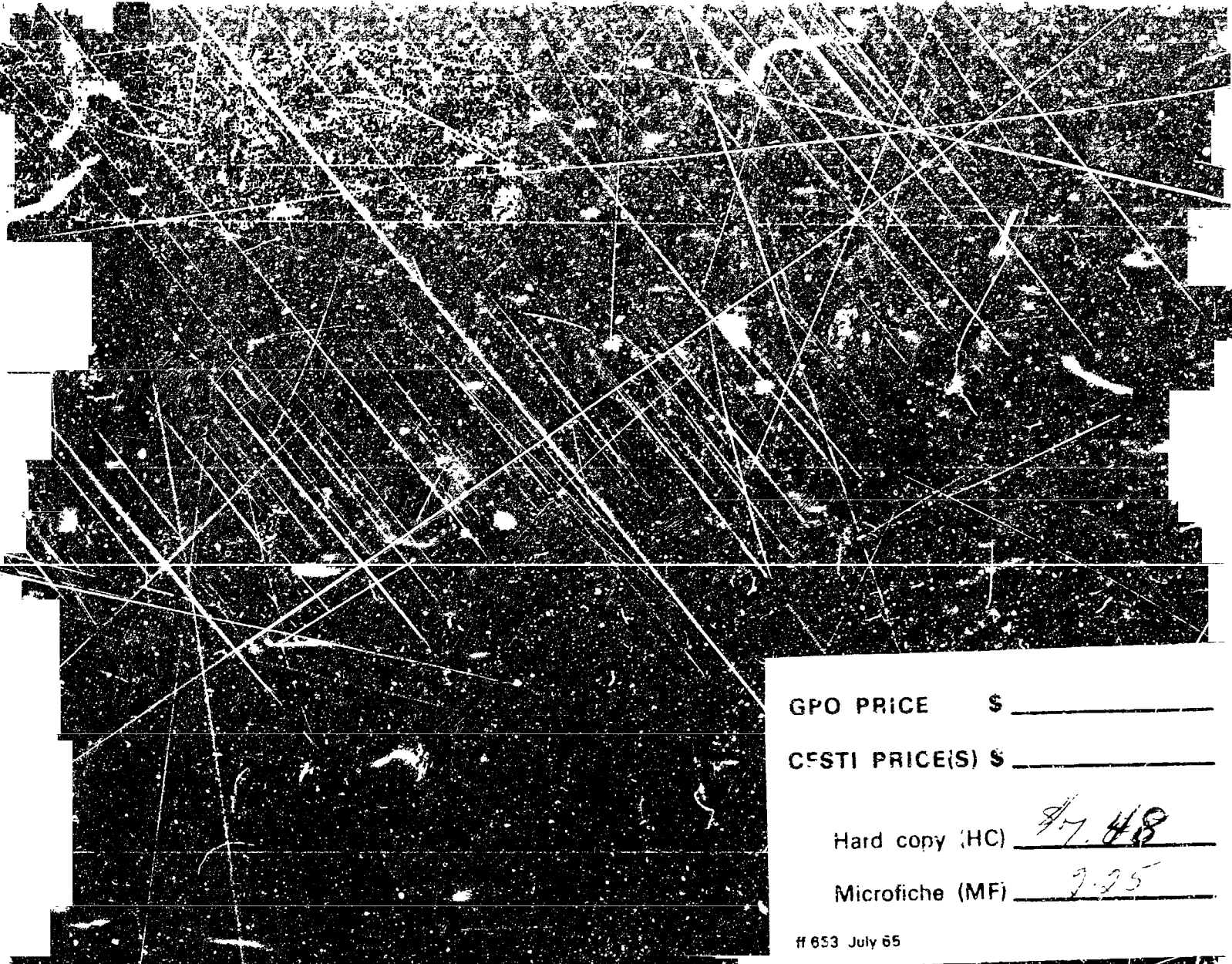

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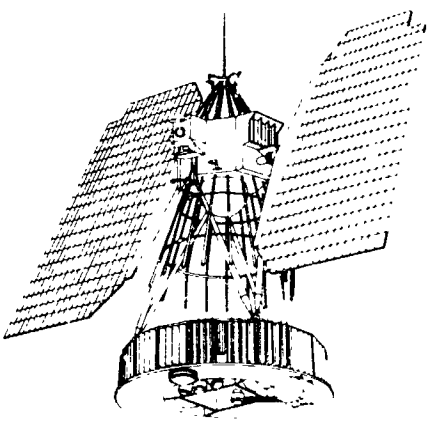
AVCS and APT

March 1965



Prepared by
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A Division of Allied Research Associates, Inc.

For the

Aeronomy and Meteorology Division

Goddard Space Flight Center

Greenbelt, Maryland

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FOREWORD

This combination catalog and users' manual documents the AVCS and APT television pictures acquired by the Nimbus I spacecraft during the period of 28 August through 22 September 1964. A companion publication, the Nimbus I High Resolution Radiation Data Catalog and Users' Manual documents the infrared data acquired by Nimbus I during the same period.

This manual provides potential users of the Nimbus AVCS data with a comprehensive description of the data obtained during the daylight portion of each orbit, illustrative examples of typical data and guides for use of the data. In publishing this document, the Nimbus Project has aimed at presenting to potential users, the capability of determining data of interest and the means to obtain the data. Comments from users on the catalog and on the data are solicited.

The preparation of this catalog was largely accomplished by the ARACON Geophysics Company, Concord, Massachusetts under Contract NAS 5-3253 with the Goddard Space Flight Center, NASA, Greenbelt, Maryland. The ARACON effort was under the technical direction of Mr. Bernard J. Trudell, Nimbus Project, Data Utilization Systems Manager, with the assistance of Mr. A. W. Cunningham and Mr. R. R. Drummond of the Aeronomy and Meteorology Division.

Harry Press
Nimbus Project Manager
Goddard Space Flight Center

ABSTRACT

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The Nimbus I spacecraft carried two television camera systems: the Advanced Vidicon Camera System (AVCS) and the Automatic Picture Transmission (APT) system. The Nimbus I Users' Catalog provides basic documentation required by potential research users of both the AVCS and APT television pictures including such supporting data as daily camera coverage and locations, times, and catalog numbers of the AVCS pictures.

The quantity of pictorial data acquired by Nimbus I prohibits publication or general distribution of all available pictures. To assist users in selecting data of greatest probable interest to them, significant meteorological and geographical features identified in the AVCS pictures are noted in the documentation.

Background information and terminology, illustrative examples of the AVCS and APT pictures, and procedures for requesting copies of the data are also included.

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I. INTRODUCTION

The Nimbus I meteorological satellite was instrumented to provide both day and night global coverage of the earth's cloud cover and surface features. Three sensing systems were used: the Advanced Vidicon Camera System (AVCS), the Automatic Picture Transmission (APT) system and a High Resolution Infrared Radiometer (HRIR) system. This catalog is concerned only with the AVCS and APT systems and their data. Analogous information applicable to the HRIR experiment will be found in the "Nimbus I High Resolution Radiation Data Catalog and Users' Manual," (References 1 and 2). Information concerning the Nimbus spacecraft and spacecraft system will be found in Reference 3.

It is anticipated that this catalog, which documents the television data and has been assembled to meet a variety of basic requirements, can be used to:

1. Provide picture documentation to those who may already have acquired some Nimbus I pictures;
2. Indicate the areas, times and frequency of coverage available in Nimbus I pictures;
3. Provide cursory information on picture content;
4. Illustrate some areas of application of available data;
5. Suggest some basic techniques for dealing with the data; and
6. Provide investigators the information necessary for obtaining Nimbus I pictures.

Nimbus I was injected into orbit on 28 August 1964 at 08 hr 52 min 00 sec, Universal Time (UT). The spacecraft performed successfully for 26 days. On 22 September 1964 a mechanical malfunction of the solar paddles occurred, reducing the power available to the spacecraft and making further useful operation of the scientific sensors impossible.

During the useful lifetime of Nimbus I, approximately 11,600 AVCS pictures were acquired, as documented in this catalog. Nearly 2,000 APT pictures were transmitted from the spacecraft. Approximately 1,600 APT pictures were known to have been acquired by local ground station facilities throughout the world.

The AVCS picture data is available from the National Aeronautics and Space Administration (NASA) and the U.S. Weather Bureau. The data has been formatted on 35 mm film and 8-1/2 by 11 inch film sheets by the U.S. Weather Bureau and are archived at the National Weather Records Center (NWRC). Copies of the data in the various standard formats can be obtained for production costs by writing to the NWRC. (For

details on how to order data from NWRC see Appendix E.) Unless otherwise requested, the NWRC will routinely provide cost estimates prior to filling orders.

In addition, limited quantities of the data in 70 mm format may be obtained by investigators without charge by writing to the Goddard Space Flight Center (GSFC), NASA experimenter. (For details on how to order from GSFC, NASA, see Appendix D.)

This catalog describes the NASA data formats, data handling and data documentation in Sections III, IV and V. The Weather Bureau documentation is cross referenced on the data log sheets in Section V and the standard formats described in Appendix E.

II. BACKGROUND INFORMATION

2.1 NIMBUS ORBITAL CONSIDERATIONS

2.1.1 Orbit

Nimbus I was launched from the Pacific Missile Range in California into a nearly sun-synchronous, relatively eccentric orbit with perigee and apogee at 423 and 933 kilometers, respectively. Immediately after launch, perigee was located at about 19 degrees north latitude on the dark side of the earth. The motion of perigee was approximately -3 degrees per day. Nimbus was northbound on the daylight side of the earth, crossing the equator near local noon. Orbital inclination was 98.7 degrees.

A complete set of the Nimbus I Mean Definitive Orbital Elements is provided in Appendix B.1.

2.1.2 Terrestrial Subpoints

The terrestrial subpoint of a satellite is the point where the local vertical through the satellite intersects the earth's surface. Spatial locations of a satellite can be conveniently described by the coordinates of the terrestrial subpoints and the satellite heights as functions of time. Listings of such data (ephemerides) are provided by the NASA computation center in the form of World Map Predictions and Station Acquisition Data (WMSAD).

Terrestrial subpoints may be plotted on any convenient map projection of the earth. A plot of successive terrestrial subpoints represents the terrestrial subpoint track. In this catalog terrestrial subpoint tracks are shown on Miller Cylindrical and Azimuth-Equidistant projections; the latter being particularly useful over polar regions.

2.1.3 Picture Subpoints

The picture subpoint is defined as the terrestrial subpoint of the satellite at the instant of picture taking (when the camera shutter is open). The three cameras of the Advanced Vidicon Camera System (AVCS) are programmed to take pictures simultaneously; thus all three pictures of a triplet have a common picture subpoint.

Normally, pictures do not occur at the specific times listed in the ephemerides. A two-dimensional linear interpolation in time and space is required for determining picture subpoints.

2.2 NIMBUS ATTITUDE

Nimbus was an earth oriented satellite and contained an active stabilization system which maintained a nearly constant attitude relative to the earth. The satellite was stabilized about a set of right-hand orthogonal axes (Figure 1). These axes are

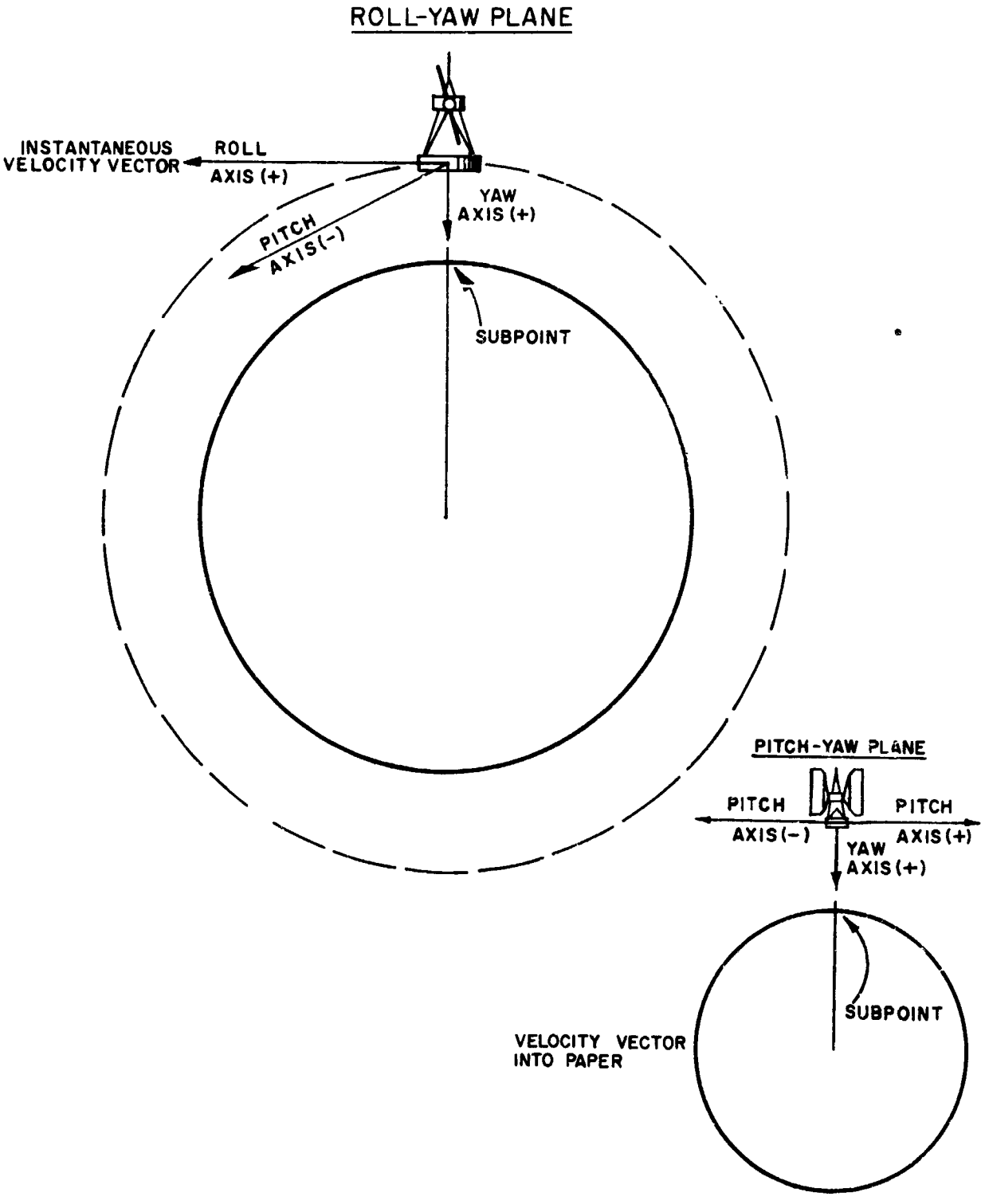


Figure 1–Nimbus Orbital Axes

defined as follows:

a. the yaw axis is the local vertical through the satellite,

b. the roll axis is in the direction of the velocity vector, and so lies in the orbital plane,

c. the pitch axis is perpendicular to both the yaw and roll axes.

Under ideally stabilized conditions, roll, pitch and yaw are zero. Actual deviations from idealized attitude were difficult to measure from processed telemetry data. These data were recorded separate from the pictures and are normally not available to general users of the AVCS data. During the Nimbus I usable lifetime the spacecraft attitude was generally within ±3 degrees from nominal attitude in all three axes. Occasionally, larger attitude deviations occurred during short time intervals. In some instances, attitude may be inferred from information contained in the televised images (Reference 4).

2.3 NIMBUS CAMERA CONFIGURATION

2.3.1 Advanced Vidicon Camera System

The Nimbus I Advanced Vidicon Camera System (AVCS) provided televised pictures of clouds in the earth's atmosphere and, in clear areas, terrestrial features on the earth's surface. These data were obtained only during daylight hours.

The AVCS consisted of three 800-line vidicon cameras and associated electronics. The central camera was oriented downward along the yaw axis (nominally the vertical) while each of the side cameras were mounted in the yaw-pitch plane at an angle of 35 degrees to the central camera. Figure 2 shows schematically the geometric relations of the camera orientations.

Design specifications called for each of the three cameras to have identical characteristics within the present state of the art. Table I lists the nominal optical values of the AVCS.

TABLE I
AVCS Optics

Item	Nominal Value
Focal Length	16.5 mm
Effective Focal Length	76.0 mm
Acceptance Angle	36.5 degrees

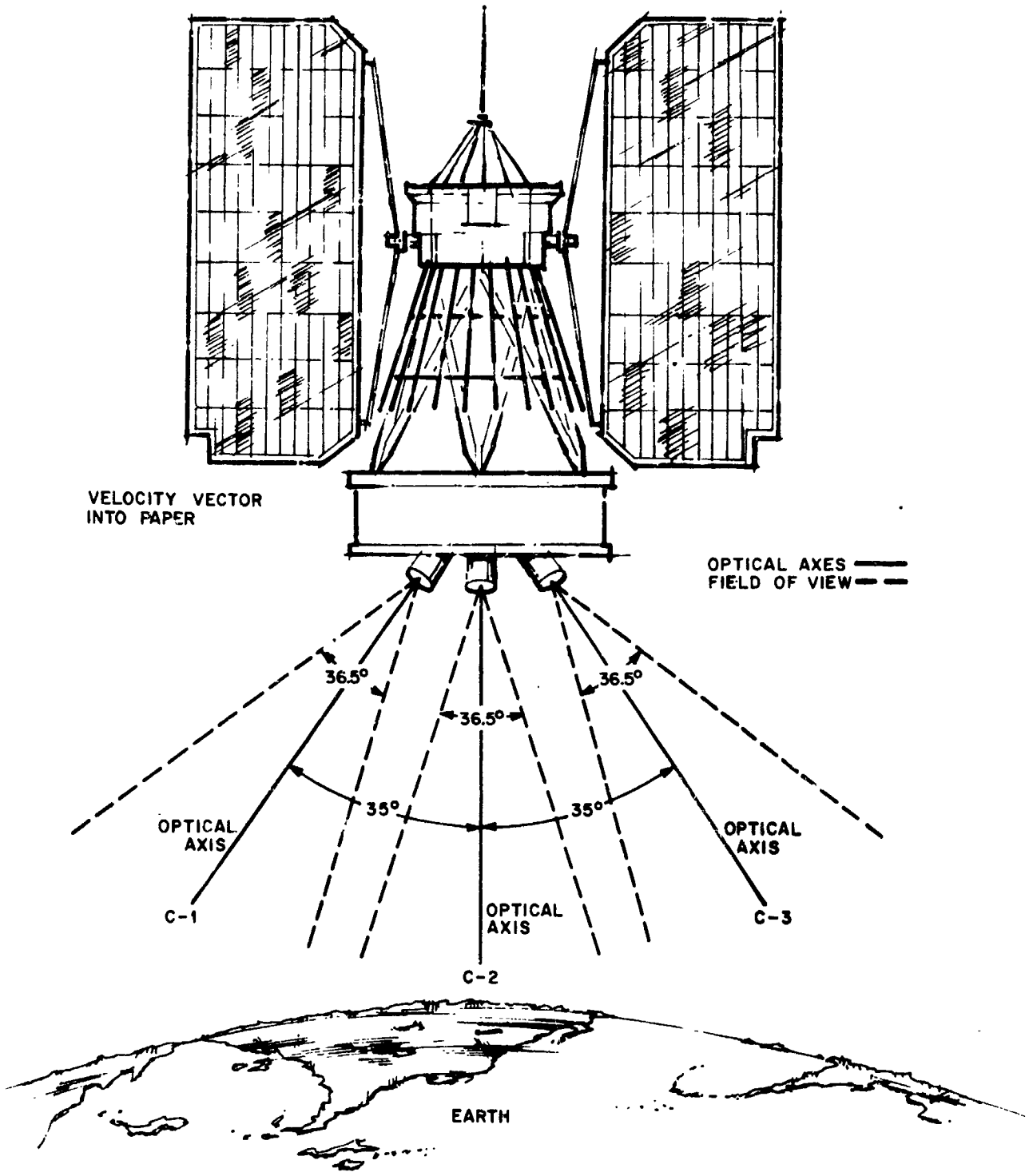


Figure 2–Schematic of Camera Optics

Sets of three simultaneous pictures (triplet) were programmed to be taken automatically at nominal 91 second intervals on the daylight side of the earth while the satellite was heading from south to north. The above picture time interval was selected to permit overlap between successive triplets at the desired 500 nautical mile (925 km) orbital altitude. However, the achieved orbital altitude was lower (see Section 2.1.1 and Appendix B.1) than the desired altitude and picture overlap was not obtained between all successive triplets.

Pictures were stored on magnetic tape in the satellite (direct readout facilities also existed) and were transmitted to either of two Data Acquisition Facilities (DAF) upon ground command. The Nimbus I Data Acquisition Facilities were located at Rosman, North Carolina and Gilmore Creek (near Fairbanks), Alaska. Wide band communication links were established from each DAF to Goddard Space Flight Center at Greenbelt, Maryland.

At Goddard Space Flight Center the pictures were recorded on 70 mm film. Separate film strips for each of the three Nimbus cameras contained all the sequential pictures from a single camera, thus three aligned film strips are required to display the data in the triplets in their proper relative orientations.

A matrix of 25 fiducial marks (Figure 3) is superposed on each film image. These fiducial marks were originally inscribed on the face of each satellite vidicon so that each fiducial represents a definite physical location on the original image plane. The central fiducial, indicated by a cross (+), represents the point where the camera axis intersects the image plane, the picture principal point. The term principal point also refers to the intersection of the camera axis with the earth's surface, with little confusion resulting from this dual use. It is to be noted that, for ideal attitude, the principal point of the center camera corresponds to the picture subpoint defined in Section 2.1.3.

2.3.2 Automatic Picture Transmission System

The Automatic Picture Transmission (APT) system was designed to permit meteorologists to obtain timely satellite cloud pictures covering their immediate area of responsibility. This was achieved by continuous narrow-bandwidth broadcasts of pictures in a format suitable for facsimile reproduction. Previous experience with meteorological satellite pictures had indicated the necessity and value of permitting the meteorological analyst to examine, in real time, the actual satellite picture in lieu of artificial or schematic representations.

Direct local readout avoids the problems of re-transmission of pictures, elaborate communication equipment and networks, degradation of pictorial information content, and the inevitable communication delays which diminish the value of perishable weather information.

