LIMIT, UPPER = 87691., LOWER = 67158. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .81 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 2 | 4 | 3 | 2 | 0 | 2 | 1 |
| 0 | 1 | 0 | 1 | 2 | 0 | 1 | 1 |

EXTINCTION COEFFICIENT = .188E-04 PER METER
VISIBILITY LIMIT, UPPER =208233., LOWER =159475. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .634E-04 PER METER
VISIBILITY LIMIT, UPPER = 61706., LOWER = 47257. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = .83 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 25
FOR DATA STARTING 23:50 ON 25/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 570 | 588 | 340 | 65 | 27 | 6 | 1 | 4 |
| 3 | 6 | 4 | 1 | 1 | 3 | 4 | 4 |

EXTINCTION COEFFICIENT = .564E-04 PER METER
VISIBILITY LIMIT, UPPER = 69313., LOWER = 53083. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.08 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 8 | 5 | 0 | 2 | 1 | 5 | 0 |
| 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .179E-04 PER METER
VISIBILITY LIMIT, UPPER =219080., LOWER =167782. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .743E-04 PER METER
VISIBILITY LIMIT, UPPER = 52654., LOWER = 40325. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = 1.11 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 26
FOR DATA STARTING 0: 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 507 | 498 | 306 | 61 | 27 | 6 | 2 | 4 |
| 4 | 2 | 3 | 5 | 2 | 1 | 4 | 4 |

EXTINCTION COEFFICIENT = .503E-04 PER METER
VISIBILITY LIMIT, UPPER = 77772., LOWER = 59562. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .96 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 8 | 3 | 5 | 3 | 4 | 1 | 0 |
| 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .192E-04 PER METER
VISIBILITY LIMIT, UPPER =203243., LOWER =155653. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-05 PER METER
VISIBILITY LIMIT, UPPER =1049934, LOWER =804091. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .733E-04 PER METER
VISIBILITY LIMIT, UPPER = 53388., LOWER = 40887. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = .98 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 27
FOR DATA STARTING 0:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 469 | 520 | 287 | 67 | 18 | 3 | 3 | 6 |
| 5 | 9 | 4 | 4 | 1 | 2 | 5 | 3 |

EXTINCTION COEFFICIENT = .499E-04 PER METER
VISIBILITY LIMIT, UPPER = 78436., LOWER = 60070. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 6 | 5 | 1 | 5 | 3 | 2 | 0 |
| 2 | 0 | 1 | 0 | 1 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .178E-04 PER METER
VISIBILITY LIMIT, UPPER =220139., LOWER =168593. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .719E-04 PER METER
VISIBILITY LIMIT, UPPER = 54372., LOWER = 41641. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = .96 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 28
FOR DATA STARTING 0120 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 447 | 508 | 277 | 72 | 20 | 2 | 0 | 2 |
| 4 | 3 | 6 | 6 | 0 | 6 | 2 | 5 |

EXTINCTION COEFFICIENT = .485E-04 PER METER
VISIBILITY LIMIT, UPPER = 80688., LOWER = 61794. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .91 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 4 | 3 | 3 | 0 | 1 | 0 | 1 |
| 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .104E-04 PER METER
VISIBILITY LIMIT, UPPER =375490., LOWER =287568. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .589E-04 PER METER
VISIBILITY LIMIT, UPPER = 66416., LOWER = 50864. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .92 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 29
FOR DATA STARTING 0:30 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 459 | 535 | 338 | 74 | 24 | 1 | 1 | 3 |
| 3 | 3 | 5 | 5 | 2 | 1 | 4 | 9 |

EXTINCTION COEFFICIENT = .528E-04 PER METER
VISIBILITY LIMIT, UPPER = 74110., LOWER = 56757. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .98 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 4 | 1 | 2 | 2 | 2 | 1 | 1 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .962E-05 PER METER
VISIBILITY LIMIT, UPPER =406581., LOWER =311380. METERS
LIQUID WATER CONTENT = .00008 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-05 PER METER
VISIBILITY LIMIT, UPPER =1049934, LOWER =804091. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .661E-04 PER METER
VISIBILITY LIMIT, UPPER = 59153., LOWER = 45302. METERS
LIQUID WATER CONTENT = .00026 GM/M3
PARTICLE COUNT = .99 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 30
FOR DATA STARTING 0140 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 443 | 594 | 320 | 80 | 22 | 5 | 1 | 3 |
| 4 | 5 | 2 | 7 | 2 | 1 | 4 | 3 |

