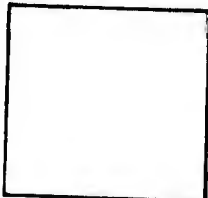


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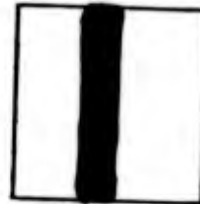
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INVENTORY

Meteorological Report on Operation REDWING, Part 1.
Meteorological Data. Volume XII. Aircraft Weather
Reconnaissance

DOCUMENT IDENTIFICATION

JTFMC TP-1

15 Nov. '56

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METEOROLOGICAL REPORT ON OPERATION REDWING

PART I—METEOROLOGICAL DATA
VOLUME 12—AIRCRAFT WEATHER RECONNAISSANCE

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JOINT TASK FORCE SEVEN

METEOROLOGICAL REPORT
ON
OPERATION REDWING,

PART I - METEOROLOGICAL DATA,
Volume 12 - Aircraft Weather Reconnaissance

JOINT TASK FORCE SEVEN

B. HALL HANLON
Rear Admiral, U. S. Navy
Commander

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PREFACE

During the spring and summer of 1956 a series of atomic tests known as Operation REDWING was conducted at the Pacific Proving Ground by Joint Task Force SEVEN. In order to provide adequate weather information for these operations, special observations were taken at all regular weather stations in the proving ground area; four additional observing stations (Tarawa, Kapingamarangi, Kusaie and Rongerik) were established; intensive aircraft weather reconnaissance was conducted and special ship observations were obtained. The REDWING weather observing period commenced on 15 April 1956 and ended on 31 July 1956.

The Commander, Joint Task Force SEVEN has directed that a REDWING meteorological report be prepared and published in order to make the meteorological data available for post-operation analysis and research purposes. The report has been prepared in two parts as follows:

PART I METEOROLOGICAL DATA

Volume 1	.....Eniwetok
Volume 2	.....Rongerik
Volume 3	.....Kusaie
Volume 4	.....Kwajalein
Volume 5	.....Ponape
Volume 6	.....Wake
Volume 7	.....Majuro
Volume 8	.....Truk
Volume 9	.....Kapingamarangi
Volume 10	.....Tarawa
Volume 11	.....Ship Observations
Volume 12	.....Aircraft Weather Reconnaissance

PART II METEOROLOGICAL ANALYSES

Each of the first eleven volumes of Part I contain all observational data (surface, winds aloft and upper air) obtained during the REDWING period at the station in question. Volume 12 of Part I contains all aircraft weather reconnaissance data obtained within the proving ground area. Part II contains a series of streamline analyses over the southwestern Pacific for selected periods during Operation REDWING; charts for six levels (surface, 10,000, 30,000, 40,000 and 50,000 and 80,000 feet) are included. Part II will be given limited distribution. The complete file of all original REDWING analyses is available at the Joint Task Force SEVEN Meteorological Center.

DANIEL F. REX
Commander, U.S. Navy
Officer in Charge

Joint Task Force SEVEN Meteorological Center
Pearl Harbor, T.H.
15 November 1956

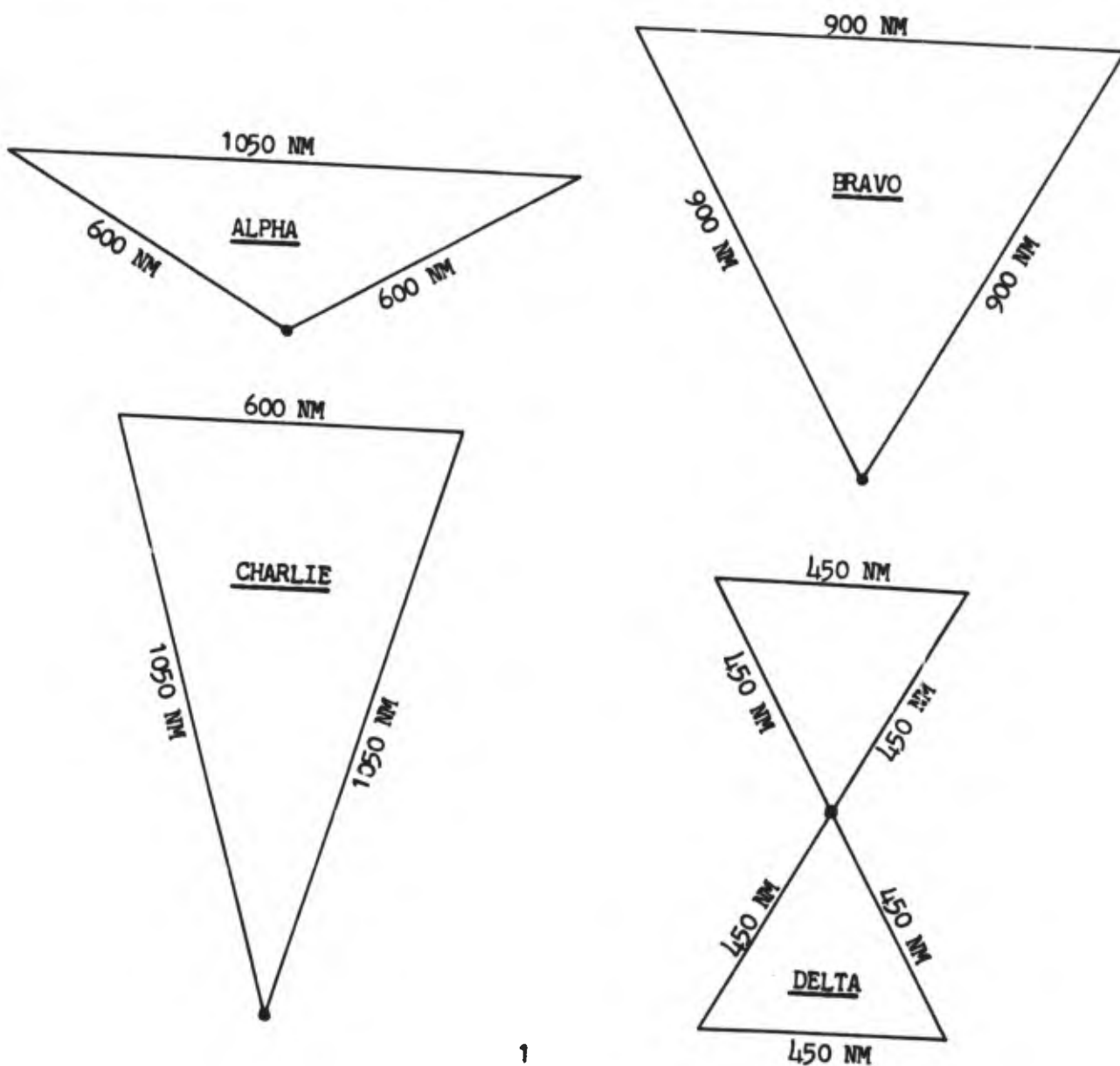
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DESCRIPTION OF RECONNAISSANCE PLAN

During Operation REDWING elements of the 55th Weather Reconnaissance Squadron, U.S. Air Force, normally based at McClellan Air Force Base (California) were assigned to Joint Task Force SEVEN to conduct the weather reconnaissance phase of the Operation. The Weather Reconnaissance Element, Provisional, a part of the Test Services Unit of Task Group 7.4, operated ten (10) WB-50 aircraft from the airstrip located on Eniwetok Island, ENIWETOK ATOLL, M.I.

Normally two missions daily were flown during the operational period; a third mission could be launched whenever the synoptic situation in the Eniwetok Proving Ground area or special circumstances warranted additional observational data. Flight altitudes, sector bearings and flight patterns were selected by personnel of the task force weather central. Most reconnaissance flights followed one of four standard flight patterns; special flights on non-standard tracks were staged when requested. The standard flight patterns are shown below:



After 1 June 1956 the leg lengths of the four standard flight patterns were increased to the followings:

ALPHA 700-1300-700 nautical miles
BRAVO 950-950-950 nautical miles
CHARLIE 1100-650-1100 nautical miles
DELTA 500-500-1000-500-500 nautical miles

Instrumentation used for weather observation on board the reconnaissance aircraft was of standard design as employed universally by the Air Weather Service, U.S. Air Force. Wind data at flight altitude was obtained by means of AN/APN-82 equipment, an electronic navigational aid giving automatic wind determinations. Experience with this equipment during Operation REDWING indicates that wind data so obtained is of excellent quality and is compatible with wind data obtained by means of balloon-borne equipment.

AIRCRAFT RECONNAISSANCE

OBSERVATIONS

AIRCRAFT RECONNAISSANCE OBSERVATIONS

The reconnaissance observations are mainly reproduced as received from the squadron. Some obvious errors have been corrected, but where parts of a report are not consistent with other parts of the same report, corrections were not attempted when it was impossible to determine which item was in error. Accordingly, it will be noted that some internal discrepancies exist in the reports as reproduced.

The code form used is the standard RECCO Code given on AWS Form 35 (Nov. 53) and OPNAV Form 3140-2 (April 54) except that the four (4) indicator group (surface wind) has been omitted. This code is explained in detail on pages 7 through 10 following.

The observational data included in this report is arranged in chronological order. Each individual flight is recorded on a separate page; the type of flight pattern flown is indicated as ROC ALPHA, ROC BRAVO, etc., as explained in Description of Reconnaissance Plan, pages 1 and 2. When two or more flights using the same pattern were launched during the same day (as a result of aborted missions, etc.), they are designated as ROC ALPHA ONE, ROC ALPHA TWO, etc. ROC identifies all weather reconnaissance missions flown from ENIWETOK during Operation REDWING. The dates shown are the Greenwich dates of commencement and termination of each mission.

AIRCRAFT WEATHER RECONNAISSANCE

DESCRIPTION OF CODE FORM

Notes and Code Tables referred to below are shown on pages 9 and 10.

FLIGHT (See page 5)

Col. 1	Col. 2	Col. 3	Col. 4	Col. 5	Col. 6	Col. 7	Col. 8	Col. 9	Col. 10	Col. 11	Col. 12	Col. 13	Col. 14	Col. 15	Col. 16	Col. 17	Col. 18	Col. 19	Col. 20	Col. 21	Col. 22	Col. 23	Col. 24
0000	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1	1 1 1 1

<p>Column 1 0000 The numerals are observation numbers used for reference to information entered in the Remarks Section. The 0000 group which normally would precede all reports was omitted for purposes of brevity (Code Table 1).</p> <p>Column 2 0000 Time of observation (ZC) to nearest minute. Units of measurement inches. In this report temperatures and dew points are reported in degrees Celsius (Code Table 2).</p> <p>Column 3 Y Day of the week, Greenwich (1 is Sunday, 2 Monday, etc.).</p> <p>Column 4 0 Octant of the globe. All observations were taken using the code flight 2 (90 to 180 degrees East longitude, North latitudes) or the code flight 7 (90 to 180 degrees East longitude, South latitudes) (Code Table 3).</p> <p>Column 5 1 1 1 1 The latitude, in degrees and tenths of a degree, at which the observation was made.</p> <p>Column 6 1 1 1 1 The longitude, in degrees and tenths of a degree, at which the observation was made. When three numerals are required to indicate the whole degrees (such as 165, 110, etc.), the initial "0" is omitted.</p> <p>Column 7 1 1 1 1 Chaque visibility. The horizontal distance from a point on the earth's surface immediately below the aircraft to the farthest point visible on the earth's surface (Code Table 4 and Note 2).</p> <p>Column 8 1 1 1 1 Horizontal visibility. The maximum visibility common to those sectors comprising one-half or more of the horizontal circle in the plane of the flight level (Code Table 4 and Note 2).</p> <p>Column 9 hhh True altitude of the aircraft in hundreds of feet above mean sea level.</p> <p>Column 10 d t Type of wind determination at flight level (Code Table 5 and Note 18).</p> <p>Column 11 d s Reliability of wind determination at flight level (Code Table 6).</p> <p>Column 12 dd Wind direction at flight level reported in tens of degrees True.</p> <p>Column 13 fff Wind speed at flight level reported in whole knots.</p> <p>Column 14 v Present weather (Code Table 7 and Notes 1 and 3).</p> <p>Column 15 v Remarks on present weather (Code Table 8 and Note 4).</p> <p>Column 16 N Past weather (Code Table 7 and Note 5).</p> <p>Column 17 B Remarks on past weather (Code Table 8 and Note 4).</p> <p>Column 18 T Turbulence (Code Table 9 and Note 1).</p> <p>Column 19 fc Flight conditions (Code Table 10 and Note 18).</p>	<p>Column 20 0 0 0 0 Quadrant weather (Code Table 11 and Note 1).</p> <p>Column 21 1 Group indicator.</p> <p>Column 22 h Number of cloud layers (Note 6).</p> <p>Column 23 h 1 2 3 Amount of clouds in each layer in ascending order (Code Table 12 and Notes 1 and 7).</p> <p>Column 24 C Cloud type (Code Table 13 and Notes 1 and 18).</p> <p>Column 25 hh Altitude of base of cloud (Code Table 14).</p> <p>Column 26 hh Altitude of top of cloud (Code Table 14).</p> <p>Column 27 Provision is made here for reporting additional cloud types and heights using the same format as Column 10.</p> <p>Column 28 Provision is made here for reporting additional cloud types and heights using the same format as Column 10.</p> <p>Column 29 Provision is made here for reporting additional cloud layers using the same format as Column 9.</p> <p>Column 30 Provision is made here for reporting additional cloud types and heights using the same format as Column 10.</p> <p>Column 31 Provision is made here for reporting additional cloud types and heights using the same format as Column 10.</p> <p>Column 32 Group indicator.</p> <p>Column 33 T Air temperature in whole degrees Celsius (Note 8).</p> <p>Column 34 T d Dew point in whole degrees Celsius (Notes 8 and 9).</p> <p>Column 35 Group indicator.</p> <p>Column 36 J Index as to data encoded for the HHH which follows (Code Table 15).</p> <p>Column 37 HHH Height data (Note 10).</p> <p>Column 38 Group indicator (Notes 11, 12 and 13).</p> <p>Column 39 D Direction of surface wind (Code Table 16 and Note 12).</p> <p>Column 40 F Force of surface wind (Code Table 17 and Note 14).</p> <p>Column 41 S State of sea (Code Table 18).</p> <p>Column 42 D h Direction from which the swell is moving (Code Table 16).</p> <p>Column 43 Group indicator.</p> <p>Column 44 V s Significant weather change (Code Table 19 and Note 1).</p> <p>Column 45 S s Distance of occurrence of significant weather change (Code Table 20).</p> <p>Column 46 V c Weather off course of aircraft (Code Table 21 and Note 1).</p> <p>Column 47 D y Bearing of weather off course of aircraft (Code Table 16).</p>
--	--

Column 7
Group indicator.

Column 8
Rate of icing (Code Table 22).

Column 9
Type of icing (Code Table 23).

Column 10
Distance to beginning of icing (Code Table 20).

Column 11
Distance to ending of icing (Code Table 20).

Column 12
Group indicator.

Column 13
Height of base of icing stratum (Code Table 14 and Note 15).

Column 14
Height of top of icing stratum (Code Table 14 and Note 15).

Column 15
Group indicator (Notes 16 and 17).

Column 16
Bearing of center of radar echo in terms of degrees True.

Column 17
Distance to center of radar echo in terms of nautical miles.

Column 18
Orientation of radar echo ellipse (Code Table 24).

Column 19
Group indicator (Notes 16 and 17).

Column 20
Width or diameter of radar echo in terms of nautical miles.

Column 21
Length of major axis of radar echo in terms of nautical miles.

Column 22
Character of radar echo (Code Table 25).

Column 23
Intensity of radar echo (Code Table 26).

Information entered in the Remarks Section of the Aircraft Weather Reconnaissance form is given in plain language, i.e. not encoded.

NOTES

1. Present weather, cloud types and amounts, turbulence, and the surface values will be reported for a cylindrical portion of the atmosphere, approximately 30 miles in radius about the plane at the time of observation. Weather beyond the 30-mile radius of the observation range will be reported under the Weather Quadrants columns (Q_N, Q_E, Q_S, Q_W). Each quadrant is comprised of a sector, 45° on either side of the primary direction (N, E, S, W). Significant Weather Changes (W_s) and Weather Off Course (W_o) will supplement data given under the Weather Quadrants columns.

2. Horizontal visibility is the maximum visibility common to sectors comprising $\frac{1}{4}$ or more of the horizon circle on the plane of the flight level. Oblique visibility is the horizontal distance from a point on the earth's surface immediately below the aircraft to the farthest point visible on the earth's surface.

3. Under present weather "w" code figure 2 is reported when the total amount of clouds above or below the aircraft is $\frac{1}{2}$ ths or more.

4. "m." Remarks on present and past weather. Information which best amplifies the present or past weather will be reported.

5. "W." Past Weather. The most significant weather encountered since the last report, or in the past hour, whichever time is shorter, will be reported for "W."

6. If more than 3 layers are reported, the 1-group will be repeated with the additional ChhHH groups following. If a chaotic sky is observed, code figure 9 will be entered under k. If it is impossible to determine that clouds exist (due to darkness or for other reasons) an "X" will be reported for "k." When a cloud layer is present but data on the type, height and extent of coverage cannot be observed, an "X" will be reported for N, C, hh and HH, as appropriate. When "k" is coded as 9, N, represents the total sky cover and N_1N_2 are coded as XX. When "k" is coded as "X," $N_1N_2N_3$ will be coded as 999.

7. $N_1N_2N_3$ —the amount of cloud reported for N_1N_2 , etc., is the amount in the individual layer as though no other cloud were present, i. e., summation concept is not used. If data on more than 3 cloud layers are reported, a second $1k_1N_1N_2N_3$ group plus the required ChhHH groups will be inserted following the last of the first 3 ChhHH groups. The additional number of layers (i. e., exclusive of the first 3 layers) being reported will be given for "k" in the second $1k_1N_1N_2N_3$ group. The coverage of the additional cloud layers will be reported for $N_1N_2N_3$ in the 2d group as required.

8. For negative temperatures, 50 is added to the actual figure (regardless of sign) and the results encoded. For example, a temperature (or dew point) of -6° C. would be encoded as 56. Code figure "49" is reserved for reporting unknown temperatures, hence, for reporting purposes a temperature of -49° C. is considered as -50° C. and code figure "00" is reported for "TT."

9. When indicated wet bulb temperature is below -35° C. "99" will be reported for "T_wT_w."

10. HHH—Height data reported in tens, hundreds, and thousands units.

11. Either the 4ddff or the 5DFSD₁ groups may be used to report surface wind but not both in the same message.

12. dd—Wind direction from which wind is blowing.

13. ff—Wind speed in knots. For wind speeds at 100 to 199 knots inclusive, delete hundreds figure and add 50 to dd, when over 199 knots, dd will be indicated without adding 50, ff will be coded as XX and plain language will be used after second 8 group, e. g., "WIND 240."

14. F—When speeds exceed Force 9, a plain language remark, inserted at the end of the flight level section of the message will give the actual Beaufort Force as "GALE TEN," "STORM ELEVEN" or "HURRICANE TWELVE."

15. h₁h₂H₁H₂. When aircraft encounters icing in level flight the height at which the icing occurred will be reported for "h₁h₂." The H₁H₂ will be reported as "XX."

16. If the radar set is operating, the introductory Key group 96669 will be sent at the beginning of the message regardless of whether an echo is observed or not. This allows the analyst to determine that no echoes are present in the area if radar data are not included in the message.

17. When the distance to the echo center exceeds 99 nautical miles, 50 is added to the d₁d₂ value and the tens value of the range is entered under S₁. For example—an echo center located on an azimuth of 270° from the aircraft at a range of 150 nautical miles would be encoded as 775 for d₁d₂S₁.

18. "X" will be used for Tables 5, 10, and 18 when unknown due to darkness or other causes.