The Nimbus I APT camera consisted of a wide angle Tegea lens (5.7 mm focal length) with a 108 degree diagonal field of view and a special 800-line vidicon. The camera is oriented along the yaw axis. Picture scanning rate is four lines per second. Approximately 200 seconds are thus required to complete one picture scanning sequence.

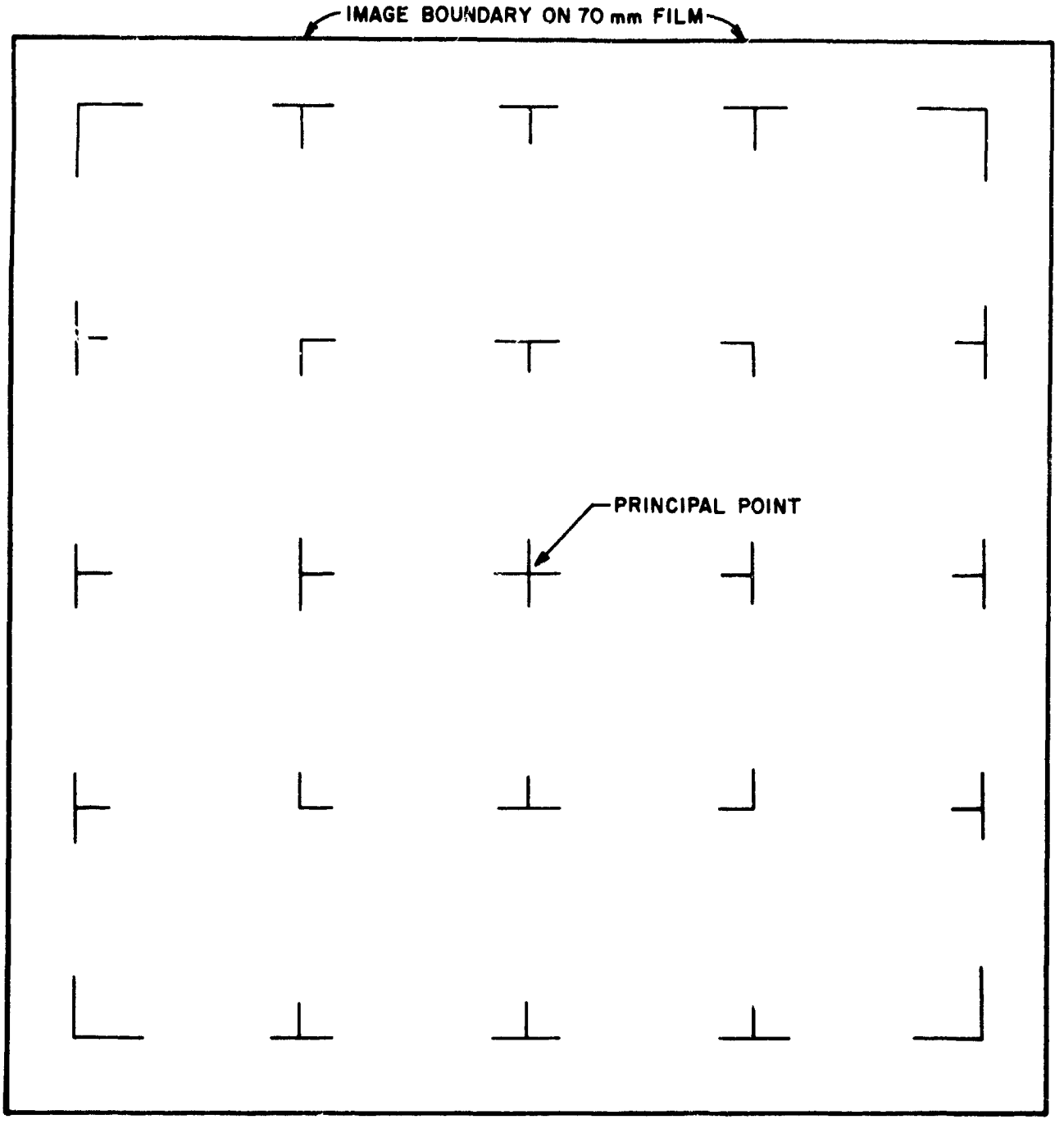


Figure 3–Nimbus AVCS Fiducial Matrix
(This display is enlarged approximately three times the actual image size)

An additional eight seconds are required for phasing, start tones and peripheral electronic chores so that the APT picture taking interval is a nominal 208 seconds.

A continuous broadcast of scanned pictorial information was transmitted from the satellite. This broadcast was available to any activity within satellite acquisition range equipped with the appropriate receiving and recording equipment.

Standard terminal ground equipment includes a facsimile recorder modified for continuous-tone reproduction. At least ten levels of gray can be resolved in the pictures.

A more complete discussion of the APT system may be found in Reference 5. Data handling and geographic referencing techniques may be found in the APT U ... Guide (Reference 6).

III. DOCUMENTATION FORMATS

3.1 GENERAL

Documentation of Nimbus I pictorial data is arranged chronologically. Pictures are organized by Universal Time days. Within each Universal Time day the data are listed sequentially by orbit number.

During the real time Nimbus I experiment some stored AVCS pictorial data were not received sequentially in picture taking order. This was caused by the frequent inability to complete a full satellite interrogation within short acquisition periods during certain orbital passes, especially when perigee was in the vicinity of the Gilmore Creek, Alaska tracking station. However, pictures have been manually transposed, as necessary, to provide to the potential user an orderly space-time sequence of contiguous information.

APT data are discussed separately in Section 3.2.3.

3.2 PICTORIAL COVERAGE MAPS

Areas of the earth viewed by Nimbus I are presented on two series of maps: AVCS Daily Coverage Maps and Polar Coverage Maps. Since no single map projection is completely suitable for displaying the entire earth, two different map projections were required to adequately show AVCS coverage. A second consideration for the choice of maps was to preserve both data contiguity and maximize legibility within the restricted space limitations of this catalog.

AVCS Daily Coverage Maps include data for an entire day. Polar coverage maps display the north and south pole of areas covered in a single daylight swath. A daylight swath is the contiguous pictorial coverage during a single orbit, in the illuminated portion of the earth's surface.

The relation between daylight swath and data orbit as used in this catalog is straightforward. Most AVCS picture sequences started near the south pole. As the satellite travelled northward over the daylight portion of the earth, successive pictures were taken over the southern hemisphere, across the equator and over the northern hemisphere, the last picture being taken in the vicinity of the north pole.* Thus, each picture sequence normally commenced on one orbit and ended on the following orbit, since by convention, satellite orbit numbers start at ascending node (northward equator crossing). Obviously, most daylight coverage swaths include portions of two consecutive orbits.

*The limits of the picture taking sequences were not exactly the north or south poles, but rather the transitions from earth night to earth day in south polar regions and from earth day to earth night in the north polar regions. These illuminated boundary limits vary over an annual cycle.

AVCS coverage is shown on the coverage maps by shaded areas. For simplicity, pictorial coverage is indicated as a continuous swath. Actually, in most cases no overlap existed between successive triplets except in the extreme corners of cameras 1 and 3. Missing areas between triplets were rather small so that mapping these gaps is not readily feasible. However, in those instances where one or more frames within a triplet was lacking, a discontinuity in the swath is shown to indicate either missing or no pictorial data.

Width of the coverage swath varies along the orbit. This variation was caused by the change in satellite altitude during the orbit. In general, the swath width is greatest near high southern latitudes, corresponding to the segment of the orbit through which apogee was progressing during the usable lifetime of Nimbus I. Maximum AVCS swath width was about 1555 km (14.0 degrees of terrestrial great circle arc). Minimum swath width in the vicinity of perigee was about 600 km (5.4 degrees of great circle arc).

All coverage swaths were plotted assuming a nominal Nimbus attitude. Variations in coverage resulting from spacecraft pitch, roll or yaw fluctuations were for the most part quite small and are neglected throughout the catalog.

3.2.1 AVCS Daily Coverage Maps

The AVCS Daily Coverage Maps are arranged chronologically (with interspersed documentation) by International Day from 28 August 1964 through 22 September 1964. This time span includes the entire usable lifetime of Nimbus I. The appropriate date and inclusive orbit numbers appear in the headings of each map.

A Miiler Cylindrical projection is used to show AVCS daily coverage (see Figure 4). The map extends from 85 degrees south through 85 degrees north latitude. Longitude span is 400 degrees from 160 east to 160 west providing 40 degrees overlap at the map extremities. Ten degree latitude-longitude lines are shown on the map. Dots represent two degree intervals of latitude and longitude. Latitudes are labeled at twenty degree intervals from the equator at the left margin only. Longitudes are also labeled at twenty degree intervals at the bottom and top of the map.

The right hand map margin is labeled (numerals not shown on Figure 4) in terms of a convenient time reference (Minutes From Ascending Node) and should not be confused with latitude. Use of the above time reference is discussed in Section 4.3.2.2.

Significant land masses and inland water bodies are outlined on the maps. The user should be particularly aware of the severe landform distortion at latitudes greater than 70 degrees, i.e., observe the apparent expanse of Antarctica.

Segments of successive terrestrial subpoint tracks for the appropriate day are shown by a solid line on each AVCS Daily Coverage Map. Orbit numbers are labeled at the equator. By convention, the orbit number is increased by one as the satellite crosses the equator from south to north. The orbit number on these maps apply to the segment of the subpoint track north of the equator. The AVCS coverage swath is superposed on

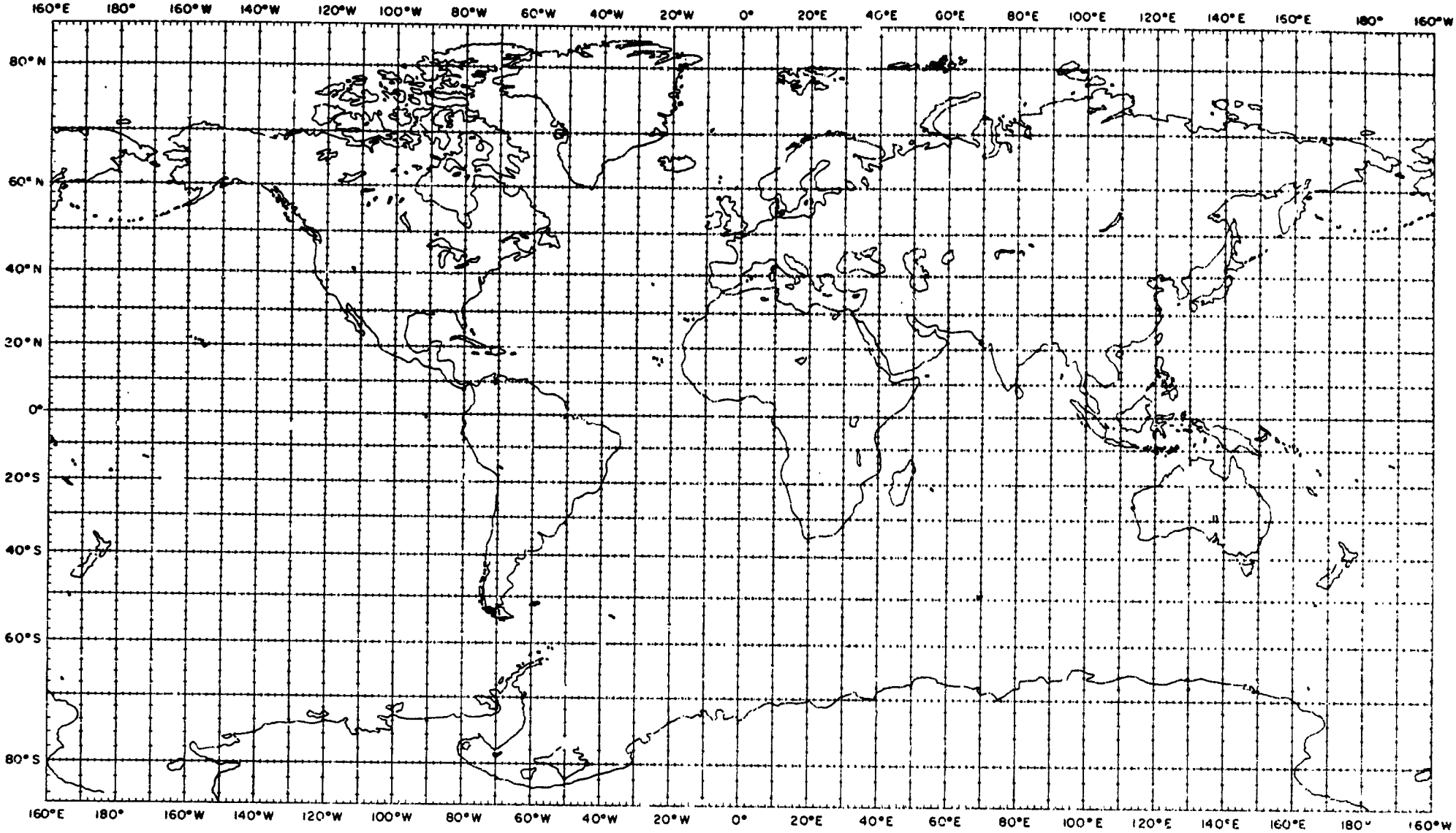


Figure 4–Miller Cylindrical Projection

the subpoint track. No attempt has been made to delineate coverage swaths by individual orbit at high latitudes. Polar Coverage Maps should be inspected to determine AVCS coverage more clearly for each orbit at higher latitudes.

3.2.2 Polar Coverage Maps

Immediately following each AVCS Daily Coverage Map in Section 5 are a number of pages, each of which contains a series of eight Azimuth-Equidistant map projections (Figure 5). The top row of four maps cover north polar regions. South polar regions are represented on the lower row. Each map extends from pole to 70 degrees latitude. Concentric circles represent five degree latitude increments. Radials are ten degree longitudes. Five degree longitudes are indicated by hatch marks to assist interpolation. Arctic and antarctic geography is outlined. Permanent ice shelves, to the extent of present day knowledge, are considered part of land masses.

The Polar Coverage Maps are arranged in vertical pairs to simulate the extreme areas of one daylight swath. Thus, the northern map of any vertical pair is always labeled one data orbit greater than its corresponding southern hemisphere map. See any Polar Coverage Map in Section 5 for a typical superposed data display.

As on the AVCS Daily Coverage Maps, the terrestrial subpoint track on each polar map is indicated by a solid curve. Hatch marks on the track represent two minute reference marks measured from the ascending node. The applicable ascending node time reference corresponds to the data orbit of the north polar map. The south polar times are thus times before the ascending node.

AVCS coverage is delineated by shaded areas. Note the greater extent of the swath width (approximately a factor of two) on the southern polar map as compared to the swath width on the corresponding northern polar map. On some south polar maps, the coverage exceeds the map limits and is not shown. AVCS coverage at latitudes less than 70 degrees can be found on the Daily Coverage Maps.

3.2.3 APT Data

Detailed APT coverage is not shown in this catalog. The APT signal was available to anyone who had the appropriate terminal equipment. Since a number of activities were not associated with NASA operated receivers, maintaining comprehensive records of actual picture acquisitions was not feasible. However, the time periods during which the APT system was "on" and data were potentially available to users are indicated on the coverage maps by a wide line superposed on the terrestrial subpoint tracks.

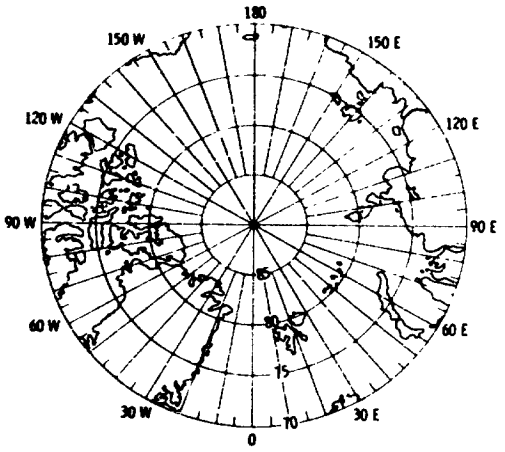
A list of APT ground stations is included in Appendix F. For information concerning the possible availability of APT data the user should contact the agencies supervising the various APT ground stations. A list of known addresses is also included in Appendix F.

3.3 AVCS DATA LOGS

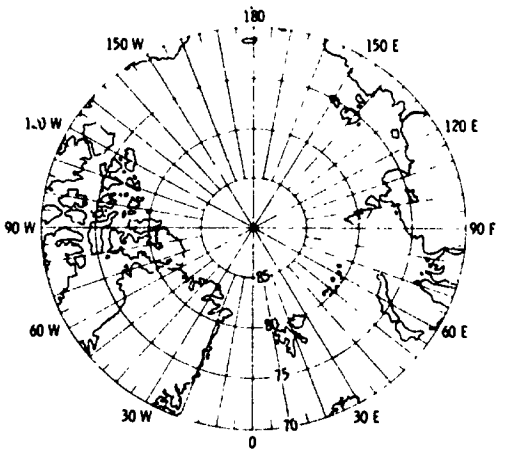
In Section 5, the associated AVCS Data Logs follow each set of daily coverage maps. Logs are arranged sequentially by daylight swath for all periods during which

NORTH POLAR REGIONS

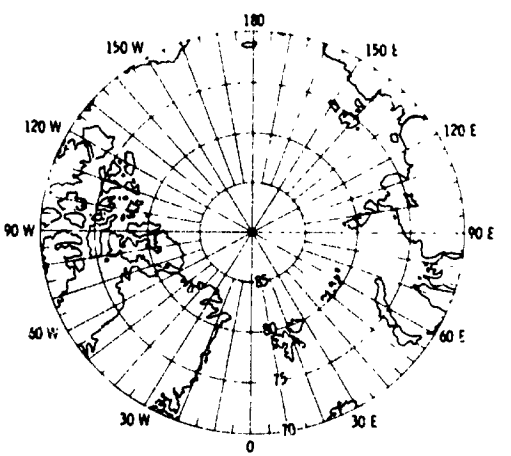
DATA ORBIT



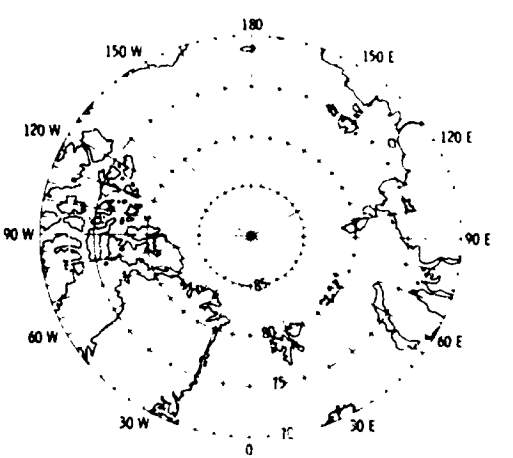
DATA ORBIT



DATA ORBIT

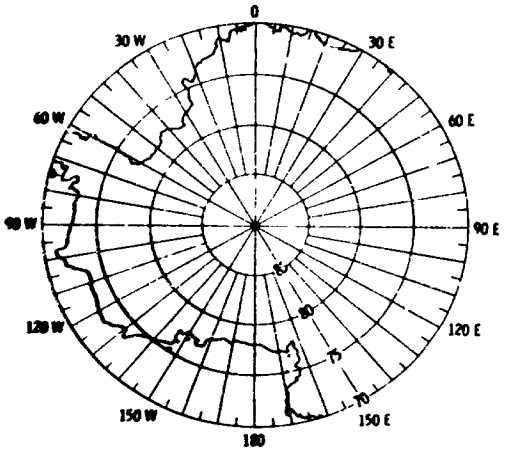


DATA ORBIT

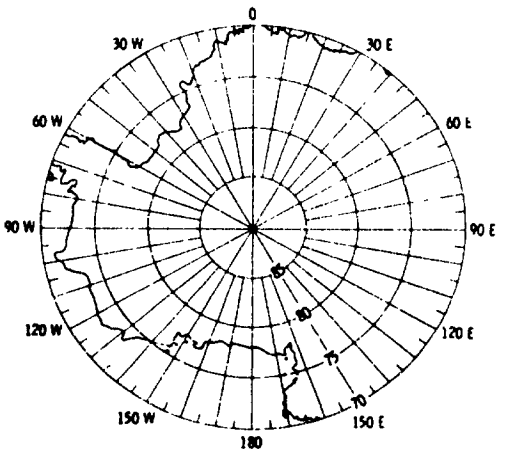


SOUTH POLAR REGIONS

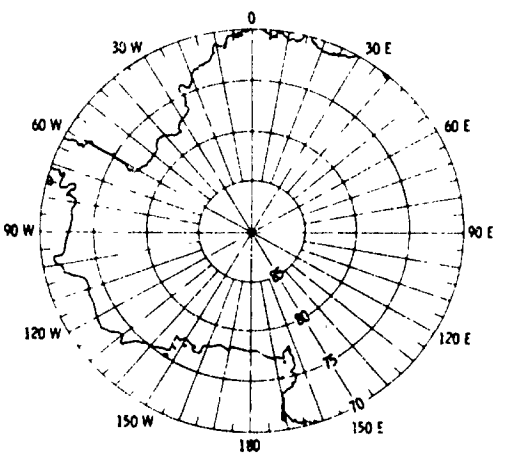
DATA ORBIT



DATA ORBIT



DATA ORBIT



DATA ORBIT

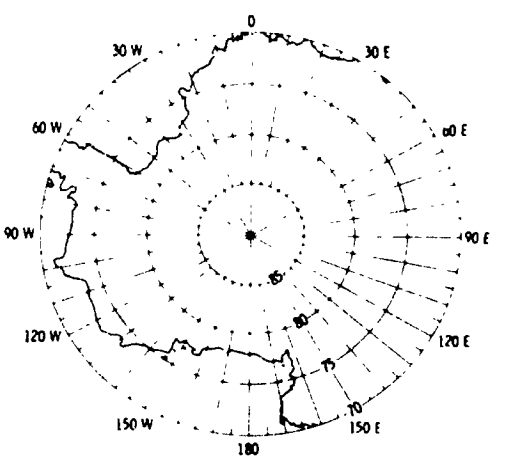


Figure 5–Azimuth-Equidistant Projections

pictures were taken as indicated on the corresponding coverage maps. The log for each daylight swath occupies a separate page.