EXTINCTION COEFFICIENT = .527E-04 PER METER
VISIBILITY LIMIT, UPPER = 74203., LOWER = 56828. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.00 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 1 | 8 | 7 | 3 | 0 | 2 | 0 |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .165E-04 PER METER
VISIBILITY LIMIT, UPPER =237063., LOWER =181554. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .157E-04 PER METER
VISIBILITY LIMIT, UPPER =249015., LOWER =190708. METERS
LIQUID WATER CONTENT = .00064 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .849E-04 PER METER
VISIBILITY LIMIT, UPPER = 46060., LOWER = 35275. METERS
LIQUID WATER CONTENT = .00090 GM/M3
PARTICLE COUNT = 1.02 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 31
FOR DATA STARTING 0150 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 558 | 662 | 325 | 70 | 34 | 4 | 2 | 2 |
| 2 | 7 | 4 | 8 | 5 | 2 | 8 | 7 |

EXTINCTION COEFFICIENT = .613E-04 PER METER
VISIBILITY LIMIT, UPPER = 63845., LOWER = 48896. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.13 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 6 | 2 | 2 | 4 | 8 | 4 | 2 |
| 0 | 0 | 1 | 0 | 0 | 0 | 2 | 0 |

EXTINCTION COEFFICIENT = .205E-04 PER METER
VISIBILITY LIMIT, UPPER =190734., LOWER =146073. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .818E-04 PER METER
VISIBILITY LIMIT, UPPER = 47833., LOWER = 36633. METERS
LIQUID WATER CONTENT = .00032 GM/M3
PARTICLE COUNT = 1.16 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 32
FOR DATA STARTING 11 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 469 | 591 | 297 | 54 | 23 | 3 | 2 | 6 |
| 4 | 4 | 5 | 3 | 2 | 3 | 9 | 5 |

EXTINCTION COEFFICIENT = .532E-04 PER METER
VISIBILITY LIMIT, UPPER = 73525., LOWER = 56309. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .99 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 1 | 3 | 3 | 3 | 2 | 2 |
| 0 | 0 | 0 | 2 | 2 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .196E-04 PER METER
VISIBILITY LIMIT, UPPER =199733., LOWER =152965. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .760E-04 PER METER
VISIBILITY LIMIT, UPPER = 51461., LOWER = 39411. METERS
LIQUID WATER CONTENT = .00037 GM/M3
PARTICLE COUNT = 1.01 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 33
FOR DATA STARTING 1110 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 393 | 590 | 321 | 65 | 22 | 4 | 1 | 4 |
| 1 | 7 | 9 | 10 | 5 | 8 | 3 | 2 |

EXTINCTION COEFFICIENT = .531E-04 PER METER
VISIBILITY LIMIT, UPPER = 73718., LOWER = 56457. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .96 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 3 | 1 | 4 | 1 | 3 | 0 | 0 |
| 3 | 1 | 1 | 1 | 1 | 1 | 1 | 0 |

EXTINCTION COEFFICIENT = .189E-04 PER METER
VISIBILITY LIMIT, UPPER =206664., LOWER =158274. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 2 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .108E-04 PER METER
VISIBILITY LIMIT, UPPER =363712., LOWER =278548. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .828E-04 PER METER
VISIBILITY LIMIT, UPPER = 47274., LOWER = 36205. METERS
LIQUID WATER CONTENT = .00052 GM/M3
PARTICLE COUNT = .98 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 34
FOR DATA STARTING 1:20 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 445 | 573 | 332 | 60 | 25 | 8 | 1 | 2 |
| 4 | 4 | 2 | 7 | 5 | 2 | 5 | 8 |

EXTINCTION COEFFICIENT = .539E-04 PER METER
VISIBILITY LIMIT, UPPER = 72579., LOWER = 55584. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .99 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 6 | 1 | 3 | 2 | 2 | 1 | 3 |
| 3 | 2 | 1 | 0 | 1 | 0 | 1 | 1 |

EXTINCTION COEFFICIENT = .229E-04 PER METER
VISIBILITY LIMIT, UPPER =170883., LOWER =130870. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .574E-05 PER METER
VISIBILITY LIMIT, UPPER =681838., LOWER =522185. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .825E-04 PER METER
VISIBILITY LIMIT, UPPER = 47401., LOWER = 36302. METERS
LIQUID WATER CONTENT = .00049 GM/M3
PARTICLE COUNT = 1.01 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 35
FOR DATA STARTING 1130 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 420 | 571 | 325 | 55 | 25 | 5 | 6 | 4 |
| 3 | 4 | 2 | 0 | 4 | 0 | 4 | 4 |