CODE TABLES

<p style="text-align: center;">TABLE 1 9XXX9</p> <p>000 NOT USED 171 English Units—Heights in feet 222 Metric Units—Heights in meters 223 Metric Units—Heights in meters 224 NOT USED 225 NOT USED 226 English Units—Heights in feet 777 Metric Units—Heights in meters 228 Pressure (Millibars) 229 NOT USED</p> <p style="text-align: right; font-size: small;">RECCO REPORTS WITHOUT RADAR DATA</p> <p style="text-align: right; font-size: small;">RECCO REPORTS WITH RADAR DATA</p>	<p style="text-align: center;">TABLE 2 I</p> <p>0 °C. No Humidity Reported 1 °C. Relative Humidity Reported 2 °C. Wet Bulb Depression Reported 3 °C. Dew Point Depression Reported 4 °C. Dew Point Reported 5 °F. No Humidity Reported 6 °F. Relative Humidity Reported 7 °F. Wet Bulb Depression Reported 8 °F. Dew Point Depression Reported 9 °F. Dew Point Reported</p>	<p style="text-align: center;">TABLE 3 Q</p> <p>0 0-90° W. } North 1 90-180° W. } Latitude 2 180-90° E. } 3 90-0° E. } 4 Not Used 5 0-90° W. } South 6 90-180° W. } Latitude 7 180-90° E. } 8 90-0° E. } 9 Not Used</p>	<p style="text-align: center;">TABLE 4 V_E, V_H</p> <p>0 0 to ¼ Nautical Mile 1 ¼ to ½ Nautical Mile 2 ½ to 1 Nautical Mile 3 1 to 2 Nautical Miles 4 2 to 10 Nautical Miles 5 10 to 20 Nautical Miles 6 20 to 50 Nautical Miles 7 Over 50 Nautical Miles 8 No Report Due to Darkness 9 No Report, Surface Obscured</p>																															
<p style="text-align: center;">TABLE 5 d_t</p> <p>0 Spot Wind 1 Wind averaged over 100 miles, last 25 miles prior to this position 2 Wind averaged over 200 miles, last 25 miles prior to this position 3 Wind averaged over 300 miles, last 25 miles prior to this position 4 Wind averaged over 400 miles, last 25 miles prior to this position 5 Wind averaged over 100 miles, last 25 miles prior to this position 6 Wind averaged over 200 miles, last 25 miles prior to this position 7 Wind averaged over 300 miles, last 25 miles prior to this position 8 Wind averaged over 400 miles, last 25 miles prior to this position 9 Wind averaged over more than 400 miles</p>	<p style="text-align: center;">TABLE 6 d_a</p> <p>0 50% to 100% Reliable: Multiple drift with closed wind star or small open star when winds are 50 knots or greater. Short radar wind runs 1 75% to 100% Reliable: Multiple drift with small open star or double drift or single drift with average ground speed by timing. Short radar wind runs 2 50% to 100% Reliable: Fix to fix winds using following: Pin point visual fixes, radar fixes or accurate loran fixes using good ground waves 3 75% to 80% Reliable: Fix to fix winds using 2 or 3 LOPs either loran, celestial, radio, or sight bearings when all LOPs are considered reliable 4 50% to 50% Reliable: Winds obtained using single drift and single LOP (speed line), air plot, etc. 5 50% to 75% Reliable: Fix to fix winds using 2 or 3 LOPs loran, celestial, radio, or sight bearings when one of the LOPs is not considered reliable 6 Less Than 50% Reliable: Winds obtained by any of the above methods which the navigator believes to be inaccurate or of questionable accuracy 7 No Reliability: Assumed or estimated winds 8 No Wind: Navigator unable to determine wind 9 Not Used</p>	<p style="text-align: center;">TABLE 7 w, W</p> <p>0 Clear (No cloud at any level) 1 Partly Cloudy (Scattered or Broken) 2 Continuous Layer(s) of Cloud(s) 3 Sandstorm, Dust-storm, Storm of Drifting Snow 4 Fog, Thick Dust, or Haze 5 Drizzle 6 Rain 7 Snow or Rain and Snow Mixed 8 Shower(s) 9 Thunderstorm(s)</p>	<p style="text-align: center;">TABLE 8 m, M</p> <p>0 No Remarks 1 Light Intermittent 2 Light Continuous 3 Moderate Intermittent 4 Moderate Continuous 5 Heavy Intermittent 6 Heavy Continuous 7 With Rain 8 With Snow 9 With Hail</p>																															
<p style="text-align: center;">TABLE 9 B</p> <p>0 None 1 Light Turbulence 2 Moderate Turbulence in Clear Air, Infrequent 3 Moderate Turbulence in Clear Air, Frequent 4 Moderate Turbulence in Cloud, Infrequent 5 Moderate Turbulence in Cloud, Frequent 6 Severe Turbulence in Clear Air, Frequent 7 Severe Turbulence in Clear Air, Infrequent 8 Severe Turbulence in Cloud, Infrequent 9 Severe Turbulence in Cloud, Frequent</p>	<p style="text-align: center;">TABLE 10 f_c</p> <p>0 Total Amount of Cloud less than ¼ 1 Cloud Amount at least ¼ with ¼-¾ above and/or ¼-¾ below 2 Cloud Amount more than ¼ above and 0-¾ below 3 Cloud Amount 0-¾ above and more than ¾ below 4 Cloud Amount more than ¾ above and more than ¾ below 5 Chaotic Sky—many undefined layers 6 In and Out of Clouds 25% of the time 7 In and Out of Clouds 50% of the time 8 In and Out of Clouds 75% of the time 9 In Clouds all of the time, continuous instrument flight</p>	<p style="text-align: center;">TABLE 11 Q_N, Q_E, Q_S, Q_W</p> <p>0 Not Reported 1 No Change From Present Weather 2 Clear 3 Scattered or Broken Clouds 4 Continuous Layer of Clouds 5 Duststorm or Sandstorm 6 Fog, Thick Dust, or Haze 7 Precipitation 8 Funnel Clouds or Waterspout 9 CB Heads or Thunderstorm</p>	<p style="text-align: center;">TABLE 12 N₁, N₂, N₃</p> <p>0 None 1 ¼ of Sky Covered 2 ½ of Sky Covered 3 ¾ of Sky Covered 4 ¾ of Sky Covered 5 ¾ of Sky Covered 6 ¾ of Sky Covered 7 ¾ or more of Sky Covered but not ¾ 8 ¾ of Sky Completely Covered 9 Sky Obscured or Cloud Amount cannot be estimated due to darkness or other causes</p>																															
<p style="text-align: center;">TABLE 13 C</p> <p>0 Cirrus 1 Cirrocumulus 2 Cirrostratus 3 Altostratus 4 Stratostratus 5 Stratocumulus 6 Stratus 7 Fractostratus 8 Cumulus or fractocumulus 9 Cumulonimbus</p>	<p style="text-align: center;">TABLE 14 M, H, H₁, H₂</p> <table style="width: 100%; font-size: small;"> <tr> <td>00 < 100 ft.</td> <td>70 20,000 ft.</td> </tr> <tr> <td>01 100 ft.</td> <td>79 20,000 ft.</td> </tr> <tr> <td>02 200 ft.</td> <td>80 20,000 ft.</td> </tr> <tr> <td>03 300 ft.</td> <td>81 20,000 ft.</td> </tr> <tr> <td>04 400 ft.</td> <td>82 40,000 ft.</td> </tr> <tr> <td>05 etc.</td> <td>83 40,000 ft.</td> </tr> <tr> <td>06 5,000 ft.</td> <td>84 50,000 ft.</td> </tr> <tr> <td>07 5,000 ft.</td> <td>85 55,000 ft.</td> </tr> <tr> <td>08 5,000 ft.</td> <td>86 60,000 ft.</td> </tr> <tr> <td>09 5,000 ft.</td> <td>87 65,000 ft.</td> </tr> <tr> <td>10 5,000 ft.</td> <td>88 70,000 ft.</td> </tr> <tr> <td>11 7,000 ft.</td> <td>89 > 70,000 ft.</td> </tr> <tr> <td>12 8,000 ft.</td> <td>90 XX UNKNOWN</td> </tr> <tr> <td>13 9,000 ft.</td> <td></td> </tr> <tr> <td>etc.</td> <td></td> </tr> </table>	00 < 100 ft.	70 20,000 ft.	01 100 ft.	79 20,000 ft.	02 200 ft.	80 20,000 ft.	03 300 ft.	81 20,000 ft.	04 400 ft.	82 40,000 ft.	05 etc.	83 40,000 ft.	06 5,000 ft.	84 50,000 ft.	07 5,000 ft.	85 55,000 ft.	08 5,000 ft.	86 60,000 ft.	09 5,000 ft.	87 65,000 ft.	10 5,000 ft.	88 70,000 ft.	11 7,000 ft.	89 > 70,000 ft.	12 8,000 ft.	90 XX UNKNOWN	13 9,000 ft.		etc.		<p style="text-align: center;">TABLE 15 J</p> <p>0 Surface Pressure in whole mbs., thousands figure omitted 1 Height of 1,000 mb. surface in tens of geopotential feet above MSL (if negative, add 500) 2 Height of 850 mb. surface in tens of geopotential feet above MSL (if negative, add 500) 3 Height of 700 mb. surface in tens of geopotential feet above MSL (Omit tens of thousands figures) 4 Height of 500 mb. surface in tens of geopotential feet above MSL (Omit tens of thousands figures) 5 Height of 300 mb. surface in tens of geopotential feet above MSL (Omit tens of thousands figures) 6 Height of 150 mb. surface in tens of geopotential feet above MSL (Omit tens of thousands figures) 7 Height of 100 mb. surface in tens of geopotential feet above MSL (Omit tens of thousands figures) 8 True Height (Radio alt. or other method) HRR, minus height recorded by pressure alt., set at 20.92 in., in tens of feet (if negative add 500) 9 Altimeter subscale reading in mbs., thousands figure omitted</p>	<p style="text-align: center;">TABLE 16 D, D_D, D_K</p> <p>0 Calm or Stationary (or at the station) 1 Northeast 2 East 3 Southeast 4 South 5 Southwest 6 West 7 Northwest 8 North 9 All directions, no definite direction, or unknown</p>	<p style="text-align: center;">TABLE 17 F</p> <p>0 Calm 1 1-3 Knots 2 4-6 Knots 3 7-10 Knots 4 11-16 Knots 5 17-21 Knots 6 22-27 Knots 7 28-33 Knots 8 34-40 Knots 9 41 Knots or over</p>
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13 9,000 ft.																																		
etc.																																		
<p style="text-align: center;">TABLE 18 S</p> <p>0 Calm (Glass) 1 Calm (Rippled) 2 Smooth (Waves less) 3 Slight 4 Moderate 5 Rough 6 Very Rough 7 High 8 Very High 9 Phenomenal</p>	<p style="text-align: center;">TABLE 19 W₀</p> <p>0 No Change 1 Marked Wind Shift 2 Marked Turbulence Begins or Ends 3 Marked Temperature Change, not with altitude 4 Precipitation Begins or Ends 5 Change in Cloud Forms 6 Fog Bank Begins or Ends 7 Warm Front 8 Cold Front 9 Front, Type not specified</p>	<p style="text-align: center;">TABLE 20 S₁, S₂, S₃</p> <p>0 No Report 1 Reported at previous position 2 Occurring at present position 3 25 Nautical Miles 4 50 Nautical Miles 5 75 Nautical Miles 6 100 Nautical Miles 7 125 Nautical Miles 8 150 Nautical Miles</p>	<p style="text-align: center;">TABLE 21 W₀</p> <p>0 No Report 1 Signs of Hurricane 2 Ugly Threatening Sky 3 Duststorm or Sandstorm 4 Fog 5 Waterspout 6 Cirrostratus shield or bank 7 Altostratus or altocumulus shield or bank 8 Line of heavy cumulus 9 Cumulonimbus heads or thunderstorm</p>	<p style="text-align: center;">TABLE 22 I_r</p> <p>0 .1 in. or 2 mm. 1 .2-3 in. or 3-5 mm. 2 .4-1 in. or 4-10 mm. 3 .5-6 in. or 11-16 mm. 4 .7-2 in. or 18-30 mm. 5 .9-1.0 in. or 21-25 mm. 6 Over 1.0 in. or 25 mm. 7 Light 8 Moderate 9 Heavy</p>																														
<p style="text-align: center;">TABLE 23 I_t</p> <p>0 None 1 Rimé Ice in Clouds 2 Clear Ice in Clouds 3 Combination Rimé and Clear Ice in Clouds 4 Rimé Ice in Precipitation 5 Clear Ice in Precipitation 6 Combination Rimé and Clear Ice in Precipitation 7 Frost (falling in clear air) 8 Nonpersistent contrails 9 Persistent contrails</p>	<p style="text-align: center;">TABLE 24 O₀</p> <p>0 No Report 1 NW-NW 2 NE-SW 3 NW 4 SE 5 SE-NW 6 SE-NW 7 SE-NW 8 N 9 Uncertain</p>	<p style="text-align: center;">TABLE 25 c₀</p> <p>0 Not Reported, Indeterminate 1 Scattered 2 Solid 3 Scattered Line 4 Solid Line 5 Scattered, All Quadrants 6 Solid, All Quadrants</p>	<p style="text-align: center;">TABLE 26 I₀</p> <p>0 No Report, Unknown 1 Weak, Decreasing 2 Weak, No Change 3 Weak, Increasing 4 Moderate, Decreasing 5 Moderate, No Change 6 Moderate, Increasing 7 Strong, Decreasing 8 Strong, No Change 9 Strong, Increasing</p>																															

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT RC CHARLIE Date 14-15 April 1956

06001	YO	010	020	030	040	050	060	070	080	090	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350					
1	1924	7009	6495	0900	0704	0181	3000	1425	8152	8157	8060	1130	6663																												
2	2034	7207	6666	0900	0705	1080	1111	1512	8156	8197	8095	1860	6666	2767																											
3	2034	7207	6696	0900	0612	1010	1111	1425	8095	8066	6666	1150	2767																												
4	2124	7356	6856	0900	0500	1010	1111	1428	8154	8095	8096	1150	2767																												
5	2154	7456	6966	0900	0610	1010	1111	1412	8156	8095	8096	1150	2767																												
6	2254	7556	7096	0900	1010	1010	1111	1411	8157	8095	8098	1150	2767																												
7	2354	7656	7166	0900	0900	1010	1111	1411	8095	8090	8095	1120	0606																												
8	2454	7756	7366	0900	1010	1010	1111	1311	8095	8090	8090	1120	0606																												
9	2544	7813	7466	0900	1100	1010	1111	1312	8156	8095	8098	1120	0606																												
10	0014	1200	7567	1500	0900	1010	1111	1210	8090	8098	8098																														
11	0054	1208	7697	1610	0900	1010	1111	1428	8070	8090	8098	1120	0606																												
12	0114	1218	7808	1600	2102	2091	1000	1425	8535	3467	3708	1150	0606																												
13	0154	1207	7958	1600	2015	2001	1000	1425	8535	3467	3708	1150	0606																												
14	0214	1207	7998	1600	2015	2001	1000	1425	8535	3467	3708	1150	0606																												
15	0254	1209	7760	1600	2102	2001	1000	1425	8535	3467	3708	1150	0606																												
16	0344	1207	7497	1600	2102	2001	1000	1425	8535	3467	3708	1150	0606																												
17	0414	1210	7867	1600	2700	1000	1111	1425	8535	3467	3708	1150	0606																												
18	0524	1219	6967	1600	2808	1010	1111	1425	8535	3467	3708	1150	0606																												
19	0604	1217	6766	1600	0900	1010	1111	1425	8535	3467	3708	1150	0606																												
20	0614	12110	6566	1610	0900	1090	1111	1260	8098	8520	8520																														

REMARKS

Observation #16: 50-mile line of heavy Cu 10 miles SW of posit, oriented NE through SE, tops at 15,000 feet.
 Observation #10: cloud winds 2997 1111 2121, 3112 1108 5992 6992.
 Observation #11: Towering Cu all quadrants.
 Observation #18: 35-mile wide line heavy Cu 30 miles SW of posit and oriented ENE-WSW, 75-100 miles long, tops at 16,000 to 20,000, occasionally to 25,000 feet; moderate turbulence and rainshowers in clouds.
 Observation #17: Broken Cu 70 miles E of posit, tops 25,000 to 29,000 feet.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT RCZ BRAVO Date 15-16 April 1956

Serial	Time			Altitude		Wind	Temp	Pressure	Density	Moisture	Illum	Clouds		Visibility	Remarks
	YY	MM	SS	FT	M										
1	1915L	12099	61855	01501	01501	06013	81811	20000	12000	15342	07878				8 4 4 5 0
2	1908L	12095	61038	01501	01501	07013	81811	21111	15342	07878					
3	1941L	12071	64966	01501	08012	08012	81811	21911	15311	07878					
4	2012L	12056	62766	01501	08010	08010	81811	21111	15321	07878					
5	2048L	12062	65566	01501	10010	10010	10951	22119	13551	07878					
6	2115L	12027	67166	01501	10012	10012	20000	21111	12270	08080					
7	2148L	12013	68066	01501	09012	09012	20000	61111	13224	08080					
8	2215L	12002	69166	01501	08010	08010	20000	21111	12280	08080					
9	2247L	12016	70067	16001	07012	10100	11111	11111	12310	08080					
10	2314L	12008	71867	16001	16001	10100	10100	11111	11311	08080					
11	0014L	22008	72667	16001	20015	10100	10100	11119	11334	08080					
12	0053L	22049	73790	16001	18005	09505	90000	90000	11899	08000					
13	0151L	22071	75090	16001	21013	09505	90000	90000	11999	08000					
14	0211L	22092	76390	16001	25015	20001	20001	11999	11999	08000					
15	0344L	22114	77697	26001	26001	20001	20001	11999	11999	08000					
16	0530L	22114	79097	26001	26001	20001	20001	11999	11999	08000					
17	0609L	22114	79997	26001	26001	20001	20001	11999	11999	08000					
18	0747L	22114	79097	26001	27005	20101	21111	13322	13322	08080					
19	0506L	22114	67967	26001	29005	10101	21141	11111	13311	08080					
20	0608L	22114	68867	26001	28015	10100	19999	14121	11300	08080					

REMARKS

Observation #1: On arranged in irregular rows NE to NW. Cilas winds 2218Z - 3091Z 40218 51020 61015 71013 81117
 91013 99991 01013 11012 21010 31008 41007 50812
 Observation #12: Additional Rebar echo - 0950L 81146
 Observation #15: Drop Souds 71777 22114 78077 00099 26020 65484 13110 70085 09010 50909 57760 44176 67990 55555
 00014 25250 11916 14140 28866 07510 33589 55590 44602 57760

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC BRAVO

Date _____

18-19 April 1956

0600	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
Altitude	Temp	Humidity	Wind	Wind Dir	Wind Spd	Wind Spd G	Wind Spd M	Wind Spd K	Wind Spd J	Wind Spd I	Wind Spd S	Wind Spd U	Wind Spd V	Wind Spd W	Wind Spd X	Wind Spd Y	Wind Spd Z	Wind Spd AA	Wind Spd AB
1	1957L	42099	63255	01420	0601L	0601L	10101	10000	11200	81630	81645	81655	81665	81675	81685	81695	81705	81715	81725
2	2006L	42085	6404L	01501	0702L	81101	81101	20000	11500	81645	81655	81665	81675	81685	81695	81705	81715	81725	81735
3	2056L	42070	64995	01501	0902E	10101	20000	20000	13431	80865	80865	80865	80865	80865	80865	80865	80865	80865	80865
4	2107L	42056	6574L	01501	1008S	81811	70000	70000	13431	80865	80865	80865	80865	80865	80865	80865	80865	80865	80865
5	2140L	42041	66596	01501	0909S	10811	11111	11111	13217	81530	81530	81530	81530	81530	81530	81530	81530	81530	81530
6	2211L	42027	67466	01501	1006E	20811	21111	21111	12960	81645	81645	81645	81645	81645	81645	81645	81645	81645	81645
7	2241L	42013	68266	01501	1101E	10811	21111	21111	12810	81620	81620	81620	81620	81620	81620	81620	81620	81620	81620
8	2313L	42002	69066	01501	0701E	10101	11111	11111	11200	81620	81620	81620	81620	81620	81620	81620	81620	81620	81620
9	2347L	42016	69866	01501	0600E	10101	11111	11111	11200	81620	81620	81620	81620	81620	81620	81620	81620	81620	81620
10	0018L	52002	70766	01501	0801E	10101	21111	21111	12810	81620	81620	81620	81620	81620	81620	81620	81620	81620	81620
11	0050L	52012	71566	01501	0800S	81101	23333	23333	13125	81577	81577	81577	81577	81577	81577	81577	81577	81577	81577
12	0122L	52027	72466	01501	0900E	20201	21111	21111	12170	81577	81577	81577	81577	81577	81577	81577	81577	81577	81577
13	0152L	52041	73266	01501	0701E	20201	21111	21111	12170	81577	81577	81577	81577	81577	81577	81577	81577	81577	81577
14	0224L	52056	74166	01501	0701E	10010	81811	81811	11839	8070X	8070X	8070X	8070X	8070X	8070X	8070X	8070X	8070X	8070X
15	0256L	52070	75066	01501	0701S	20201	21111	21111	12189	81575	81575	81575	81575	81575	81575	81575	81575	81575	81575
16	0329L	52084	75866	01501	0501S	20811	27711	27711	13143	80810	80810	80810	80810	80810	80810	80810	80810	80810	80810
17	0400L	52098	76766	01501	0701S	81811	70000	70000	15282	81640	81640	81640	81640	81640	81640	81640	81640	81640	81640
18	0431L	52114	77667	09501	0701S	10811	11171	11171	11300	81557	81557	81557	81557	81557	81557	81557	81557	81557	81557
19	0504L	52114	78567	09501	0900L	10100	11111	11111	11300	81556	81556	81556	81556	81556	81556	81556	81556	81556	81556
20	0526L	52114	79467	09701	9900L	10101	11111	11111	11400	81550	81550	81550	81550	81550	81550	81550	81550	81550	81550
21	0558L	52114	80367	09601	99001	10100	11111	11111	12210	81540	81540	81540	81540	81540	81540	81540	81540	81540	81540
22	0619L	52114	81267	09601	0800E	10101	11111	11111	12310	81540	81540	81540	81540	81540	81540	81540	81540	81540	81540
23	0640L	52114	82167	09701	9900L	10101	11111	11111	12310	81540	81540	81540	81540	81540	81540	81540	81540	81540	81540
24	0711L	52114	83066	09501	9900L	10101	11111	11111	12310	82550	82550	82550	82550	82550	82550	82550	82550	82550	82550
25	0732L	52114	83966	09701	9900L	10101	10000	10000	12410	82556	82556	82556	82556	82556	82556	82556	82556	82556	82556
26	0804L	52114	84866	09801	9900L	10101	10000	10000	12510	82557	82557	82557	82557	82557	82557	82557	82557	82557	82557

REMARKS

Observation #1: Occasional Cu to 8,000 feet.
 Observation #2: Towering Cu E and SE.
 Observation #3: Occasional Cu to 5,000 feet.
 Observation #4: Occasional Cu to 8,000 feet.
 Observation #5: Isolated shower.
 Observation #6: Ae in layers.
 Observation #7: Occasional billups to 10,000 feet.
 Observation #8: Occasional billups to 9,000 feet.
 Observation #9: Occasional billups to 10,000 feet.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC DELTA

Date _____

18-12 APR 11 1966

66881	YO	L L L L L	0 0 0 0 0	L L L L L	h h h	d d d	66111	0 0 0 0 0	I N I N I N	CHNRH	CHNRH	CHNRH	CHNRH	2 T T T	3 J	5 D F S D	7 I L S S	8 4 5 0	8 W A C L
1	2094L	L211L	6696L	09700	09700	05011	10100	21111	13216	81850	81850	81850	81850	21064	33082	50088	71172	81250	80215
2	2094L	L211L	6666L	09701	08034	08034	10100	21111	13216	81850	81850	81850	81850	21172	33084	60088	71172	81250	80215
3	2154L	L211L	6696L	09701	09010	09010	10100	11111	13212	81850	81850	81850	81850	21174	33085	60084	71174	81250	80215
4	2154L	L211L	6696L	09701	09007	09007	10100	11111	12210	81850	81850	81850	81850	21159	33085	60084	71159	81250	80215
5	2217L	L2135	6696L	16001	27006	27006	10100	11111	12110	81850	81850	81850	81850	25085	38074	60084	71085	81250	80215
7	2354L	L2157	6746L	16001	33004	33004	10100	11111	12200	81850	81850	81850	81850	25267	38068	60084	71267	81250	80215
8	2354L	L2178	6616L	16001	06018	06018	10100	11111	12220	81850	81850	81850	81850	25168	38074	60084	71168	81250	80215
9	0104L	52156	6616L	16001	06018	06018	10100	11111	12210	81850	81850	81850	81850	25772	38077	60084	71772	81250	80215
10	0114L	52114	6616L	16000	09007	09007	10100	11111	12210	81850	81850	81850	81850	20978	38076	60084	71078	81250	80215
11	02180	52092	6116L	16000	09004	09004	20100	21111	13117	81850	81850	81850	81850	20999	38075	60084	71099	81250	80215
12	02524	52071	59890	16000	10017	10017	09100	09000	19000	90000	90000	90000	90000	20153	38070	60084	71053	81250	80215
13	03504	52069	56995	28000	07015	07015	20721	70000	19000	90000	90000	90000	90000	20668	38124	60084	71668	81250	80215
14	04044	52070	57950	28000	07015	07015	20721	70000	19000	90000	90000	90000	90000	20665	38122	60084	71665	81250	80215
15	04394	52092	56066	28700	21010	20720	21111	21111	11999	30000	30000	30000	30000	26391	38128	60084	71391	81250	80215
16	05124	52114	54766	28700	21008	20800	21111	21111	13118	81850	81850	81850	81850	26408	38170	60084	71408	81250	80215
17	05160	52114	57366	28700	30008	30008	20800	21111	13128	81850	81850	81850	81850	26499	38122	60084	71499	81250	80215
18	05174	52114	59866	28000	32010	32010	20800	21111	13118	81850	81850	81850	81850	26465	38120	60084	71465	81250	80215

REMARKS

Observation #1: Widely scattered heavy Cu to W and N.

Observation #2: Scattered heavy Cu to S. Additional Radar echo 80132 81816.

Observation #3: 400 mb height 28000. Additional six-indicator group 64400.

Observation #4: 400 mb height 28700.

Observation #5: 400 mb height 28400.

Observation #6: 400 mb height 28400.

Observation #7: 400 mb height 28700.