Although logs are sequenced by daylight swath to preserve the meteorological and geographical contiguity of the data, they are labeled by DATA ORBIT.* The latter notation is necessary for retrieval and for computer calculation of orbital data required to support the pictorial data.

Accordingly, in the upper right hand corner of each AVCS Data Log (Figure 6) the numbers of the two Data Orbits for the daylight swath are stated in the form x/x+1. This data block also includes the date; the time of the ascending node in hours, minutes, second, (UT); and the longitude of ascending node stated in degrees and hundredths, east or west.

The upper left hand corner of the Data Log contains a cross reference to the U.S. Weather Bureau system of archiving Nimbus I data. Information concerning the U.S. Weather Bureau nomenclature, archiving and documentation is presented in Appendix E.

Within each log the documentation data are grouped by triplets (the data for the three frames of a triplet occupy three consecutive lines); each third horizontal line is accentuated to separate the information for successive triplets. The three-line groups for the triplets are then presented sequentially in the vertical, with time increasing from the bottom to the top of the page. This format is used to allow north and south to correspond conventionally to the top and bottom, respectively, of the page.

The data in the nine vertical columns of the log are, from left to right:

CATALOG NUMBER

The key to be used when ordering pictures or picture sequences from the National Aeronautics and Space Administration. See Appendix D for detailed instructions.

INDEX FRAME

A sequential listing of successive triplets obtained during a single daylight swath. The numbers appearing in this column are intended primarily for storage and retrieval housekeeping purposes. This Index Number is not necessarily the same number as that marked "Frame" in the picture legend (See Section 4.2). The time intervals between the pictures with successive index numbers are not necessarily constant.

*It is to be noted that the term data orbit refers to the orbit on which the vidicon camera took the picture. Data orbit is frequently different from the interrogation or readout orbit, i.e., the orbit during which the data were transmitted from the spacecraft to a DAF.

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION

DATA ORBIT _____ _____
DATE ___ _____ ___ _____ 1964
ASC. NODE _____ _____ UT
_____ _____ _____ _____ LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS

Figure 6–AVCS Data Log Format

An asterisk following an Index Frame number indicates a frame of the triplet is missing.

INDEX TIME (UT)

The time code appearing on each picture legend. The user is cautioned that this time notation may be incorrect; however, known errors have been corrected during the preparation of the logs. Times are stated in hours, minutes, seconds; Universal Time (effectively Z time).

MINUTES FROM ASCENDING NODE

Index time expressed in Minutes From Ascending Node. A negative time notation here refers to southern hemisphere data. The time of ascending node appears in the upper right hand corner of each log page.

HEIGHT

Satellite height, in kilometers, at picture time.

SUN ANGLE

Elevation angle of the sun measured from the picture terrestrial subpoint.

CAMERA

Camera number identifier. See Section 2.3.1 and Figure 2.

GEOGRAPHIC FEATURES

A summary of significant geography visible in the pictures. Where contiguous parts of large geographic areas appear in adjacent frames or triplets the horizontal lines of this column have been blocked out to draw attention to the extent of the feature (see Figure 7). Significant features appearing only in a single camera frame are referenced to that frame by retention of the horizontal lines.

METEOROLOGICAL CONTENTS

Brief descriptions of the significant meteorological content of the swath. Descriptive information is by no means complete, but is intended primarily as a guide to potential users to aid in selecting those portions of the data of greatest probable interest to them.

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 6

DATA ORBIT 118/119
DATE 5 September 1964
ASC NODE 10 33 54 UT
15 66 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGLE	CAM	GEOGR&PAL FEATURES	METEOROLOGICAL CONTENTS
1-119-60369	1	10 57 50	+23.9	519	8	1		
	1					2	Greenland & Ellesmere I.	MOSTLY CLEAR Some Thin Clouds
	1					3		
2-119-60369	2	10 56 19	+22.4	539	14	1		
	2					2	GREENLAND	
	2					3		
3-119-60369	3	10 54 48	+20.9	559	20	1		
	3					2		
	3					3		
4-119-60369	4	10 53 17	+19.4	580	26	1		
	4					2		FRONTAL BANDS Vortex Vicinity 58 N Eddies
	4					3		
5-119-60369	5	10 51 46	+17.9	602	31	1		
	5					2		
	5					3	Norway, Snow Covered Mts.	
6-119-60369	6	10 50 15	+16.4	625	37	1		
	6					2		
	6					3	Norway, Snow Covered Mts.	
7-119-60369	7	10 48 44	+14.8	648	43	1		
	7					2	England, The Wash	
	7					3		
8-119-60369	8	10 47 13	+13.3	671	48	1	Bay of Biscy	
	8					2		
	8					3		
9-119-60369	9	10 45 42	+11.8	694	53	1	Spain, Ebro River	
	9					2	Spain	
	9					3	Italy	
10-119-60369	10	10 44 11	+10.3	717	58	1	Algeria - Morocco Cst.	
	10					2	Algeria Cst.	MOSTLY CLEAR Some Cu
	10					3	Tunisia & Sicily	
11-119-60369	11	10 42 40	+ 8.8	741	64	1		
	11					2	AFRICA	
	11					3	Sahara	
12-119-60369	12	10 41 09	+ 7.3	763	70	1	Congo, Zambezi, Cuito & Cuando Rivers	
	12					2	Lakes Kariba & Ngami	
	12					3	Okavango Swamps	
13-119-60369	13	10 39 38	+ 5.7	785	75	1	Etosha Pan	
	13					2		
	13					3		
14-119-60369	14	10 38 07	+ 4.2	806	79	1		
	14					2		CUFM Cb Cifs Fog/St at Mouth of Congo River Streets Fibrous
	14					3		
15-119-60369	15	10 36 36	+ 2.7	827	83	1		
	15					2		
	15					3		
16-119-60369	16	10 35 05	+ 1.2	847	83	1		
	16					2		
	16					3		
17-119-60369	17	10 33 34	- 0.3	865	80	1		
	17					2		
	17					3		
18-119-60369	18	10 32 03	- 1.9	882	76	1		
	18					2		
	18					3		
19-119-60369	19	10 30 32	- 3.4	898	71	1		
	19					2		MOSTLY CLEAR Some Small Cu St along Cst.
	19					3		
20-119-60369	20	10 29 01	- 4.9	911	66	1		
	20					2		
	20					3		
21-119-60369	21	10 27 30	- 6.4	923	61	1		
	21					2		
	21					3		
22-119-30369	22	10 25 59	- 7.9	934	56	1		
	22					2		
	22					3		
23-119-60369	23	10 24 28	- 9.4	942	51	1		
	23					2		
	23					3		
24-119-60369	24	10 22 57	-11.0	948	46	1		
	24					2		FRONTAL BANDS Vortex Vicinity 52 S
	24					3		
25-119-60369	25	10 21 26	-12.5	952	41	1		
	25					2		
	25					3		
26-119-60369	26	10 19 55	-14.0	953	36	1		
	26					2		
	26					3		
27-119-60369	27	10 18 24	-15.5	953	31	1		
	27					2		
	27					3		
28-119-60369	28	10 16 53	-17.0	949	26	1		
	28					2		
	28					3		
29-119-60369	29	10 15 22	-18.5	944	20	1		
	29					2		
	29					3		
30-119-60369	30	10 13 51	-20.1	937	15	1		
	30					2	ANTARCTICA	APPARENT CLOUDS
	30					3		
31-119-60369	31	10 12 20	-21.6	927	10	1		
	31					2		
	31					3		
32-119-60369	32	10 10 49	-23.1	914	5	1		
	32					2		
	32					3		

Figure 7--Sample AVCS Data Log

IV. SUGGESTED DATA UTILIZATION PROCEDURES

4.1 SCOPE

Previous sections of this catalog have described the Nimbus I AVCS and APT systems, and have provided various background concepts vital to the use of the data the systems can provide. Preceding sections have also described the formats of the documentation applicable to these data.

Before providing the documentation per se (see Section 5), it may be helpful to many potential novice users to briefly discuss the formats of the pictures themselves, the geographical referencing grids used with the pictures, methods of selecting cases applicable to the specific interests of the users and to suggest possible techniques for the display of these data.

4.2 AVCS PICTURE FORMAT

Nimbus I AVCS pictures are available to research personnel from the National Aeronautics and Space Administration in 70 mm transparencies or paper copies (see Appendix D). An alternate format, described in Appendix E, can be supplied by the U.S. Weather Bureau. Descriptive material which follows refers only to data available from the National Aeronautics and Space Administration.

Figure 8 shows the AVCS format. Successive pictures from each camera are presented on separate 70 mm film strips. Each AVCS picture includes an image area slightly less than two inches square, a gray scale adjacent to the image area and an index legend.

Each image area contains 25 fiducial marks (see also Section 2.3.1 and Figure 3) designed to permit quantitative photogrammetric use of the data.

Index legend data provide identifying information for the associated image. The user must be cautioned that certain discrepancies will sometimes exist between index legend information and corresponding data in the AVCS Data Logs. Data contained in the AVCS logs reflect corrections to the data in the index legend. The index legend is thus used primarily as an image identifier. Attention should be paid to the significance of the notation in the following description of the index legend information:

LEGEND-IMAGE CORRESPONDENCE

An arrow appears at each end of the picture legend. The arrows are directed towards the picture to which the legend information corresponds. It will be seen that this is the picture normally farthest from the legend.

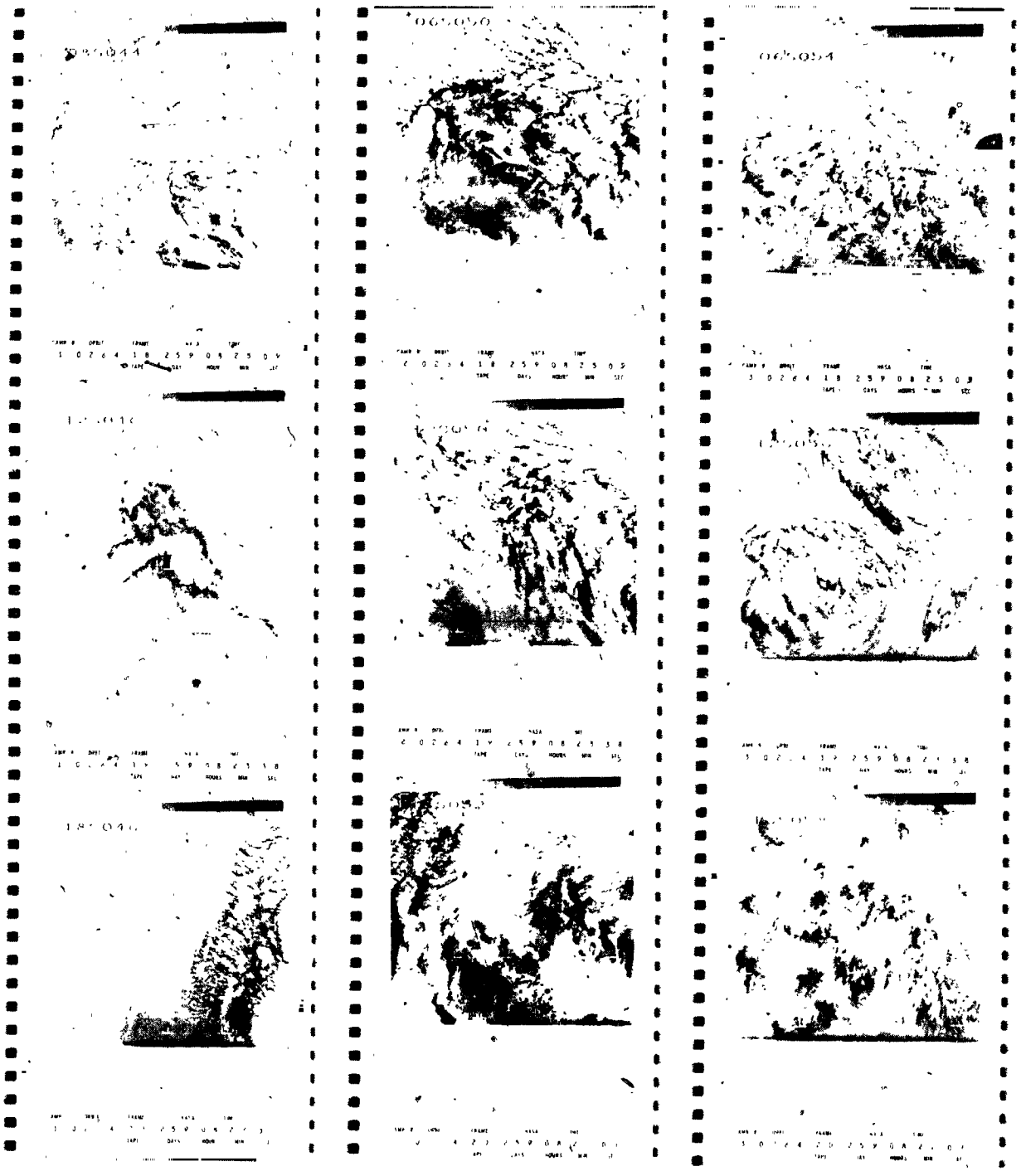


Figure 8–AVCS Film Strip Format

CAMR

Abbreviation for camera number identifier as described in Section 2.3.1 and illustrated in Figure 2. The digit "1," "2" or "3" appears directly below the abbreviation to identify the camera system through which the scene was photographed.

The letter "A," "B" or "C" appears on the same line and immediately following the camera abbreviation on the index legend. This letter is used for ground station housekeeping and should be ignored by the user.

ORBIT

A four digit number indicating the interrogation (readout) orbit during which the pictorial data were transmitted to the ground station. This orbit number is frequently not the orbit on which the picture was actually taken.

FRAME

A picture frame identifier affixed during interrogation. This frame identifier is not indicative of the real-time picture sequence nor is there necessarily correspondence between this frame number and the Index Frame listed in the AVCS Data Logs.

NASA

National Aeronautics and Space Administration identifier of the source of the data.

TIME

The picture timing code consisting of four data blocks. The first block of three digits represents the calendar day and can be interpreted by reference to Table II. The following three blocks of two digits each represent picture time in hours, minutes and seconds of Universal Time. Time code blocks are identified beneath the digital information.

Picture time codes are intended to refer to the picture taking rather than the data readout times. Time code information may be in error, especially near the start and end of picture sequences. Known errors have been corrected in preparing the AVCS Data Logs.

DIRECT/TAPE

The picture taking mode indicator. Direct pictures can be acquired only within the interrogation range of a DAF antenna. These pictures by-pass the Nimbus on-board tape recording system and are telemetered directly to the ground.

Tape mode pictures are stored on video tape in the spacecraft and subsequently readout on command when the satellite comes within communication range of a DAF. Nearly all of the Nimbus I AVCS pictures are from the tape mode.

4.3 GEOGRAPHIC REFERENCING OF AVCS PICTURES

Geographic referencing (gridding) of the data requires establishment of the correspondence between points in the object scene (surface of the earth) and those in the image plane (AVCS pictures). This is facilitated by perspective latitude-longitude grids superposed on the AVCS image.

Most AVCS pictures available from the National Aeronautics and Space Administration will be provided in gridded form. In some instances, however, it has not as yet been possible to grid the pictures.

The remainder of this subsection first describes the AVCS grids and then discusses briefly manual gridding techniques which can be applied by the user, with references to fuller descriptions of those techniques.

TABLE II
Calendar Day vs. Date (1964)

Calendar Day	Date (1964)
241	28 August
242	29 August
243	30 August
244	31 August
245	1 September
246	2 September
247	3 September
248	4 September
249	5 September
250	6 September
251	7 September
252	8 September
253	9 September
254	10 September
255	11 September
256	12 September
257	13 September
258	14 September
259	15 September
260	16 September
261	17 September
262	18 September
263	19 September
264	20 September
265	21 September
266	22 September

4.3.1 Gridded Pictures

4.3.1.1 Grid Format

AVCS grid points are electronically integrated with the video signal at the ground station. Each grid point consists of a short series of black and white picture elements, so chosen that the grid point is visible regardless of the background gray level or the picture polarization (negative or positive).

Figure 9 illustrates the AVCS perspective latitude-longitude grids. The discrete grid points form grid lines. All latitude grid lines are at two degree intervals. Longitude gridding intervals vary from the equator to the pole, since a two degree longitude interval carried to the pole would all but obliterate the data. Table III shows the longitude gridding interval as a function of the latitude of the grid annotation arrowhead (discussed in the following section).

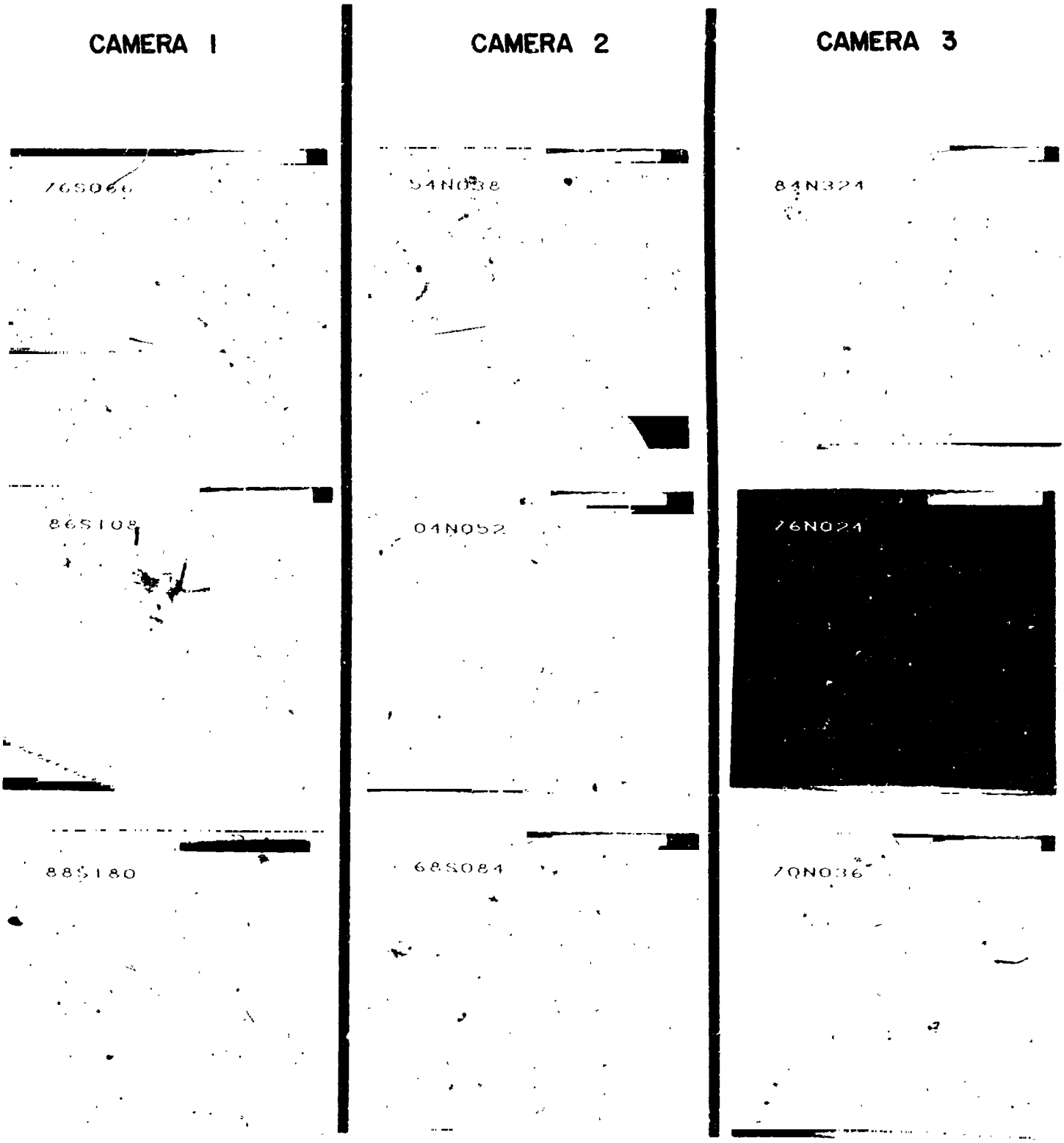


Figure 9–Sample AVCS Grids

4.3.1.2 Grid Annotation

An arrowhead appears at a latitude-longitude intersection somewhere near each picture center. The arrow points to the north. The latitude of this intersection also determines the longitude grid interval of the picture in accordance with Table III.

The latitude and longitude of the grid line intersection at the arrowhead appears in the upper left corner of the image area as six digits. Latitude is indicated by the first two digits. The third digit indicates the hemisphere, "N" for northern or "S" for southern. Longitude is given by the last three digits as 000 through 360 degrees EAST. West longitudes are never used in the AVCS grids.

TABLE III
Longitude Gridding Intervals

Latitude (Degrees)	Longitude Interval (Degrees)
0-59.99	2
60-79.99	6
80-84.99	18
85-90*	36

*Exception: Any frame containing the pole is gridded in longitude at 36 degree intervals only.

Additional information on these matters and an enlarged example of an AVCS grid are given in Appendix A.1.16.

4.3.2 Ungridded Pictures

Some of the AVCS pictures do not contain superposed latitude-longitude perspective grids. Lack of grids does not, however, prevent determination of geographic locations by the user. The accuracy desired between image and object points should dictate the techniques to be used and the effort required. Camera 2 pictures are free of serious perspective problems and are relatively simple to locate and/or grid. The camera 1 and 3 pictures require rectification as well as location. Rectification techniques are described in Reference 4.

4.3.2.1 Location Using Landmarks

Clearly identifiable landmarks in the AVCS pictures permit immediate location. With sufficient landmarks latitude-longitude coordinates can be plotted directly on the image and grid lines can be drawn. A greater number of identifiable landmarks are required for gridding images from cameras 2 and 3 due to the perspective. Figure A-32 in the Illustrative Example appendix contains a manual (and electronic) grid using this technique.

4.3.2.2 Location Using Picture Time

Coverage maps appearing in this catalog were devised to assist the user in approximating the picture location when no grids or identifiable landmarks are available in the

image area. The information required is the data orbit and the picture time, both of which are given in the AVCS Data Logs.

Picture time determines the location along the appropriate subpoint track. To avoid burdensom calculations it is most convenient to use picture time expressed as minutes from ascending node. This time reference appears along the right margin of all AVCS Daily Coverage Maps, and as two minute hatch marks on the terrestrial subpoint tracks of the Polar Coverage Maps. The same time reference appears in the AVCS Data Logs.