EXTINCTION COEFFICIENT = .502E-04 PER METER
VISIBILITY LIMIT, UPPER = 77876., LOWER = 59641. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .95 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 3 | 8 | 4 | 2 | 0 | 3 | 0 |
| 0 | 2 | 2 | 2 | 2 | 2 | 1 | 0 |

EXTINCTION COEFFICIENT = .252E-04 PER METER
VISIBILITY LIMIT, UPPER =155248., LOWER =118896. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .782E-04 PER METER
VISIBILITY LIMIT, UPPER = 50009., LOWER = 38299. METERS
LIQUID WATER CONTENT = .00042 GM/M3
PARTICLE COUNT = .98 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 36
FOR DATA STARTING 1140 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 491 | 526 | 324 | 65 | 27 | 1 | 2 | 3 |
| 4 | 5 | 1 | 3 | 2 | 3 | 5 | 6 |

EXTINCTION COEFFICIENT = .521E-04 PER METER
VISIBILITY LIMIT, UPPER = 75098., LOWER = 57514. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .98 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 5 | 3 | 2 | 2 | 4 | 2 | 1 |
| 1 | 1 | 0 | 0 | 1 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .172E-04 PER METER
VISIBILITY LIMIT, UPPER =227507., LOWER =174236. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .693E-04 PER METER
VISIBILITY LIMIT, UPPER = 56461., LOWER = 43240. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 1.00 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 37
FOR DATA STARTING 1150 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 547 | 591 | 300 | 68 | 18 | 1 | 2 | 3 |
| 4 | 5 | 4 | 7 | 2 | 3 | 3 | 7 |

EXTINCTION COEFFICIENT = .553E-04 PER METER
VISIBILITY LIMIT, UPPER = 70788., LOWER = 54213. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.04 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 7 | 2 | 5 | 3 | 4 | 3 | 0 |
| 0 | 0 | 1 | 1 | 0 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .188E-04 PER METER
VISIBILITY LIMIT, UPPER =207841., LOWER =159175. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .773E-04 PER METER
VISIBILITY LIMIT, UPPER = 50600., LOWER = 38752. METERS
LIQUID WATER CONTENT = .00035 GM/M3
PARTICLE COUNT = 1.07 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 38
FOR DATA STARTING 21 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 517 | 535 | 254 | 63 | 14 | 3 | 5 | 4 |
| 1 | 2 | 8 | 3 | 2 | 2 | 1 | 3 |

EXTINCTION COEFFICIENT = .487E-04 PER METER
VISIBILITY LIMIT, UPPER = 80385., LOWER = 61563. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .94 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 4 | 5 | 7 | 0 | 0 | 3 | 1 |
| 2 | 1 | 1 | 0 | 2 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .213E-04 PER METER
VISIBILITY LIMIT, UPPER =183360., LOWER =140426. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .700E-04 PER METER
VISIBILITY LIMIT, UPPER = 35885., LOWER = 42880. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = .97 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 39
FOR DATA STARTING 2:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 590 | 583 | 320 | 73 | 28 | 3 | 1 | 2 |
| 4 | 8 | 7 | 6 | 3 | 2 | 1 | 2 |

EXTINCTION COEFFICIENT = .565E-04 PER METER
VISIBILITY LIMIT, UPPER = 69230., LOWER = 53020. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.09 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 8 | 4 | 2 | 1 | 2 | 2 |
| 1 | 4 | 2 | 0 | 1 | 2 | 0 | 0 |

EXTINCTION COEFFICIENT = .252E-04 PER METER
VISIBILITY LIMIT, UPPER =155119., LOWER =118798. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .323E-05 PER METER
VISIBILITY LIMIT, UPPER =1212427, LOWER =928536. METERS
LIQUID WATER CONTENT = .00006 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .850E-04 PER METER
VISIBILITY LIMIT, UPPER = 46049., LOWER = 35266. METERS
LIQUID WATER CONTENT = .00041 GM/M3
PARTICLE COUNT = 1.12 PER CC

## NEPHELOMETER DATA

SERIES # CTS-18, TEST # 48
FOR DATA STARTING 2128 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 528 | 583 | 309 | 82 | 28 | 5 | 1 | 4 |
| 3 | 9 | 7 | 3 | 1 | 2 | 1 | 5 |