Observation #8: 400 mb height 28700.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC BRAVO ONE

Date

19-20 April 1956

06681	VO	L L L	L L L	V V	h h	d L	h h	d L	d a f f	W M S	F C	W S	L	C	H H	C H H	C H H	C H H	2 T T	T U	3 J M M	8 0 F S D	6 W S W D	7 F L S	7 H H M M	8 d d S O	B w w c i		
1	1833L	52108	65296	10600	10600	06012	20811	06012	06012	31111	1327L	82652	82659	07880	07880	21070	31028	21070	31028			6130L							
2	1852L	52102	65296	10600	10600	06009	20201	06009	06009	41111	1328L	82652	82655	07880	07880	21072	31029	21072	31029										
3	1904L	52096	65196	10500	10500	05010	20201	05010	05010	41111	12579	82059	07880	07880	20869	31031	20869	31031											
4	1953L	52091	64796	10500	10500	06005	10200	06005	06005	41111	12550	82057	07880	07880	20969	31031	20969	31031				6130L							
5	2015L	52095	70596	10500	10500	35012	10100	35012	35012	41111	13325	82056	82061	07880	07880	20969	31031	20969	31031				6099L						
6	2045L	52080	71896	10500	10500	31012	10100	31012	31012	41111	13326	82050	82060	07880	07880	20969	31031	20969	31031				6099L						
7	2115L	52074	75566	10500	10500	32006	10100	32006	32006	41111	14321	82050	82062	35758	11600	2096L	31031	2096L	31031										
8	2135L	52069	76866	10500	10500	33014	10100	33014	33014	41111	14223	82045	82061	36163	11600	20806	31031	20806	31031										
9	2158L	52063	76596	16500	16500	29018	20101	29018	29018	61111	15212	82045	82062	36163	12399	25353	34080	25353	34080										
10	2235L	52068	76197	16100	16100	28025	10850	28025	28025	41111	14323	82050	82066	37071	11500	20189	34078	20189	34078										
11	2218L	52112	75297	16000	16000	29010	10100	29010	29010	31111	13413	82056	82063	07880	07880	25090	34076	25090	34076										
12	2257L	52137	75297	16100	16100	30010	10100	30010	30010	31111	12320	82056	82067			25279	34076	25279	34076				61300						
13	0054L	62161	76497	16100	16100	04012	10100	04012	04012	31111	12320	82058	82065			25381	34075	25381	34075										
14	0113L	62186	76297	16000	16000	05012	10100	05012	05012	31111	11100	82056			25382	34074	25382	34074											
15	0147Z	62210	75796	16000	16000	06016	10100	06016	06016	31111	13332	82056	82066	36566		26210	34074	26210	34074										
16	0218Z	62194	71897	16100	16100	10020	10100	10020	10020	11111	12310	82050	82058			25111	34075	25111	34075				6099L						
17	0253L	62177	69997	16000	16000	10020	10100	10020	10020	11111	13312	82050	82066	35758		25271	34072	25271	34072										
18	0327L	62160	67896	16000	16000	10022	20101	10022	10022	41111	13327	82056	82067	07880		25186	34074	25186	34074										
19	0405L	62144	69996	16000	16000	11014	10200	11014	11014	41111	14324	82050	82064	35859	11500	25082	34072	25082	34072										
20	0455L	62129	64196	16012	16012	06020	20100	06020	06020	41111	14323	82050	82062	35859	11700	20189	34073	20189	34073										

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

BOC CHARLIE _____

Date _____

20-21 April 1966

66661	VO	L L L L	L L L V X	h h h	d d	defff	0 0 0 0	I	K N N M M	ChHH	ChHH	ChHH	ChHH	ChHH	2 T T T	3 J M H	6 0 F S D	W S W D	7 I L S S	8 4 S O	9
	1	1824	6214	6495	0990	0804	2000	1226	1156	1656	0800	0800	0800	0800	2161	3327					
	2	1824	6214	6695	0990	0804	2000	1512	1156	1656	0800	0800	0800	0800	2100	3327					
	3	1824	6214	6890	0990	0701	6000	1632	1156	1656	0800	0800	0800	0800	2007	3309					
	4	2014	6214	6994	0990	0701	6000	1632	1156	1656	0800	0800	0800	0800	2100	3309					
	5	2064	6214	7166	0990	0601	4111	1511	1156	1656	0800	0800	0800	0800	2154	3302					
	6	2144	6214	7359	0990	0600	4000	1320	1156	1656	0800	0800	0800	0800	2152	3301					
	7	2144	6214	7506	0990	0600	4000	1416	1156	1656	0800	0800	0800	0800	2108	3301					
	8	2294	6214	7696	0990	0401	4111	1421	1156	1656	0800	0800	0800	0800	2101	3309					
	9	2294	6214	7826	0990	0401	4111	1345	1156	1656	0800	0800	0800	0800	2109	3308					
	10	2504	6114	7996	1600	2920	2001	1327	1156	1656	0800	0800	0800	0800	2516	3807					
	11	2504	6114	7996	1600	2901	2000	1328	1156	1656	0800	0800	0800	0800	2518	3807					
	12	0024	7241	7895	1600	0000	2001	1514	1156	1656	0800	0800	0800	0800	2514	3807					
	13	0154	7241	7786	1600	0000	1201	1250	1156	1656	0800	0800	0800	0800	2700	3818					
	14	0154	7209	7706	2400	0401	2111	1270	1156	1656	0800	0800	0800	0800	2719	3819					
	15	0070	7247	7524	1700	0000	1401	1316	1156	1656	0800	0800	0800	0800	2699	3820					
	16	0290	7213	7066	2400	0000	2111	1318	1156	1656	0800	0800	0800	0800	2708	3812					
	17	0394	7210	7066	2400	0000	2111	1328	1156	1656	0800	0800	0800	0800	2699	3818					
	18	0440	7216	6795	2400	0001	4111	1428	1156	1656	0800	0800	0800	0800	2699	3818					
	19	0417	7212	6695	2400	0000	2001	1327	1156	1656	0800	0800	0800	0800	2699	3812					
	20	0451	7212	6495	2400	1401	2000	1521	1156	1656	0800	0800	0800	0800	2699	3820					

REMARKS

Dropsonde Data: 7171 7210 7068 0047 2500 9595 1500 7007 0750 5021 5776 4478 7090 5555 0016 2410
1171 5790.

Observation #5: Occasional Cu to 11,000 feet.

Observation #14: 400 mb height 24,780.

Observation #15: 400 mb height 24,770.

Observation #16: 400 mb height 24,760.

Observation #17: 400 mb height 24,750.

Observation #20: 400 mb height 24,760.

AIRCRAFT WEATHER RECONNAISSANCE

Date 21-22 April 1956

FLIGHT NO. CHARLIE

6691	10	L ₁ L ₂ L ₃ L ₄ L ₅ L ₆ L ₇ L ₈ L ₉ L ₀	L ₁ L ₂ L ₃ L ₄ L ₅ L ₆ L ₇ L ₈ L ₉ L ₀	h ₁ h ₂ h ₃ h ₄ h ₅ h ₆ h ₇ h ₈ h ₉ h ₀	44777	00015	10101	31111	15332	81530	80062	40699	12260	16855	08181	ChHH	ChHH	2 TT T T	3 J M M	8 D F S D	6 M S M D	7 I J S S	7 H H H H H	8 0 0 0 0 0
1	1925L	7211L	626L6	09600	08015	10101	31111	15332	81530	80062	40699	12260	16855	08181			21005	31093						
2	1926L	7211L	666L6	09600	09006	10810	31117	14281	81530	80060	40683	11300	09181			21005	31093							
3	1927L	7211L	6375L	09600	09006	10100	31111	14212	81558	81542	80075	11900	07880			2100L	31095							
4	2028L	7211L	6965L	09700	07008	8110L	61111	14282	81558	81542	80075	11100	07880			2100L	31097							
5	2029L	7211L	7165L	09600	07010	10810	31117	13212	82058	82062	825L5					2100L	31096							
6	2119L	7211L	7366L	09600	99008	10100	31333	12810	82056	82075						2105L	31096							
7	2120L	7211L	7509L	09700	99008	10100	31111	12860	82058	825L0						2105L	31097							
8	2215L	7211L	7679L	09600	99002	10100	31111	13213	82057	82060	825L0					2105L	31095							
9	2220L	7211L	7896L	09600	99002	10100	31111	13312	82057	82060	825L0					2501L	31072							
10	2302L	7211L	8007L	16000	26005	10100	39111	18260	82058	825L0						2511L	31072							
11	2417L	7213L	8267L	16000	99002	10100	11111	11600	825L0	6L960	87778					2511L	31072							
12	0002L	1216L	7857L	16200	99002	20100	31111	13652	825L0	6L960	87778					2511L	31072							
13	0102L	1218L	7797L	16200	36010	20200	31111	13932	825L0	82577	6L950					2511L	31072							
14	0132L	1220L	7797L	8L800	27013	10800	21111	12990	82575	27880						2511L	31072							
15	0212L	1219L	7516L	2L700	27010	10100	11111	13212	825L0	6L9L5	27880					26911	31117							
16	0202L	1217L	7967L	2L500	29010	20100	21111	12L70	825L0	20880						26910	31122							
17	0252L	1216L	7077L	2L700	25022	20800	4L111	12970	825L0	21080						26911	31122							
18	0402L	1215L	6897L	2L700	26025	10800	4L111	14282	825L0	82060	35961	11600	20080			26709	31120							
19	0432L	1214L	6697L	2L700	26025	10100	4L191	14213	82058	82060	82575	11500	20080			26709	31121							
20	0511L	1217L	6497L	2L700	26090	2010L	61111	16282	82058	92078	82575	132L5	16668	07879	20080	26609	31125							

REMARKS

Explosive Data: 71717 12165 00L30 23210 89500 14090 70091 07990 50916 99990 10475 60990 55555 00015 2L210

- Observation #14: L00 ab height 2L, 690
- Observation #15: L00 ab height 2L, 690
- Observation #16: L00 ab height 2L, 790
- Observation #17: L00 ab height 2L, 790
- Observation #18: L00 ab height 2L, 710
- Observation #19: L00 ab height 2L, 720
- Observation #20: L00 ab height 2L, 760

FLIGHT

ROC ALPHA TWO

Date

20-26, April 1956

AIRCRAFT WEATHER RECONNAISSANCE

06001	Y0	L A S S	L O O A E H	h h d d	d e f f	W M H 6	f Q O O C W	i n P 2 3	C h H H	C h H H	C h H H	C h H H	C h H H	C h H H	C h H H	5 D F S D 6	W S W D 7	f i S S	T h H H H	B o S O	B o S O	B o S O
1	2040L	2218	6426	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
2	2116L	2212	6596	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
3	2218L	2212	6706	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
4	2314L	2219	6916	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
5	2318L	2216	7056	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
6	2318L	2213	7290	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
7	2358L	2212	7196	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
8	0028L	3213	6955	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
9	0054L	3218	6818	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
10	0118L	3216	6690	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
11	0144L	3215	6595	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
12	0216L	3216	6525	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
13	0244L	3217	6215	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
14	0316L	3218	6055	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
15	0348L	3219	5914	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
16	0416L	3220	5756	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
17	0448L	3218	5666	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
18	0516L	3215	5486	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							
19	0548L	3215	6116	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900	0900							

REMARKS

Observation #10: Rapid wind shift, wind went back to 25:00 after 10 minutes. Additional six-indicator group 64300.

Observation #11: Wind erratic.

Observation #12: Climb winds: 99991 15410 23110 33312 43310 53411 63515 73518 83200 93122 99992 08126 12920 22820 32730 42920 53250.

Observation #16: 100 mb height 24,580.

Observation #17: 100 mb height 24,900.

Observation #18: 100 mb height 24,790.

Observation #19: 100 mb height 24,780.

Dropsonde Data: 71717 32200 57329 00018 24220 85479 15080 70012 05540 50900 57710 16642 67810 55555 00006 25220 11921 19160 29166 59760.

AIRCRAFT WEATHER RECONNAISSANCE

Date 24-25 April 1956

NO. BRAND

FLIGHT

6661	Y0	L L L L	L L L L V V	h h h	d d	airif	W M H 6	f c	Q Q Q Q	I	K K K K	CHHH	CHHH	CHHH	CHHH	2 T T	T T	J J	HH	5 D F S D	6 W S V D	7 I S S	8 d d S O	9 S S C L
1	1934L	3210L	6375L	01500	06018	20811	20000	21111	13338	61705	L6670	28080	28080	28080	28080	28080	28080	30009	52321				81276	81338
2	2007L	32095	65166	01500	06019	20801	21111	21111	13338	61705	L6680	28080	28080	28080	28080	28080	28080	30010	51321					
3	2038L	32095	66166	01500	06012	20811	21111	21111	13338	71418	36666	28080	28080	28080	28080	28080	28080	30010	51201					
4	2110L	32075	67865	01500	06008	20810	21111	21111	11206	81310	71618	36062	28080	28080	28080	28080	28080	30010	59119					
5	2141L	32066	69666	01500	06009	20800	21111	21111	13365	81465	36667	28080	28080	28080	28080	28080	28080	30010	59111					
6	2212L	32096	70566	01500	06010	20800	21111	21111	12408	81710	08181	28080	28080	28080	28080	28080	28080	30010	59111					
7	2243L	32066	71966	01500	06010	20800	21991	21991	12410	81710	08181	28080	28080	28080	28080	28080	28080	30010	59111					
8	2314L	32097	73266	01500	06010	20800	21991	21991	11292	81566	80140	45959	28080	28080	28080	28080	28080	30010	59111					
9	2345L	32087	74666	08600	08018	81750	31911	31911	11292	81566	80140	45959	28080	28080	28080	28080	28080	30010	59111					
10	0000L	32084	76796	09800	08008	8195L	61119	61119	11251	81565	80050	61050	28080	28080	28080	28080	28080	30010	59119					
11	0037L	32081	78996	09801	08010	8195L	61111	61111	11125	81558	81565	80040	28080	28080	28080	28080	28080	30010	59119					
12	0109L	32077	79096	09801	08005	20950	21111	21111	12889	80295	47000	28080	28080	28080	28080	28080	28080	30010	59111					
13	0138L	32094	79666	09801	08005	20820	21111	21111	13328	80295	46885	28080	28080	28080	28080	28080	28080	30010	59111					
14	0209L	32110	79596	09801	08005	20820	21111	21111	11252	9153L	60535	80597	28080	28080	28080	28080	28080	30010	59111					
15	0239L	32127	79596	09808	08008	20820	21111	21111	11252	9153L	60535	80597	28080	28080	28080	28080	28080	30010	59111					
16	0257L	32110	79690	09804	08008	20820	21111	21111	11252	71015	60535	80597	28080	28080	28080	28080	28080	30010	59111					
17	0325L	32160	79594	09801	08016	60640	20000	20000	12789	80295	46800	28080	28080	28080	28080	28080	28080	30010	59111					
18	0350L	32176	76096	09704	08010	20810	21111	21111	12189	80295	46500	28080	28080	28080	28080	28080	28080	30010	59111					
19	0419L	32169	74696	09801	08012	20801	21111	21111	13357	80295	46567	28080	28080	28080	28080	28080	28080	30010	59111					
20	0448L	32162	74796	09801	08012	20801	21111	21111	15122	81562	80295	60540	28080	28080	28080	28080	28080	30010	59111					
21	0513L	32155	71996	09801	08010	20810	21111	21111	15332	81562	80295	60540	28080	28080	28080	28080	28080	30010	59111					
22	0542L	32147	69996	09801	08010	20810	21111	21111	11275	80295	60566	60567	28080	28080	28080	28080	28080	30010	59111					
23	0607L	32141	68996	09801	08008	20800	21111	21111	11894	60296	46566	08181	28080	28080	28080	28080	28080	30010	59111					
24	0636L	32135	66996	09813	11010	20800	21111	21111	13176	80044	30009	08080	28080	28080	28080	28080	28080	30010	59111					
25	0654L	32128	66496	09813	10009	20801	21111	21111	15511	80057	80065	60567	28080	28080	28080	28080	28080	30010	59111					
26	0706L	32120	63994	09813	08015	81205	70000	70000	15128	60297	80064	80064	28080	28080	28080	28080	28080	30010	59111					

REMARKS

Observation P: Climb winds: 2314Z to 2502Z - 3060 knots 5070 6020 7022 8021 9080.

Observation R: Line of heavy Cu 30 miles S, 75 miles long, tops 150 MB-30.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC ALPHA TWO

Date _____

25-26 April 1956

0600	Y0	L L L L	L L L L	h h h h	g d r r	w w m m	I C Q O Q O	I N N N	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	h h h h	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1	2012L	42099	6154L	01500	08019	42811	20000	12809	61725	46100											
2	2012L	52009	60755	01500	06019	81811	60000	13163	81261	36063	28181										
3	2012L	52071	5984L	01500	08005	81811	60000	13462	81208	36163	28181										
4	0109L	52056	59095	01500	09010	20811	20000	12560	81663	36062											
5	0137L	52042	58866	01500	09009	20811	20000	12570	81668	36063											
6	2002L	52027	57366	01500	08010	10101	21111	12330	81735	36062											
7	0815L	52039	59666	01500	06009	10100	11111	12220	82060	36063											
8	0917L	52028	60866	01500	07009	10100	21111	12320	82058	36062											
9	0916L	52056	60776	01500	08009	10101	21111	12330	81850	27580											
10	0416L	52064	63776	01500	07010	10101	21111	12350	81725	27580											
11	0528L	52082	65015	01500	07015	10101	21111	13116	81757	81795	27580										
12	0528L	52081	66666	01500	07018	10101	21111	12950	81756	28080											
13	0600L	52069	68166	01800	08015	10101	21111	12950	81757	28080											
14	0650L	52098	6964L	01900	09012	10101	20000	12950	81656	28080											
15	0709L	52105	7104L	01900	08018	10101	20000	12930	81750	28080											
16	0759L	52111	72588	10800	10010	10100	10000	12220	82090	16263											
17	0754L	52111	70988	10900	11007	10100	10000	12920	82090	16263											
18	0819L	52111	69188	10800	15008	10101	60000	12820	82062	16163											
19	0816L	52111	67588	10800	08005	10101	10000	12920	82099	08060											
20	0910L	52111	65088	10900	10004	10100	10000	11300	82060												
21	0995L	52111	64188	10900	07008	10100	10000	12930	82097	08060											

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ Date 28-29 April 1956

REC BRAVO _____

Obs	VO	L, L, L, L	L, L, L, L, L	L, L, L, L, L, L	h _{hh}	e, d	deff	weat	Q _c	Q _w	Q _s	Q _t	Q _u	Q _v	Q _w	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z	Q _z
1	2035L	70099	6154L	01500	01500	11005	05101	05101	70000	15002	71436	81598	63560	12270	36061	08181	08181	22323	30007	51951	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
2	2100L	70005	6064L	01500	00008	08181	00000	01518	20000	15121	61517	81756	81768	12170	47071	08181	08181	28482	30005	50551	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
3	2127L	70070	5084L	01500	10005	08181	00000	15158	20000	15158	81559	36061	47000	12170	30009	30009	30009	28502	30005	50541	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
4	2157L	70056	50990	01500	09010	06811	90000	11009	30000	11009	61400			11700	08181	08181	08181	28395	30005	50551	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
5	2205L	70041	54195	01500	09021	08162	20000	14225	81650	81650	81656	46566	63560	11400	47071	08181	08181	28532	30005	50481	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
6	2254L	70013	50666	01500	10015	10801	61111	12890	81650	81650	81656	47071	63560	11400	47071	08181	08181	28532	30005	50481	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
7	2354L	70002	50666	01500	11016	10101	11111	13112	81650	81650	81656	47071	63560	11400	47071	08181	08181	28532	30005	50481	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
8	2353L	70002	50666	01500	11016	10101	11111	13112	81650	81650	81656	47071	63560	11400	47071	08181	08181	28532	30005	50481	0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
9	2015L	1701L	50666	09700	10020	20100	21111	16111	81650	81650	81656	47071	63560	11400	47071	08181	08181	21008	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
10	0107L	18012	53066	09700	09018	10100	11111	13111	81650	81650	81656	47071	63560	11400	47071	08181	08181	21208	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
11	0107L	18012	53066	09700	09018	10100	11111	13111	81650	81650	81656	47071	63560	11400	47071	08181	08181	21208	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
12	0153L	18006	52166	09700	09010	10100	11111	12180	81650	81650	81656	47071	63560	11400	47071	08181	08181	21305	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
13	0159L	18031	50866	09700	10012	20100	20999	13118	81650	81650	81656	47071	63560	11400	47071	08181	08181	21306	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
14	0205L	18055	50666	09700	08015	20200	20919	15211	81650	81650	81656	47071	63560	11400	47071	08181	08181	21309	31015		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
15	0204L	18059	49566	09700	10017	20000	21111	14111	81650	81650	81656	47071	63560	11400	47071	08181	08181	21209	31013		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
16	0314L	1808L	49766	09700	10011	20200	21111	13977	81650	81650	81656	47071	63560	11400	47071	08181	08181	21308	31013		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
17	0316L	18098	47866	09700	10009	20200	21191	14111	81650	81650	81656	47071	63560	11400	47071	08181	08181	21308	31014		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
18	0405L	1211L	46566	20700	20017	20200	23111	15111	81705	81705	81706	81770	11999	20000	20000	20000	20000	20468	38119		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
19	0406L	1211L	46566	20800	20016	20200	21111	15111	81705	81705	81706	81770	11999	20000	20000	20000	20000	20468	38118		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
20	0514L	1211L	51966	20800	20019	20200	21111	14111	81805	81805	81806	81800	11999	20000	20000	20000	20000	20468	38116		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
21	0514L	1211L	51966	20800	20019	20200	21111	14111	81805	81805	81806	81800	11999	20000	20000	20000	20000	20468	38117		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
22	0618L	1211L	51755	20700	30000	20200	23191	15118	81805	81805	81806	81800	11999	20000	20000	20000	20000	20468	38116		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .
23	0651L	1211L	50866	20800	31018	20200	21111	12899	81850	81850	81850	20000	11999	20000	20000	20000	20000	20471	38116		0 D F S D	0 W S W D	7 I . I . S . S .	7 H . H . M . M .	8 d . d . S . D .	8 W . W . C . I .

REMARKS

- Observation #10: Line initiated Ch. to the North oriented E-W
- Observation #19: 400 mb height 26,717.
- Observation #19: 400 mb height 26,756.
- Observation #20: 400 mb height 26,757.
- Observation #21: 400 mb height 26,781.
- Observation #22: 400 mb height 26,721.
- Observation #23: 400 mb height 26,717.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

RUC DELTA

Date _____

30 April 1956

Obs	YO	L _a	L _b	L _c	L _d	L _e	L _f	L _g	L _h	L _i	L _j	L _k	L _l	L _m	L _n	L _o	L _p	L _q	L _r	L _s	L _t	L _u	L _v	L _w	L _x	L _y	L _z	
1	0953L	22106	64295	07500	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020	07020
2	0426L	20098	65095	07500	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020	05020
3	0901L	20098	67104	07500	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018	08018
4	0930L	20068	68066	07500	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008	09008
5	0608L	20093	68666	07500	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015	07015
6	0655L	20097	69066	07500	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013	08013
7	0707L	20081	69786	07500	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015	09015
8	0753L	20000	70088	07500	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015	08015
9	0630	20021	69887	07500	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002
10	0657	20031	67088	07500	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002	09002
11	0930L	20061	69888	07500	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010	08010
12	1006L	20010	64388	07500	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008	06008
13	1028L	20096	69488	07500	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015	06015

REMARKS

Observation #9: Climb winds 0710Z to 0802Z - 30915 40910 50900 60900 70900 80905 90910 99991 00910 20750 20900

Observation #10: St. Elmo's Fire.

Observation #11: St. Elmo's Fire.