Determination of minutes from ascending node is accomplished by simply subtracting ascending node time (UT) from picture time (UT). The ascending node to be used is that which appears in the upper right hand corner of the AVCS Data Log documenting the picture of interest. Note that negative time referenced to ascending node implies southern hemisphere data. Following the above procedure the picture taking time now locates the spacecraft position (picture subpoint) on the coverage map.

Coverage swaths mark the "east-west" limits of view of any AVCS triplet. The coverage of individual frames is not shown unless one of the three frames is missing. As a first approximation, the "north-south" latitudinal coverage of a triplet can be determined by drawing perpendiculars to the terrestrial subpoint track midway between successive (91 seconds) picture taking times.

If greater accuracy is required for picture limit delineation and/or for the removal of perspective effects in the images consult Reference 4.

4.4 DATA SELECTION

Documentation for the Nimbus I data has been organized in a form which can often minimize the need for film scanning. This is particularly true for potential users with relatively specific interests. On the other hand, many users may prefer to scan the Nimbus pictures to select cases of interest. This catalog was designed to meet such differing requirements.

4.4.1 Coverage Maps

Some users will be interested only in data for particular times and/or areas. The coverage maps will enable them to determine which data meet these requirements without troubling to order or scan all the AVCS pictures. Frequency of coverage can likewise be determined from the coverage maps.

4.4.2 Geographic and Meteorological Content

While some users may need or prefer to scan the pictures directly, others will find it possible to select the cases of interest from the Geographic Features or Meteorological Contents columns of the AVCS Data Logs. In either case, the necessary documentation is given in the logs.

4.5 PRESENTATION FORMATS

Users interested in detailed photogrammetric techniques applicable to the Nimbus data can find them in Reference 4.

For many users, however, far simpler techniques will be sufficient. In some cases, only a single frame is needed. A view of a somewhat larger area, at a single instant, is given by the three frames of a triplet displayed side by side. The coverage of the side pictures (camera 1 and 3) overlaps the edges of the center frame, as shown in Figures A-8, A-11, A-29 and A-35.

Many projects require coverage of a larger area than that in a single triplet. Where quantitative analysis is not needed this may often be obtained merely by a montage, a series of successive or adjacent frames presented without cutting and fitting, as shown in Figures A-14 through A-18. Using this technique, large areas can be scanned as a unit with a minimum of data processing. With practice, the user learns to interpolate across the small areas between frames and triplets which were not photographed.

The next stage of sophistication is provided by unrectified mosaics; series of matched and overlapped pictures forming a continuous display. This is partially illustrated in Figures A-39 and A-41. Mosaicing may allow semi-quantitative analysis, provided the effects of perspective and the coverage duplications at the far edges of the pictures are not overlooked. True mosaicing requires rectification.

Rectification requires the removal of optical and/or electronic distortions introduced by the overall Nimbus system, and elimination of perspective. Rectification leads to a picture transformed to some convenient map projection.

In the Nimbus I AVCS the effects of both optical and electronic distortions are minimal; most users need not be concerned with these second order corrections. Perspective effects observed in the camera 2 pictures can also be considered second order for most practical purposes. The perspective effects in camera 1 and 3 can not, however, be neglected in critical analyses.

Optical rectification of the AVCS data, which would be necessary to preserve the detail in the pictures in full fidelity, would be relatively complex due to earth curvature and illumination problems. Specific procedures for such optical rectification have not been developed. Manual techniques for AVCS rectification and geographic referencing are, however, presented in Reference 4. Using them, the significant features can be transferred, by sketching, to an appropriate map. Similar techniques are applicable to the APT data (see also Reference 6).

V. NIMBUS I DOCUMENTATION

This section provides the documentation for the Nimbus I AVCS and APT data. The data are presented sequentially as discussed in Section III. Data for individual days are separated by AVCS Daily Coverage Maps.

An appropriate cross reference to the U.S. Weather Bureau data retrieval system appears on each page of the log.

Abbreviations for, and illustrative examples of the geographic and meteorological terminology used in the AVCS Data Logs are given in Appendices C.2 and C.3, respectively.

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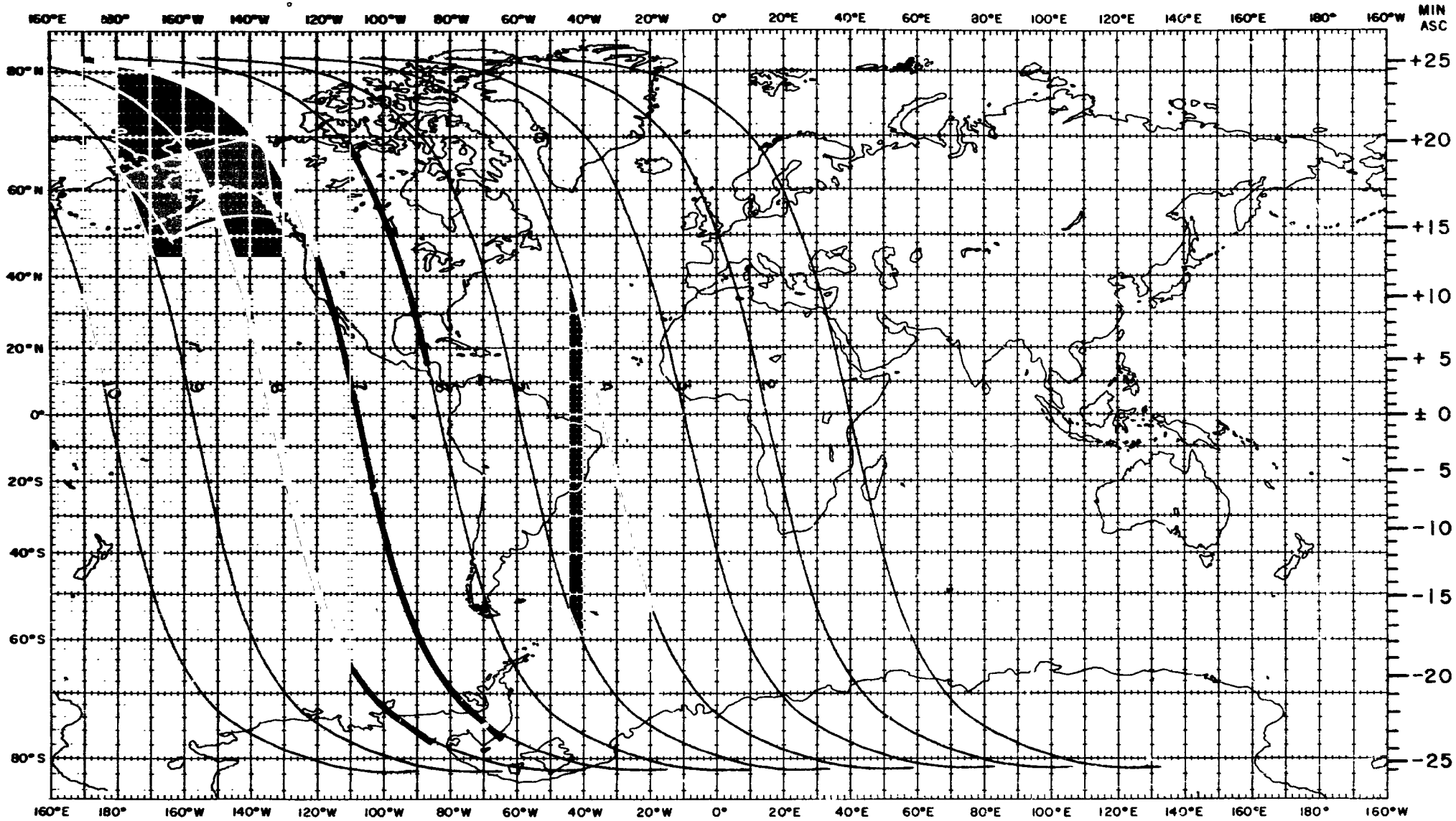
NIMBUS I DOCUMENTATION

28 August 1964

Orbits 1 through 10

AVCS DAILY COVERAGE MAP

28 AUGUST 1964
ORBITS 1 TO 10

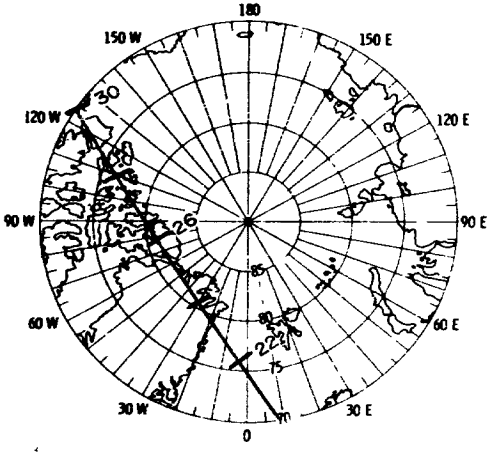


POLAR COVERAGE MAPS

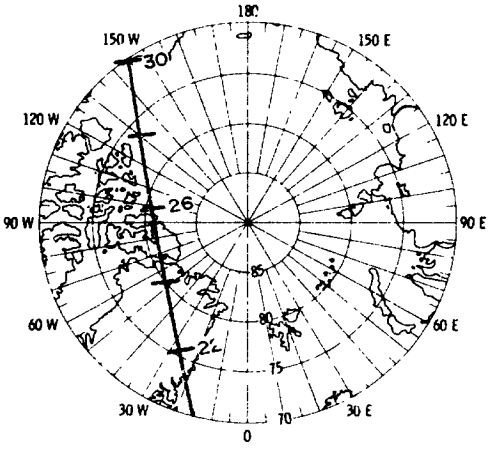
28 AUGUST 1964

NORTH POLAR REGIONS

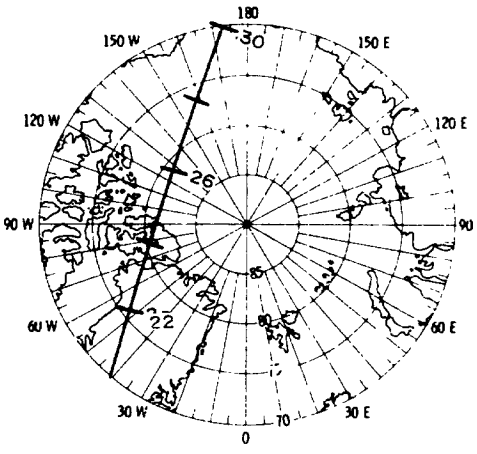
DATA ORBIT 1



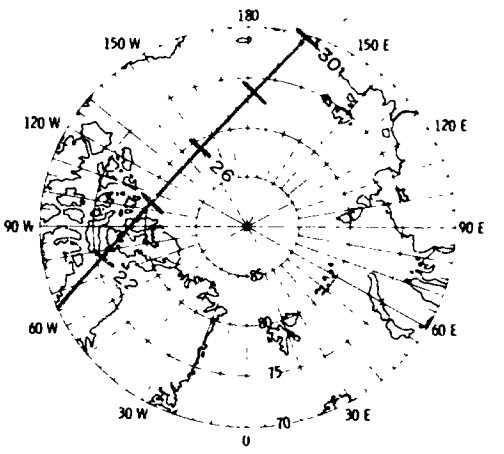
DATA ORBIT 2



DATA ORBIT 3

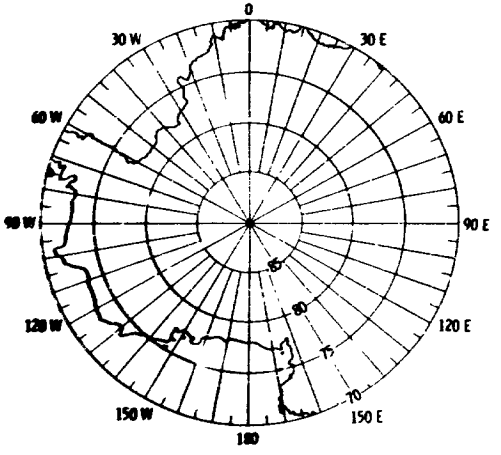


DATA ORBIT 4

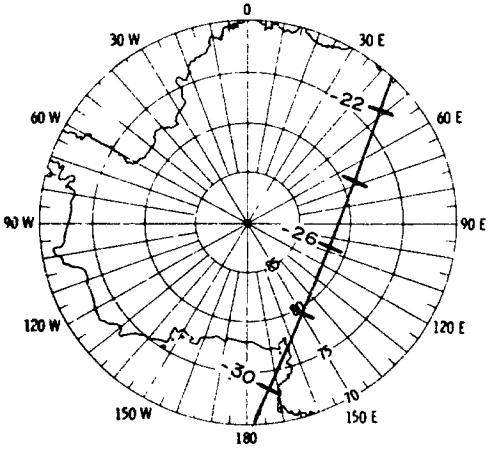


SOUTH POLAR REGIONS

DATA ORBIT



DATA ORBIT 1



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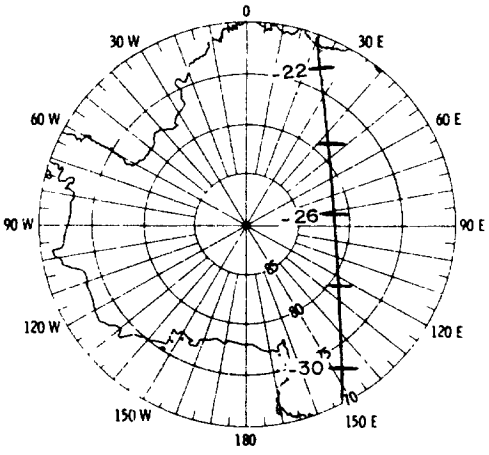

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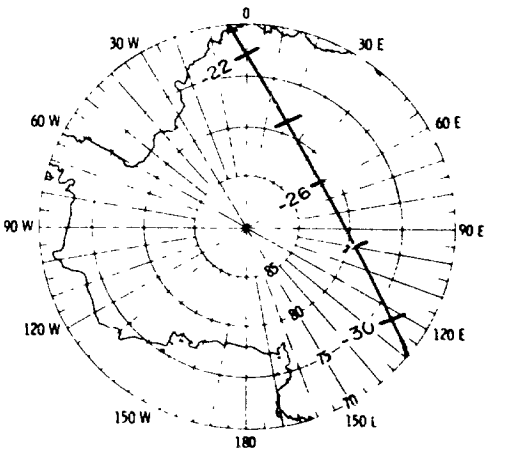
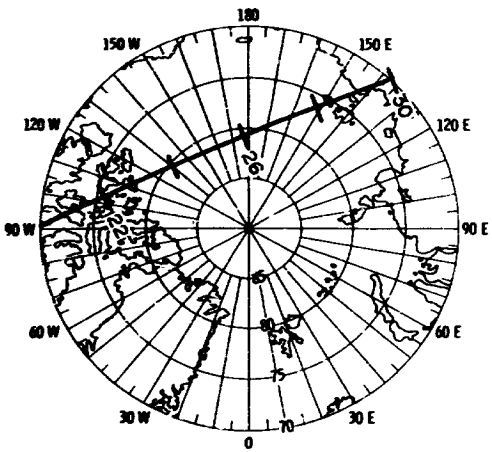


POLAR COVERAGE MAPS

28 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 5



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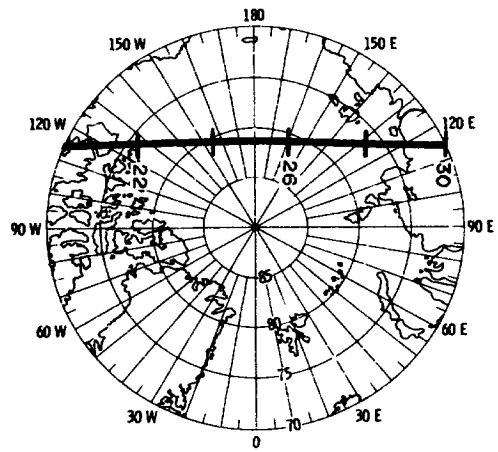

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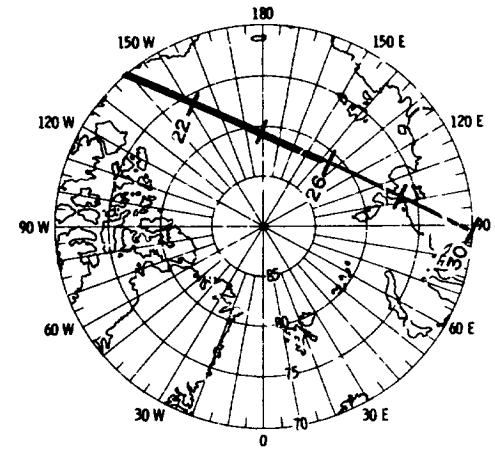

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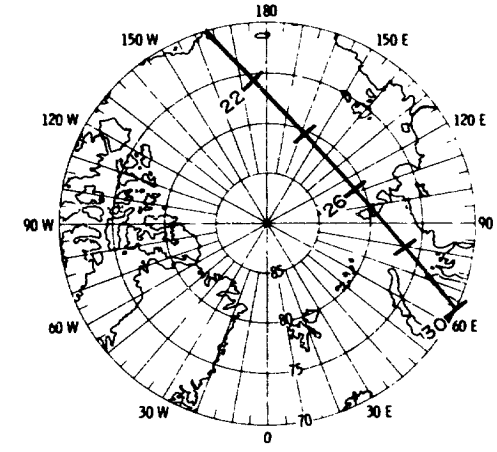

SOUTH POLAR REGIONS

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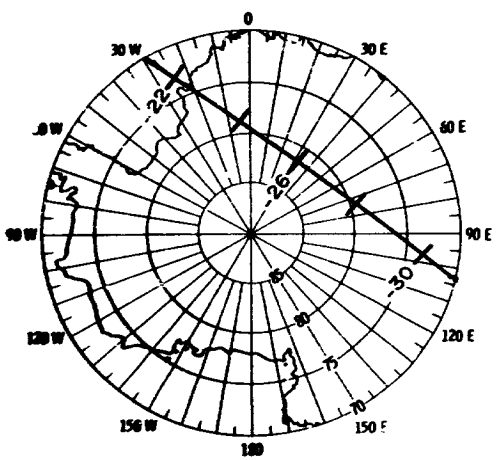

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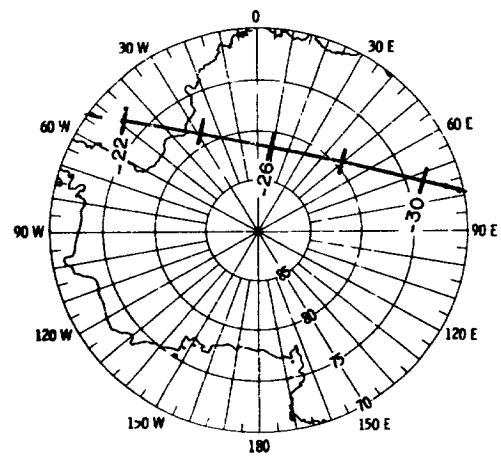

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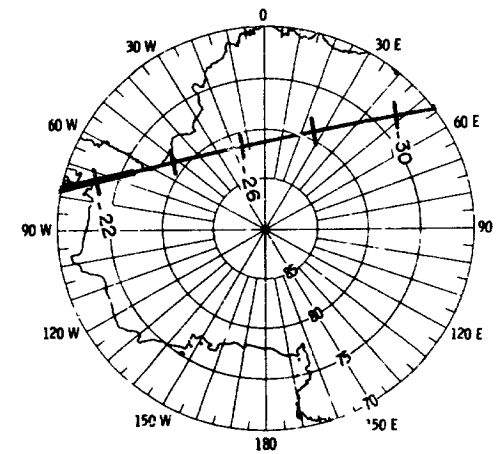

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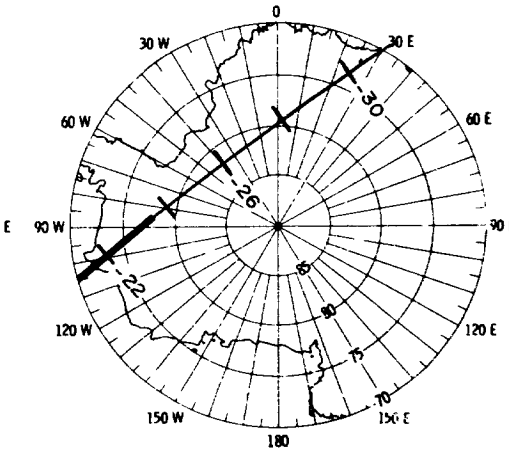
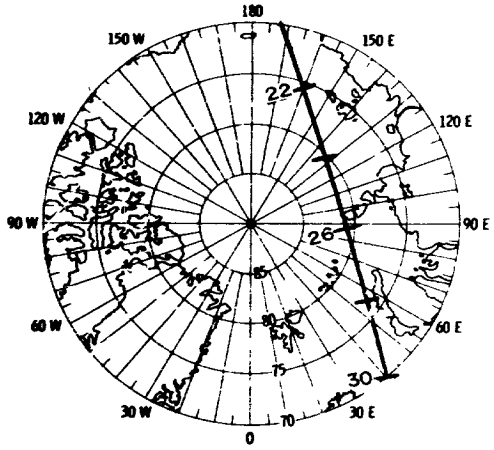


POLAR COVERAGE MAPS

28 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 9



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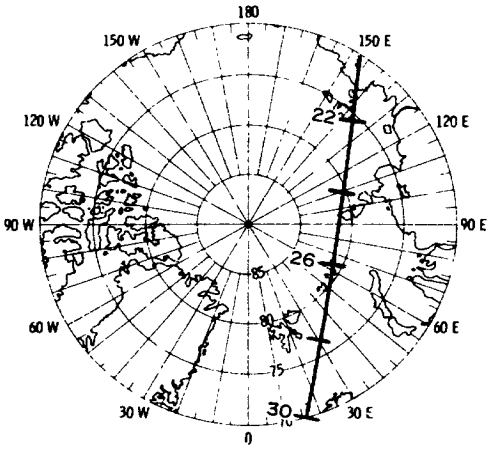