EXTINCTION COEFFICIENT = .550E-04 PER METER
VISIBILITY LIMIT, UPPER = 71088., LOWER = 54437. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.05 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 7 | 1 | 6 | 5 | 1 | 2 | 4 |
| 1 | 0 | 0 | 0 | 2 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .285E-04 PER METER
VISIBILITY LIMIT, UPPER =191236., LOWER =146458. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .574E-05 PER METER
VISIBILITY LIMIT, UPPER =681836., LOWER =522185. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .612E-04 PER METER
VISIBILITY LIMIT, UPPER = 48159., LOWER = 36883. METERS
LIQUID WATER CONTENT = .00043 GM/M3
PARTICLE COUNT = 1.07 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 41
FOR DATA STARTING 2130 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 534 | 527 | 326 | 73 | 30 | 2 | 2 | 2 |
| 4 | 6 | 7 | 5 | 4 | 1 | 3 | 3 |

EXTINCTION COEFFICIENT = .538E-04 PER METER
VISIBILITY LIMIT, UPPER = 72764., LOWER = 55726. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = 1.02 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2 | 10 | 4 | 2 | 5 | 1 | 3 | 2 |
| 0 | 0 | 4 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .190E-04 PER METER
VISIBILITY LIMIT, UPPER =205895., LOWER =157685. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .771E-04 PER METER
VISIBILITY LIMIT, UPPER = 50762., LOWER = 38876. METERS
LIQUID WATER CONTENT = .00037 GM/M3
PARTICLE COUNT = 1.04 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 42
FOR DATA STARTING 2140 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 520 | 586 | 352 | 69 | 24 | 5 | 6 | 3 |
| 4 | 4 | 8 | 6 | 1 | 1 | 3 | 9 |

EXTINCTION COEFFICIENT = .573E-04 PER METER
VISIBILITY LIMIT, UPPER = 68250., LOWER = 52269, METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.07 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 11 | 5 | 4 | 6 | 4 | 0 | 1 | 0 |
| 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .148E-04 PER METER
VISIBILITY LIMIT, UPPER =264528., LOWER =202588, METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500, CC
EXTINCTION COEFFICIENT = .721E-04 PER METER
VISIBILITY LIMIT, UPPER = 54252., LOWER = 41549, METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.09 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 43
FOR DATA STARTING 2150 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 646 | 671 | 345 | 86 | 22 | 5 | 0 | 5 |
| 6 | 6 | 1 | 1 | 2 | 3 | 5 | 8 |

EXTINCTION COEFFICIENT = .626E-04 PER METER
VISIBILITY LIMIT, UPPER = 62533., LOWER = 47891. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.21 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 6 | 4 | 2 | 5 | 0 | 1 | 3 |
| 1 | 0 | 2 | 0 | 1 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .186E-04 PER METER
VISIBILITY LIMIT, UPPER =209877., LOWER =160734. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .109E-04 PER METER
VISIBILITY LIMIT, UPPER =357980., LOWER =274159. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .921E-04 PER METER
VISIBILITY LIMIT, UPPER = 42464., LOWER = 32521. METERS
LIQUID WATER CONTENT = .00057 GM/M3
PARTICLE COUNT = 1.23 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 44
FOR DATA STARTING 3: 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 557 | 616 | 355 | 72 | 23 | 4 | 1 | 3 |
| 3 | 7 | 1 | 6 | 5 | 2 | 6 | 9 |

EXTINCTION COEFFICIENT = .600E-04 PER METER
VISIBILITY LIMIT, UPPER = 65248., LOWER = 49970. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.11 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 8 | 9 | 6 | 0 | 2 | 2 | 0 |
| 2 | 0 | 0 | 2 | 0 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .211E-04 PER METER
VISIBILITY LIMIT, UPPER =185299., LOWER =141911. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .765E-05 PER METER
VISIBILITY LIMIT, UPPER =511321., LOWER =391595. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .887E-04 PER METER
VISIBILITY LIMIT, UPPER = 44095., LOWER = 33770. METERS
LIQUID WATER CONTENT = .00054 GM/M3
PARTICLE COUNT = 1.14 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 45
FOR DATA STARTING 3:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 524 | 661 | 390 | 85 | 20 | 6 | 1 | 3 |
| 2 | 6 | 5 | 5 | 2 | 2 | 5 | 5 |

EXTINCTION COEFFICIENT = .608E-04 PER METER
VISIBILITY LIMIT, UPPER = 64330., LOWER = 49267. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.15 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 12 | 6 | 2 | 6 | 2 | 2 | 2 | 3 |
| 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 |