Observation #12: St. Elmo's Fire.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **RDC DELTA** _____ **Date** _____ **30 April - 1 May 1966**

Gage#	L L L V V V				h h h d d e			c c c S S S			i i i N N N			ChRH	ChRH	ChRH	2 T T	3 J MN	5 D F S D	6 M S W D	7 I S S	7 h h M M	8 d d S O	B	r r r r r	B	w w c c					
	0	0	0	0	0	0	0	0	0	0	0	0	0															0	0	0		
1	20498	22132	64095	09800	09800	15012	20200	20200	20200	15989	61835	36500	21102	31008																		
2	21164	22146	65155	09800	09800	20005	20201	20200	20200	18470	60835	36567	21102	31008																		
3	21154	22158	66266	09900	09900	06012	10200	10200	10200	12590	80040	36567	21102	31008																		
4	22158	22172	67365	09900	09900	12014	10100	10100	10100	12590	80030	36567	21153	31008																		
5	22526	22176	64666	09800	09800	08008	20100	20100	20100	12570	80095	36500	21021	31008																		
6	23184	22179	65066	09900	09900	15012	10201	10201	10201	14222	81558	36500	21154	31008																		
7	23454	22182	61379	09800	09800	09010	10204	10200	10200	13531	80051	36595	20908	31008																		
8	00290	32105	59266	16000	16000	25007	10200	10200	10200	12220	80050	36500	20908	31008																		
9	00470	32161	60996	16000	16000	25002	20200	20200	20200	13281	80066	36065	20908	31008																		
10	01274	32137	61426	16000	16000	29008	20200	20200	20200	12770	80040	36065	20185	31008																		
11	02064	32113	62544	16000	16000	12008	10200	10200	10200	12989	80030	36500	20185	31008																		
12	02424	32090	63290	16000	16000	01013	95000	95000	95000	11899	30000		20185	31008																		
13	03164	32087	64190	16000	16000	15021	20201	20201	20201	11899	30000		20185	31008																		
14	03774	32043	64096	29800	29800	23014	20200	20200	20200	12610	30077	08181	20185	31008																		
15	04330	32048	62596	29812	29812	22004	10101	10101	10101	14213	80065	36065	20185	31008																		
16	05074	32052	60090	29813	29813	16005	20101	20101	20101	11999	20000		20185	31008																		
17	05314	32056	57590	29813	29813	10017	20101	20101	20101	11999	20000		20185	31008																		
18	06140	32075	59194	29701	29701	25014	20201	20201	20201	12870	30077	08181	20185	31008																		
19	06460	32095	60794	29800	29800	29021	20201	20201	20201	13026	30079	08181	09999	38150																		

REMARKS

Observation #1: Climb winds - 99991 10810 21505 32108 41810 51208 62110.
 Observation #2: Mixture of Ac and towering Ct.
 Observation #1: Climb winds - 99991 11220 21920 31520 40992 01420 11415 21310 31210 41410 51810 61900 70900 81810 91905 99995 09900.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC DBLTA _____

Date _____

1-2 May 1956

Leg	TO	FROM	Alt	Time	Wind	Temp	Pressure	Humidity	Clouds	Visibility	Remarks	Time	Alt	Time	Alt	Time	Alt	Time	Alt	Time	Alt
1	2014L	32122	6000L	01500	07000	10401	12000	13237	61705	81795	27500	22322	30008	51031							
2	2114L	32128	56055	01500	07000	10401	12000	13525	81895	86670	08181	22626	30006	51031							
3	2113L	32133	56795	01500	08000	10101	11000	11300	82095			22311	30008	51541	6007L						
4	2209L	32159	55156	09800	09005	10100	01111	11200	82070			21158	3102L	6007L							
5	2256L	32125	55296	09900	05-012	10100	01111	12030	82095	86670		21005	31003								
6	2338L	32106	55796	09900	06-018	06105	01111	15042	81565	82095	82040	21107	31003								
7	2358L	3208L	56056	09700	07-022	20950	01111	15122	81565	82095	82040	25151	30065								
8	0005L	42065	54690	16500	06-017	20100	00000	11899	80000			12170	30065								
9	0047L	42081	58996	16200	35-007	05208	61111	14251	91575	82056	37071	11200	08181								
10	0127L	42105	60796	16000	9-009	20910	41111	15203	81562	82095	82056	12350	30059								
11	0203L	4211L	62696	15900	35-006	20200	41111	15152	82058	82050	64050	12710	30055	60065							
12	0321L	42106	64796	16400	02-008	20200	41111	15122	82058	82056	82540	12370	30055								
13	0320L	42097	67156	16100	36-010	20200	21111	13546	82540	82056	27880		30054								
14	0351L	42088	69497	29800	26-022	20200	41111	13427	82540	82056	27880	25059	30050								
15	0428L	42115	69196	29800	25-044	20201	41111	12889	82076	20000	06082	27609	35147								
16	0452L	42138	68796	29700	26-050	20201	51111	13262	90080	30077	28080	27609	35147								
17	0529L	42162	68577	29700	27-040	10000	51111	12710	80070	86668		27604	35140								
18	0602L	42165	66397	29500	27-035	10100	51111	13325	82535	82550	28182	27604	35146								
19	0642L	42130	64597	29700	27-029	20100	41111	13407	82535	37275	28182	27604	35155								

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC ALPHA TWO

Date _____

2-3 May 1956

Gegei	YO	L L L L	L L L V X	O O O E H	hh d d	defff	mmmm	f c	O O O O	I	H H H H	ChHH	ChHH	ChHH	ChHH	ChHH	2 TT T d	3 J MM	B D F S D	W S V D	I L S S	7 H H H H	B d d S O	B d d S O
1	2130L	42119	60897	0000	10000	05010	20000	41111	15321	81550	81561	65056	08000	36972	08000	21052	33020							
2	22000	42120L	59297	09900	09900	09008	20000	41111	15511	81545	81557	36862	07800	36972	07800	20901	33021							
3	22280L	42131	57697	09900	09900	07008	20000	41111	14340L	81545	81558	36970	07800	36970	07800	21067	33023			65005				
4	22553	42137	56097	10000	10000	05010	20000	21111	14310L	81556	81560	36971	07800	36971	07800	21163	33022							
5	2310L	42142	54697	09800	09800	05008	10000	11111	15221	81556	81560	36863	07900	36970	07900	21050	33022							
6	23500	42148	52897	31000	31000	05008	10100	31111	14221	82050	82062	36061	08000	36970	08000	21099	35153							
7	00070	52129	54697	29900	29900	36011	20101	25111	15211	82050	82060	30000	08000	30000	08000	27699	35140			65500				
8	01050L	52110	56596	29700	29700	26028	20201	21111	18099	82046	82046	30000	08000	30000	08000	27679	35141							
9	01360	52090	57895	29800	29800	29028	20201	70000	14306	82056	82062	30001	08000	30000	08000	27600	35142							
10	02100L	52071	59590	29800	29800	21013	20201	90000	11899	30000	30000					27171	35142							
11	02450L	52052	61190	28600	28600	15011	20200	90000	11899	30000	30000					27275	35138			61700				
12	03200L	52053	62790L	29600	29600	22000L	20200	40000	13767	30000	30076	30000				27378	35133			61700				
13	03520L	52014L	64397	29617	29617	26017	20200	31111	13562	90001	30075	08000				27285	30133							
14	04320L	52038	63996	16000	16000	12010	20200	41111	15322	00050	90000	36500L	08000	36669	08000	25051	30000							
15	05000L	52064L	63490	16100	16100	99005	20200	90000	11899	30000	30000					25151	30000							
16	05450L	52090	62896	16000	16000	36016	20200	21111	14227	82066	36566	37073	08101	08101	08101	20156	30000L			61800				

REMARKS

Observation #1: Additional six-indicator group 61200.

Observation #2: Wet bulb broken.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC ALPHA THREE

Date _____

5 May 1966

0600	L ₀ L ₀ L ₀ h h h	L ₀ L ₀ L ₀ V h h h d d	d d i f f	m m m m	F ₀ Q ₀ O ₀ C N E S W	I ₀ N ₀ N ₀ N ₀ I ₀ N ₀ N ₀ N ₀	C h a r t	C h a r t	C h a r t	I ₀ N ₀ N ₀ N ₀ I ₀ N ₀ N ₀ N ₀	C h a r t	C h a r t	C h a r t	2 T ₀ T ₀ T ₀ d d d	3 J ₀₀ H ₀₀	5 0 F S D ₀ 6	M S M D ₀ 7	J ₀₀ S S ₀ 7	T ₀ H ₀₀ H ₀₀ H ₀₀	0 4 5 0 8	B ₀₀ 4 5 0 8
1	0135L	52108	60956	10400	1001C	10010	17771	13123	81565	82035	80081	20905	20905	51033							
2	0159L	52102	59206	10400	1001B	0510L	61111	15322	81570	82095	16758	20902	20902	51029							
3	0225L	52097	57996	10500	11015	09395	70000	15322	81565	81570	82550	20908	20908	51029							
4	0251L	52091	57994	10500	10015	02011	70000	13204	66535	10062	16AUX	20909	20909	51028		64000					
5	0317L	52095	54456	10700	09015	10010	21111	11222	82057	82540	30956	21065	21065	51028		64000					
6	0414L	52079	52996	10600	99008	20100	41111	15122	81568	82057	82540	21065	21065	51028							
7	0447L	52098	54456	10600	99008	20100	21911	13465	82540	47075	2010X	21065	21065	51000							
8	0508L	52118	56096	10600	99005	20100	41111	13418	82060	82530	2010X	25199	25199	51077							
9	0542L	52137	57957	10600	9900L	20200	21111	13227	82060	82530	2010X	25065	25065	51077			60085				
10	0624L	52156	59957	10600	20012	10200	31111	11222	82058	82530	82557	25066	25066	51076							
11	0704L	52175	60997	10600	20013	10100	31111	13211	82058	82550	10A05	25064	25064	51077							
12	0742L	52194	62996	10600	20016	20100	51111	15204	82058	82550	10A05	2507L	2507L	51077							
13	0815L	52212	64128	10600	21014	20200	50000	11700	X000K			2508C	2508C	51079							
14	0856L	52188	63688	10600	15006	X0200	X0000	1X990				25477	25477	51080							
15	0936L	52165	63288	10600	16015	X0000	X0000	1X990				2548L	2548L	51080							
16	1015L	52139	62888	10600	18015	X0201	X0000	1X990				2548L	2548L	51080							

REMARKS

Observation #15: Frequent lightning SW.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC ALPHA ONE

Date _____

4 May 1956

Seq	TO	FROM	Alt	Wind	Temp	Pressure	Humidity	Clouds	Visibility	Remarks	Time	Alt	Wind	Temp	Pressure	Humidity	Clouds	Visibility	Remarks	
1	0000L	62105	60966	10,000	12018	20000	21111	14211	82095	82097	82068	82068	11799	17000	21001	33012				
2	0050L	62097	59866	10,000	12019	20001	41111	14211	82046	82057	82062	82062	11799	17000	21005	33011				
3	0100L	62089	58996	10,000	12015	19001	61111	15215	82058	82065	82065	82065	12620	17000	20909	33011				
4	0115L	62080	58055	10,000	12011	20101	20000	15222	82058	82065	82065	82065	12279	17000	21107	33029				
5	0207L	62072	57195	10,000	12012	10000	40000	14226	82058	82058	82062	82062	11500	17000	21006	33029				
6	0211L	62065	56695	10,000	12008	10101	40000	14221	82050	82060	82064	82064	11500	17000	25099	33070				
7	0216L	62058	56196	10,000	12007	10101	41111	14221	82050	82060	82064	82064	11500	17000	25153	33068				
8	0220L	62105	56096	10,000	12010	20101	41111	15321	82050	82060	82064	82064	12299	17000	25209	33064				
9	0225L	62127	57296	10,000	21011	20001	41111	12870	82066	82065	82065	82065	12299	17000	25253	33067				
10	0230L	62119	58396	10,000	20011	20101	41111	13321	82050	82062	82062	82062	11500	17000	25366	33065				
11	0234L	62171	59796	10,000	17014	10100	41111	14311	82050	82065	82068	82068	11500	17000	25467	33065				
12	0238L	62192	61096	10,000	18007	10100	41111	18200	82050	82065	82068	82068	11500	17000	25467	33065				
13	0240L	62215	62566	10,000	35017	10100	41111	13322	82050	82062	82065	82065	11500	17000	25462	33068				
14	0242L	62189	62566	10,000	30002	10100	41111	13322	82050	82062	82065	82065	11500	17000	25462	33068				
15	0244L	62164	62398	10,000	24017	20100	40000	13990	82050	82062	82066	82066	11500	17000	25462	33068				
16	0246L	62138	62398	10,000	25045	20000	40000	13990	82050	82062	82066	82066	11500	17000	25462	33068				

REMARKS

Observation #15: At 0242L, posit 17°47'N 106°17'W one Ch 20 miles wide, 8 miles deep, internal discharge visible, building visible, tops 35,000 ft.

Observation #16: Very large Ch in 5-group 30 miles off.

AIRCRAFT WEATHER RECONNAISSANCE

Date 4-5 May 1956

FLIGHT _____
 ROC BRAVO _____

66001	YO	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL	LL			
1	22014	62123	61996	10400	11000	10100	11111	11111	13429	81535	35566	08282																											
2	22504	62130	61766	10601	11000	10100	11111	11111	13312	81545	35566	08282																											
3	22504	62138	68866	10501	15008	10100	21111	11111	13313	81545	35566	08282																											
4	22504	62147	68866	10601	17010	10100	21111	11111	13295	81550	35567	08282																											
5	23504	62155	69766	10601	19015	20100	21111	11111	12379	81550	35566																												
6	00154	72165	71366	10501	18010	20000	21111	11111	12379	81550	35566																												
7	00414	72169	72766	10501	99005	20000	21111	11111	-1327	81550	35566	08182																											
8	01074	72180	74366	10601	99005	20000	21111	11111	13337	81550	35566	08182																											
9	01314	72188	79577	16001	08010	10000	21111	11111	12290	81556	08182																												
10	00064	72202	73467	15801	24015	10100	21111	11111	13313	81558	37071	07880																											
11	00444	72213	71266	16201	22013	20100	21111	11111	13217	81545	14600																												
12	01204	72225	68844	15801	20008	20005	60000	70000	13328	81558	81560	14600																											
13	05554	72238	66744	16001	20010	20001	70000	70000	12940	81557	07880																												
14	04354	72249	64366	16001	26005	10000	11111	11111	13313	81550	81559	08181																											
15	05014	72260	62466	30501	34008	10100	11111	11111	13313	81550	81559	08181																											
16	05314	72275	68467	30501	04010	10100	11111	11111	11300	81545	81558																												
17	06024	72210	62467	30501	02012	10100	11111	11111	12210	81545	81558																												
18	06324	72195	62467	30501	31019	10100	11111	11111	11100	81545	81558																												
19	07034	72159	62467	30501	29019	10100	11111	11111	12210	81545	81558																												
20	07374	72134	62465	30601	24019	20101	60000	60000	13217	81545	81560	28000																											

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC CHARLES TMO _____

Date _____

6-7 May 1956

66991	YO	L	L	L	L	L	L	Y	V	Y	V	h	h	d	d	h	h	d	d	h	h	d	d	h	h	d	d	h	h	d	d	h	h	d	d		
1	2144	1309	61966	01500	04200	10101	21111	12250	81530	35062	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH
2	2213L	12073	61666	01500	05025	10101	11111	11100	09395																												
3	2253L	12096	61966	01500	05025	10101	11111	12210	09580	08395																											
4	2355L	12300	61066	01500	05015	01101	21111	15314	81545	35860	09395																										
5	2323L	12023	60766	01500	05010	09581	21131	13227	81558	69540	08395																										
6	0001L	25007	60967	01500	05006	10101	11114	11200	08395																												
7	0053L	27009	60266	01500	05010	10101	11111	12110	08131	28448																											
8	0135L	27026	59666	01500	05010	10101	11114	12220	81382	35860																											
9	0159L	27042	59755	01500	04010	20101	25000	12379	81558	35900																											
10	0200L	27058	59366	09900	99008	10101	11191	11500	36294																												
11	0203L	27057	61066	09900	99002	10101	11111	11000	80360																												
12	0257L	27054	62766	09900	99002	10101	11111	11200	80262																												
13	0317L	27053	64966	09900	99002	10101	11111	11000	80790																												
14	0345L	27051	66066	09900	99000	10101	11111	11500	80345																												
15	0412L	27049	67796	09900	99002	10101	31111	15212	82045	80062	35960																										
16	0440L	27048	69996	16000	54000	10100	31111	15221	82040	82062	35959																										
17	0515L	27025	68396	16000	17010	10100	11111	13113	82025	82065	08395																										
18	0550L	27002	67396	16000	19015	19100	54101	14212	82066	82069	36062																										
19	0627L	22022	66990	16100	18018	09395	90000	11999	30000																												
20	0705L	22016	65395	16100	16015	09395	50000	19000	30000																												
21	0742L	22068	64488	16000	13010	20201	20000	12089	36294	36000																											
22	0820L	22031	63298	16000	18010	10201	30000	10990	36294	36000																											

REMARKS

Observation #1: Climb winds 01502 to 01420; 20410 50410 40612 50514 60711 70711 80608 90710 99991 00510.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **Date** _____

ROC DELTA

10 May 1966

CC	10	L L L L	L L L L	V V V V	h h h h	e t d	adrr	WAVE	C N E S W	K M N M S	C N H H	C N H H	C N H H	C N H H	2 T T	3 J H H	B D F S D	M S W D	I L S S	T H N H M I	B d d S O	B W W c I	
1	0804	52126	64296	09800	09800	06095	10100	11191	12430	82028	08282	21151	21151	21151	53027	50084							
2	0815L	52124	66096	09800	09800	50007	10101	11191	12520	82060	08282	21290	21290	21290	53026	61583							
3	0826L	52113	67956	09800	09800	90032	20100	21115	12559	82057	20102	21151	21151	21151	53029								
4	0834L	52151	69066	09800	09800	90032	10200	11144	13212	82040	08061	21051	21051	21051	53030								
5	0851L	52126	69096	09800	09800	06010	20301	21111	13517	82559	20299	21105	21105	21105	53030								
6	0815L	52109	69096	09800	09800	07018	20300	11111	13257	82557	36102	21007	21007	21007	53031								
7	0844L	52093	69055	09900	09900	08012	61611	20000	12189	82577	36102	20908	20908	20908	53031								
8	0715L	52076	69018	09800	09800	11018	20530	20000	13258	82540	36263	21007	21007	21007	53032								
9	0758L	52088	66018	09800	09800	16010	8505L	60000	13327	82056	82063	21007	21007	21007	53032								
10	0815L	52097	65218	09800	09800	16008	20301	20000	12909	82002	47002	20908	20908	20908	53034								
11	0845L	52105	65188	09800	09800	09010	10810	10000	12440	82056	36365	21004	21004	21004	53035								
12	0810L	52114	65218	16000	16000	28005	10100	10000	12510	82050	08282	25078	25078	25078	53079								

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

AOC DELTA ONE

Date

12-13 May 1956

60001	YO	L L L L	L L L L	V V	h h	d d	d d	W W	M M	C C	U U	V V	H H	K K	N N	P P	Q Q	R R	S S	T T	U U	V V	W W	X X	Y Y	Z Z
1	2027L	70097	6214L	01500	08005	07015	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
2	2105L	70080	6184L	01500	07015	07015	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
3	2133L	70065	6155S	01500	07016	08077	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
4	2213L	70040	61090	01500	08077	08077	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
5	2248L	70045	60795	01500	11016	11016	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
6	2324L	70051	60455	01500	11012	20811	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
7	2359L	70057	60795	01500	10012	10012	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
8	0044L	12065	60895	10600	08006	23201	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
9	0110L	12075	60695	10600	09012	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
10	0134L	12087	60695	10600	09012	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
11	0200L	12097	60995	10700	09011	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
12	0227L	12107	61095	10900	11017	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
13	0254L	12118	61095	10700	09007	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
14	0318L	12128	60555	10700	09005	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
15	0444L	12140	59866	10700	09005	20200	21111	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
16	0415L	12150	59866	10700	09005	20200	21111	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
17	0444L	12160	56655	10900	09005	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
18	0514L	12167	58955	10900	11014	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
19	0534L	12172	59895	10800	11014	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
20	0609L	12178	61566	10800	09010	10101	31111	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
21	0651L	12185	61066	10700	01095	10100	11111	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
22	0718L	12162	61596	10700	01092	10100	11111	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100	10100
23	0746L	12157	60895	10700	01021	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000

REMARKS

Observation #1: Climb winds - 21015 31015 31015 60916 70010 80910 90807 99991 99905.

Observation #2: Climb winds - 99991 20910 30910 40809 50540 60995 70110 89908 90106 99995 00912 10115 20016 30016

09990 50920 60430 70930 80433 90432 99999 00950.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC ALPHA _____

Date _____

13-14 May 1976

06001	Y O	L L L L	L L L V M	O O Q E M	h h h d d d	g d r r r	w a m h s	f c	Q Q Q Q	I K N M S	C h m h	C h m h	C h m h	C h m h	2 T T d	3 J M H	6 W S W D	7 I S S	8 d d S O	8	8	8	8
1	2135A	12130	62796	09800	0708L	10100	31111	12530	81955	08181	81955	08181	81955	08181	2139	51029							
2	2205A	12146	62996	09800	08070	10100	31111	15311	81955	81956	81955	81956	81955	08181	20901	51027				60930			81225
3	2253A	12163	63296	09800	08015	10100	31171	14221	81955	81956	81955	81956	81955	08181	20905	51026				81899			81225
4	2328A	12179	63596	09800	08022	10101	31111	15221	81955	81956	81955	81956	81955	08181	20708	51028				81190			80025
5	2358A	12195	63996	09800	08020	10100	31111	11500	81956		81956		81956		20752	51031							
6	0008A	22211	64296	09800	09020	10100	31353	11500	81956		81956		81956		20953	51034							
7	0059A	22193	64736	09800	05020	10100	31111	11500	81956	81962	81956	81962	81956	08181	20965	51032							81232
8	0120A	22182	61696	09800	07020	1010L	31171	13411	81956	81960	81956	81960	81956	08181	20805	51030							81232
9	0128A	22169	60596	09700	07010	10100	31111	13412	81956	81961	81956	81961	81956	08181	21064	51025							81232
10	0155A	22156	53496	09700	09018	1010L	31111	13213	81958	81961	81958	81961	81958	08181	20806	51025							81232
11	0220A	22143	58396	09800	08011	10100	21111	13215	81955	81959	81955	81959	81955	08181	21001	51022							81232
12	0247A	22131	57296	09800	09017	10100	21111	13333	81955	81959	81955	81959	81955	08181	21151	51018							81232
13	0314A	22118	56195	09700	08025	20100	30000	12989	81950	81950	81950	81950	81950	08181	21156	51019							81232
14	0340A	22105	55095	09800	99009	20200	20000	13318	81950	81959	81950	81959	81950	08181	21366	51015							81232
15	0411A	22092	53994	09800	16006	40000	20000	14428	81950	81960	81950	81960	81950	08181	21007	51016							81232
16	0440A	22080	52894	09800	10012	68000	20000	14311	81950	81960	81950	81960	81950	08181	21206	51016				64500			81232
17	0512A	22065	51794	09800	07010	2060L	21991	14311	81950	81960	81950	81960	81950	08181	21206	51016				64500			81232
18	0545A	22051	50695	09800	09014	8920L	60000	15938	81959	81962	81959	81962	81959	08181	20909	51016				64500			81232
19	0610A	22037	49595	09900	10012	20950	21111	13318	81959	81962	81959	81962	81959	08181	21106	51018							81232
20	0640A	22102	59296	09800	07006	10000	2114L	13316	81960	81961	81960	81961	81960	08181	21106	51018							81232
21	0710A	22138	63096	09900	07006	20000	21111	13317	81950	81961	81950	81961	81950	08181	21007	51019							81232

REMARKS

FLIGHT _____ Date _____ 14-15 Mar 1956

AIRCRAFT WEATHER RECONNAISSANCE

DOC: BRNO

66001	VO	L L L L L L	L L L V V X	h h h	q t s	d e r r r	r c n e s w y	I K N N N Z S	ChHH	ChHH	ChHH	I K N N N Z S	ChHH	ChHH	ChHH	2 T T T d	3 J H H H	5 0 F S D 6	W S M D 7	I K S S	7 H H H H	B d d S O B	H o c c l		
1	2135L	20077	62795	09800	09800	11005	01031	60000	13354	60057	80085	60364	60564	60564	20909	31025		64500	64500	60000			8502L	81505	
2	2034L	20081	62990	09801	09801	19012	60405	90000	11899	80000					20909	31020		64500	60000				8994L	86998	
3	2035L	20065	63096	09801	09801	19011	20810	31119	16123	91575	80050	80060	80060	80060	21007	31020		64500	60000						
4	2059L	20048	63056	09801	09801	19016	10200	31111	15821	80065	80060	80069	80069	80069	21009	31020		60000							
5	2127L	20032	63056	09801	09801	10008	10100	31111	13322	80050	80058	80181	80181	80181	21357	31021		60000							
6	2156L	20015	64157	09801	09801	12013	20100	21111	13470	80040	80082				21351	31019		60000							
7	0024L	37001	64157	09901	09901	11015	20200	21191	13317	80040	80056	80282	80282	80282	21367	31018									
8	0054L	37018	64157	09901	09901	13016	10200	31191	13305	80040	80040	80282	80282	80282	21367	31018									
9	0128L	37054	64157	09801	09801	09010	10100	31199	12320	80040	80058				21366	31018									
10	0151L	37083	66807	09801	09801	10010	10100	11111	11200	80040					21355	31016									
11	0174L	37012	67567	09801	09801	06007	10100	11111	13212	80040	80056	36870	36870	36870	21366	31015									
12	0204L	37002	68706	09801	09801	06015	20100	51111	13234	81967	80050	65959	65959	65959	21311	31012									
14	0184L	32010	70096	09701	09701	09014	20200	41111	11323	61525	80040	69950	69950	69950	21508	31011									
14	0145L	32021	71156	09701	09701	06011	20200	21111	14312	80055	80058	46061	46061	46061	21211	31011									
15	0435L	32032	72736	09501	09501	05016	20200	49111	13447	80040	46059	80181	80181	80181	21508	31011		64400					89621	83745	
16	0444L	32043	74294	09701	09701	07015	60401	80000	14343	81568	82540	45861	45861	45861	21111	31012		64300							
17	0444L	32053	75357	09801	09801	07022	20200	41111	15221	80055	80057	46959	46959	46959	21107	31014		64300							
18	0500L	32044	76997	16101	09005	09005	10200	31111	13231	81565	80025	80256	80256	80256	20199	31005									
19	06170	32075	74297	16001	35010	20201	20201	51111	19800	40000					20299	31028									
20	0650L	32080	71806	16001	25010	20200	31191	14429	80055	80056	80062	80062	80062	80062	20257	31001									
21	0727L	32089	69488	16001	20015	10200	20000	20000	13316	80055	80056	20081	20081	20081	25159	31028									
22	0804L	32097	67188	15701	22027	30100	30000	30000	10999						25154	31001									
23	0805L	32106	64788	16001	31005	30100	30000	30000	10999																

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **Date** 15 May 1956

KCC DELTA

EGGPI	YO	L L L L	O O O O	E E E E	V V V V	h h h h	d d d d	d d d d	W W W W	T T T T	C C C C	C C C C	C C C C	C C C C	W W W W	W W W W	W W W W	W W W W	W W W W	W W W W
1	00594	20114	04966	09000	09019	20200	21111	15111	81866	81957	81950	81957	81960	81960	50566	50566	50566	50566	50566	50566
2	01276	20114	66695	09000	09015	20000	20010	12189	81866	81957	81950	81957	81960	81960	50566	50566	50566	50566	50566	50566

REMARKS

Observation #1: Surface wind 1119.
 Observation #2: Surface wind 111.
 Mission aborted.