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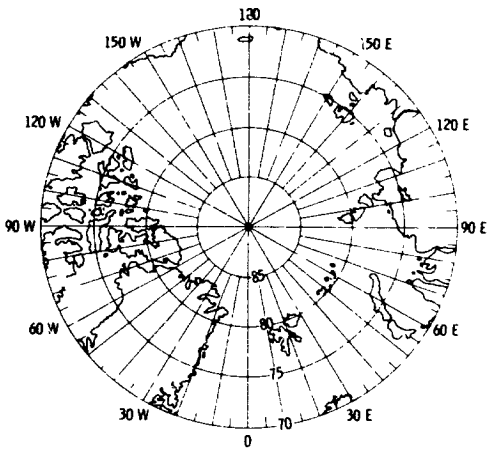

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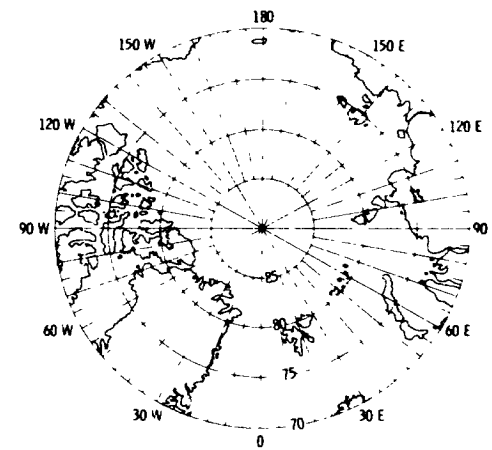
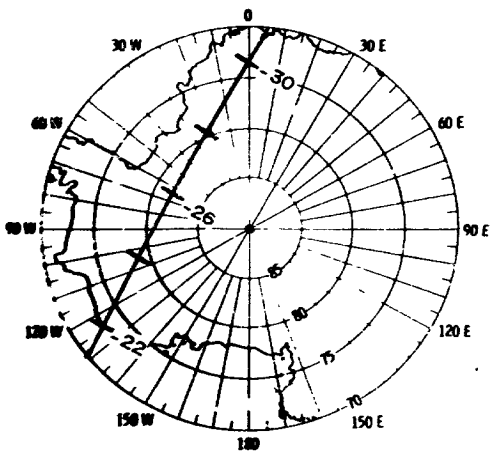


SOUTH POLAR REGIONS

DATA ORBIT 8



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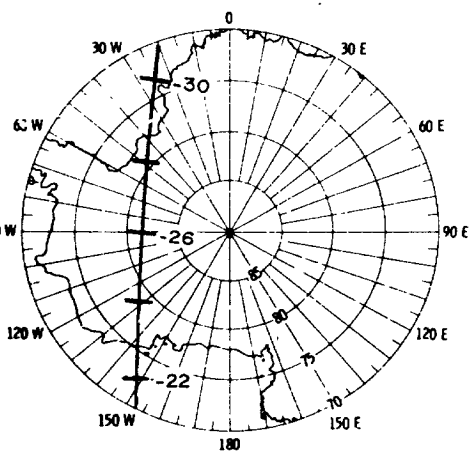

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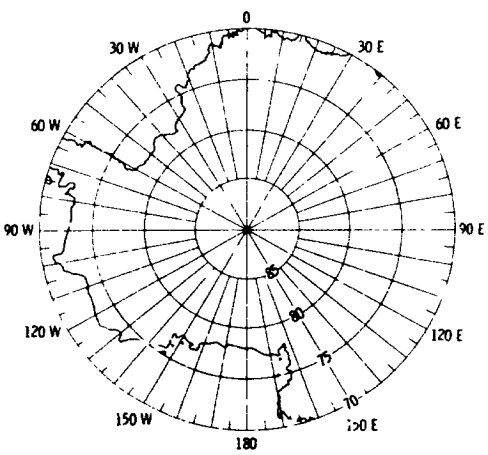

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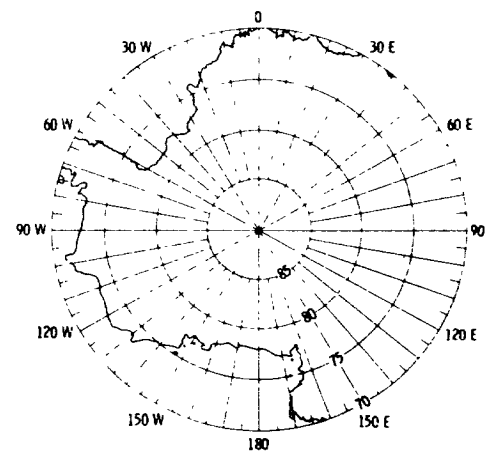


NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DE GNATION
1964 August 28 Track 12

DATA ORBIT 7/8
DATE 28 August 1964
ASC. NODE 20 27 32 UT
133 26 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-008-60038	1	20 46 3[illegible]	+19 1	692	31	1	Alaska, Seward Pen	BANDS
	1					2		Vortex Vicinity 59 N
	1					3	Brooks Mt. Range	
2-008-60038	2	20 45 07	+17.6	715	36	1		
	2					2		
	2					3		
3-008-60038	3	20 [illegible]3 3[illegible]	+16.1	738	42	1	Chirikof I.	
	3					2	Kodiak & Trinity Is.	
	3					3		

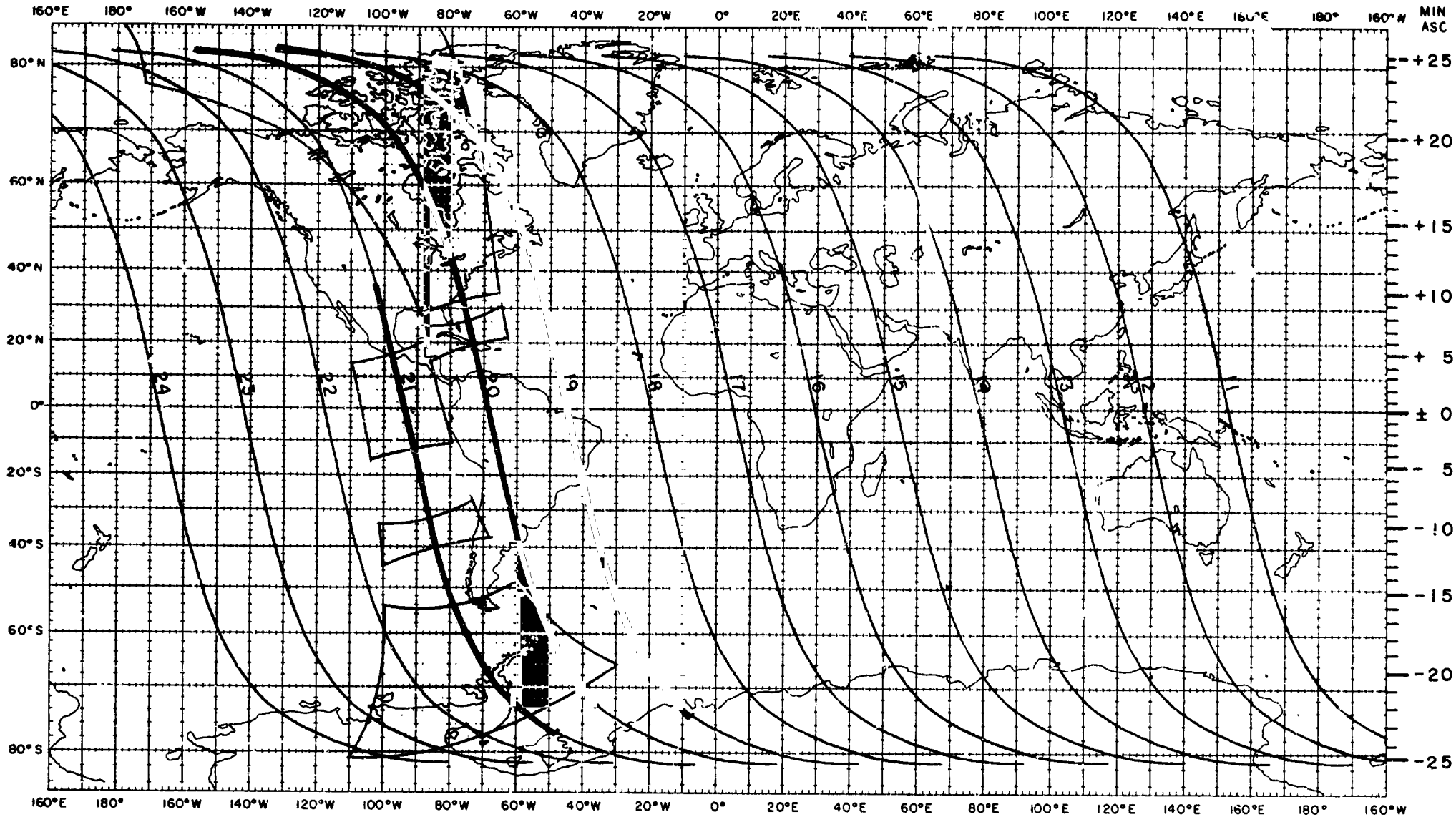
NIMBUS I DOCUMENTATION

29 August 1964

Orbits 10 through 24

AVCS DAILY COVERAGE MAP

29 AUGUST 1964
ORBITS 10 TO 24

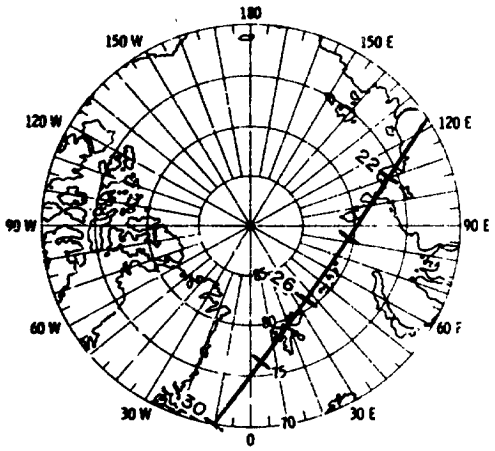


POLAR COVERAGE MAPS

29 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 11



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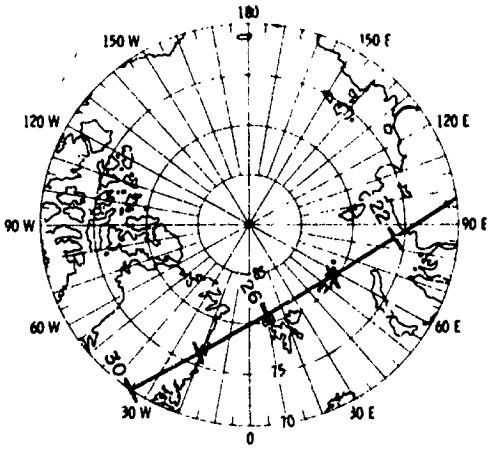

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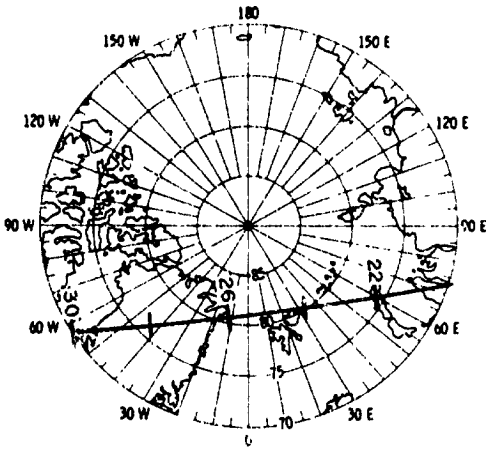
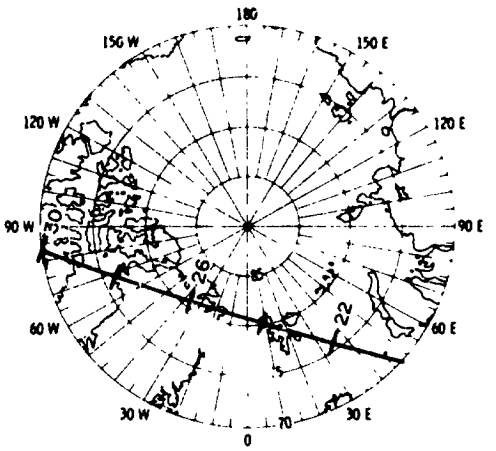
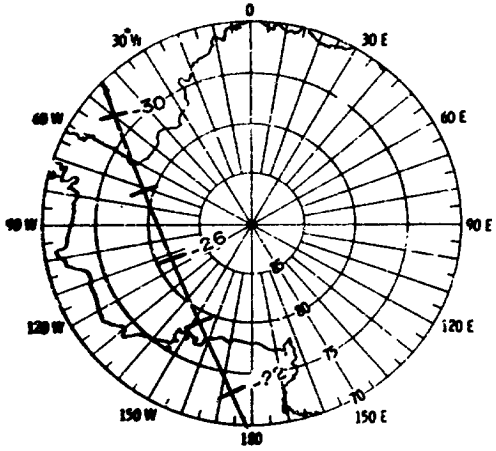


DATA ORBIT 14



SOUTH POLAR REGIONS

DATA ORBIT 10



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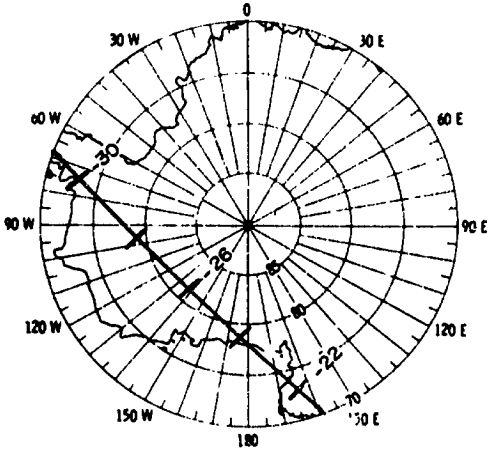

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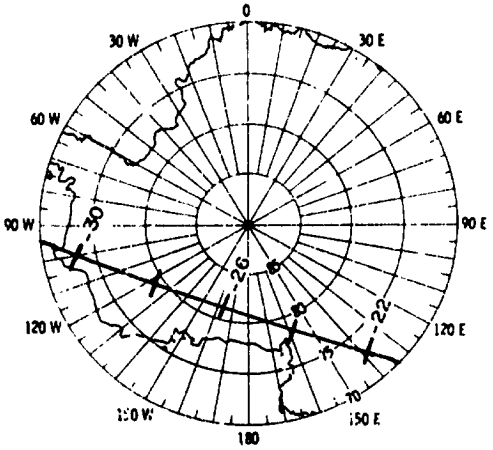

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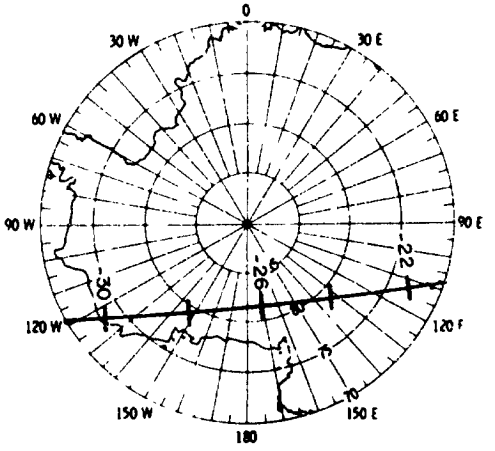
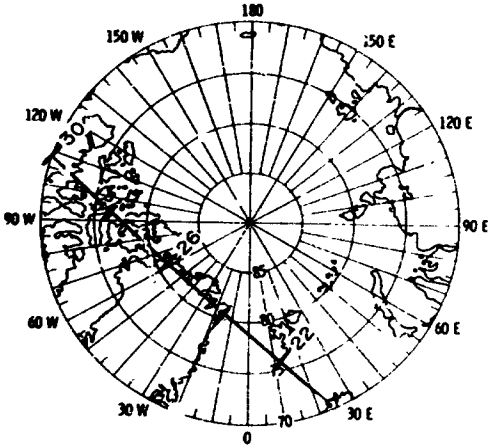


POLAR COVERAGE MAPS

29 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 15



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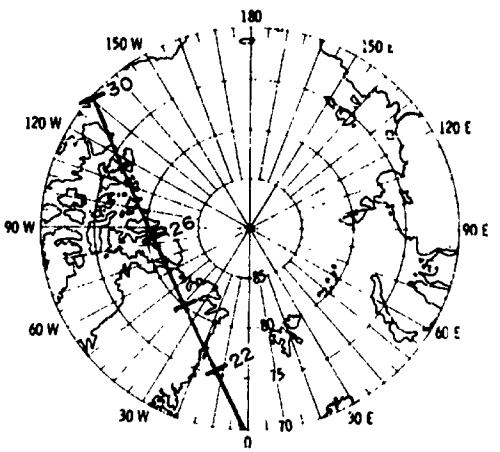

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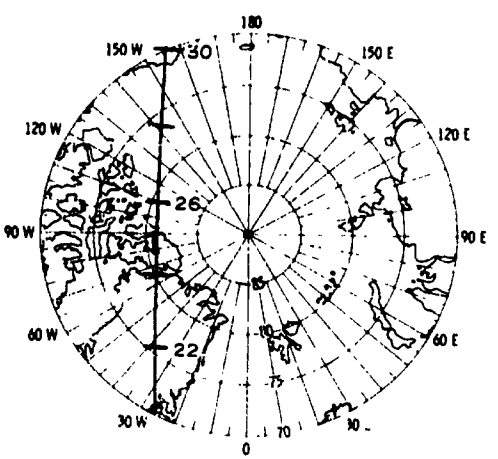

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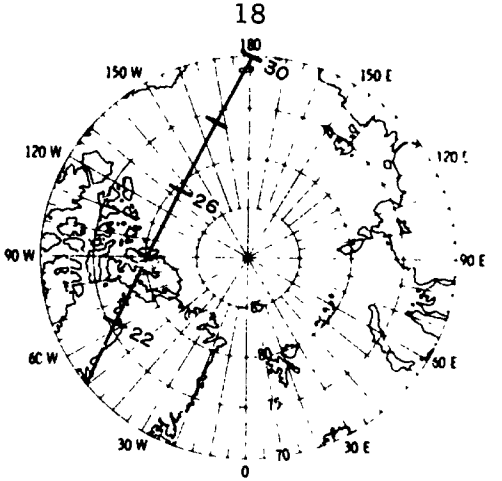
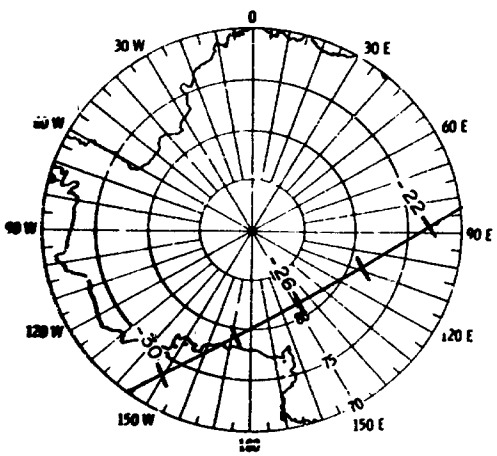


SOUTH POLAR REGIONS

DATA ORBIT 14



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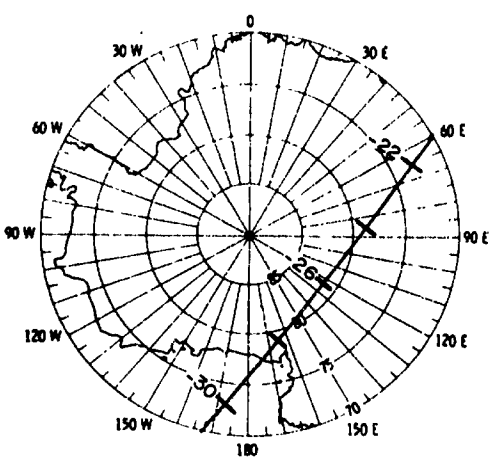

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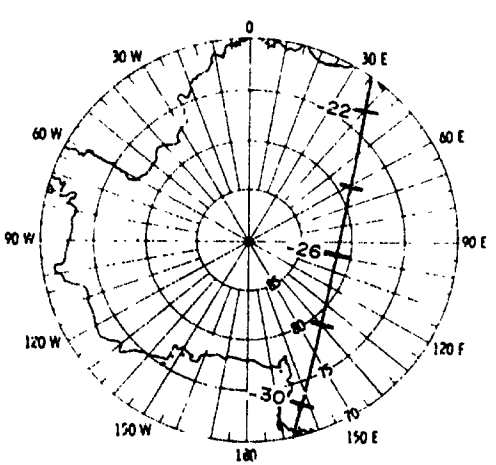

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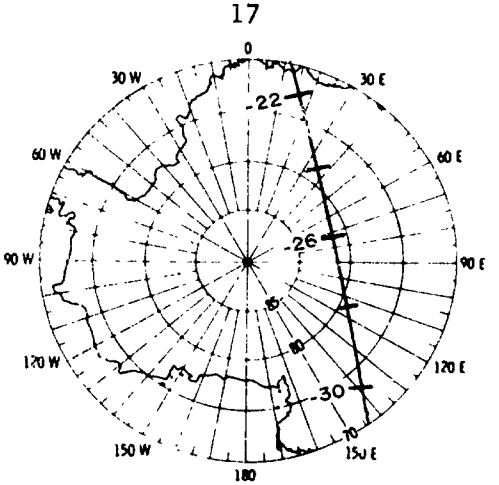
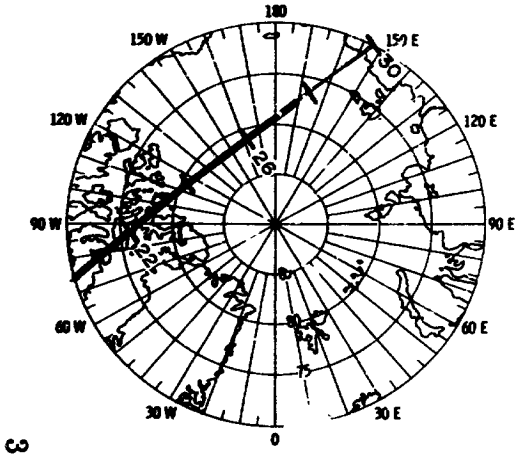