EXTINCTION COEFFICIENT = .216E-04 PER METER
VISIBILITY LIMIT, UPPER =180732., LOWER =138413. METERS
LIQUID WATER CONTENT = .00020 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .279E-05 PER METER
VISIBILITY LIMIT, UPPER =1400069, LOWER =1072241 METERS
LIQUID WATER CONTENT = .00005 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .853E-04 PER METER
VISIBILITY LIMIT, UPPER = 45888., LOWER = 35143. METERS
LIQUID WATER CONTENT = .00038 GM/M3
PARTICLE COUNT = 1.17 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 46
FOR DATA STARTING 3:20 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 566 | 689 | 354 | 68 | 23 | 8 | 4 | 5 |
| 7 | 9 | 5 | 7 | 3 | 3 | 3 | 4 |

EXTINCTION COEFFICIENT = .621E-04 PER METER
VISIBILITY LIMIT, UPPER = 62965., LOWER = 48222. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.17 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 7 | 5 | 4 | 3 | 8 | 5 | 2 | 2 |
| 1 | 3 | 3 | 1 | 1 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .289E-04 PER METER
VISIBILITY LIMIT, UPPER =135434., LOWER =103722. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .430E-05 PER METER
VISIBILITY LIMIT, UPPER =909219., LOWER =696324. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .953E-04 PER METER
VISIBILITY LIMIT, UPPER = 41042., LOWER = 31432. METERS
LIQUID WATER CONTENT = .00049 GM/M3
PARTICLE COUNT = 1.20 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 47
FOR DATA STARTING 3:30 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 600 | 701 | 427 | 74 | 28 | 0 | 2 | 6 |
| 1 | 7 | 7 | 2 | 2 | 3 | 4 | 6 |

EXTINCTION COEFFICIENT = .655E-04 PER METER
VISIBILITY LIMIT, UPPER = 59691., LOWER = 45714. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = 1.25 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 7 | 13 | 6 | 7 | 4 | 1 | 1 |
| 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .231E-04 PER METER
VISIBILITY LIMIT, UPPER =169583., LOWER =129875. METERS
LIQUID WATER CONTENT = .00019 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .886E-04 PER METER
VISIBILITY LIMIT, UPPER = 44151., LOWER = 33813. METERS
LIQUID WATER CONTENT = .00032 GM/M3
PARTICLE COUNT = 1.28 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 48
FOR DATA STARTING 3:40 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 714 | 760 | 434 | 103 | 42 | 4 | 2 | 3 |
| 5 | 4 | 4 | 0 | 0 | 2 | 0 | 3 |

EXTINCTION COEFFICIENT = .702E-04 PER METER
VISIBILITY LIMIT, UPPER = 55730., LOWER = 42681, METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = 1.39 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 6 | 4 | 0 | 2 | 3 | 2 | 1 |
| 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .128E-04 PER METER
VISIBILITY LIMIT, UPPER =305369., LOWER =233866, METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .830E-04 PER METER
VISIBILITY LIMIT, UPPER = 47129., LOWER = 36094, METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.41 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 49
FOR DATA STARTING 3:50 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 575 | 764 | 430 | 80 | 34 | 1 | 2 | 2 |
| 4 | 2 | 3 | 3 | 5 | 7 | 4 | 2 |

EXTINCTION COEFFICIENT = .669E-04 PER METER
VISIBILITY LIMIT, UPPER = 58440., LOWER = 44756. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = 1.28 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3 | 7 | 6 | 0 | 4 | 2 | 3 | 1 |
| 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .150E-04 PER METER
VISIBILITY LIMIT, UPPER =260134., LOWER =199223. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .861E-05 PER METER
VISIBILITY LIMIT, UPPER =454609., LOWER =348162. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .906E-04 PER METER
VISIBILITY LIMIT, UPPER = 43186., LOWER = 33074. METERS
LIQUID WATER CONTENT = .00044 GM/M3
PARTICLE COUNT = 1.30 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 50
FOR DATA STARTING 4: 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 453 | 666 | 381 | 87 | 34 | 3 | 0 | 2 |
| 2 | 4 | 1 | 2 | 0 | 2 | 4 | 7 |

EXTINCTION COEFFICIENT = .580E-04 PER METER
VISIBILITY LIMIT, UPPER = 67453., LOWER = 51659. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.10 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 1 | 2 | 4 | 1 | 0 | 0 | 0 |
| 3 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .105E-04 PER METER
VISIBILITY LIMIT, UPPER =372159., LOWER =285018. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .685E-04 PER METER
VISIBILITY LIMIT, UPPER = 57103., LOWER = 43732. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.11 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 51
FOR DATA STARTING 4:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 559 | 729 | 461 | 94 | 26 | 9 | 3 | 5 |
| 2 | 2 | 6 | 4 | 3 | 3 | 7 | 10 |