FLIGHT

ROC ALPBA

Date 15-16 May 1976

AIRCRAFT WEATHER RECONNAISSANCE

66ggi	YO	L L L L L	L L L V X	h h h	d d	g d f f f	h h h	f c	Q Q Q Q Q	I	H H H H H	3	J	M M M	S D F S D	W S W D	7	I I S S	7	H H H H H	8	8	8
1	2054L	57159	69556	0900	16008	20201	21111	12899	01999	56668									21105	35052			
2	2101L	32145	69556	0900	17000	20201	21111	13148	01520	56272									20905	35055			
3	2120L	32161	64196	0900	17010	61611	41111	12669	61546	56403						66600			21105	35056			
4	2154L	32177	64757	0900	18013	10610	21111	13442	02040	56668						66600			21004	35059			
5	2203L	32192	65357	0900	17012	10100	11111	11200	02095										21054	35058			
6	2255L	32208	69967	0900	17050	10100	51111	12550	02040	56668									20899	36155			
7	2334L	32191	67767	0900	20090	10100	11111	11200	02040										27799	36157			
8	00100	42175	61867	29000	26090	10100	11111	12810	02095	56668									27785	36159			
9	0047L	42158	59897	29000	27034	20100	31111	14512	02056	05775									27785	36145			
10	0125L	42142	57997	29000	27020	20200	41111	14511	02095	00662									27585	36150			
11	0201L	42125	57997	29000	28014	20200	41111	15478	03056	56566									27579	36151			
12	0245L	42139	50297	29000	27035	20200	41999	15697	60030	37072									27676	36155			
13	0544L	42096	53427	29000	13017	20200	71111	15257	30068	90081									25050	36152			
14	0537L	42101	50990	15100	99002	81101	90000	11999	51000										25050	36070			
15	0617L	42125	57625	15000	20200	20200	80000	19099	60090	36000									25151	36064			
16	0653L	42110	57990	01500	20205	20200	90000	11999	51000										25151	36067			

REMARKS

Observation #1: As bank base 15,000, tops 30,000 ft.

Observation #3: Cu thin.

Observation #5: Ac and As in multiple layers.

AIRCRAFT WEATHER RECONNAISSANCE

Date 15-16 May 1956

ROZ BRAVO

FLIGHT

0000	10 L L L a	L L L V a	L L L V a	L L L V a	h h d t	d e f r r	w s w d	f c	Q Q Q Q	K K K K	K K K K	C N N H	C N N H	C N N H	C N N H	C N N H	2 T T J d	3 J M H	5 D F S D	W S W D	7 I L S S	7 H H H H	B d d S O B	M a c I	
1	2137L	3208	6594L	0150	1081	0602	1081	6000	1325	61416	81560	36061	6000	1325	61416	81560	36061	2523	3009	51431					
2	2204L	3208	6594L	0150	0602	1081	1081	2000	1222	61416	81558	65035	2000	1222	61416	81558	65035	2523	3009	51431					
3	2231L	3206	6155	0150	0601	1010	1010	1000	1323	61625	81557	19181	1000	1323	61625	81557	19181	2523	3009	52212					
4	2302L	3205	6189L	0150	0601	1011	1011	6000	1199	6153X			6000	1199	6153X			22423	3008	5222					
5	2331L	3205	6590L	0150	0608	8181	8181	9000	1199	6000			9000	1199	6000			22423	3008	5222					
6	0009L	42019	6590L	0150	1301	2011	2011	6000	1323	61320	36061	29181	6000	1323	61320	36061	29181	22422	3008	52119					
7	0034L	4200L	6635	0150	1201	1010	1010	2000	1230	61520	8181		2000	1230	61520	8181		2523	3007	53119					
8	0109L	47012	6695	0150	1306	1010	1010	1000	1327	81561	45959	09181	1000	1327	81561	45959	09181	21860	3203						
9	0131L	47008	6755	1080	0708	1010	1010	1000	1327	81561	45959	09181	1000	1327	81561	45959	09181	21157	3203						
10	0154L	47005	6995	1090	1108	2020	2020	4000	1327	81561	45959	09181	4000	1327	81561	45959	09181	21158	3203						
11	0221L	47021	6266	1080	1109	2020	2020	1111	1270	62090	8181		1111	1270	62090	8181		21161	3203						
12	0247L	47018	6266	1080	1106	2020	2020	2119	1270	62090	8181		2119	1270	62090	8181		21161	3203						
13	0309L	47015	6066	1080	1504	2020	2020	2111	1327	62090	8181		2111	1327	62090	8181		21159	3203						
14	0337L	47013	5966	1080	1307	2020	2020	5000	1199	8000			5000	1199	8000			2008	3209				89999	89958	
15	0409L	47010	5779L	1120	1201	8181	8181	5000	1199	8153X			5000	1199	8153X			2007	3209				80918	80448	
16	0429L	47007	5619	1110	1201	8181	8181	5000	1199	8153X			5000	1199	8153X			21007	3207				85908	81248	
17	0451L	4700L	5445	1090	1102	2081	2081	5000	1199	8000			5000	1199	8000			2535	3807L						
18	0516L	47001	5290	1610	1102	8181	8181	9000	1315	61525	81570	08181	9000	1315	61525	81570	08181	2535	3807						
19	0553L	42018	5446	1640	1502	1010	1010	6111	1323	81540	81570	08181	6111	1323	81540	81570	08181	20167	3807						
20	0631L	42017	5595	1620	1609	8181	8181	6000	1323	81540	81570	08181	6000	1323	81540	81570	08181	20095	3807						
21	0709L	42056	5756	1600	2011	1010	1010	1111	1321	81440	81570	08181	1111	1321	81440	81570	08181	25076	3807						
22	0743L	42076	5919	1620	2401	1010	1010	3111	1424	61530	81575	36069	3111	1424	61530	81575	36069	25076	3807						
23	0816L	42095	6088	1620	2902	8181	8181	9000	1199	8000			9000	1199	8000			25052	3807L						

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **Date** 16-17 May 1956

DOC BRUVO

66gpl Y0	L.L.L. h h h	L.L.L.V.V. o o o	h h h d d d	a a a t t t	g g g f f f	w w w s s s	f f f c c c	q q q u u u	s s s w w w	i i i n n n	n n n o o o	s s s t t t	3 3 3 j j j	5 5 5 d d d	6 6 6 w w w	7 7 7 i i i	8 8 8 s s s	9 9 9 a a a	0 0 0 c c c
1	2095L	42125	61655	09800	08015	20821	60000	19800	80000	80000			21008	31091				8990L	8170L
2	2104L	42135	62790	09800	08015	64201	90000	11099	80000	80000			21212	31091	64500				
3	2134L	42146	69566	09800	09006	10640	21111	15126	82045	65053	08181		21161	31089	54500				
4	2202L	42157	67666	09800	08011	10100	21111	15116	82096	45095	08182		21002	31029					
5	2235L	42168	69966	09800	08018	20100	41155	15627	82099	45099	08182		20806	31028					
6	2504L	42178	70666	09800	08025	20200	41111	12659	82097	28000			21264	31090	65400				
7	2534L	42189	71666	09800	08025	20200	21111	11100	82045	27800			21166	31093					
8	0009L	52000	72966	09800	08019	10100	11111	11100	82045				21158	31093					
9	0010L	52010	71566	"0000	08018	10100	31111	10510	69536	29080			20359	31076					
10	0106L	52019	71866	"0000	08018	10100	31111	11700	40063				20365	31077					
11	0113L	52027	69296	16000	11018	20100	11111	15221	62050	45059	46768		20362	31078					
12	0216L	52036	66996	"0000	15015	10200	11111	12550	82045	36070			20356	31077					
13	0269L	52045	64866	16000	15019	10100	11111	12550	82045	36070			20691	35125					
14	0528L	52055	61860	16000	17015	20100	21515	15118	80760	59510	30000		20356	31077					
15	0564L	52061	59566	30700	16020	10200	11111	13321	82050	45059	47172		20691	35120					
16	0453L	52076	63066	30700	24022	10100	11111	12510	82050	07677			20691	35120					
17	0504L	52082	60966	30800	26040	10100	31041	15221	82050	82072	45050		20397	35133					
18	0595L	52187	60095	30800	26042	20100	40000	15357	82058	82069	08182		20085	35145					
19	0600L	52165	61166	31000	25041	20200	21111	15357	82056	45059	18181		20077	35139					
20	0642L	52138	61790	31000	25050	20200	90000	11899	20000				20161	35147					

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

Date 16-17 May 1976

ROC ALPHA

FLIGHT

CGRPT	YO	L L L	L L L	L L L	V V V	h h h	a d d	g d f f f	W A S E	W A S E	I	K M N P Q	C h h h	C h h h	C h h h	I	K M N P Q	C h h h	C h h h	2 T T	3 J M H	B O F S D	W S W D	7 I L S S	7 T T M M	B O F S D	8	8 8 8 8
1	2154L	42099	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	61905	28422	30010	52431						
2	2208L	42095	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	61194	28545	30010	53449						
3	2259L	42071	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	28132	30010	52435				64600		
4	2310L	42056	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	28528	30000	57922						
5	2348L	42042	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	61266	28645	30009	57829						
6	0009L	52027	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	61666	20852	30070							
7	0045L	52040	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	61366	20895	30068							
8	0134L	52062	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	61196	20512	30067							
9	0205L	52065	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	20854	30068							
10	0243L	52077	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	60966	20852	30068							
11	0321L	52088	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	60666	20853	30067				64600			
12	0400L	52108	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	60400	20851	30065					64600		
13	0450L	52115	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	20854	30118							
14	0507L	52114	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	20854	30113					64600		
15	0543L	52114	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	20870	30112					64600		
16	0619L	52114	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	60200	20875	30114					60095		

REMARKS

Observation #5: Climb winds 2516Z - 3996Z 4999Z 5095Z 6055Z 7050Z 8060Z 9069Z 9991Z 8095Z 10910 20612 30715 40715 50710 60610.

Observation #13: 400 mb height 28,760; climbed through precip 100 miles back.

Observation #14: 400 mb height 28,680.

Observation #15: 400 mb height 28,670.

Observation #16: 400 mb height 28,690.

AIRCRAFT WEATHER RECONNAISSANCE

Date 17-18 May 1956

FLIGHT ROC BRAVO TWO

	YO	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L																								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22														23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40											
52123	52151	52159	52167	52155	52163	52170	52180	52198	52200	52210	52220	52230	52240	52250	52260	52270	52280	52290	52300	52310	52320	52330	52340	52350	52360	52370	52380	52390	52400	52410	52420	52430	52440	52450	52460	52470	52480	52490	52500	52510	52520	52530	52540	52550	52560	52570	52580	52590	52600	52610	52620	52630	52640	52650	52660	52670	52680	52690	52700				
60990	59666	57996	56533	55066	53566	51967	50467	48967	47467	45967	44467	42967	41467	39967	38467	36967	35467	33967	32467	30967	29467	27967	26467	24967	23467	21967	20467	18967	17467	15967	14467	12967	11467	10000	90000	80000	70000	60000	50000	40000	30000	20000	10000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000

REMARKS

Observation #1: Multi layers above.
 Observation #9: 600 mb height 24,734.
 Observation #10: 600 mb height 24,734.
 Observation #11: 600 mb height 24,704.
 Observation #12: 600 mb height 24,674.
 Observation #13: 600 mb height 24,634.
 Observation #14: 600 mb height 24,594.
 Observation #15: 600 mb height 24,564.
 Observation #16: Percent winds 99991 01110 11110 21110 31112 41112 51105 61005 79900 89900 99900 09900 19903 29903 31108 41180.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC DELTA _____

Date _____

20 May 1956

6661	Y0	L _a	L _b	L _c	L _d	L _e	L _f	L _g	L _h	L _i	L _j	L _k	L _l	L _m	L _n	L _o	L _p	L _q	L _r	L _s	L _t	L _u	L _v	L _w	L _x	L _y	L _z
1	0534	12126	6454	09801	08012	10201	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114
2	0624	12135	6606	09800	09015	20201	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114
3	0634	12144	6756	09900	08018	10100	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111
4	0644	12151	6906	09900	07027	10100	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111
5	0654	12156	6906	09800	10028	10101	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111	11111
6	0704	12160	6906	09701	08017	20201	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114	25114
7	0714	12095	6906	09812	07010	10200	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114	14114
8	0724	12076	6908	09812	10015	10101	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000
9	0734	12086	6758	09812	10016	81811	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
10	0824	12095	6608	09812	11012	20811	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
11	0854	12101	6468	09812	10008	64621	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
12	0904	12116	6268	19901	21015	20200	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
13	1024	12126	6268	19901	26012	10200	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
14	1058	12139	6688	19813	15014	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
15	1154	12151	6908	19713	08022	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
16	1214	12126	6908	19713	09030	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
17	1254	12101	6908	19815	16010	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000
18	1324	12076	6908	19815	26015	10100	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000	20000
19	1414	12089	6678	19713	27015	10201	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000	60000
20	1444	12101	6468	19815	19025	20201	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000	80000

REMARKS

Observation #10: Moon dimly visible.
 Observation #11: Moon dimly visible.
 Observation #12: Wind by radar wind van.
 Observation #20: As is thin, Light SW, Elms fire in clouds.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROE ALPHA _____

Date _____

21-22 May 1976

00001	Y0	L L L L	L L L L V V	h h h d L a	deffr	W S W D	Q Q Q Q	I I I I I I	C h h h	C h h h	C h h h	C h h h	C h h h	C h h h	2 T T T	3 J H H	5 0 F S D	6 W S W D	7 I I S S	8 d d S O	9 W e e e
1	2030L	22105	61156	09000	09013	10100	21111	13225	08181	81599	82095	82095	08181	08181	21106	33097					
2	2099L	22097	59456	09000	10012	10100	21111	14211	81568	81958	81958	81958	08181	08181	21106	33096					
3	2128L	22089	57956	09000	11008	20101	21111	15211	81565	82040	82040	82040	08181	08181	21106	33085		6008L		82738	81545
4	2153L	22080	56956	09000	11008	10850	21111	16122	81565	81958	81958	82040	08181	08181	21008	33096					
5	2218L	22072	55066	09000	99000	10100	11111	12210	82040	82040	82040	82040	08181	08181	21206	33097		60096 60089			
6	2244L	22065	53667	16100	17015	10100	11111	13112	81567	81956	82040	82040	08288	08288	25254	38079					
7	2318L	22065	54067	16100	22015	10100	29911	13115	81570	82040	82040	82040	08288	08288	25252	38080				80619	82526
8	2354L	22106	56197	16000	22010	09051	69911	16122	91580	81966	82050	82050	08181	08181	25252	38082					
9	0091L	32128	57457	16000	27010	10850	39111	13413	82040	82040	82040	82040	08181	08181	25157	38084					
10	0107L	32149	57990	16100	10010	20201	90000	11899	30000	30000	30000	30000	08082	08082	25162	35186					
11	0141L	32170	59897	16100	16012	20200	11919	15321	82050	82060	82060	82060	08082	08082	27082	38084					
12	0219L	32192	61197	16000	18005	10200	41111	15113	81570	81978	82040	82040	08082	08082	27082	38084					
13	0250L	32214	62456	29000	27018	10100	41111	16112	82040	82058	82058	82058	08082	08082	27082	38084					
14	0284L	32189	62667	29700	24012	10100	21119	16111	81570	82062	82050	82050	08082	08082	27082	38084		6008L			
15	0358L	32164	62667	29000	25008	10100	21191	13395	82050	82062	82050	82050	08082	08082	27082	35189					
16	0430L	32139	62667	29700	25010	20100	69111	16322	91581	82060	82060	82060	08082	08082	27082	35189				8154L	81948

REMARKS

Observation #16. Very Ch in line, occasional tops to 10,000 feet.

AIRCRAFT WEATHER RECONNAISSANCE

Date 26-25 May 1956

ROD BRAYD

FLIGHT

Table with columns: Gggtt, YQ, L L L L, L L L V W, hhh, d, a, adfff, weMdB, f, Q, O, Q, O, f, c, Q, O, S, W, I, K, V, N, N, I, n, 1, 2, 3, Chhhh, Chhhh, Chhhh, 2 T T, T, d, 3 J, MH, 5 D F S D, 6 M S M, 0, 7 I J S S, 7 h h h, h, h, 8 d d S D, 9 W A C I, 8 e e e e.

REMARKS

Observation #5: Heights unreliable due fluctuating voltage source.
Observation #8: Climb winds 99991 20910 30508 44009 50510 60510.
Observation #11: Climb winds 99991 12110 20209 32210 42210 52211 62212 12415 22418 32419 42420 52421.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ICC ALPHA

Date _____

28-03 May 1956

06001	VO L L L	L L L V V	h h h	d d	d d f f f	m m m	f f	Q Q Q Q	M M M M	I I I I	J J J J	K K K K	L L L L	M M M M	N N N N	O O O O	P P P P	Q Q Q Q	R R R R	S S S S	T T T T	U U U U	V V V V	W W W W	X X X X	Y Y Y Y	Z Z Z Z																	
1	2707L	3009	6025	0150	08010	10100	6000	13211	81540	81558	08181												2528	30010	51331																			
2	2804L	3209	6155	0150	10013	10100	10000	12810	81545	81557													2928	30009	51331																			
3	2959L	33070	6499	01600	08010	09181	70000	13127	81258	81266	35861												20323	30009	51334																			
4	2704L	31055	6291	01500	10009	09181	80000	11999	81100														20323	30009																				
5	2734L	32041	6667	01500	12010	10110	20000	13118	81110	61040	61000												25054	30010																				
6	0098L	42027	6906	16000	09010	09201	41111	11485	80000	66090	35860												25054	30010																				
7	0071L	42091	6769	16000	09010	09201	90000	11999	30000	35860																																		
8	0116L	42076	6766	16000	36008	20201	70000	11286	81528	17075	36669																																	
9	0192L	42101	6767	16000	35009	20200	21119	13168	81556	81565	08081																																	
10	0294L	42126	6767	16000	99002	20201	21111	13228	81550	82068	16800																																	
11	0311L	42151	6767	16100	99002	10200	31111	13321	82045	82063	08181																																	
12	0404L	42176	6767	16000	34005	10100	11111	13211	82045	82075	08181																																	
13	0428L	42200	6767	26200	32013	10100	31111	11295	82090	82061	36671																																	
14	0502L	42178	6657	29800	29008	10100	21111	13215	82045	82061	07880																																	
15	0612L	42157	6497	19000	35006	10100	31111	13321	82045	66657	08080																																	
16	0628L	42135	6667	16200	99002	10100	11111	13121	82096	82068	08080																																	

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ Date _____

ROC CHARLIE _____

25-26 May 1956

0000	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
0600	0610	0620	0630	0640	0650	0700	0710	0720	0730	0740	0750	0800	0810	0820	0830	0840	0850	0900	0910	0920	0930	0940	0950	1000	1010	1020	1030	1040	1050	1100	1110	1120	1130	1140	1150	1200	1210	1220	1230	1240	1250	1300	1310	1320	1330	1340	1350	1400	1410	1420	1430	1440	1450	1500	1510	1520	1530	1540	1550	1600	1610	1620	1630	1640	1650	1700	1710	1720	1730	1740	1750	1800	1810	1820	1830	1840	1850	1900	1910	1920	1930	1940	1950	2000	2010	2020	2030	2040	2050	2100	2110	2120	2130	2140	2150	2200	2210	2220	2230	2240	2250	2300	2310	2320	2330	2340	2350	2400	2410	2420	2430	2440	2450	2500	2510	2520	2530	2540	2550	2600	2610	2620	2630	2640	2650	2700	2710	2720	2730	2740	2750	2800	2810	2820	2830	2840	2850	2900	2910	2920	2930	2940	2950	3000	3010	3020	3030	3040	3050	3100	3110	3120	3130	3140	3150	3200	3210	3220	3230	3240	3250	3300	3310	3320	3330	3340	3350	3400	3410	3420	3430	3440	3450	3500	3510	3520	3530	3540	3550	3600	3610	3620	3630	3640	3650	3700	3710	3720	3730	3740	3750	3800	3810	3820	3830	3840	3850	3900	3910	3920	3930	3940	3950	4000	4010	4020	4030	4040	4050	4100	4110	4120	4130	4140	4150	4200	4210	4220	4230	4240	4250	4300	4310	4320	4330	4340	4350	4400	4410	4420	4430	4440	4450	4500	4510	4520	4530	4540	4550	4600	4610	4620	4630	4640	4650	4700	4710	4720	4730	4740	4750	4800	4810	4820	4830	4840	4850	4900	4910	4920	4930	4940	4950	5000	5010	5020	5030	5040	5050	5100	5110	5120	5130	5140	5150	5200	5210	5220	5230	5240	5250	5300	5310	5320	5330	5340	5350	5400	5410	5420	5430	5440	5450	5500	5510	5520	5530	5540	5550	5600	5610	5620	5630	5640	5650	5700	5710	5720	5730	5740	5750	5800	5810	5820	5830	5840	5850	5900	5910	5920	5930	5940	5950	6000	6010	6020	6030	6040	6050	6100	6110	6120	6130	6140	6150	6200	6210	6220	6230	6240	6250	6300	6310	6320	6330	6340	6350	6400	6410	6420	6430	6440	6450	6500	6510	6520	6530	6540	6550	6600	6610	6620	6630	6640	6650	6700	6710	6720	6730	6740	6750	6800	6810	6820	6830	6840	6850	6900	6910	6920	6930	6940	6950	7000	7010	7020	7030	7040	7050	7100	7110	7120	7130	7140	7150	7200	7210	7220	7230	7240	7250	7300	7310	7320	7330	7340	7350	7400	7410	7420	7430	7440	7450	7500	7510	7520	7530	7540	7550	7600	7610	7620	7630	7640	7650	7700	7710	7720	7730	7740	7750	7800	7810	7820	7830	7840	7850	7900	7910	7920	7930	7940	7950	8000	8010	8020	8030	8040	8050	8100	8110	8120	8130	8140	8150	8200	8210	8220	8230	8240	8250	8300	8310	8320	8330	8340	8350	8400	8410	8420	8430	8440	8450	8500	8510	8520	8530	8540	8550	8600	8610	8620	8630	8640	8650	8700	8710	8720	8730	8740	8750	8800	8810	8820	8830	8840	8850	8900	8910	8920	8930	8940	8950	9000	9010	9020	9030	9040	9050	9100	9110	9120	9130	9140	9150	9200	9210	9220	9230	9240	9250	9300	9310	9320	9330	9340	9350	9400	9410	9420	9430	9440	9450	9500	9510	9520	9530	9540	9550	9600	9610	9620	9630	9640	9650	9700	9710	9720	9730	9740	9750	9800	9810	9820	9830	9840	9850	9900	9910	9920	9930	9940	9950	1000