POLAR COVERAGE MAPS

29 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 19



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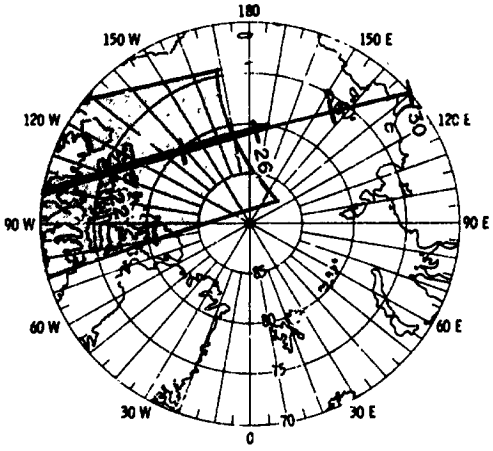

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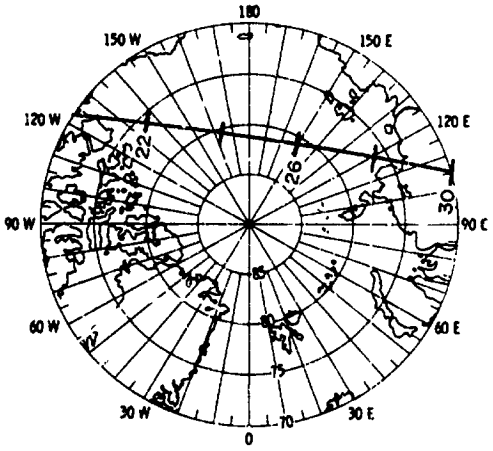

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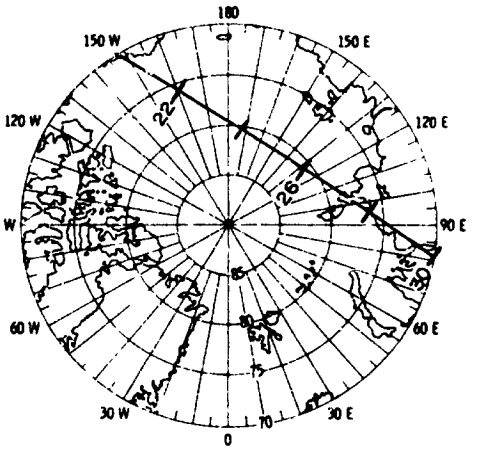
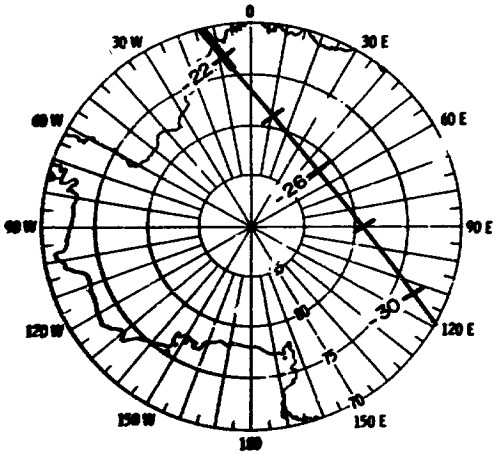


SOUTH POLAR REGIONS

DATA ORBIT 18



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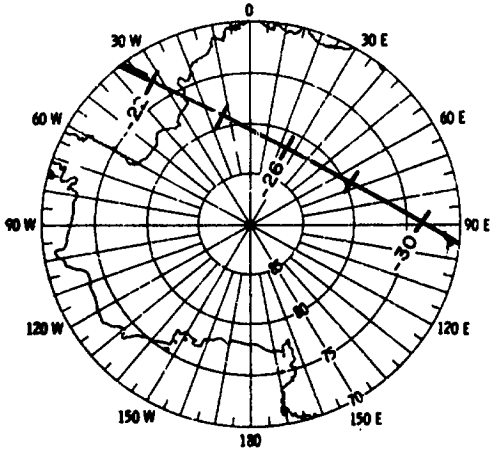

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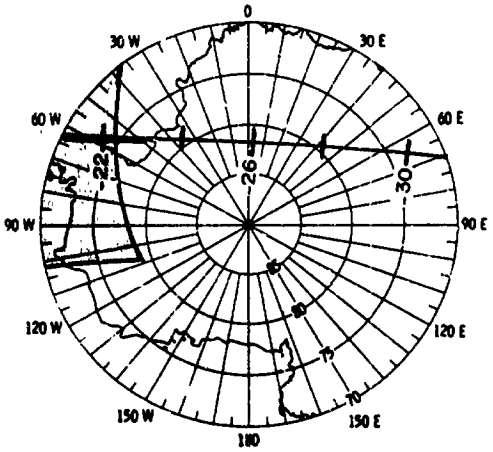

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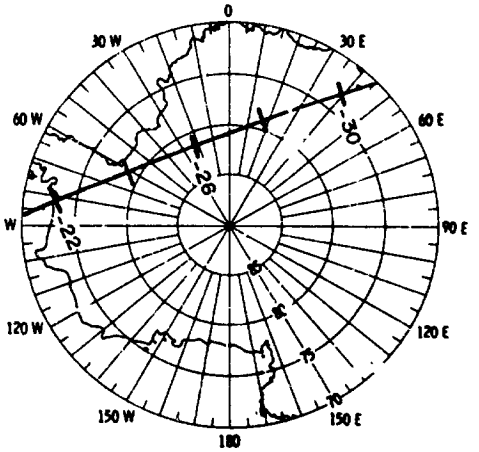
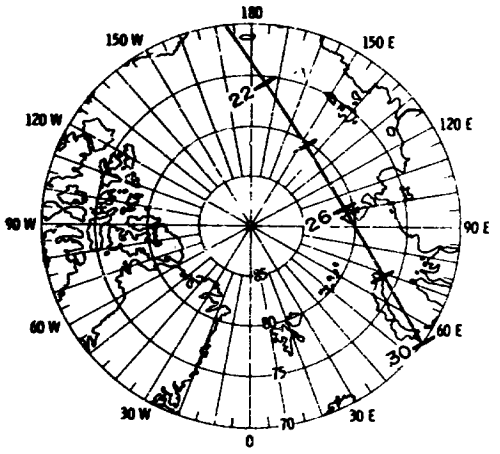


POLAR COVERAGE MAPS

29 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 23



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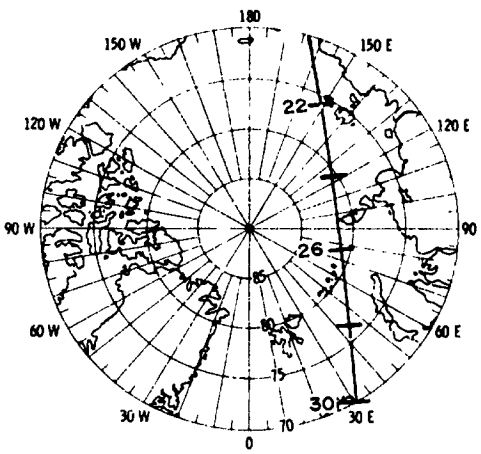

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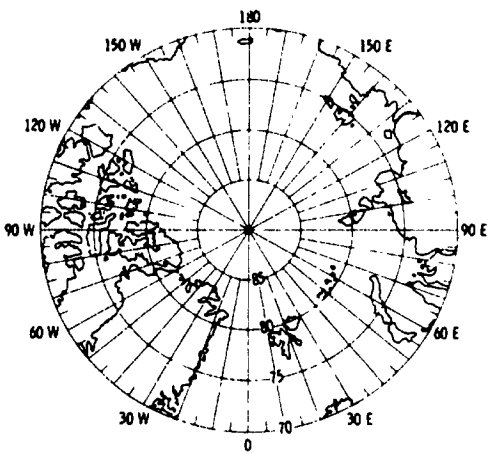

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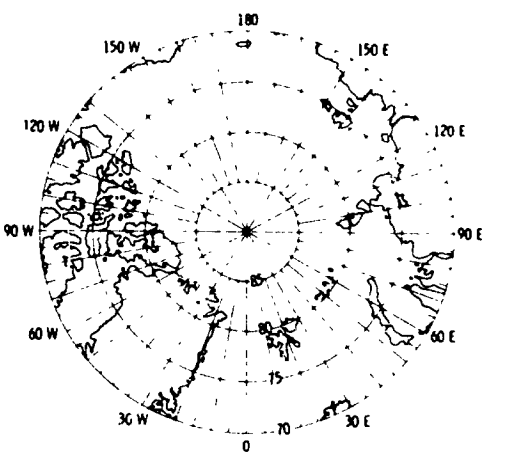
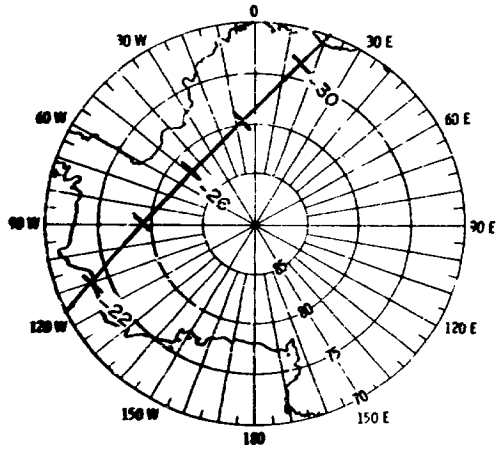


SOUTH POLAR REGIONS

DATA ORBIT 22



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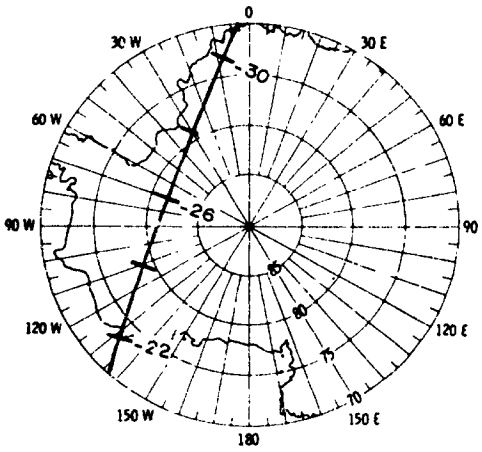

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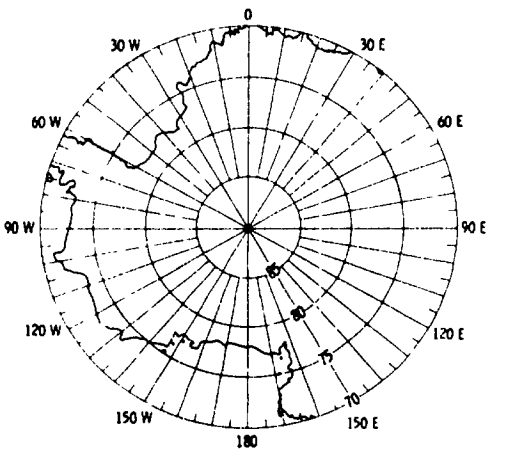

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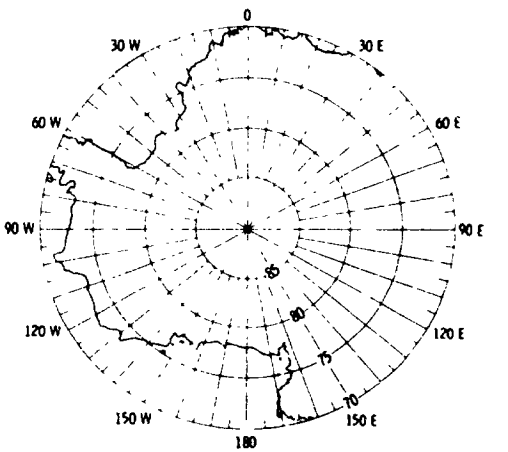


NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 29 Track 10

DATA ORBIT 19/20
DATE 29 August 1964
ASC NODE 16 08 46 UT
68.51 W LON G.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-021-02996	1	16 33 53	+25 1	586	9	1	ARCTIC ICE	THIN BANDS
	1					2		
	1					3		
2-021-02996	2	16 32 22	+23 6	609	14	1		
	2					2		
	2					3		
3-021-02996	3	16 30 51	+22 1	633	19	1	Banks I	
	3					2	Melville I.	
	3					3		
4-021-02996	4	16 29 20	+20.6	657	25	1		
	4					2	Prince of Wales I.	
	4					3	Devon I. & Brodeur Pen.	
5-021-02996	5	16 27 49	+19.1	681	31	1		
	5					2		
	5					3		
6-021-02996	6	16 26 18	+17.5	704	36	1		VORTEX
	6					2		Center Vicinity 59 N
	6					3		
7-021-02996	7	16 24 47	+16.0	727	41	1		
	7					2		
	7					3		
8-030-60076	8	16 21 45	+13 0	772	52	1	Lake Michigan	
	8					2	Lakes Huron & Ontario	BANDS
	8					3		
9-030-60076	9	16 20 14	+11.5	793	57	1		
	9					2		HURRICANE CLEO
	9					3		Center Vicinity 31 N
10-030-60076	10	16 18 43	+10.0	814	63	1		
	10					2		
	10					3		
11-020-02977	11	16 15 41	+ 6 9	861	75	1	Cuba	
	11					2	Bahama Is.	CUFM
	11					3		Some Cb

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 29 Track 11

DATA ORBIT 20/21
DATE 29 August 1964
ASC. NODE 17 47 13 UT
93.11 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-021-02996	1	17 51 25	+ 4.2	880	80	1		
	1					2		ITC
	1					3		
2-021-02996	2	17 49 54	+ 2 7	894	82	1		
	2					2		
	2					3		
3-021-02996	3	17 48 23	+ 1 2	906	81	1		
	3					2		CUFM
	3					3		Cellular
4-021-02996	4	17 46 52	- 0.4	917	78	1		Actiniform
	4					2		Fibrous
	4					3		
5-021-02996	5	17 45 21	- 1.9	927	74	1		
	5					2		
	5					3		
6-021-02996	6	17 43 50	- 3.4	936	69	1		
	6					2		
	6							
7-021-02996	7	17 36 15	- 11.0	941	44	1		
	7					2		BANDS
	7					3		
8-021-02996	8	17 30 11	-17.0	910	23	1		
	8					2		BANDS
	8					3		Eddies
9-021-02996	9	17 28 40	-18.6	896	18	1		
	9					2		
	9					3		
10-021-02996	10	17 27 09	-20.1	881	13	1		
	10					2	ANTARCTICA	THIN CLOUDS
	10					3		
11-021-02996	11	17 25 38	-21.6	864	8	1		
	11					2		
	11					3		