EXTINCTION COEFFICIENT = .693E-04 PER METER
VISIBILITY LIMIT, UPPER = 56437., LOWER = 43222. METERS
LIQUID WATER CONTENT = .00015 GM/M3
PARTICLE COUNT = 1.28 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 4 | 4 | 1 | 4 | 2 | 1 | 1 |
| 1 | 2 | 0 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .139E-04 PER METER
VISIBILITY LIMIT, UPPER =280462., LOWER =214791. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .883E-05 PER METER
VISIBILITY LIMIT, UPPER =442792., LOWER =339112. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .921E-04 PER METER
VISIBILITY LIMIT, UPPER = 42476., LOWER = 32530. METERS
LIQUID WATER CONTENT = .00053 GM/M3
PARTICLE COUNT = 1.30 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 52
FOR DATA STARTING 4:20 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 473 | 630 | 348 | 76 | 23 | 3 | 2 | 4 |
| 4 | 5 | 4 | 1 | 3 | 1 | 4 | 6 |

EXTINCTION COEFFICIENT = .560E-04 PER METER
VISIBILITY LIMIT, UPPER = 69891., LOWER = 53526. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.06 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 8 | 3 | 5 | 5 | 1 | 1 | 1 |
| 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .130E-04 PER METER
VISIBILITY LIMIT, UPPER =300099., LOWER =229830. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .690E-04 PER METER
VISIBILITY LIMIT, UPPER = 56689., LOWER = 43415. METERS
LIQUID WATER CONTENT = .00021 GM/M3
PARTICLE COUNT = 1.08 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 53
FOR DATA STARTING 4:30 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 446 | 667 | 404 | 70 | 25 | 3 | 3 | 1 |
| 3 | 4 | 5 | 4 | 4 | 0 | 3 | 7 |

EXTINCTION COEFFICIENT = .585E-04 PER METER
VISIBILITY LIMIT, UPPER = 66847., LOWER = 51195. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.10 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 4 | 3 | 5 | 5 | 1 | 1 | 1 | 2 |
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .112E-04 PER METER
VISIBILITY LIMIT, UPPER =349913., LOWER =267980. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .373E-05 PER METER
VISIBILITY LIMIT, UPPER =1049934, LOWER =804091. METERS
LIQUID WATER CONTENT = .00007 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .734E-04 PER METER
VISIBILITY LIMIT, UPPER = 53277., LOWER = 40802. METERS
LIQUID WATER CONTENT = .00029 GM/M3
PARTICLE COUNT = 1.12 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 54
FOR DATA STARTING 4140 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 428 | 646 | 393 | 77 | 23 | 5 | 0 | 3 |
| 4 | 7 | 3 | 2 | 0 | 1 | 5 | 12 |

EXTINCTION COEFFICIENT = .583E-04 PER METER
VISIBILITY LIMIT, UPPER = 67136., LOWER = 51416. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.07 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 5 | 2 | 3 | 1 | 1 | 0 | 0 |
| 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .124E-04 PER METER
VISIBILITY LIMIT, UPPER =315123., LOWER =241337. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .707E-04 PER METER
VISIBILITY LIMIT, UPPER = 55345., LOWER = 42386. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.09 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 55
FOR DATA STARTING 4150 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 443 | 665 | 410 | 86 | 32 | 5 | 1 | 2 |
| 3 | 5 | 5 | 4 | 1 | 3 | 2 | 4 |

EXTINCTION COEFFICIENT = .589E-04 PER METER
VISIBILITY LIMIT, UPPER = 66382., LOWER = 50839. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.11 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | 3 | 1 | 4 | 2 | 3 | 0 | 2 |
| 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 |

EXTINCTION COEFFICIENT = .122E-04 PER METER
VISIBILITY LIMIT, UPPER =320068., LOWER =245124. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = .01 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .663E-05 PER METER
VISIBILITY LIMIT, UPPER =590456., LOWER =452200. METERS
LIQUID WATER CONTENT = .00018 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .778E-04 PER METER
VISIBILITY LIMIT, UPPER = 50296., LOWER = 38519. METERS
LIQUID WATER CONTENT = .00041 GM/M3
PARTICLE COUNT = 1.13 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 56
FOR DATA STARTING 5: 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 406 | 709 | 400 | 59 | 21 | 5 | 2 | 4 |
| 5 | 8 | 5 | 7 | 1 | 2 | 1 | 3 |