REMARKS

Observation #11, 100 mb height, 24, 750.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **ROC BRAVO** _____ **Date** 24-05 May 1976

Altitude 6000 1	Altitude 5000 2	Altitude 4000 3	Altitude 3000 4	Altitude 2000 5	Altitude 1000 6	Altitude Surface 7	Altitude Surface 8	Altitude Surface 9	Altitude Surface 10	Altitude Surface 11	Altitude Surface 12	Altitude Surface 13	Altitude Surface 14	Altitude Surface 15	Altitude Surface 16	Altitude Surface 17	Altitude Surface 18	Altitude Surface 19	Altitude Surface 20	Altitude Surface 21	Altitude Surface 22	Altitude Surface 23	Altitude Surface 24	Altitude Surface 25	Altitude Surface 26
1	2093L	5209E	6066E	01500	0901L	20201	21119	12179	81535	5650X															
2	2102L	5208E	6186E	01500	1001L	20201	21111	12189	81535	4700X															
3	2153L	5205E	6156E	01500	0801E	20201	21111	13067	81535	3700X															
4	2203L	5203E	6126E	01500	0601E	20201	21111	14216	81535	2700X															
5	2251L	5203E	6096E	01500	0401E	20201	21111	15212	81705	1656E															
6	2300L	5201E	6066E	01500	0201E	20201	21111	16210	81735	6656E															
7	2353L	5702E	6036E	01500	1201E	20201	21111	12310	81735	5656E															
8	0002L	6701E	6006E	01500	1001E	20201	21111	12310	81735	8177E															
9	0031L	6703L	5986E	01500	1001E	20201	21111	14211	81735	8175E															
10	0058L	6702E	6186E	01500	1200E	20201	21111	11200	81735																
11	0153L	6702E	6286E	01500	0901E	20201	21111	11200	81735																
12	0201L	6701E	6346E	01500	0801E	20201	21111	11620	81760																
13	0231L	6701E	6606E	01500	0701E	20201	21111	12310	81750	81769															
14	0307L	6700E	6756E	01500	0601E	20201	21111	13213	81750	8175E															
15	0341L	6700E	6916E	01500	0601E	20201	21111	13211	81750	8175E															
16	0414L	6800E	7076E	01500	0601E	20201	21111	12310	81750	0818E															
17	0447L	6801E	7286E	01500	0601E	20201	21111	13212	81735	81760															
18	0513L	6801E	7586E	01500	0601E	20201	21111	13212	81735	8177E															
19	0534L	6802E	7856E	10500	0900E	20201	21111	13223	81735	8176E															
20	0600L	6802E	8196E	10500	0900E	20201	21111	13223	81735	8177E															
21	0626L	6803E	8496E	10500	0801E	20201	21111	14220	81758	81770															
22	0651L	6804E	8796E	10500	0900E	20201	21111	13223	81759	81770															
23	0717L	6807E	9096E	10500	0900E	20201	21111	13223	81759	81770															
24	0741L	6809E	9396E	10500	1100E	20201	21111	13223	81759	81770															
25	0809L	6809E	9696E	10500	0800E	20201	21111	13223	81759	81770															
26	0835L	6810E	9996E	10500	0800E	20201	21111	13223	81759	81770															

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

Date: 24-25 May 1956

FLIGHT: ROC DELTA

66001	Y0	L L L L	L L L V V V	h h h	d t b	0 e r r r	r	Q Q Q Q	r	N N N N	C h h h	C h h h	C h h h	C h h h	C h h h	C h h h	C h h h	C h h h	2 T T T	3 J H H	0 D F S Q	0 W S W D	r	J S S	7 h h h h	B	0 d S O	B	W a c i
1	2152L	52097	64266	01500	01500	05012	20200	21111	12170	71516	08181								20520	30010	51529								
2	2222L	52086	66295	01500	01500	08015	20200	20000	12370	81540	08181								20822	30010	51529								
3	2253L	52075	66495	01500	01500	08018	10200	20000	12350	81840	08181								20422	30011	51529								
L	2327L	62034	68166	01500	01500	08018	10101	11111	12310	82040	08181								20221	30009	51431								
5	0000L	62053	69366	01500	01500	06015	10101	11111	11200	82095									20221	30008	51431								
6	0031L	62042	70666	01500	01500	06012	10101	11111	11300	82095									20622	30008	51331								
7	0106L	62030	72066	01500	01500	06012	10101	11911	12210	82095	56566								20622	30007	51331								
8	0135L	62047	72166	01500	01500	06014	10811	11111	11200	82090									20623	30008	51431								
9	0207L	62063	72966	01500	01500	07015	81811	29111	13122	81958	82090								20825	30008	51431								
10	0240L	62080	72995	01500	01500	06016	10811	20000	13122	81560	82090								20821	30009	51431								
11	0312L	62097	72795	01500	01500	06018	10811	20000	13296	81760	82090								20522	30009	51431								
12	0344L	62115	72844	01500	01500	06018	10811	20000	13562	82090	64677								20222	30010	51431								
13	0413L	62130	73096	09000	09000	11010	20200	41111	12699	82090	47000								21157	33031									
14	0454L	62128	71996	09000	09000	13010	20200	41111	12598	82090	47000								21159	33031									
15	0500L	62125	69796	09000	09000	14008	20200	21111	12399	82040	36400								21159	33030									
16	0525L	62122	68096	09000	09000	13006	10200	21111	12960	82040	36400								21102	33090									
17	0553L	62119	66995	09000	09000	99005	64895	60000	15326	82090	89500	46200							20908	33028		64400							
18	0618L	62117	64656	09000	09000	02010	20610	21991	12970	82040	28181								21104	33029		64600							

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

RDC ALPHA _____

Date _____

26-27 May 1956

Seq	YO	L _a	L _b	L _c	L _d	L _e	L _f	L _g	L _h	L _i	L _j	L _k	L _l	L _m	L _n	L _o	L _p	L _q	L _r	L _s	L _t	L _u	L _v	L _w	L _x	L _y	L _z	L _{aa}	L _{ab}	L _{ac}	L _{ad}	L _{ae}			
1	2095L	70299	69866	09800	12018	10100	21111	00000	21111	00000	10000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000	15000			
2	2107L	70299	69866	09800	11022	81101	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000			
3	2115L	70299	69866	09800	11015	81101	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
4	2210L	70299	69866	09800	10025	10810	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
5	2210L	70299	69866	09800	11021	20100	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
6	2308L	70299	69866	09800	08030	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
7	2308L	70299	69866	09800	07020	10200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
8	0032L	12076	67966	16000	09012	20100	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
9	0110L	12100	67966	16000	13010	10200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
10	0110L	12126	67966	16000	13012	10100	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
11	0228L	12151	67966	16000	19006	20100	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
12	0302L	12176	67966	16000	19008	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
13	0334L	12199	67966	16000	23020	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
14	0415L	12172	66990	30612	23020	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
15	0410L	12156	66966	30612	23020	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		
16	0528L	12135	66966	30612	22020	20200	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000		

REMARKS

Observation #1: Surface wind 1120.
 Observation #2: Surface wind 1215.
 Observation #3: Surface wind 1215.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC BRAVO _____

Date _____

25-27 May 1956

GGggg	Y O	L L L L L	L L L L L	V V V	h h h	d d	dr	MMS	f	Q Q Q Q	i	A A A A A	ChHH	ChHH	ChHH	I A A A A	ChHH	ChHH	ChHH	2 T T T	T T T	B J	H H H	8 D F S D	4	M S W D	7	I I S S	7	H H H H H	B	o o s o	B	o o s o	B		
1	2134L	72130	68406	09700	12015	20101	21131	14313	81556	81565	81565	11500	08583							21105	31009																
2	2201L	72147	68496	09700	13012	20301	61111	13228	81550	81565	L65XX									2100L	31009																
3	2208L	72163	68406	09700	14010	10201	L1L1L	10550	80056	L707E										21008	31009																
4	2255L	72180	68466	09800	15010	10100	L1L1L	13112	80045	34685	27880									2090E	31031																
5	2452L	72157	68406	09800	14015	20101	L1131	15212	80050	80050	80070	12170	34263	0828E						2090E	31034		60098														
6	2547L	7221L	68466	09800	14008	20200	29111	13137	80050	39599	0828E									2095E	3103L																
7	0012L	12199	61566	09800	13010	20200	21135	12170	80056	0828E										2080E	31035												8073L	81535			
8	0010L	1218L	60666	09800	11015	10100	11111	13111	80050	34665	0828E									20903	31033																
9	0109L	12170	59796	09800	13008	10100	L11L1	10550	80056	0828E										21050	31028																
10	0158L	12155	58866	09800	13015	10100	111L1	13213	80056	3466L	0828E									21010	31025																
11	0207L	12141	57995	09800	11012	0501L	70000	10620	80057	0828E										2080L	31021																
12	0254L	12128	57096	09800	11015	20301	71111	12609	30060	36500										2090E	31023																
13	0301L	12112	56485	09800	08015	62200	20000	12189	65277	L650X										2090E	31023																
14	0358L	12098	55055	09700	08010	20610	20000	12189	65277	L650X										2110L	31023																
15	0453L	12083	54056	09700	10010	20610	21111	11699	L650X											2110L	31021																
16	0458L	1206L	53666	16000	11005	20300	21111	12179	65321	36700										2509E	31021																
17	0502L	12076	52990	16000	9900E	72721	90000	11699	30000											25090	31028																
18	0538L	12069	50900	16000	15008	20711	90000	12509	80056	L660X										25151	31029																
19	0617L	12101	60696	16000	13007	20200	21111	13317	82556	96500	L670X									26195	31070																

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

Date 27 May 1956

FLIGHT RUC SPECIAL

06001	Y0	L ₀ L ₁ L ₂ L ₃ L ₄ L ₅ L ₆ L ₇ L ₈ L ₉	L ₀ L ₁ L ₂ L ₃ L ₄ L ₅ L ₆ L ₇ L ₈ L ₉	V ₀ V ₁ V ₂ V ₃ V ₄ V ₅ V ₆ V ₇ V ₈ V ₉	h h h d d a	d e f f i i	w m m b	r c n e s s	i n t e n s i t y	C h i n h	C h i n h	C h i n h	C h i n h	C h i n h	2 T T d	3 J M H	6 D F S D	7 I L S S	8 d d S O	9 w e c i
1	0954L	12122	64788	09800	09800	08020	10100	10000	15113	80010	80058	80060	80057	80060	21282	33027			82739	81535
2	1025L	12122	66388	09800	09800	08022	10100	20000	14211	80010	80057	80065	80065	80060	21109	33027				
3	1100L	12105	66388	09800	09800	08022	10100	10000	13218	80010	80057	80065	80065	80060	21372	33027				
4	1117L	12105	64788	09800	09800	07013	10100	10000	13133	80010	80056	80065	80065	80060	21366	33027			80999	81535
5	1142L	12122	64788	09800	09800	08020	20700	20000	15219	80010	80057	80065	80065	80060	21295	33027				
6	1215L	12122	66388	09800	09800	08025	20200	20000	14211	80010	80057	80065	80065	80060	21286	33027				
7	1253L	12105	64788	09800	09800	09012	10100	10000	15216	80010	80065	80065	80065	80060	21370	33027			89619	81535
8	1308L	12105	64788	09800	09800	09012	10100	10000	15224	80010	80065	80065	80065	80060	20909	33027				
9	1354L	12122	66388	09800	09800	09015	10810	20000	13226	80010	80065	80065	80065	80060	25051	30005				
10	1402L	12122	66388	16000	16000	15015	10100	20000	12360	80010	80065	80065	80065	80060	20161	30005				
11	1431L	12105	64788	16000	16000	15012	10100	20000	12640	80010	80066	80066	80066	80060	20163	30005				
12	1453L	12105	64788	16000	16000	15006	10100	30000	15413	80010	80066	80066	80066	80060	20161	30005				
13	1518L	12122	66388	16000	16000	08006	10700	30000	13313	80057	80066	80066	80066	80060	20162	30005				
14	1545L	12122	66388	16000	16000	15011	10100	10000	12350	80050	80066	80066	80066	80060	20162	30005				
15	1614L	12105	66388	16000	16000	07015	10100	10000	12340	80058	80066	80066	80066	80060	25160					
16	1653L	12109	64088	08000	08000	07015	10100	10000	12340	80058	80066	80066	80066	80060						

REMARKS

Observation ρ : CI overcast very thin.

AIRCRAFT WEATHER RECONNAISSANCE

Date 27-28 May 1966

FLIGHT R.O. SPECIAL ONE

GGgg	YQ	L L L L	L L L V V V	h h h	d d	diff	WMB	C O O O	C N E S W	U U U U	I N N N	C H H H	C H H H	C H H H	C H H H	2 T T T	3 J H H	W S W S	7 H H H	8 d d S O	9 w w c c	
1	25000	12111	64406	10515	08021	10100	21111	13553	82058	L6670	L6081	21099	35026									
2	25000	12107	66096	10515	07005	81566	61111	13455	82063	L6670	28182	20999	35028									
3	00000	22113	67596	10515	09012	10810	11111	13315	82061	L6670	28182	21099	35027									
4	00000	22117	69186	10415	12015	10100	11111	12220	82057	L7580		21199	35027									
5	01000	22110	70596	10415	09016	10100	11111	12350	82059	L7580		21199	35027									
6	01500	22115	70996	10415	13016	10100	11111	12220	82050	L6670		21199	35027									
7	02000	22124	70097	10415	14027	10100	11111	12660	82056	L6670		21099	35027									
8	02500	22111	72896	10415	14016	10100	11111	12440	82056	L6670		21199	35027									
9	03000	22121	70596	10515	13015	10100	11111	12350	82050	L6670		21199	35027									
10	03500	22112	68996	10515	13019	10100	21111	12550	82057	L7075		21099	35028									
11	04000	22117	67096	10515	14018	20100	21119	12270	82058	L7580		20999	35025									
12	04500	22114	64995	10515	13018	85204	70000	13258	82050	98770	L7500											

REMARKS

Observation #1: APR 82 Imperative.

AIRCRAFT WEATHER RECONNAISSANCE

Date 28 May 1956

ROC SPECIAL

FLIGHT

	0	1	2	3	4	5	6	7	8	9	10	11	12	13
Geop	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L
	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a	h h d t a
	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300
1	0810L	0815L	0820L	0825L	0830L	0835L	0840L	0845L	0850L	0855L	0900L	0905L	0910L	0915L
2	0900L	0905L	0910L	0915L	0920L	0925L	0930L	0935L	0940L	0945L	0950L	0955L	1000L	1005L
3	0930L	0935L	0940L	0945L	0950L	0955L	1000L	1005L	1010L	1015L	1020L	1025L	1030L	1035L
4	0815L	0820L	0825L	0830L	0835L	0840L	0845L	0850L	0855L	0900L	0905L	0910L	0915L	0920L
5	0825L	0830L	0835L	0840L	0845L	0850L	0855L	0900L	0905L	0910L	0915L	0920L	0925L	0930L
6	0710L	0715L	0720L	0725L	0730L	0735L	0740L	0745L	0750L	0755L	0800L	0805L	0810L	0815L
7	0700L	0705L	0710L	0715L	0720L	0725L	0730L	0735L	0740L	0745L	0750L	0755L	0800L	0805L
8	0800L	0805L	0810L	0815L	0820L	0825L	0830L	0835L	0840L	0845L	0850L	0855L	0900L	0905L
9	0850L	0855L	0900L	0905L	0910L	0915L	0920L	0925L	0930L	0935L	0940L	0945L	0950L	0955L
10	0920L	0925L	0930L	0935L	0940L	0945L	0950L	0955L	1000L	1005L	1010L	1015L	1020L	1025L
11	0900L	0905L	0910L	0915L	0920L	0925L	0930L	0935L	0940L	0945L	0950L	0955L	1000L	1005L
12	0950L	0955L	1000L	1005L	1010L	1015L	1020L	1025L	1030L	1035L	1040L	1045L	1050L	1055L
13	1010L	1015L	1020L	1025L	1030L	1035L	1040L	1045L	1050L	1055L	1100L	1105L	1110L	1115L

REMARKS

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AIRCRAFT WEATHER RECONNAISSANCE

Date 28-29 May 1956

ROE SPECIAL

FLIGHT

66001	Y O L L L L L		L L L L V N		hh h	d _c	d _{fff}	wwww	c _{WESY}	i _{WNS}	ChHH	ChHH	ChHH	ChHH	ChHH	2 TT T _o		3 J HH	5 D F S O _c		6 M S W D		7 i . s . s	7 h h h h h		8 d d s o					
	1	2	3	4												5	6		7	8	9	10		11	12	13	14	15	16	17	18
1	2154L	22101	61675	01500	06092	81100	60000	13336	81228	36667	28285					20225	30010	51131													
2	2209L	22088	61666	01500	0801L	20201	21111	13267	81235	61057	36800					20262	30011	51131													
3	2214L	22075	66666	01500	05010	20201	21111	13255	61650	36670	08282					20252	30010	50229													
4	2309L	22064	66766	01500	06008	81201	21311	13225	81735	81757	37273					20522	30010	50229													
5	2315L	22050	67666	01500	09008	81811	21111	13126	81760	81759	37273					22522	30008	50229													
6	0007L	32037	68955	01500	05005	20201	20000	12560	81750	37273	08185					22521	30008	50321													
7	0056L	32024	69966	01500	06009	10101	11111	12120	81718	08185						22521	30008	50325													
8	0107L	32012	70956	01500	06006	10101	11111	12120	81720	08185						21251	31002														
9	0130L	31001	70957	09000	05006	10101	11111	12210	81730	08185						21258	31002														
10	0210L	32015	70657	09000	10011	10100	11111	12225	81790	81750	08185					21007	31002														
11	0337L	32050	75256	09000	16012	20200	11111	12221	81790	81759	08006					20909	31019														
12	0505L	32066	79295	09000	16015	81811	60000	12222	81517	81560	80000					21111	31019														
13	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
14	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
15	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
16	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
17	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
18	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
19	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
20	0336L	32061	76390	09000	12018	6666L	60000	11099	30008							21008	31028														
21	0750L	32127	69987	21000	05016	10100	21111	13215	82050	82059	08185					21101	31022														
22	0801L	32123	67568	21000	09018	10100	10000	12230	82050	82060	08185					21101	31022														
23	0856L	32118	66956	21000	11016	10100	10000	11600	82050	82060	08185					21101	31022														

REMARKS

Observation #16: At in layers.
 Observation #19: Cl very thin.
 Observation #22: Cu arranged in E-W rows.

AIRCRAFT WEATHER RECONNAISSANCE

Date 29-30 May 1966

FLIGHT ROC BRAVO TWO

66491	Y0	L L L L L	L L L L L	L L L L L	L L L L L	h h h	d d	g r f f f	w m m m s	f c	Q Q Q Q Q	I N N N N	C h h h h	C h h h h	C h h h h	C h h h h	C h h h h	2 T T	3 J	W S W D	I L S S	7 h h h h	8	9	0	
1	2154L	52126	63466	09800	06410	20100	11111	15117	82057	64050	36768							21506	35095							
2	2215L	52139	64099	09800	05010	20000	10000	19800	80000									21208	35032							
3	2250L	52152	65796	09800	09006	20000	11111	14262	80050	64050	36970							21356	35095							
4	2257L	52164	66866	09800	10006	20000	12170	12770	82065	08182								21367	35095							
5	2305L	52177	67906	09800	12008	20000	11111	12889	60756	65933								21468	35094							
6	2352L	52190	69096	09800	11011	20000	11111	15016	60056	60057	66567							21501	35095							
7	0019L	62805	70295	09800	12012	12000	10000	12889	60059	66600								21450	35094							
8	0017L	62816	71366	09800	12012	12000	11111	13385	82095	64045	36768							21350	35094							
9	0112L	62828	72466	16000	12012	20000	21111	12989	82095	29000								25159	36082							
10	0150L	62838	69866	16000	12015	20000	21111	12879	82095	37000								25162	36085							
11	0232L	62837	67166	16000	12015	10000	11111	12730	81050	08080								25065	36078							
12	0306L	62841	64466	16000	22020	10100	11111	13386	82050	69045	07879							25264	36076							
13	0342L	62847	61766	16000	22008	10100	11111	12120	82045	08080								25361	36073							
14	0414L	62850	59066	16000	22010	20100	21111	12170	62005	08080								25466	36074							
15	0442L	62854	56866	30600	35095	20000	21111	13228	82056	40899	08282							28088	35146							
16	0512L	62851	57866	30600	35092	20000	11111	13238	62095	40960	08181							28190	35145							
17	0541L	62808	58776	30600	34027	10000	11111	11200	62080									28098	35147							
18	06120	62718L	59666	30600	33015	10100	11111	11100	82045									27999	35148							
19	06380	627460	60666	30600	29020	10100	31441	13942	82057	64040	66565							27999	35154							
20	07100	62737	61096	30600	27021	20100	11111	16221	82050	82059	82070							27999	35156							

REMARKS

Observation #16, 71717 6291 57850 00509 65466 18160 70999 10020 50882 57760 40447 64820 35775 71860 30143 81900
 59595 XXXXX XXXXX 11661 09550 22583 02620 10191 00997 10165 00080.