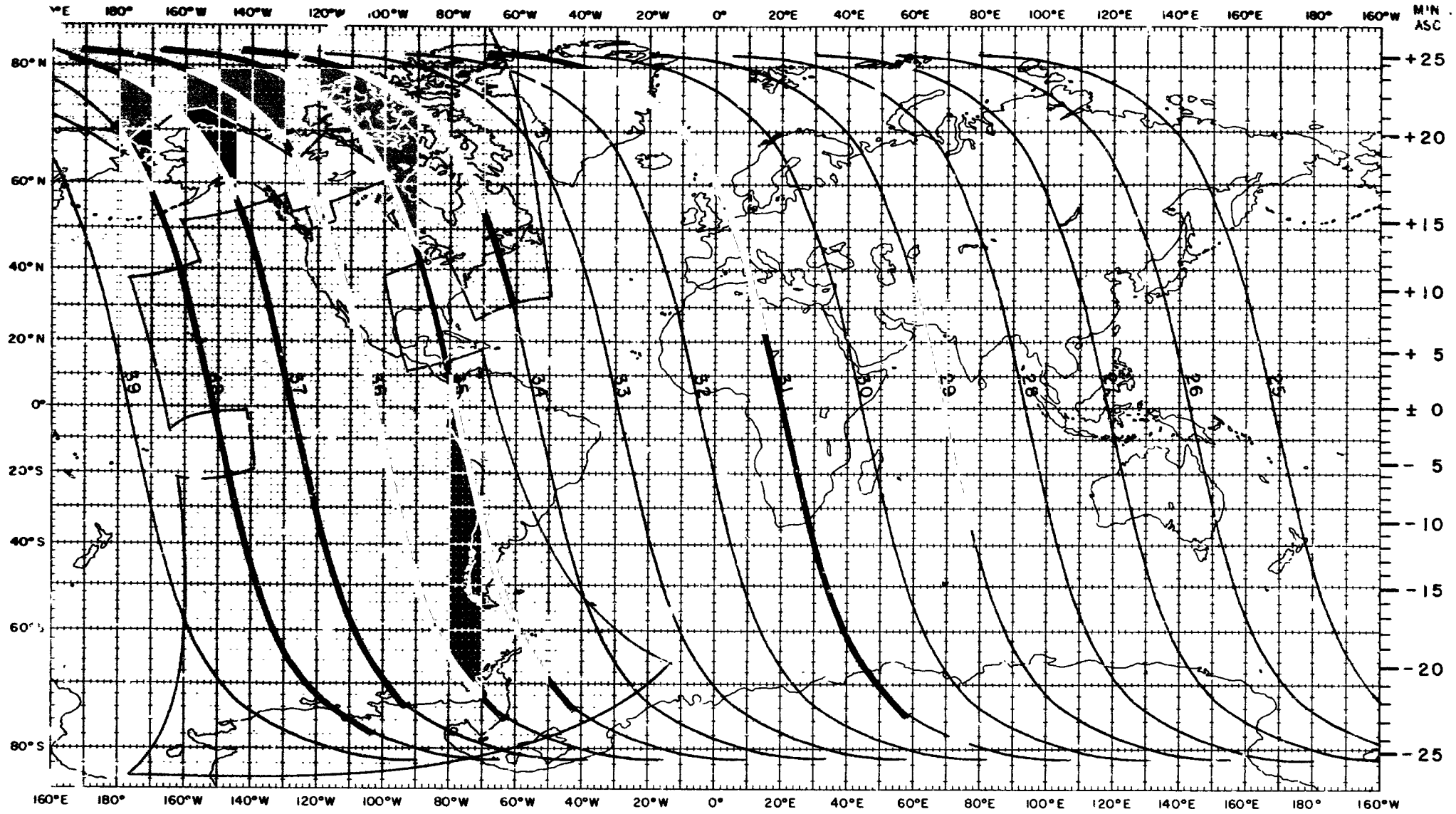
NIMBUS I DOCUMENTATION

30 August 1964

Orbits 24 through 39

AVCS DAILY COVERAGE MAP

30 AUGUST 1964
ORBITS 24 TO 39

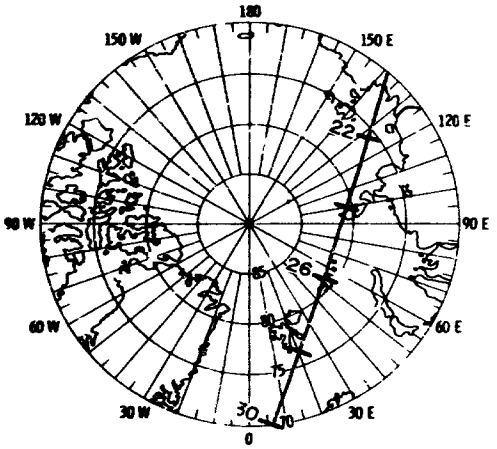


POLAR COVERAGE MAPS

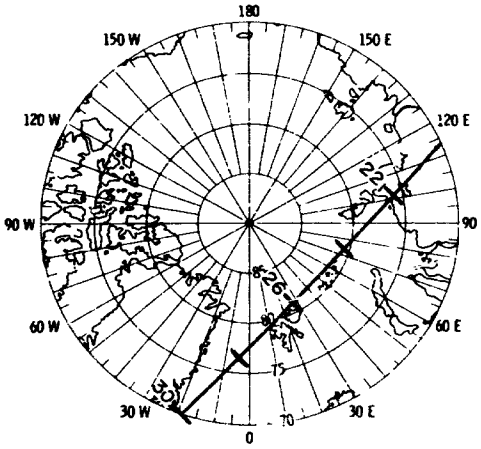
30 AUGUST 1964

NORTH POLAR REGIONS

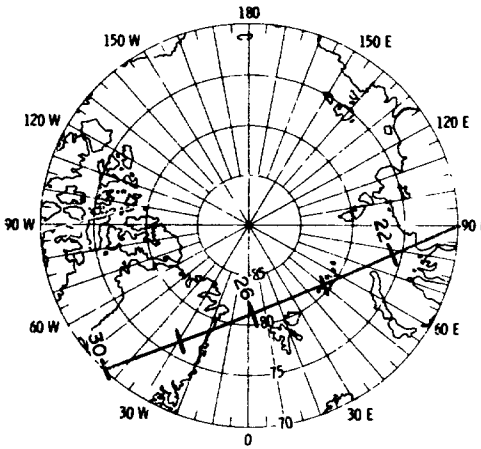
DATA ORBIT 25



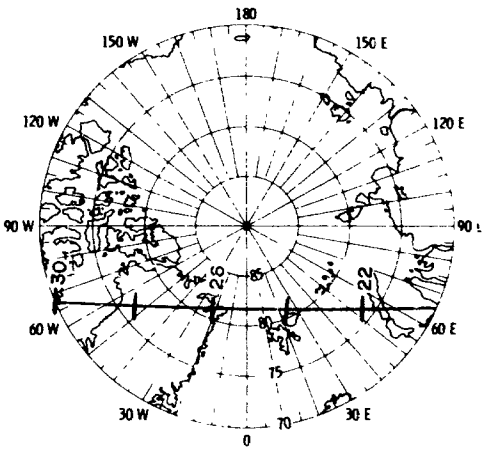
DATA ORBIT 26



DATA ORBIT 27

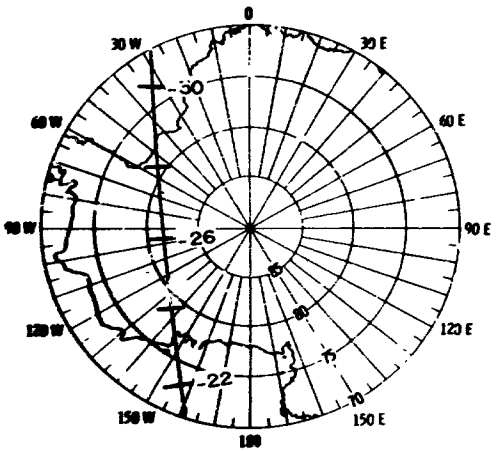


DATA ORBIT 28

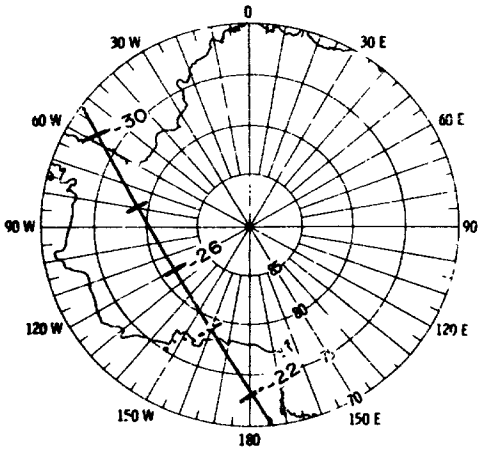


SOUTH POLAR REGIONS

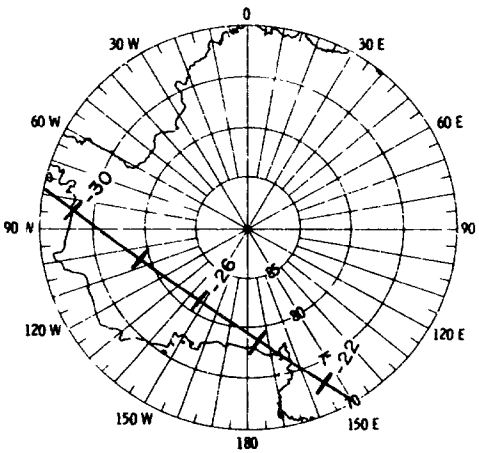
DATA ORBIT 24



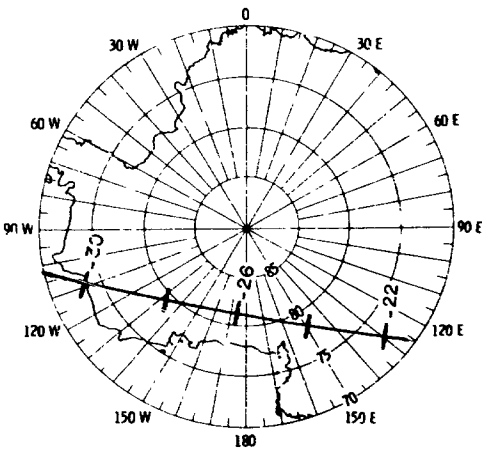
DATA ORBIT 25



DATA ORBIT 26



DATA ORBIT 27

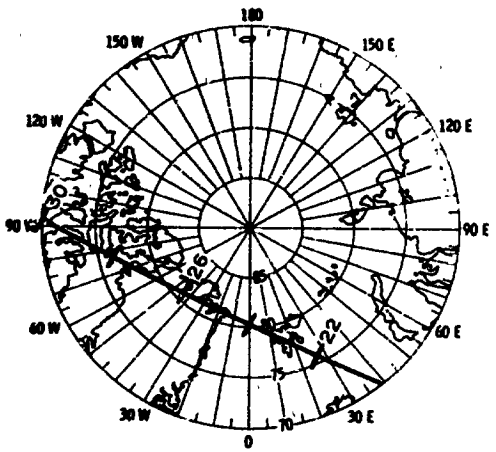


POLAR COVERAGE MAPS

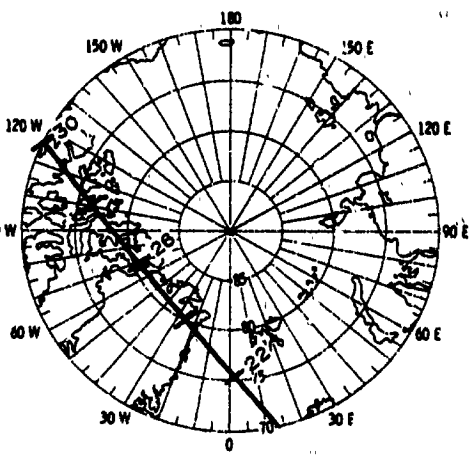
30 AUGUST 1964

NORTH POLAR REGIONS

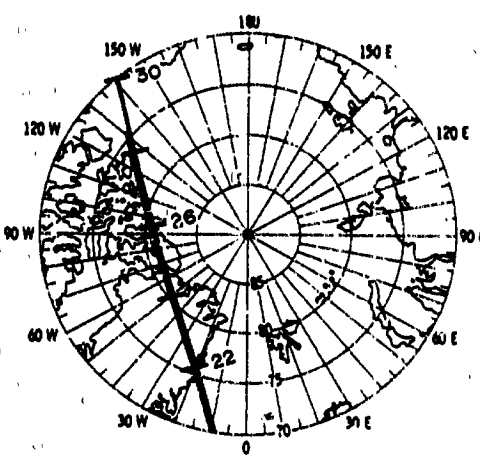
DATA ORBIT 29



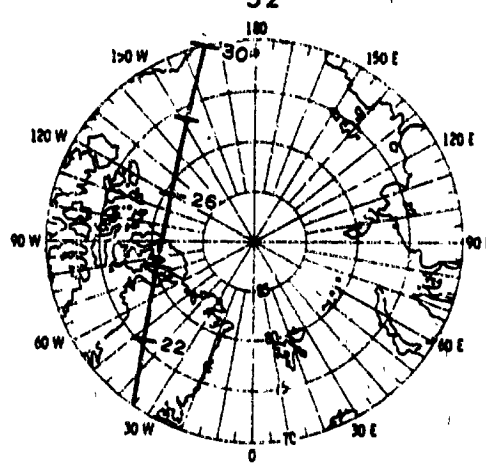
DATA ORBIT 30



DATA ORBIT 31

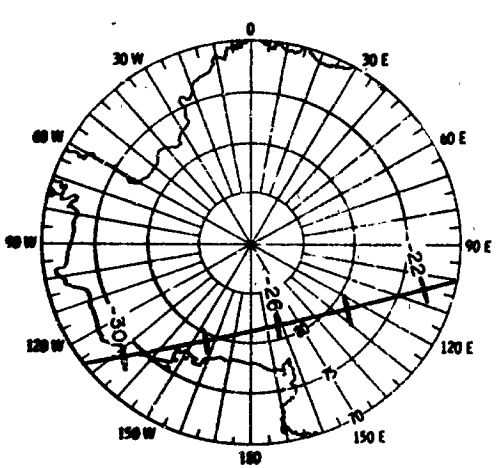


DATA ORBIT 32

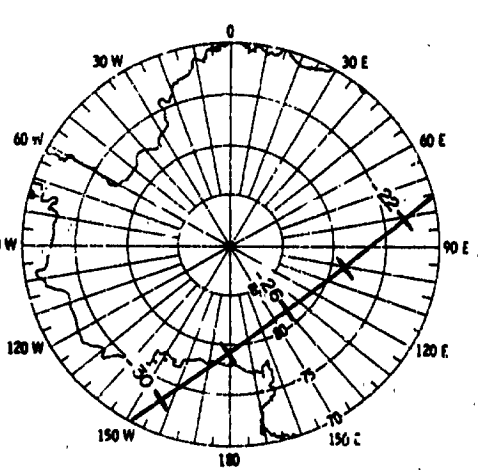


SOUTH POLAR REGIONS

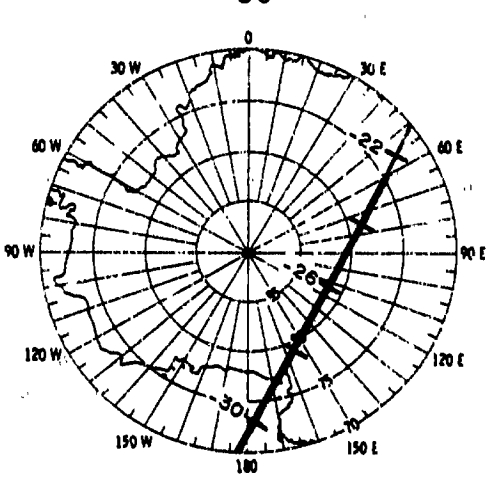
DATA ORBIT 28



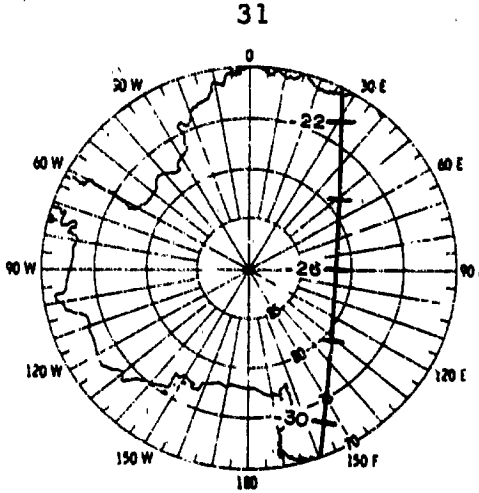
DATA ORBIT 29



DATA ORBIT 30



DATA ORBIT 31

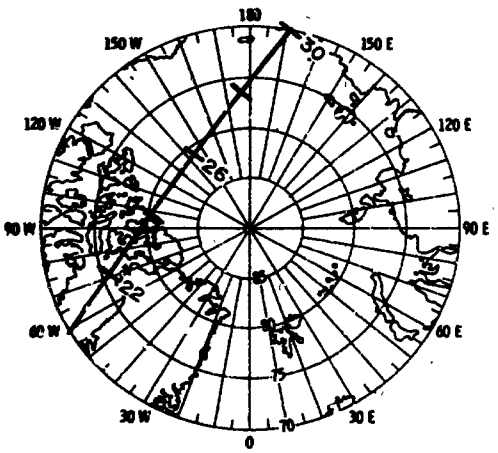


POLAR COVERAGE MAPS

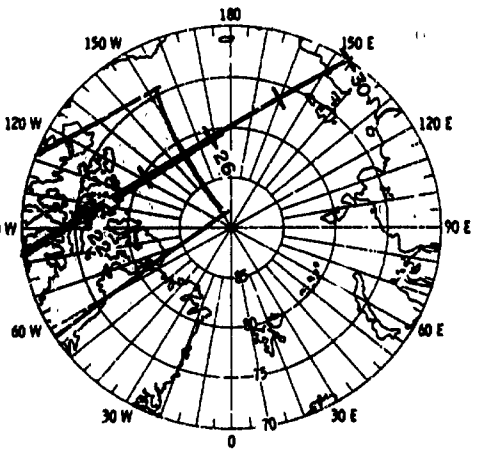
30 AUGUST 1964

NORTH POLAR REGIONS

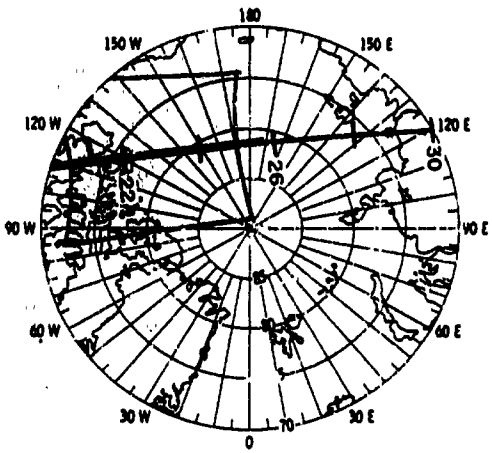
DATA ORBIT 33



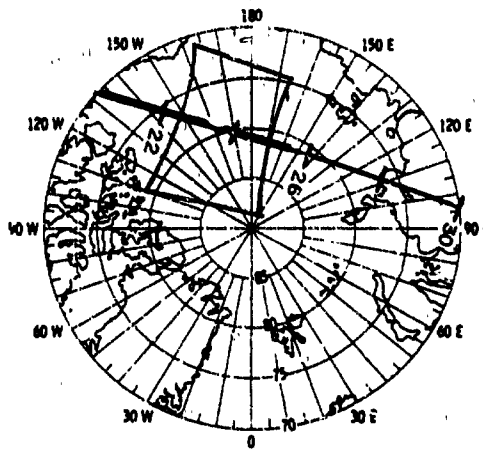
DATA ORBIT 34



DATA ORBIT 35

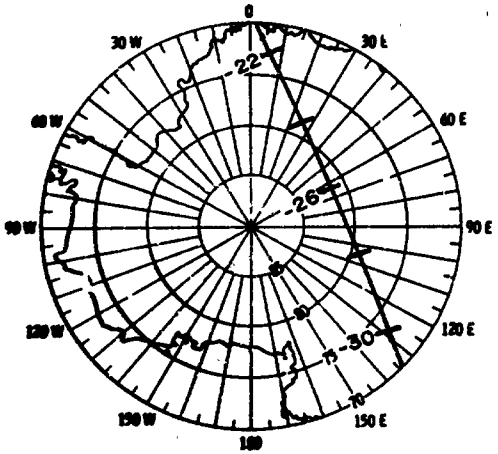


DATA ORBIT 36

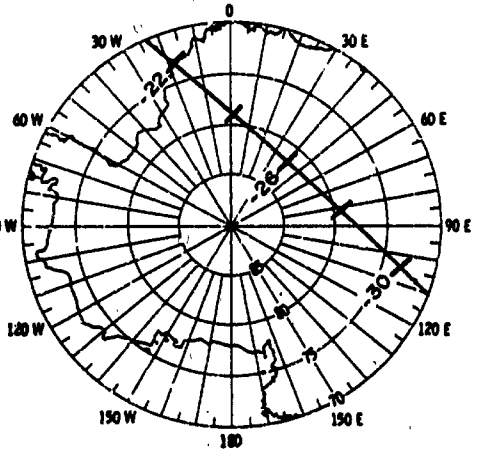


SOUTH POLAR REGIONS

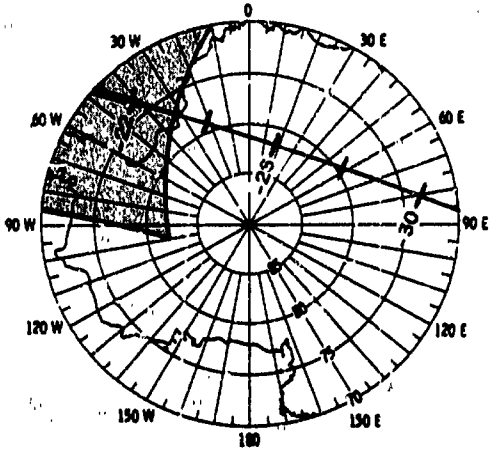
DATA ORBIT 32



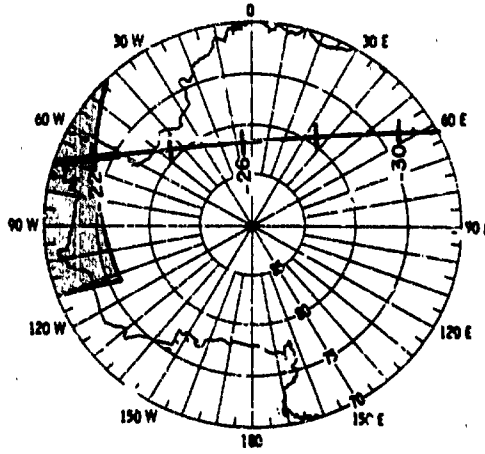
DATA ORBIT 33



DATA ORBIT 34



DATA ORBIT 35

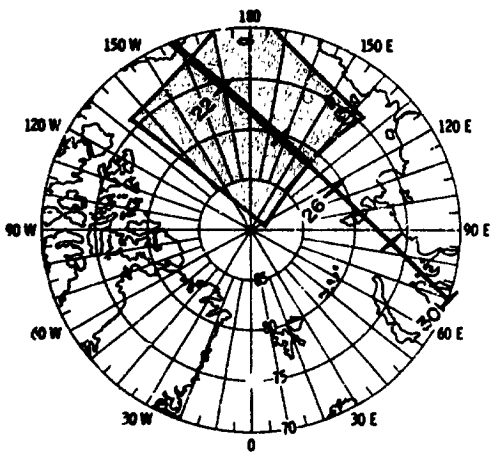


POLAR COVERAGE MAPS

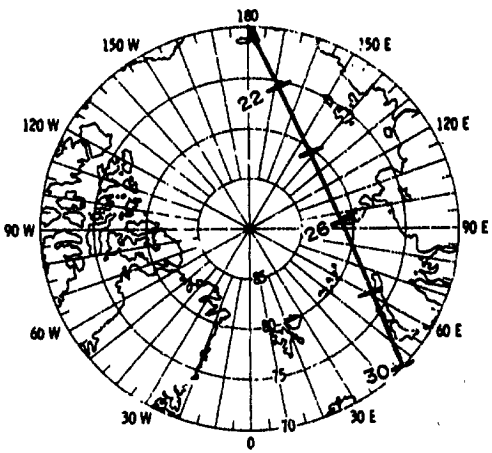
30 AUGUST 1964

NORTH POLAR REGIONS

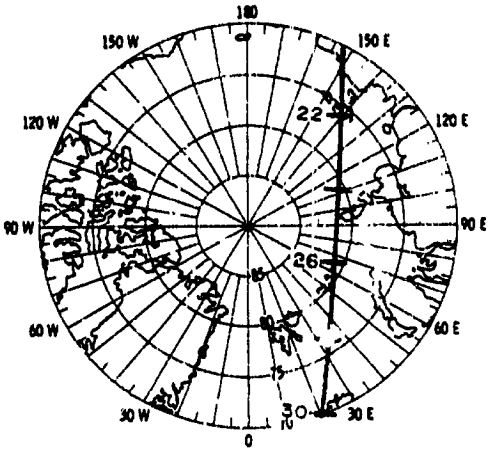
DATA ORBIT 37



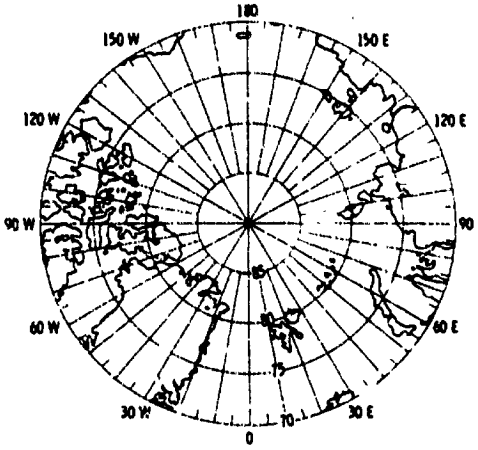
DATA ORBIT 38



DATA ORBIT 39

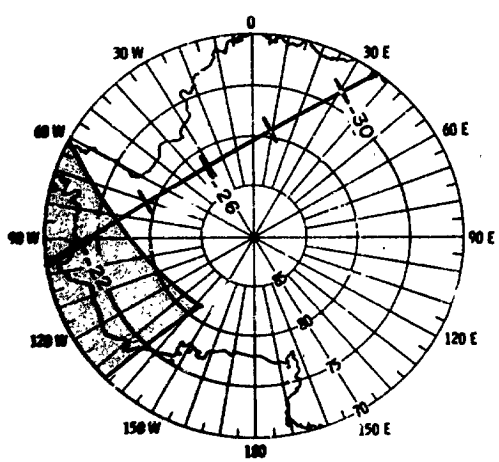


DATA ORBIT

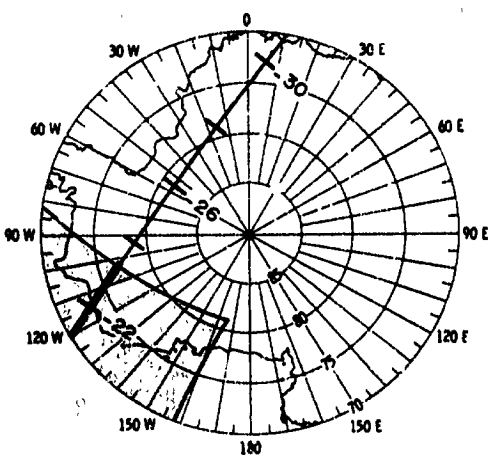


SOUTH POLAR REGIONS

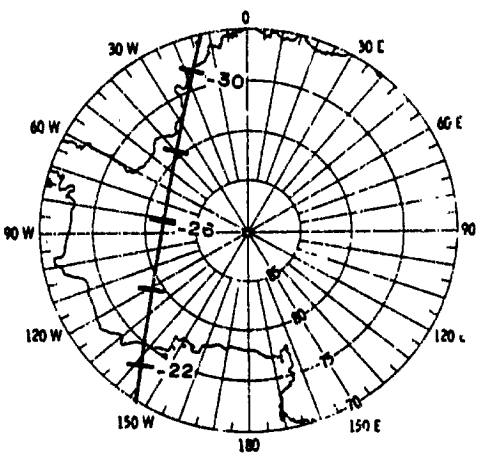
DATA ORBIT 36



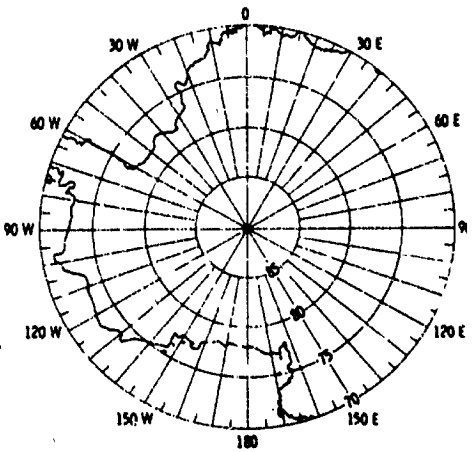
DATA ORBIT 37



DATA ORBIT 38



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 30 Track 9

DATA ORBIT 33/34
DATE 30 August 1964
ASC. NODE 15 06 53 UT
52.97 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-035-02954	1	15 31 31	+24.6	581	10	1	ARCTIC ICE	MOSTLY CLEAR
	1					2		
	1					3		
2-035-02954	2	15 30 00	+23.1	603	15	1	Parry Is.	
	2					2	Parry Is.	
	2					3	Arctic Ice	
3-035-02954	3	15 28 29	+21.6	626	21	1		
	3					2		
	3					3		
4-035-02954	4	15 26 58	+20.1	649	26	1	Hudson Bay	
	4					2		
	4					3	Baffin I.	
5-035-02954	5	15 25 27	+18.6	674	32	1		VORTEX
	5					2		Center Vicinity 59 W
	5					3		
6-035-02954	6	15 23 56	+17.1	697	37	1		
	6					2		
	6					3		
7-035-02954	7	15 22 25	+15.5	720	43	1		
	7					2		
	7					3		
8-035-02954	8	15 20 54	+14.0	743	48	1	ST. LAWRENCE RIVER	FRONTAL BANDS
	8					2	Anticosti I.	Eddies
	8					3		Streets
9-035-02954	9	15 19 23	+12.5	766	53	1		
	9					2		
	9					3		
10-035-02954	10	15 17 52	+11.0	787	59	1		
	10					2		
	10					3		
11-035-02954	11	15 16 21	+ 9.5	808	64	1		
	11					2		
	11					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 30 Track 10