EXTINCTION COEFFICIENT = .577E-04 PER METER
VISIBILITY LIMIT, UPPER = 67783., LOWER = 51912. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.09 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 4 | 2 | 3 | 0 | 3 | 0 | 1 |
| 0 | 2 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .125E-04 PER METER
VISIBILITY LIMIT, UPPER =312336., LOWER =239202. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .702E-04 PER METER
VISIBILITY LIMIT, UPPER = 55696., LOWER = 42655. METERS
LIQUID WATER CONTENT = .00023 GM/M3
PARTICLE COUNT = 1.11 PER CC

## NEPHELOMETER DATA

SERIES # CTS-18, TEST # 57
FOR DATA STARTING 5:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 403 | 667 | 396 | 88 | 28 | 8 | 4 | 4 |
| 5 | 10 | 7 | 4 | 1 | 2 | 7 | 6 |

EXTINCTION COEFFICIENT = .597E-04 PER METER
VISIBILITY LIMIT, UPPER = 65532., LOWER = 50187. METERS
LIQUID WATER CONTENT = .00013 GM/M3
PARTICLE COUNT = 1.09 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 3 | 3 | 6 | 4 | 0 | 1 | 0 |
| 0 | 1 | 0 | 2 | 0 | 1 | 0 | 1 |

EXTINCTION COEFFICIENT = .175E-04 PER METER
VISIBILITY LIMIT, UPPER =223148., LOWER =170897. METERS
LIQUID WATER CONTENT = .00017 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .574E-05 PER METER
VISIBILITY LIMIT, UPPER =681838., LOWER =522185. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .830E-04 PER METER
VISIBILITY LIMIT, UPPER = 47153., LOWER = 36112. METERS
LIQUID WATER CONTENT = .00044 GM/M3
PARTICLE COUNT = 1.11 PER CC

NEPHELOMETER DATA

SERIES # CTS-18, TEST # 58
FOR DATA STARTING 5:20 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 436 | 727 | 374 | 85 | 32 | 7 | 5 | 2 |
| 1 | 5 | 2 | 5 | 1 | 3 | 3 | 6 |

EXTINCTION COEFFICIENT = .608E-04 PER METER
VISIBILITY LIMIT, UPPER = 65166., LOWER = 49987. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.13 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 3 | 4 | 2 | 3 | 1 | 1 | 0 |
| 0 | 2 | 0 | 0 | 0 | 0 | 0 | 1 |

EXTINCTION COEFFICIENT = .127E-04 PER METER
VISIBILITY LIMIT, UPPER =306979., LOWER =235108. METERS
LIQUID WATER CONTENT = .00011 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .163E-04 PER METER
VISIBILITY LIMIT, UPPER =239336., LOWER =183295. METERS
LIQUID WATER CONTENT = .00041 GM/M3
PARTICLE COUNT = .00 PER CC

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .891E-04 PER METER
VISIBILITY LIMIT, UPPER = 43896., LOWER = 33618. METERS
LIQUID WATER CONTENT = .00064 GM/M3
PARTICLE COUNT = 1.15 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 59
FOR DATA STARTING 5:30 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 361 | 701 | 403 | 80 | 30 | 7 | 0 | 2 |
| 3 | 5 | 0 | 3 | 1 | 1 | 4 | 3 |

EXTINCTION COEFFICIENT = .573E-04 PER METER
VISIBILITY LIMIT, UPPER = 68317., LOWER = 52320. METERS
LIQUID WATER CONTENT = .00012 GM/M3
PARTICLE COUNT = 1.07 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5 | 0 | 6 | 1 | 3 | 1 | 0 | 0 |
| 0 | 0 | 2 | 0 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .126E-04 PER METER
VISIBILITY LIMIT, UPPER =309527., LOWER =237851. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .699E-04 PER METER
VISIBILITY LIMIT, UPPER = 55965., LOWER = 42868. METERS
LIQUID WATER CONTENT = .00022 GM/M3
PARTICLE COUNT = 1.09 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 60
FOR DATA STARTING 5:40 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 388 | 768 | 414 | 83 | 31 | 5 | 2 | 1 |
| 2 | 5 | 5 | 3 | 4 | 6 | 7 | 6 |

EXTINCTION COEFFICIENT = .630E-04 PER METER
VISIBILITY LIMIT, UPPER = 62093., LOWER = 47554. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = 1.15 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 8 | 5 | 6 | 2 | 1 | 1 | 1 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .128E-04 PER METER
VISIBILITY LIMIT, UPPER =305855., LOWER =234239. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .758E-04 PER METER
VISIBILITY LIMIT, UPPER = 51614., LOWER = 39529. METERS
LIQUID WATER CONTENT = .00024 GM/M3
PARTICLE COUNT = 1.17 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 61
FOR DATA STARTING 5:50 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 469 | 775 | 445 | 92 | 24 | 9 | 3 | 2 |
| 5 | 5 | 4 | 5 | 6 | 2 | 5 | 6 |