AIRCRAFT WEATHER RECONNAISSANCE

Date 30-31 May 1956

FLIGHT ROC DELTA

0600	Y0	L L L	L L L V V	h h h	d L d	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0		
		0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000	0000		
1	2134L	L2134	65696	10500	99009	10101	21111	12450	82061	16670															
2	2201L	L2707	65277	10400	99009	10201	11181	12280	82057	16670															
3	2227L	L2164	65276	10500	99009	10100	11111	12210	82059	16650															
4	2254L	L2181	65277	10500	99009	10100	11111	12210	82058	16658		L707L													
5	2325L	L2197	65277	16000	99009	10100	11111	12210	82065	16662		27540													
6	0006L	S2185	60197	15000	20008	10100	11111	12210	82060	28081															
7	0006L	S2172	57897	16000	99009	10100	11111	12510	81060	28081															
8	0136L	S2155	54797	17000	99009	10100	11111	11200	82060																
9	0205L	S2146	56297	16000	21007	10100	11211	11400	82060																
10	0250L	S2154	56297	16000	20010	20100	11111	12260	82060	66657															
11	0318L	S2123	60756	16000	99009	10100	11111	12320	82056	80068															
12	0400L	S2111	62956	16000	99009	10100	11111	12320	82060	17074															
13	0438L	S2098	65196	16000	99009	20101	21111	12289	82060	16900															
14	0517L	S2085	67396	16000	99009	20300	61111	12310	82060	17377															
15	0550L	S2073	69596	20415	09015	10000	11111	12310	82070	17377															
16	0650L	S2060	67490	20415	11010	20301	90000	12999	82060	28081															
17	0709L	S2048	69296	20400	15015	10000	11199	12310	82060	28081															
18	0710L	S2095	61095	20400	17000	10100	10000	13212	82070	28081															
19	0755L	S2058	62495	20700	15010	10100	10000	13311	82060	28077															
20	0818L	S2064	62488	20700	09009	81811	60000	15314	81000	28077															
21	0853L	S2088	62488	20800	30011	80801	80000	16990	81000	28077															

REMARKS

- Observation #15: 100 mb height 20,750.
- Observation #16: 100 mb height 20,800.
- Observation #17: 100 mb height 20,770.
- Observation #18: 100 mb height 20,770.
- Observation #19: 100 mb height 20,770.
- Observation #20: 100 mb height 20,780.
- Observation #21: 100 mb height 20,820.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC ALPHA

Date

1-2 June 1956

0601	VO	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L	L
1	2031L	62097	62055	10800	12012	10100	20000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000	00000
2	2101L	62082	61766	10800	10018	1610L	11111	13223	81520	81565	4685	08181	08181		20905	33027																						
3	2135L	62064	61106	10800	06066	20200	11111	13227	81540	81500	1620X	08181		20907	33027																							
4	2150L	62048	61290	10800	09066	20200	80000	11899	3000X					20908	33023																							
5	2223L	62033	60990	10800	08013	33105	90000	11899	3000X					20905	33024																							
6	2251L	62016	60666	19600	10023	10100	11911	12220	61535	28181				20905	31024																							
7	2316L	62002	60866	19700	06009	10100	11111	13213	61535	81565	28181			20905	31024																							
8	2354L	62022	59666	19600	13008	10100	21111	14214	61540	81570	47072	08181	08181	20907	31027																							
9	0031L	72045	53666	19700	05009	10100	11111	15322	61535	81570	46869	08081	08081	20907	31023																							
10	0109L	72069	56866	19800	04070	10100	20090	15224	61535	81566	46769	08081	08081	20907	31023																							
11	0155L	72093	56066	19900	36010	20100	21111	15222	61535	81571	47374	11700	27981	20907	31023																							
12	0221L	72115	55206	19800	30012	10100	21111	13126	61530	81570	4720X			20905	31027																							
13	0259L	72139	54355	19600	31017	20200	21111	12340	61530	81500				20907	31026																							
14	0341L	72162	53666	19700	09005	10100	10000	12340	61530	81500	08181			20907	31026																							
15	0411L	72186	53066	20800	05012	10100	31111	12350	81557	45758				20907	31026																							
16	0435L	72200	51866	20600	35011	10100	11111	12210	81558	08181				20907	31026																							
17	0511L	72184	50746	20500	09020	10100	11111	12230	81566	08181				20907	31026																							
18	0545L	72167	49546	20500	08018	10100	21191	12250	81550	08181				20907	31026																							
19	0617L	72149	47855	20500	20020	20100	20000	13227	81550	81575	08181			20907	31026																							
20	0651L	72132	46990	20500	19012	20205	90000	11899	3000X					20905	33027																							

REMARKS

Observation #6: Climb winds - 99991 31020 11115 51013 61015 71310 81110 91120 99992 01020.

Observation #15: Climb winds - 99992 20915 30212 43614 53614.

Observation #16: 100 mb height 24,603.

Observation #17: 100 mb height 24,600.

Observation #18: 100 mb height 24,510.

Observation #19: Climb winds - 99991 10510 20067 40403 62004 82004 99992 08910. 100 mb height 24,500.

Observation #20: 100 mb height 24,550.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC BRAVO ONE

Date

L-5 June 1956

0600g	10 L A L A	L L L V A	L L L V A	h h h	d c d	diff	W A S T	0 0 0 0	C H H H	I A N N N	C H H H	2 T T d	3 J H H	5 D F S D	6 W S W D	7 I L S S	7 H A M H	8 0 4 S D	B	W S C L
1	1914L	22109	59856	09700	99002	10100	13216	81560	81566			21305	33082							
2	2015L	22106	58256	09600	99002	10100	13355	81560	81566			21302	33084							
3	2211L	22104	56686	09600	17008	10100	15222	81556	80066	35758		21107	33084							
4	2108L	22101	54956	09700	17011	10100	14271	81550	35869			21106	33095						80015	
5	2134L	22098	53256	09700	17015	10100	13215	81550	81561	06282		21108	33095						81050	
6	2204L	22095	51657	09800	14009	10100	13212	81545	81561	06282		21107	33095							
7	2211L	22092	49957	09700	15008	10101	14114	81530	81561	06282		21110	33081							
8	2254L	22088	48257	09600	12012	10101	13211	81546	80068	36869		21107	33081							
9	2134L	22085	46657	19700	15010	10100	15126	81540	81568	47577		21107	33081							
10	2546L	22121	47157	19700	51004	10100	12800	81560	06191			25558	38100						89008	81325
11	0013L	32117	47757	19800	53005	10100	13121	81540	81558	06282		25765	38104							
12	0052L	32140	46757	19800	51013	10100	11200	81540				25769	38102							
13	0129L	32154	45957	19800	09008	10100	11100					25781	38095							
14	0206L	32187	50657	19800	28008	10100	12110	81525				25872	38095							
15	0243L	32211	51657	19800	28009	10100	12110	81525	81554			25778	38090							
16	0310L	32222	53657	29708	30008	10100	11100	81540				25870	38089							
17	0341L	32234	54657	29708	32008	10100	12110	81540	81554			27087	38160							
18	0400L	32209	51657	28014	26020	10100	12110	81550	81559			27599	38140							
19	0458L	32190	56857	28014	30013	10100	11200	81550				29999	38008							
20	0507L	32170	57757	28014	05005	10100	11200	81550				26680	38124							
21	0540L	32150	59857	26715	06022	10100	15125	81540	81560	06184		26779	38125							
22	0615L	32151	60857	28015	30006	10100	11100	81550				26582	38128							
												26576	38127		60097					

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

NO. SPECIAL _____

Date _____ 5 June 1996 _____

66661	Y0	L ₁ L ₂ L ₃ L ₄	L ₁ L ₂ L ₃ L ₄	L ₁ L ₂ L ₃ L ₄	L ₁ L ₂ L ₃ L ₄	L ₁ L ₂ L ₃ L ₄	h h h d d	d d d d d	W M S	Q Q Q Q	P P P P	C N N N	C N N N	C N N N	C N N N	C N N N	2 T T T	3 J H H	5 0 F S D	W S W D	7 I I S S	7 H H H H	8 0 0 0 0	
1	1250L	32127	65588	09900	35002	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21053	33033						
2	1306L	32110	64788	09900	99002	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21154	33091						
3	1350L	32152	65988	09900	99002	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21162	33090						
4	1401L	32165	67188	09900	06007	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21001	33091						
5	1450L	32175	68388	09900	12008	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21061	33091						
6	1453L	32187	69688	09900	10011	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	21302	33092						81295
7	1527L	32199	70888	09900	09011	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	20905	33091						
8	1552L	32211	72188	09900	13012	10200	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	26164	33093						
9	1633L	32194L	70488	09900	99004	20100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	26062	33093						89900
10	1711L	32177	68688	09900	30010	10200	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25961	33095						
11	1756L	32159	66688	09900	27006	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25960	33095						
12	1827L	32160	64766	09900	26005	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25767	33096						
13	1950L	32128	63666	09900	21006	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25770	33098						
14	1953L	32107	61566	09900	99002	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25963	33097						
15	2054L	32128	61566	09900	27011	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25766	33099						
16	2054L	32128	61566	09900	32013	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25766	33099						
17	2054L	32128	61566	09900	18005	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25766	33099						
18	2128L	32107	61566	16000	99002	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25053	33095						
19	2153L	32108	61566	16000	18005	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25053	33095						
20	2206L	32185	61566	16000	27014	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25155	33094						
21	2301L	32127	63666	16012	99004	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25072	33094						
22	2304L	32111	63666	16012	99004	10100	10000	10000	10000	10000	10000	10000	10000	10000	10000	10000	25153	33095						

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **ROC BRAVO**

Date _____ **8-9 June 1956**

00001	YO	L L L L	L L L L V V	L L L L V V	h h h d d d	defrr	w m h s	f c	Q O Q O	K M M Z S	CHHH	CHHH	CHHH	CHHH	2 T T	T T	3 J	HH	B B F S D	W S W D	7 H H H H	B B D S O	B B D S O
1	1933L	6211L	6075L	0980	0980	11016	10100	21111	13156	82045	37275	08282			21102	21006	33053						
2	1958L	6211L	5906L	09800	09800	13020	20200	21111	13174	82045	36972	08282			21007	21007	33053						
3	2023L	6211L	5749L	09800	09800	12020	10200	21111	13155	82056	36972	08282			21007	21007	33051						
4	2050L	6211L	5579L	09800	09800	13020	10100	21111	13125	82058	36970	08282			21106	21106	33050						
5	2116L	6211L	5419L	09800	09800	12018	10100	21111	13125	82058	36970	08282			21105	21105	33053		6000L				
6	2112L	6211L	5219L	09700	09700	11016	10100	21111	13122	82050	82050	08181			21105	21105	33054						
7	2207L	6211L	5079L	09700	09700	12018	10100	21111	12120	82045	82058	08181			21255	21255	33053						
8	2234L	6211L	4907L	09700	09700	12008	10100	21111	12120	82045	82058	08181			25599	25599	34928		6000L				
9	2306L	6211L	4667L	19800	19800	15008	10100	21111	11200	82046					25599	25599	34928						
10	2320L	6212	4797L	19800	19800	25005	10100	21111	12220	82045	82059				25599	25599	34928						
11	2356L	6212	4897L	19800	19800	24002	10100	21111	12310	82045	82057				25599	25599	34928						
12	0034L	7216L	4697L	19800	19800	99001	10100	31111	13321	82050	82065	37376			25580	25580	34931						
13	0113L	7213L	5087L	19800	19800	21005	10100	21111	13135	82050	82065	08181			25475	25475	34930						
14	0158L	7220L	5227L	19800	19800	24005	10100	21111	13211	82045	82059	08181			25575	25575	34933						
15	0250L	7222L	5367L	19700	19700	27005	20100	21111	12289	82050	82082				25485	25485	34950						
16	0301L	7225L	5506L	29800	29800	27005	20200	21111	12270	82040	82085				27580	27580	35195						
17	0321L	7225L	5587L	29700	29700	24010	20200	21111	12270	82050	82085				27587	27587	35192						
18	0354L	7221L	5667L	29700	29700	24010	20200	21111	12370	82057	82085				27587	27587	35191						
19	0424L	7219L	5797L	29700	29700	10012	20200	21111	12289	82057	82085				27682	27682	35190						
20	0500L	7217L	5967L	29700	29700	09015	20200	21111	12270	82050	82082				27682	27682	35187						
21	0533L	7217L	6067L	29700	29700	09010	20200	21111	12289	82050	82082				27694	27694	35187		61600				
22	0600L	7213L	6167L	29700	29700	33009	20200	21111	13128	82050	82058	28222			27694	27694	35187						

REMARKS

Observation #13: Fix to fix wind 16012.
 Observation #15: Wind at 25,000 ft. 27010.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

RCC ALPHA _____

Date _____

10-11 June 1956

6691	YO	L L L L	L L L V ₁	h h h	d d	ddfff	w m m H	f	Q Q Q Q	i	k n m n	C n n H	C n n H	C n n H	2 T T T	3 J H H	6 W S W D	7 I I S S	8 d d S O	9 W e e C I
1	2015L	12111	64066	09800	05022	10100	11111	11111	81630	81635	81670	81690	81695	81660	21202	33059				
2	2114L	12108	67366	09700	06015	10100	11191	12210	81635	81650	81660	81635	81650	81660	21301	33041				
3	2114L	12105	67366	09800	07016	10100	11111	13111	81635	81656	08282	81635	81656	08282	2135L	33059				
4	2214L	12102	69266	09800	06018	10100	11191	14111	81625	81656	28081	81650	81656	28081	2135L	33040				
5	2213L	12099	70666	09700	08020	10100	11191	13212	81630	81668	28081	81630	81668	28081	21352	33040				
6	213L	12096	72366	09700	08020	10100	11191	12120	81635	81660		81635	81660		21350	33059				
7	2214L	12093	75966	24700	07008	10100	14141	13111	81630	81660	91670	81630	81660	91670	26571	38133				
8	028L	22106	71866	24700	30010	10100	31111	14111	81635	81660	91670	81635	81660	91670	26575	38131				
9	010L	22120	69766	24700	29009	10100	11191	13214	81635	81668	08282	81635	81668	08282	26581	38130				
10	013L	22133	67566	24800	26003	20100	21131	13217	81625	81670	08282	81625	81670	08282	26673	38129				
11	020L	22146	65366	24700	07012	10200	14141	13213	81625	81658	08282	81625	81658	08282	26576	38129				
12	021L	22159	63166	24700	06014	10100	14141	13212	81625	81656	08282	81625	81656	08282	26573	38133				
13	0315L	22173	60966	24800	09016	10100	11111	13225	81625	81660	08282	81625	81660	08282	26570	38135				
14	0347L	22186	58766	24700	13014	10100	14111	13213	81625	81660	08282	81625	81660	08282	26674	38138				
15	0419L	22199	56566	24700	16014	20100	21131	15111	81625	81668	36566	81625	81668	36566	26581	38139				
16	0432L	22208	54366	24700	20018	20200	21111	14111	81625	81656	28081	81625	81656	28081	26671	38138				
17	0514L	22188	56566	24700	12020	20200	21111	13117	81630	81660		81630	81660		26679	38135				
18	0511L	22168	58166	24700	10020	10200	14111	12120	81630	81660		81630	81660		26680	38131				
19	0534L	22148	59666	24700	09017	10100	11111	12120	81630	81665		81630	81665		26676	38127				81055
20	0708L	22127	61366	24700	07014	10100	11141	13111	81630	81660	81670	81630	81660	81670	26683	38124				

REMARKS

Observation #7:	L00 mb height 24,977.
Observation #8:	L00 mb height 24,867.
Observation #9:	L00 mb height 24,876.
Observation #10:	L00 mb height 24,860.
Observation #11:	L00 mb height 24,863.
Observation #12:	L00 mb height 24,905.
Observation #13:	L00 mb height 24,924.
Observation #14:	L00 mb height 24,958.
Observation #15:	L00 mb height 24,968.
Observation #16:	L00 mb height 24,950.
Observation #17:	L00 mb height 24,927.
Observation #18:	L00 mb height 24,879.
Observation #19:	L00 mb height 24,857.
Observation #20:	L00 mb height 24,806.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

NO. CHARLIE _____

Date _____

11-12 June 1956

6691	YO	L L L L	L L L V V V	h h d d	deff	W M H S	F C Q Q O O	I P M M N N	C N H H	C N H H	C N H H	C N H H	2 T T	3 J M H	6 D F S D	7 I I S S	8 d d S O	9 W a c i
		0 0 0 0	0 0 0 0	0 0 0 0														
1	2077L	28100	6344	01500	07015	40100	20000	12650	81140	13081			28422	30012	51221			
2	2108L	28088	64566	01500	06012	10100	20000	12750	81740	13081			28422	30012	51221			
3	2138L	22075	65666	01500	07011	10101	11191	12280	61630	08181			28422	30012	52219			
4	2209L	22062	66766	01500	06012	10101	11111	12210	61645	08181			28422	30012	52219			
5	2233L	22050	67766	01500	05007	10101	11111	12210	81645	08181			28422	30011	59119			
6	2316L	22036	68866	01501	05006	10101	11111	12110	81660	81660			28422	30011	59119			
7	2344L	22024	69966	01501	07008	10101	11111	11200	81650				28422	30011	59119			
8	2016L	32011	70977	01513	01010	10101	11111	11200	81650				28422	30011	59119			
9	2046L	37008	72077	01501	07012	10101	11111	11200	61725				28422	30010	52219			
10	0117L	37015	73077	01513	11007	10101	11111	11200	61725				28422	30009	59119			
11	0158L	37028	74177	01500	99009	10101	11111	11000	61720				28422	30008	51219			
12	0238L	37015	75077	01500	34010	10101	11111	12120	61720	08282			28422	30008	51219			
13	0304L	32001	75977	01500	33010	10101	11111	12220	61750	28182			28422	30008	51219			
14	0334L	32015	76877	01500	34012	10101	11111	11100	61720				28421	30008	51211			
15	0410L	32028	77777	01500	99009	10101	11111	11100	61720				28421	30008	59119			
16	0441L	32042	78666	01528	99007	10101	11111	13212	61720	82060	16665		21001	33028				
17	0504L	32063	80066	10916	08014	10101	31111	13226	61725	82061	16959		20904	33029				
18	0550L	32066	78666	10716	04012	10101	41111	14229	61750	82051	15959	11600	28182	33028				
19	0616L	32073	76866	-10616	02012	10100	21111	13227	81545	81559	28182		21001	33029				
20	0645L	32077	75266	10917	08015	10100	21111	13215	81540	81559	28182		21053	33029				
21	0708L	32082	79566	10717	07015	10100	11111	13314	81540	81562	47577		21062	33021				
22	0754L	32086	71966	10717	07015	10100	11111	13314	81540	81562	47577		20906	33029				
23	0806L	32091	70988	10715	16015	10100	10000	13385	81540	81559	28182		20905	33029				
24	0834L	32095	68788	10715	18017	10101	10000	11500	81559				20904	33029				
25	0900L	32100	67188	10715	13007	10100	20000	12860	81550	46770			20904	33029				
26	0927L	32134	65688	10715	11010	10104	20000	13016	81550	81562	46770		20903	33029				
27	0954L	32109	64088	10715	16011	10101	10000	11500	81550				21062	33029				

REMARKS

Observation #1: AFW 82 Inoperative.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

NO. CHARLES

Date

14-15 June 1966

	V0	L L L L L	L L L V V	h h h	d e a	diff	u u u u	f c	Q Q Q Q	I	K K K K K	C H N H	C H N H	I	K K K K K	C H N H	C H N H	2 T T T	3 J M M	5 D F S D	6 W S W D	7 I I S S	7 h h h M M	8 d d S O B	9 c c c L e		
1	1996L	52113	61196	09800	99088	81101	61111	15321	82010	82161	08282	21005	31091					21005	31091						89910	80095	
2	2004L	52113	61197	09700	38008	81101	61111	15437	82061	69657	06282	21020	31094					21020	31094								
3	2058L	52113	61167	09700	31005	10100	31111	15216	82056	82060	08282	21091	31098					21091	31098								
4	2100L	52113	61167	09700	99002	10100	31111	12510	82050	08282		2100L	31086					2100L	31086								
5	2126L	52113	70867	09700	29010	10100	11111	12950	82050	08282		21005	31097					21005	31097		60091						
6	2154L	52113	70867	09700	26014	10100	19919	12860	82045	08085		2100L	31092					2100L	31092		60091						
7	2219L	52113	70867	09700	29010	10100	19919	12860	82045	08085		21005	31095					21005	31095								
8	2269L	52113	79897	09800	24012	09101	21111	11615	82059	9000X	16282	20009	31095					20009	31095								
9	2314L	52113	79896	09800	24012	09101	21111	11615	82059	9000X	16282	20009	31095					20009	31095								
10	2337L	52113	79897	09800	24012	09101	21111	11615	82059	9000X	16282	20009	31095					20009	31095								
11	0007L	52113	79897	09800	24012	09101	21111	11615	82059	9000X	16282	20009	31095					20009	31095								
12	0052L	52113	79896	09700	25015	20791	19000	19800	8200X	9000X		20008	31098					20008	31098								
13	0098L	52113	79896	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
14	0129L	52113	79896	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
15	0207L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
16	0258L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
17	0304L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
18	0350L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
19	0408L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
20	0444L	52113	70867	09700	25015	20791	19000	19800	8200X	9000X		20009	31095					20009	31095								
21	0515L	52113	66875	29701	36006	20801	80000	13267	82095	27880	08181	27879	38145					27879	38145								
22	0548L	52113	66875	29701	36006	20801	80000	13267	82095	27880	08181	27880	38145					27880	38145								
23	0518L	52113	66875	29701	36012	10100	21111	11322	82060	9000X	36062	27881	38145					27881	38145								
24																											
25																											

REMARKS

Observation #6: Additional alt-indicator group 60091.
 Observation #7: Additional alt-indicator group 60091.
 Observation #11: Soft hail.
 Observation #12: Temperature data full.
 Observation #16: Additional alt-indicator group 60091.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC BRUVO

Date

11-15 June 1996

06001	VO	L.L.A.	L.O.O.	L.V.E.	h h	d t _h	diff	W.S.D.	W.S.D.	T T	2 T T	3 J	W.S.D.	W.S.D.	7	7	H.M.M.	H	C.D.S.D.	B	C.C.I.		
1	2031L	52121	61766	10700	10700	0100L	10100	11111	12210	82056	28181	21055	31051										
2	2102L	52114	61866	10700	10700	1500S	10100	11111	13225	82050	82060	20081	20981										
3	2128L	52161	60666	10600	10600	1500S	10100	11111	11225	82050	82061	45758	21057										
4	2158L	52176	59966	10600	10600	0900S	10200	11111	13256	82058	45758	20081	21065										
5	2226L	52192	59755	10700	10700	0910L	10100	20000	15216	82050	82061	20081	20905										
6	2254L	52208	58795	10700	10700	0500L	20100	20000	15218	82050	82000	4633X	20905										
7	2319L	52225	58155	10700	10700	0201L	20000	20000	15228	82050	82059	4633X	20905										
8	2352L	52279	57095	10600	10600	0500L	20001	20000	13228	82050	82000	4633X	21006										
9	0051L	62282	56966	10700	10700	0501L	20001	21111	13218	82056	4633L	4700X	21005										
10	0101L	62319	56395	10700	10700	0201L	20002	50000	13249	82000	4633L	4700X	21005										
11	0126L	62286	56166	10800	10800	0301L	20000	21191	12289	82050	4633L	4700X	21051								89L1L	8135B	
12	0152L	62225	53295	10800	10800	0601S	20000	20000	13217	82058	82070	46362	21000										
13	0226L	62210	51866	10700	10700	0701L	10200	11199	11215	61535	81557	36365	21000										
14	0246L	62198	50796	10700	10700	0701L	10100	10919	15122	61535	81556	8156L	20905										
15	0312L	62185	48666	10600	10600	0801L	10100	11111	12310	61535	81556		20905										
16	0334L	62172	48966	10700	10700	0900L	10100	11111	13311	61535	81556	91573	2105L		60099								
17	0405L	62159	47966	10700	10700	0900L	10100	11111	12210	82050	82057		2095L										
18	0450	62140	45766	18600	18600	1107S	10100	11111	12210	82050	82062		2095L										
19	0519L	62135	43066	18700	18700	1101L	10100	19111	12210	82050	82062		20951										
20	0538L	62131	50766	18700	18700	1001L	20100	21111	13227	82059	45758	81818	25299										
21	0611L	62126	53266	18600	18600	1100T	20000	21111	12270	82059	81818		25276										
22	07050	62121	59966	18700	18700	0700S	10200	21111	13225	82060	45758	81818	25478										
23	0740L	62119	58066	16600	16600	05010	10100	31111	13333	82061	45758	81818	25499										
24	0819L	62117	60698	16600	16600	0900S	10100	51111	13432	82059	45758	81818	25578										
													25680										

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

NCC BRAND _____

Date _____

21-22 June 1966

0600	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000																																																																																																														
6691	6692	6693	6694	6695	6696	6697	6698	6699	6700	6701	6702	6703	6704	6705	6706	6707	6708	6709	6710	6711	6712	6713	6714	6715	6716	6717	6718	6719	6720	6721	6722	6723	6724	6725	6726	6727	6728	6729	6730	6731	6732	6733	6734	6735	6736	6737	6738	6739	6740	6741	6742	6743	6744	6745	6746	6747	6748	6749	6750	6751	6752	6753	6754	6755	6756	6757	6758	6759	6760	6761	6762	6763	6764	6765	6766	6767	6768	6769	6770	6771	6772	6773	6774	6775	6776	6777	6778	6779	6780	6781	6782	6783	6784	6785	6786	6787	6788	6789	6790	6791	6792	6793	6794	6795	6796	6797	6798	6799	6800	6801	6802	6803	6804	6805	6806	6807	6808	6809	6810	6811	6812	6813	6814	6815	6816	6817	6818	6819	6820	6821	6822	6823	6824	6825	6826	6827	6828	6829	6830	6831	6832	6833	6834	6835	6836	6837	6838	6839	6840	6841	6842	6843	6844	6845	6846	6847	6848	6849	6850	6851	6852	6853	6854	6855	6856	6857	6858	6859	6860	6861	6862	6863	6864	6865	6866	6867	6868	6869	6870	6871	6872	6873	6874	6875	6876	6877	6878	6879	6880	6881	6882	6883	6884	6885	6886	6887	6888	6889	6890	6891	6892	6893	6894	6895	6896	6897	6898	6899	6900	6901	6902	6903	6904	6905	6906	6907	6908	6909	6910	6911	6912	6913	6914	6915	6916	6917	6918	6919	6920	6921	6922	6923	6924	6925	6926	6927	6928	6929	6930	6931	6932	6933	6934	6935	6936	6937	6938	6939	6940	6941	6942	6943	6944	6945	6946	6947	6948	6949	6950	6951	6952	6953	6954	6955	6956	6957	6958	6959	6960	6961	6962	6963	6964	6965	6966	6967	6968	6969	6970	6971	6972	6973	6974	6975	6976	6977	6978	6979	6980	6981	6982	6983	6984	6985	6986	6987	6988	6989	6990	6991	6992	6993	6994	6995	6996	6997	6998	6999	7000

REMARKS

Observation #16: 100 mb height 24,770.
 Observation #17: 100 mb height 24,770.
 Observation #18: 100 mb height 24,770.
 Observation #19: 100 mb height 24,750.
 Observation #20: 100 mb height 24,750.
 Observation #21: 100 mb height 24,750.
 Observation #22: 100 mb height 24,770.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

	0000	10	L L L L L	L L L L V X	L O O E H	h h h d d	0000	f o o o o	f c w e s y	h h h h h	I K N M N	C N H H H	C N H H H	C N H H H	I K N M N	C N H H H	C N H H H	2 T T J d	3 J H H H	5 0 F S D	6 W S W D	7 r t b o	7 h h h h h	8 d d s o	8 e e e e
1	20314	72108	60898	09600	09600	10000	20810	29119	1121	81468	82058	82058	11700	20080	21107	33088									
2	20564	72102	59856	09700	09700	09019	20800	29111	1321E	82050	82050	14500			21253	33027									82716
3	21214	72097	57694	09800	09800	10022	97205	70000	13325	91500	65550	16000			21107	33025									
4	21424	72091	56095	09900	09900	11024	81850	50000	19800	80000					20909	33027									
5	22124	72085	54456	09700	09700	10021	10810	21111	13424	82050	36566	08181			21207	33026									
6	22354	72080	52956	09700	09700	10021	10700	21991	12460	82050	08181				21207	33026									
7	23004	72074	51357	19800	19800	13013	20100	41119	13417	82050	82060	08181			25765	34921									
8	23204	72073	53997	19700	19700	19012	20200	41111	14114	91000	81570	82050	11799	20000	25765	34922									81824
9	00164	12072	56356	19500	19500	09012	20200	21911	14123	82050	63545	14749	11699	28000	25656	34920									80055
10	00544	12071	58956	19700	19700	09014	20200	21991	12489	81568	29000				25657	34918									80055
11	01344	12070	61367	19600	19600	09010	10200	21111	13125	82050	81571	82050			25761	34915									
12	02124	12069	63767	19600	19600	09015	10100	21991	13316	82050	82058	08282			25660	34915									
13	02404	12068	65267	19700	19700	09013	10100	21991	13226	82050	36465	08282			25659	34916									
14	02924	12067	68767	19700	19700	08014	10100	29199	13125	81575	82050	08282			25660	34915									
15	04004	12066	71267	19700	19700	08013	10100	11991	13132	82050	36062	08282			25665	34917									
16	04324	12065	73967	19700	19700	08012	10100	11111	13122	91081	82050	08282			25771	34917									82011
17	05104	12076	76267	19700	19700	10008	10100	21111	13135	82050	16566	08282			25771	34917									
18	05454	12086	68456	19700	19700	09006	10100	11191	13211	82050	82060	08181			25675	34919									
19	06324	12097	66156	19600	19600	13007	10100	21111	12360	82050	08181			25773	34919										
20	07104	12107	63956	19800	19800	10004	10100	11111	12110	82050	14725														

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC BRAVO

Date _____

24-25 June 1966

00001	Y0	L L L L L	L L L V V	L L L V V	hh h	4 t d	d r f f	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0	0 0 0 0			
1	1940L	12158	62667	09800	36006	20100	11111	12210	81520	81558	81595	21152	51027											
2	2024L	12155	62667	09800	06006	10100	11111	13221	81530	81558	80185	21000	31050										8000A	
3	2050L	12172	62667	09800	05013	10100	11111	13113	81530	81560	80185	21001	31050											8000A
4	2115L	12188	62667	09800	07001	10101	11111	13213	81535	81553	80283	21054	31094											
5	2148L	12205	62667	09700	09015	10101	11111	13210	81545	80283		21157	31094											
6	2217L	12222	62667	09800	08014	20101	21111	13134	81535	37075	80282	21097	31096											8167A
7	2248L	12239	62667	09800	06008	20201	21111	13215	81540	81161	37275	21305	31097											8167A
8	2314L	12255	62667	09800	08007	20201	21111	13251	66666	36669	80282	21305	31097											8167A
9	2341L	12273	62667	09800	05015	81811	61111	13282	81565	90081	80282	25950	34090											8167A
10	0008L	22263	62667	09800	08012	10811	19199	13114	81540	81560	81182	25963	34091											8167A
11	0048L	22290	62667	19700	11017	10100	11911	13210	81550	81569	80080	25963	34091											8167A
12	0129L	22287	62667	19600	10090	10100	12199	13115	81550	81569	80080	26066	34099											8167A
13	0213L	22224	71067	19600	11040	10100	11991	13225	81556	36667	80081	26066	34099											8167A
14	0257L	22212	73467	19600	12028	10100	11191	13214	81540	81566	81182	29770	34090											8167A
15	0328L	22201	75267	19600	11085	10100	11111	13211	81535	81566	81181	29770	34090											8167A
16	0354L	22193	76767	29700	20017	10100	11111	13113	81535	81565	07182	29770	34090											8167A
17	0429L	22184	75267	29700	29005	10100	21111	14122	81540	81565	07981	28099	38112											8167A
18	0500L	22175	78867	29600	24005	10101	21111	13122	81535	81565	07981	28199	38112											8167A
19	0535L	22160	78867	29600	23027	10101	21111	13125	81535	81565	08081	28199	38112											8167A
20	0612L	22148	62665	29700	29020	20101	80111	13127	81535	81565	27981	27880	38110											8167A
21	0647L	22134	62697	29700	24022	10101	31111	11222	81535	81570	63537	27796	38112											8167A
22	0722L	22122	63967	29800	24005	10100	11111	13114	81545	81559	6846A	27796	38113											8167A

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

REC ALPHA

Date

21-25 June 1966

6601	YO	L L L	L L L	V M	V M	h h	d d	U U	U U	V V	V V	U U	U U	V V	V V	C N N H	C N N H	C N N H	C N N H	C N N H	C N N H	T T T	T T T	3 J	N M	B D F S D	W S V D	T I S S	H H H	H H H	d d	S S	W W C C		
1	20394	12103	61755	01500	05080	01101	10000	12113	61665	81662	28181					28222	30010	51321																	
2	21084	12093	64955	01500	09019	10101	20000	12286	81660	81660	36466					28225	30009	51321																	
3	21124	12082	66266	01500	09019	20101	21111	12217	81660	81660	28181					28222	30009	52322																	
4	22174	12071	67544	01500	09021	10201	20000	12227	81660	81660	36466					28222	30009	52322																	
5	22524	12060	68844	01500	06020	81811	60000	11899	8158X							28222	30009	52322																	
6	22274	12049	70155	01500	09017	81811	50000	12899	8160X							28222	30009	52322																	
7	23574	12038	71486	01500	08014	10101	41111	13326	81640	81660	47275					28222	30009	52322																	
8	00924	22061	70890	19613	39006	20715	90000	11899	3300X							28222	30009	52322																	
9	01154	22082	69095	19613	99009	20201	70000	19847	48265	46971	28181					28222	30009	52322																	
10	01424	22104	67977	19713	30012	10100	11119	12113	61525	81558	28181					28222	30009	52322																	
11	02284	22127	66577	19613	21018	10100	11111	12220	81558	81558	28181					28222	30009	52322																	
12	03004	22148	65477	19713	27010	10100	11111	12220	81558	81558	28181					28222	30009	52322																	
13	03344	22171	64177	19613	35013	20100	11111	12220	81558	81558	28181					28222	30009	52322																	
14	04134	22192	63077	19714	06013	10200	31111	12260	81558	81558	28181					28222	30009	52322																	
15	04474	22215	61797	19714	07081	10101	21111	12270	81559	81558	28181					28222	30009	52322																	
16	05094	22229	60996	19714	09014	20101	21111	12270	81559	81558	28181					28222	30009	52322																	
17	05442	22206	61296	19714	06017	10100	21111	12250	81558	81558	28181					28222	30009	52322																	
18	06172	22180	61496	19713	06010	10100	21111	12430	81558	81558	28181					28222	30009	52322																	
19	06462	22155	61796	19714	17012	10100	11111	12210	81545	81558	28181					28222	30009	52322																	
20	07262	22130	62096	15713	27009	10100	11111	12910	81527	81571	28181					28222	30009	52322																	

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ ROC BRAVO _____

Date _____ 25-26 June 1976 _____

Leg	TO	FROM	Alt	Wind	Temp	Humid	Cloud	Vis	Pressure	Time	Alt	Wind	Temp	Humid	Cloud	Vis	Pressure	Time	Alt	Wind	Temp	Humid	Cloud	Vis	Pressure	Time
1	1920L	2212Z	65766	0900	12010	10100	31111	11111	11111	11221	81550	81559	81562	08181				21105	31029							
2	1947L	2213L	62866	0900	15010	10100	11111	11111	11111	13211	81585	81585	81584	08181				21005	31029							
3	2015L	2215L	63166	0900	17010	10100	11111	11111	11111	14322	81635	81634	81634	08181				20906	31031							
4	2042L	2217L	63466	0900	17010	10100	11111	11111	11111	15432	81680	81681	81681	08181				20806	31033							
5	2110L	2218L	63766	0900	17010	10100	11111	11111	11111	16542	81720	81720	81720	08181				20706	31035							
6	2134L	2220L	64066	0900	17010	10100	11111	11111	11111	17652	81760	81760	81760	08181				20606	31037							
7	2203L	2222L	64366	0900	17010	10100	11111	11111	11111	18762	81800	81800	81800	08181				20506	31039							
8	2234L	2225L	64666	0900	17010	10100	11111	11111	11111	19872	81840	81840	81840	08181				20406	31041							
9	2304L	2225L	64966	0900	17010	10100	11111	11111	11111	20982	81880	81880	81880	08181				20306	31043							
10	2334L	2225L	65266	0900	17010	10100	11111	11111	11111	22092	81920	81920	81920	08181				20206	31045							
11	0010L	3225L	65566	0900	17010	10100	11111	11111	11111	23202	81960	81960	81960	08181				20106	31047							
12	0057L	3225L	65866	0900	17010	10100	11111	11111	11111	24312	82000	82000	82000	08181				20006	31049							
13	0110L	3225L	66166	0900	17010	10100	11111	11111	11111	25422	82040	82040	82040	08181				19906	31051							
14	0222L	3225L	66466	0900	17010	10100	11111	11111	11111	26532	82080	82080	82080	08181				19806	31053							
15	0304L	3218L	66766	0900	17010	10100	11111	11111	11111	27642	82120	82120	82120	08181				19706	31055							
16	0351L	3218L	67066	0900	17010	10100	11111	11111	11111	28752	82160	82160	82160	08181				19606	31057							
17	0411L	3218L	67366	0900	17010	10100	11111	11111	11111	29862	82200	82200	82200	08181				19506	31059							
18	0454L	3211L	67666	0900	17010	10100	11111	11111	11111	30972	82240	82240	82240	08181				19406	31061							
19	0534L	3211L	67966	0900	17010	10100	11111	11111	11111	32082	82280	82280	82280	08181				19306	31063							
20	0613L	3213L	68266	0900	17010	10100	11111	11111	11111	33192	82320	82320	82320	08181				19206	31065							
21	0654L	3213L	68566	0900	17010	10100	11111	11111	11111	34302	82360	82360	82360	08181				19106	31067							
22	0734L	3215L	68866	0900	17010	10100	11111	11111	11111	35412	82400	82400	82400	08181				19006	31069							
23	0807L	3211L	69166	0900	17010	10100	11111	11111	11111	36522	82440	82440	82440	08181				18906	31071							

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC DELTA _____

Date _____

30 June 1956

0001	YO	L L L L	L L L L	Y Y Y Y	N N N N	Q Q Q Q	W W W W	0 0 0 0	1 1 1 1	2 2 2 2	3 3 3 3	4 4 4 4	5 5 5 5	6 6 6 6	7 7 7 7	8 8 8 8	9 9 9 9
0001	YO	L L L L	L L L L	Y Y Y Y	N N N N	Q Q Q Q	W W W W	0 0 0 0	1 1 1 1	2 2 2 2	3 3 3 3	4 4 4 4	5 5 5 5	6 6 6 6	7 7 7 7	8 8 8 8	9 9 9 9
1	7095	61566	01500	06010	10851	19111	06010	06010	12710	06010	06010	06010	06010	06010	06010	06010	06010
2	7096	61166	01500	06010	20101	21111	06010	06010	14714	06010	06010	06010	06010	06010	06010	06010	06010
3	7097	60666	01500	06008	01200	21111	06008	06008	14114	06008	06008	06008	06008	06008	06008	06008	06008
4	7098	60666	01500	06008	10810	21911	06008	06008	12250	06008	06008	06008	06008	06008	06008	06008	06008
5	7099	59666	01500	06008	01101	21991	06008	06008	13298	06008	06008	06008	06008	06008	06008	06008	06008
6	7100	60995	05000	06008	20950	50000	06008	06008	19000	06008	06008	06008	06008	06008	06008	06008	06008
7	7201	61092	06000	07005	20200	21911	07005	07005	13127	07005	07005	07005	07005	07005	07005	07005	07005
8	7202	61856	06000	09008	10200	21911	09008	09008	14483	09008	09008	09008	09008	09008	09008	09008	09008
9	7203	61856	06000	10009	10100	11111	10009	10009	12930	10009	10009	10009	10009	10009	10009	10009	10009

REMARKS

Observation #6, Roc Delta abort, posit #5 return abt direct 5000 ft.

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT ROC DELTA TWO Date 1 July 1956

66801 YQ 1411L 12106 60808 09700 13013 20207 20000 13990 80000 80000 80000 21107 20909 33091 8815L 80000 80000 80000 21108 21106 33032 88150 80000 80000 80000 25559 34987 80000 80000 80000 25759 34987 80000 80000 80000 25762 34988 80008 80055 25662 34988 80000 80000 25672 34987 80000 80000 25669 34988 80000 80000 25771 34987 80000 80000 25766 34984 80000 80000 25159 34978 80000 80000 25061 34982 80000 80000 25072 34982 80000 80000 20159 34979 80000 80000 25059 34977 80000 80000 25156 34981 80015 25156 34985 80000 80000

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____ **Date** _____ 1-2 July 1956

RCC DELTA ONE

60001	VO	L	U	L	L	L	L	L	L	L	h	d	d	e	diff	we	M	H	6	MS	7	I	SS	7	H	H	H	H	8	W	W	W	W	W	W	W	W
1	1954	12097	68195	10701	11005	20000	20000	20000	12870	61505	16567	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	ChHH	
2	2000	12080	68196	10700	11010	20000	20000	20000	12870	61505	16568																										
3	2001	12065	68196	10700	07015	20001	20001	20001	13237	61505	16569																										
4	2002	12047	68196	10800	10013	10001	10001	10001	11225	61505	16569			11200	08000																						
5	2100	12090	68196	10700	09010	10100	10100	11111	13213	61505	16569																										
6	2150	12099	68196	10800	08010	20100	20100	11191	12870	61505	16569																										
7	2225	12047	68196	10800	08006	10100	10100	13111	11900	61505	16569																										
8	2250	12095	68196	10700	06000	10100	10100	13211	12870	61505	16569																										
9	2300	12065	68196	10700	11011	10100	10100	13211	11999	61505	16569																										
10	2300	12072	68196	10700	11011	20100	20100	11999	11999	61505	16569																										
11	2300	12080	68196	10700	09008	20000	20000	90000	11999	61505	16569																										
12	2300	12095	68196	10700	19006	20001	20001	10000	13228	61505	16569																										
13	2300	12105	68196	10600	25000	20000	20000	61111	13228	61505	16569																										
14	2300	12118	68196	10600	12008	10000	10000	11111	12220	61505	16569																										
15	2300	12131	68196	10600	12005	10100	10100	11111	12220	61505	16569																										
16	2300	12143	68196	10600	10005	10100	10100	11111	11300	61505	16569																										
17	2300	12155	68196	10600	31000	10100	10100	11111	11300	61505	16569																										
18	2300	12168	68196	10600	36010	10100	10100	11111	11300	61505	16569																										
19	2300	12180	68196	10600	01012	10100	10100	11111	12300	61505	16569																										
20	2300	12188	68196	10700	05012	10100	10100	11111	13135	61505	16569																										
21	2300	12196	68196	10800	05015	10100	10100	11111	13215	61505	16569																										
22	2300	12180	68196	10700	09011	20001	20001	90000	11999	61505	16569																										
23	2300	12155	68196	10800	25010	10001	10001	11111	13228	61505	16569																										
24	2300	12150	68196	10900	25005	10101	10101	11111	12220	61505	16569																										

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT _____

ROC SPECIAL _____

Date _____

10 July 1956

	Gegol	YQ	L L L L	L L L Y V X	L L L Y V X	h h h	d d d	w e a t h e r	C O O L O	I	K K N N	C h r i m	C h r i m	C h r i m	C h r i m	C h r i m	C h r i m	W S W D	L I S S	7 h h H H H	B o d d S O B	w a c i		
1	0908L	32111	60708	09900	09900	09900	10010	X0000	X0000	X0000	18999													
2	0908L	32128	59088	09900	09900	09900	11015	X0000	X0000	X0000	18999													
3	0954L	32105	57708	09900	09900	09900	12012	81001	70000	70000	18999										80119		80658	
4	1321L	32132	55798	09900	09900	09900	13010	81911	60000	60000	18999													
5	1308L	32100	54088	09900	09900	09900	11007	X0000	X0000	X0000	18999													
6	1110L	32115	54588	09900	09900	09900	21005	X0000	X0000	X0000	18999													
7	1110L	32131	55198	09900	09900	09900	25008	X0000	X0000	X0000	18999													
8	1208L	32117	55708	09900	09900	09900	19010	X0000	X0000	X0000	18999													
9	1228L	32161	56288	09900	09900	09900	19010	X0000	X0000	X0000	18999													
10	1250L	32176	56988	09900	09900	09900	19012	X0000	X0000	X0000	18999													
11	1300L	32138	59588	19900	19900	19900	16013	20000	30000	30000	11900													
12	1321L	32149	60188	19900	19900	19900	21014	10900	10000	10000	13112													
13	1421L	32127	61988	19900	19900	19900	21215	82101	70000	70000	13265	80050	80075	56970										
14	1509L	32113	63488	19900	19900	19900	21014	10110	10000	10000	12210	80050	80066											
15	1550L	32105	64088	16000	16000	16000	13010	10990	10000	10000	12210	80050	80062											
16	1637L	32105	66688	16000	16000	16000	14210	81101	60000	60000	13313	80050	80070	36658										
17	1713L	32128	66688	16000	16000	16000	26009	10100	10000	10000	11200	80040												

REMARKS

AIRCRAFT WEATHER RECONNAISSANCE

FLIGHT

ROC ALPHA TWO

Date 15-16 July 1956

66001	YO	L L L	L L L V M	L L L V M	h h h	d e d	d e f f r	w m m b	f c n e s w	i k n m m	C n h h h	C n h h h	C n h h h	i k n m m	C n h h h	C n h h h	C n h h h	2 T T	3 J M H	5 D F S D	6 W S W D	7 I L S S	7 h h m m	B d d S O	B w a c i
1	2094L	12119	64066	09800	09800	11011	10100	10100	14431	15211	81862	81862	81862	12220	45959	08080	08080	21107	33082						
2	21074L	12125	65566	09800	09800	12008	20100	20100	29131	14211	81865	81865	81865	11899	46600			21104	33093						
3	21354L	12131	67166	09800	09800	09006	10200	10200	11111	13313	81857	36162	08080					21107	33094						
4	22044L	12136	68766	09800	09800	05005	10100	10100	11111	12310	81857	08390						21005	33093						
5	22224L	12142	70466	09800	09800	06004	10100	10100	11111	13211	81845	81858	08080					21101	33091						
6	23004L	12148	72066	09800	09800	09003	10100	10100	11111	14111	81830	81859	45960	11200	08080			21005	33092						
7	23274L	12154	73666	19800	19800	27010	20100	20100	21431	12189	81857	27533						25867	34992						
8	00104L	22155	71066	19800	19800	27022	10200	10200	21431	13116	81856	36667	08080					25766	34992	60095					
9	00514L	22155	68466	19800	19800	30013	10100	10100	21111	12250	81856	08080						25766	34992						
10	01304L	22156	65866	19700	19700	24005	10100	10100	11111	12120	81835	08080						25766	34992						
11	02064L	22158	62866	19900	19900	18006	10100	10100	11111	14211	81840	81865	27778	11200	08080			25869	34993						
12	02434L	22158	60766	19700	19700	17008	10100	10100	14111	14211	81845	81865	81877	11600	08080			25773	34992						
13	03204L	22160	58066	19700	19700	18015	10100	10100	21111	14211	81850	81857	81877	11600	07980			25769	34990						
14	03574L	22161	55466	19700	19700	17018	10100	10100	11191	12210	81835	81860						25782	34998						
15	04354L	22162	52866	19700	19700	14010	10100	10100	11111	12220	81830	81860						25688	34998						
16	04594L	22162	51466	19700	19700	99009	10100	10100	11111	12210	81840	81859						25782	34997						
17	05344L	22153	53766	19700	19700	17005	10100	10100	11111	12220	81850	81861						25674	34986	60085					
18	06134L	22141	56166	19800	19800	17012	10100	10100	11111	15111	81850	81858	81874	12110	62025	08080		25674	34986						
19	06504L	22131	59566	19800	19800	20008	10100	10100	19111	12210	81856	81861						25673	34988						
20	07314L	22120	60866	19800	19800	16006	10100	10100	11311	12210	81850	81858						25576	34990						

REMARKS