EXTINCTION COEFFICIENT = .666E-04 PER METER
VISIBILITY LIMIT, UPPER = 58696., LOWER = 44952. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = 1.24 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 6 | 7 | 3 | 3 | 6 | 2 | 0 | 0 |
| 2 | 3 | 1 | 2 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .192E-04 PER METER
VISIBILITY LIMIT, UPPER =203715., LOWER =156015. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .859E-04 PER METER
VISIBILITY LIMIT, UPPER = 45567., LOWER = 34897. METERS
LIQUID WATER CONTENT = .00030 GM/M3
PARTICLE COUNT = 1.26 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 62
FOR DATA STARTING 6: 0 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 666 | 945 | 470 | 107 | 27 | 4 | 1 | 6 |
| 5 | 12 | 5 | 7 | 1 | 4 | 3 | 6 |

EXTINCTION COEFFICIENT = .795E-04 PER METER
VISIBILITY LIMIT, UPPER = 49196., LOWER = 37676. METERS
LIQUID WATER CONTENT = .00016 GM/M3
PARTICLE COUNT = 1.51 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 9 | 3 | 6 | 5 | 2 | 1 | 1 | 0 |
| 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |

EXTINCTION COEFFICIENT = .131E-04 PER METER
VISIBILITY LIMIT, UPPER =298743., LOWER =228792. METERS
LIQUID WATER CONTENT = .00010 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .926E-04 PER METER
VISIBILITY LIMIT, UPPER = 42240., LOWER = 32349. METERS
LIQUID WATER CONTENT = .00027 GM/M3
PARTICLE COUNT = 1.53 PER CC

NEPHELOMETER DATA

SERIES # CTS-10, TEST # 63
FOR DATA STARTING 6:10 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1163 | 1715 | 964 | 234 | 46 | 4 | 2 | 2 |
| 1 | 4 | 3 | 5 | 5 | 1 | 5 | 7 |

EXTINCTION COEFFICIENT = .142E-03 PER METER
VISIBILITY LIMIT, UPPER = 27564., LOWER = 21110. METERS
LIQUID WATER CONTENT = .00028 GM/M3
PARTICLE COUNT = 2.77 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 13 | 8 | 2 | 6 | 2 | 2 | 1 | 2 |
| 1 | 2 | 1 | 0 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .180E-04 PER METER
VISIBILITY LIMIT, UPPER =217569., LOWER =166625. METERS
LIQUID WATER CONTENT = .00014 GM/M3
PARTICLE COUNT = .03 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .160E-03 PER METER
VISIBILITY LIMIT, UPPER = 24465., LOWER = 18736. METERS
LIQUID WATER CONTENT = .00042 GM/M3
PARTICLE COUNT = 2.80 PER CC

## NEPHELOMETER DATA

SERIES # CTS-10, TEST # 64
FOR DATA STARTING 6120 ON 26/ 4/74

DATA FOR CHANNELS 1 THRU 16

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 3557 | 5768 | 3764 | 971 | 168 | 5 | 1 | 3 |
| 8 | 6 | 3 | 4 | 2 | 5 | 6 | 6 |

EXTINCTION COEFFICIENT = .483E-03 PER METER
VISIBILITY LIMIT, UPPER = 8102., LOWER = 6285. METERS
LIQUID WATER CONTENT = .00093 GM/M3
PARTICLE COUNT = 9.52 PER CC

DATA FOR CHANNELS 17 THRU 32

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 10 | 7 | 2 | 1 | 4 | 1 | 1 | 1 |
| 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 |

EXTINCTION COEFFICIENT = .125E-04 PER METER
VISIBILITY LIMIT, UPPER =313869., LOWER =240376. METERS
LIQUID WATER CONTENT = .00009 GM/M3
PARTICLE COUNT = .02 PER CC

DATA FOR CHANNELS 33 THRU 48

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

DATA FOR CHANNELS 49 THRU 64

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

GRAND TOTALS
SAMPLE VOLUME = 1500. CC
EXTINCTION COEFFICIENT = .495E-03 PER METER
VISIBILITY LIMIT, UPPER = 7898., LOWER = 6049. METERS
LIQUID WATER CONTENT = .00102 GM/M3
PARTICLE COUNT = 9.54 PER CC



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