DATA ORBIT 34/35
DATE 30 August 1964
ASC. NODE 16 45 19 UT
77.58 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-036-60113	1	17 09 53	+24.6	881	10	1		
	1					2	ARCTIC ICE	MOSTLY CLEAR
	1					3		
2-036-60113	2	17 08 22	+23.1	603	15	1		
	2					2		
	2					3		
3-036-60113	3	17 06 51	+21.5	627	21	1		
	3					2	Melville & Banks Is.	
	3					3	Parry Is.	
4-035-60107	4	17 02 18	+17.0	697	38	1		
	4					2	Hudson Bay	VORTEX:
	4					3	Hudson B.,	Center Vicinity 50 N
5-035-60107	5	17 00 47	+15.5	721	43	1		Frontal Bands
	5					2		
	5					3	Hudson Bay	
6-035-60107	6	16 59 16	+14.0	744	48	1		
	6					2		
	6					3		
7-035-60107	7	16 57 45	+12.4	766	54	1		
	7					2	Lake Michigan & Green Bay	
	7					3	Lakes Huron & Ontario	
8-035-02954	8	16 48 39	+ 3.3	880	81	1		
	8					2	SOUTH AMERICA	MOSTLY CUFM
	8					3	Tierra Del Fuego	
9-035-02954	9	16 47 08	+ 1.8	894	82	1		
	9					2		
	9					3		
10-035-02954	10	16 45 37	+ 0.3	907	79	1		
	10					2		
	10					3		
11-035-02954	11	16 44 06	- 1.2	918	76	1		
	11					2		
	11					3		
12-035-02954	12	16 42 35	- 2.7	927	71	1		CUFM
	12					2		Large Cellular Field over Water
	12					3		St along Coast.
13-035-02954	13	16 41 04	- 4.3	935	67	1		Numerous Small Cu over Land
	13					2		
	13					3		
14-035-02954	14	16 39 33	- 5.8	940	62	1		
	14					2		
	14					3		
15-035-02954	15	16 38 02	- 7.3	944	57	1		
	15					2		
	15					3		
16-035-02954	16	16 36 31	- 8.8	946	52	1		
	16					2		
	16					3		
17-035-02954	17	16 35 00	-10.3	945	47	1		
	17					2		FRONTAL BANDS
	17					3		Eddies
18-035-02954	18	16 33 28	-11.8	942	41	1		
	18					2		
	18					3		
19-035-02954	19	16 31 58	-13.4	938	36	1		
	19					2		
	19					3		
20-035-02954	20	16 30 27	-14.9	930	31	1		
	20					2		
	20					3		
21-035-02954	21	16 28 56	-16.4	921	26	1		
	21					2		
	21					3		
22-035-02954	22	16 27 25	-17.9	910	21	1		
	22					2	ANTARCTICA	
	22					3	Palmer Pen.	
23-035-02954	23	16 25 54	-19.4	897	16	1	Weddell Sea	
	23					2		APPARENT CLOUDS
	23					3		
24-035-02954	24	16 24 23	-20.9	882	10	1		
	24					2		
	24					3		
25-035-02954	25	16 22 52	-22.4	865	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 30 Track 11

DATA ORBIT 35/36
DATE 30 August 196
ASC. NODE 18 23 45 UT
102.18 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-037-60122	1	18 48 18	+24.6	580	10	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-037-60122	2	18 46 47	+23.0	604	15	1		
	2					2		
	2					3		
3-036-60113	3	18 39 12	+15.5	720	43	1		Bands
	3					2	NORTH AMERICA	
	3					3	W. Aree	Bands
4-036-60113	4	18 37 41	+13.9	743	48	1	Great Salt Lake	CUFM
	4					2	Pathfinder & Seminoe Reservoi:	
	4					3	Arkansas River & Rio Grande	
5-036-60113	5	18 36 10	+12.4	765	54	1	Baja California	
	5					2		MOSTLY CLEAR
	5					3		Cellular Field over Water
6-036-60113	6	18 34 39	+10.9	788	59	1		St along Cst.
	6					2		Cu Streets
	6					3		
7-036-60113	7	18 33 08	+ 9.4	808	64	1		
	7					2		
	7					3		
8-036-60113	8	18 31 37	+ 7.9	827	69	1		
	8					2		
	8					3		
9-036-60113	9	18 30 06	+ 6.4	846	74	1		
	9					2		
	9					3		
10-036-60113	10	18 28 35	+ 4.8	863	78	1		
	10					2		
	10					3		
11-036-60113	11	18 27 04	+ 3.3	879	82	1		ITC
	11					2		
	11					3		
12-036-60113	12	18 25 35	+ 1.8	894	82	1		
	12					2		
	12					3		
13-036-60113	13	18 24 02	+ 0.3	906	80	1		
	13					2		CUFM
	13					3		Cellular
14-036-60113	14	18 22 31	- 1.2	918	76	1		Actiniform
	14					2		
	14					3		
15-036-60113	15	18 21 00	- 2.8	927	71	1		
	15					2		
	15					3		
16-036-60113	16	18 19 29	- 4.3	935	66	1		
	16					2		
	16					3		
17-036-60113	17	18 17 58	- 5.8	940	61	1		
	17					2		
	17					3		
18-036-60113	18	18 16 27	- 7.3	944	56	1		
	18					2		
	18					3		
19-036-60113	19	18 14 56	- 8.8	946	51	1		
	19					2		BANDS
	19					3		Eddies
20-036-60113	20	18 13 25	-10.3	945	46	1		Cellular
	20					2		Streaks
	20					3		
21-036-60113	21	18 11 54	-11.9	942	41	1		
	21					2		
	21					3		
22-036-60113	22	18 10 23	-13.4	938	36	1		
	22					2	SOUTH AMERICA	
	22					3		
23-036-60113	23	18 08 52	-14.9	931	31	1		
	23					2		
	23					3		
24-036-60113	24	18 07 21	-16.4	914	26	1		
	24					2		
	24					3		
25-036-60113	25	18 05 50	-17.9	910	21	1		
	25					2		
	25					3		
26-036-60113	26	18 04 19	-18.4	897	15	1		
	26					2	ANTARCTICA	
	26					3		
27-036-60113	27	18 02 48	-20.0	882	10	1		
	27					2		THIN CLOUDS
	27					3		
28-036-60113	28	18 01 17	-21.5	865	5	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 30 Track 12

DATA ORBIT 36/37
DATE 30 August 1964
ASC. NODE 20 02 11 UT
126.79 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-038-60129	1	20 26 41	+24.5	580	10	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-038-60129	2	20 25 10	+23.0	602	15	1		
	2					2		
	2					3		
3-037-60122	3	20 23 39	+21.5	625	21	1		
	3					2		
	3					3		
4-037-60122	4	20 17 35	+15.4	720	43	1		BANDS Some Frontal
	4					2		
	4					3	Alaska, Panhandle	
5-037-60122	5	20 16 04	+13.9	743	48	1		
	5					2		
	5					3		
6-037-60122	6	20 14 33	+12.4	765	53	1		
	6					2		
	6					3		
7-037-60122	7	20 13 02	+10.9	787	59	1		CUFM Large Cellular Field
	7					2		
	7					3		
8-037-60122	8	20 11 31	+ 9.3	807	64	1		
	8					2		
	8					3		
9-037-60122	9	20 10 00	+ 7.8	827	69	1		
	9					2		
	9					3		
10-037-60122	10	20 08 29	+ 6.3	845	74	1		
	10					2		
	10					3		
11-037-60122	11	20 06 58	+ 4.8	862	78	1		
	11					2		
	11					3		
12-037-60122	12	20 05 27	+ 3.3	878	81	1		ITC
	12					2		
	12					3		
13-037-60122	13	20 03 56	+ 1.8	893	82	1		CUFM Some Cellular
	13					2		
	13					3		
14-037-60122	14	20 02 25	+ 0.2	906	80	1		
	14					2		
	14					3		
15-037-60122	15	20 00 54	- 1.3	918	76	1		
	15					2		
	15					3		
16-037-60122	16	19 59 23	- 2.8	927	71	1		CUFM Bands Eddy Cellular Fibrous
	16					2		
	16					3		
17-037-60122	17	19 57 52	- 4.3	935	66	1		
	17					2		
	17					3		
18-037-60122	18	19 56 21	- 5.8	940	61	1		
	18					2		
	18					3		
19-037-60122	19	19 54 50	- 7.4	944	56	1		
	19					2		
	19					3		
20-037-60122	20	19 53 19	- 8.9	946	51	1		
	20					2		
	20					3		
21-037-60122	21	19 51 48	-10.4	945	46	1		
	21					2		
	21					3		
22-037-60122	22	19 50 17	-11.9	943	41	1		BANDS Eddies Cellular
	22					2		
	22					3		
23-037-60122	23	19 48 46	-13.4	938	36	1		
	23					2		
	23					3		
24-037-60122	24	19 47 15	-14.9	931	31	1		
	24					2		
	24					3		
25-037-60122	25	19 45 44	-16.5	922	26	1		
	25					2		
	25					3		
26-037-60122	26	19 44 13	-18.0	911	21	1		
	26					2		
	26					3		
27-037-60122	27	19 42 42	-19.5	898	15	1		
	27					2		
	27					3		
28-037-60122	28	19 41 11	-21.0	882	10	1	ANTARCTICA	APPARENT CLOUDS
	28					2		
	28					3		
29-037-60122	29	19 39 40	-22.5	865	5	1		
	29					2		
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 30 Track 13

DATA ORBIT 37/38
DATE 30 August 1964
ASC. NODE 21 40 38 UT
151.39 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-038-60129	1	21 51 32	+10.9	785	59	1		
	1					2		CUFM
	1					3		Eddy
2-038-60129	2	21 50 01	+ 9.4	806	64	1		Narrow Lines of Cu
	2					2		Fibrous
	2					3		
3-038-60129	3	21 48 30	+ 7.9	825	69	1		
	3					2		
	3					3		
4-038-60129	4	21 46 59	+ 6.4	844	74	1		
	4					2	HAWAII	
	4					3		
5-038-6012?	5	21 45 28	+ 4.8	861	78	1		
	5					2		
	5					3		
6-038-60129	6	21 43 57	+ 3.3	878	82	1		
	6					2		ITC
	6					3		
7-038-60129	7	21 42 26	+ 1.8	892	82	1		
	7					2		
	7					3		
8-038-60129	8	21 40 55	+ 0.3	905	80	1		
	8					2		CUFM
	8					3		
9-038-60129	9	21 33 20	- 7.3	944	57	1		
	9					2		BANDS
	9					3		Some Frontal
10-038-60129	10	21 31 49	- 8.8	946	52	1		Eddies
	10					2		Cellular
	10					3		Streaks
11-038-60129	11	21 30 18	-10.3	946	46	1		
	11					2		
	11					3		
12-038-60129	12	21 28 47	-11.9	943	41	1		
	12					2		
	12					3		
13-038-60129	13	21 27 16	-13.4	939	36	1		
	13					2		
	13					3		
14-038-60129	14	21 25 45	-14.9	932	31	1		
	14					2		
	14					3		
15-038-60129	15	21 24 14	-16.4	924	26	1		
	15					2		
	15					3		
16-038-60129	16	21 2? 43	-17.9	913	21	1		
	16					2		
	16					3		
17-038-60129	17	21 21 12	-19.4	899	16	1		
	17					2	ANTARCTIC ICE	THIN CLOUDS
	17					3		
18-038-60129	18	21 19 41	-21.0	884	11	1		
	18					2		
	18					3		
19-038-60129	19	21 18 10	-22.5	867	5	1		
	19					2	ANTARCTICA	
	19					3		

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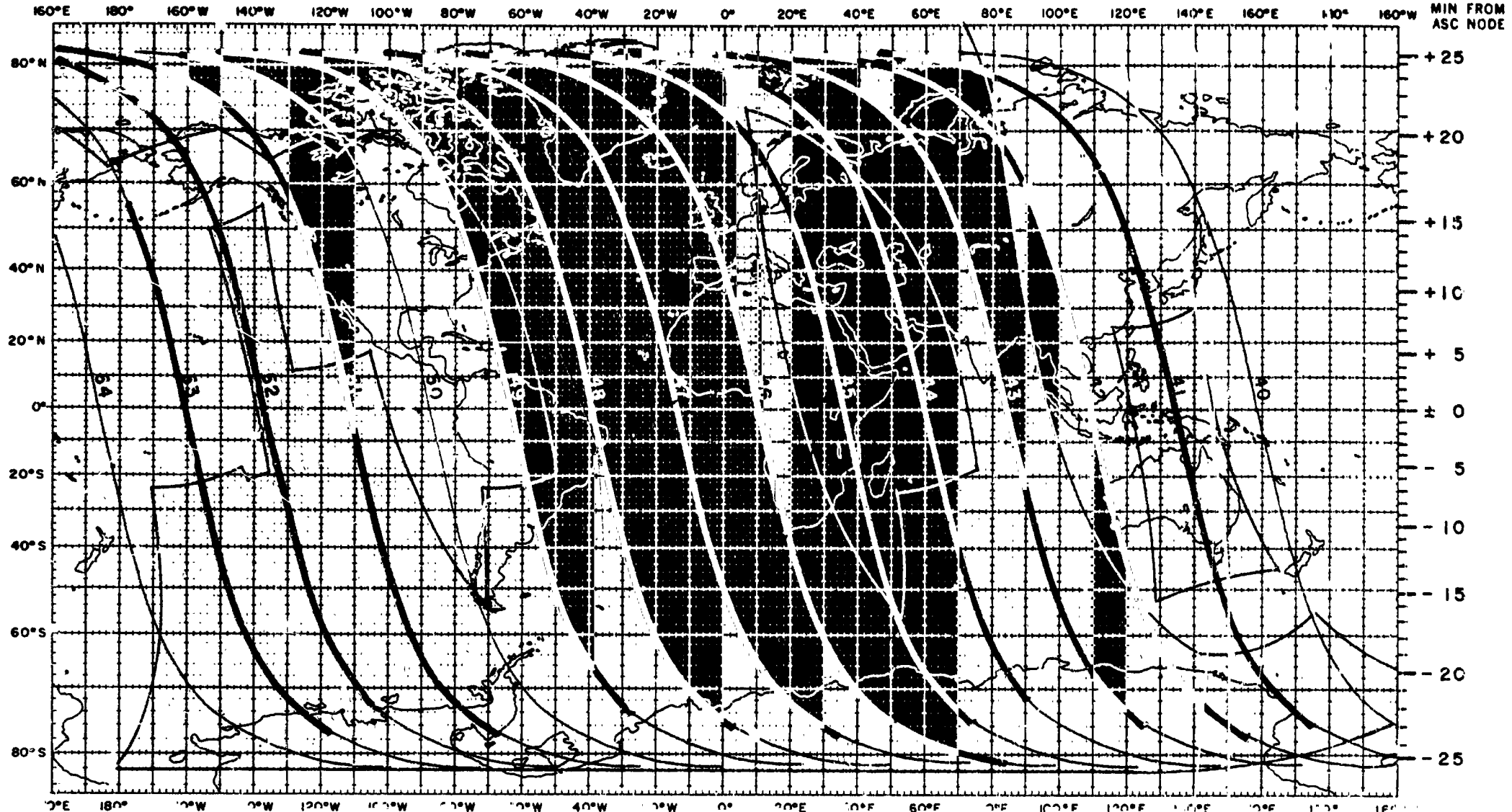
NIMBUS I DOCUMENTATION

31 August 1964

Orbits 39 through 54

AVCS DAILY COVERAGE MAP

31 AUGUST 1964
ORBITS 39 TO 54

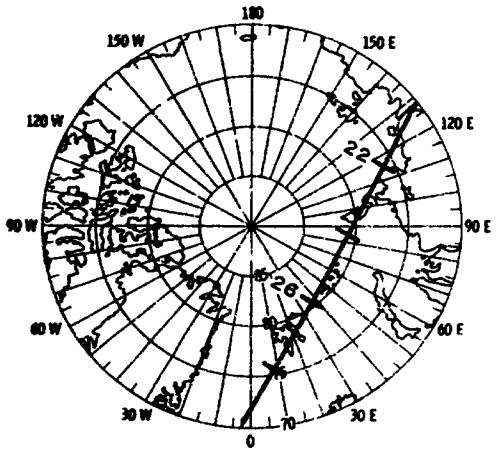


POLAR COVERAGE MAPS

31 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 40



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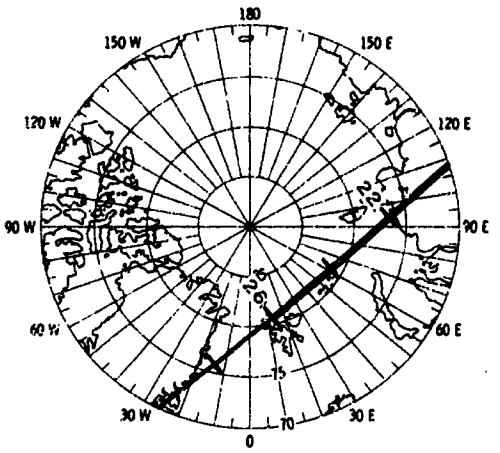

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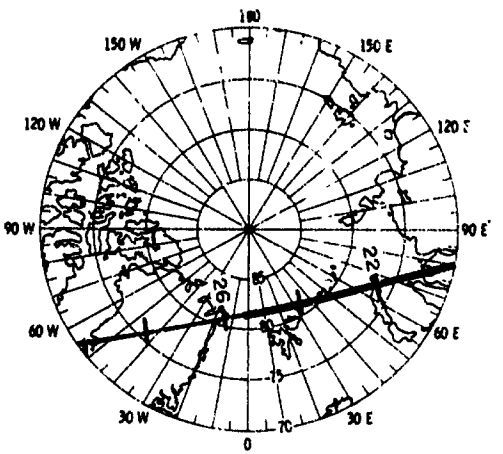

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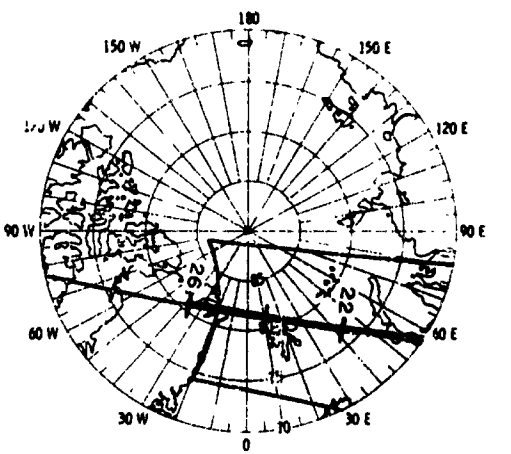
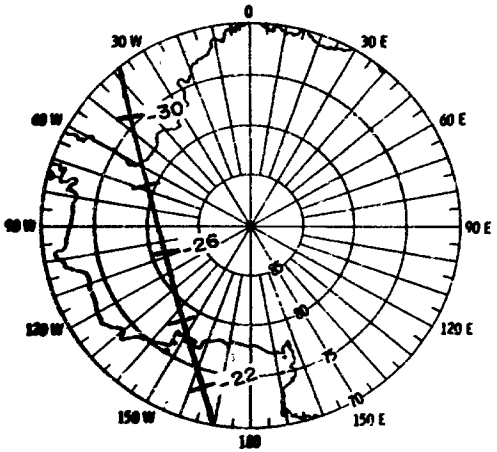


SOUTH POLAR REGIONS

DATA ORBIT 39



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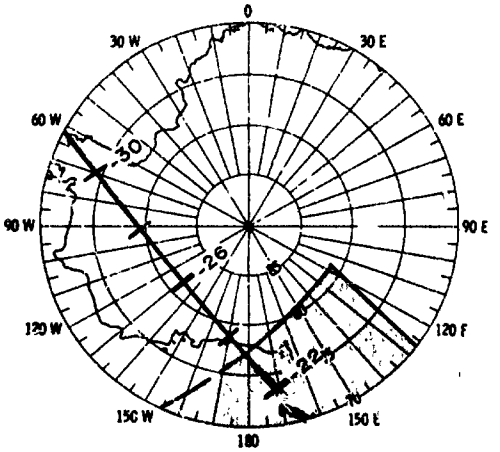

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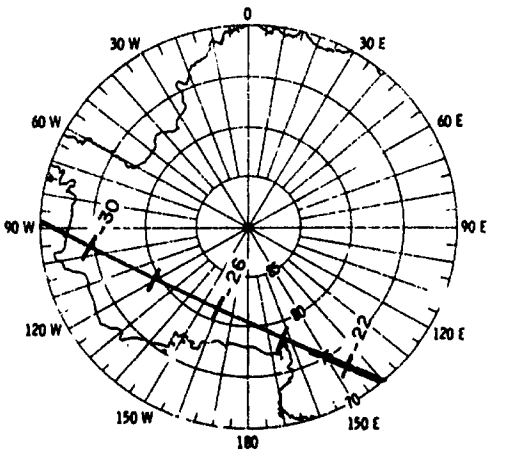

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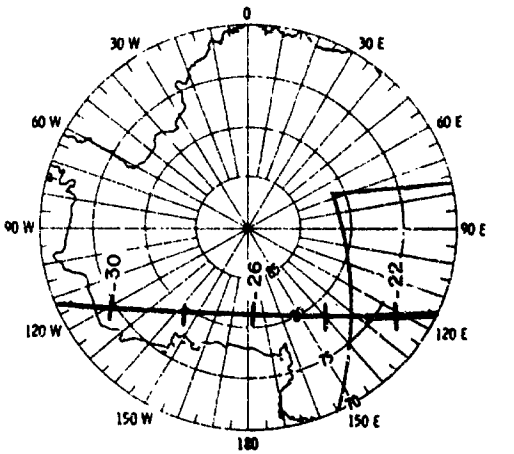
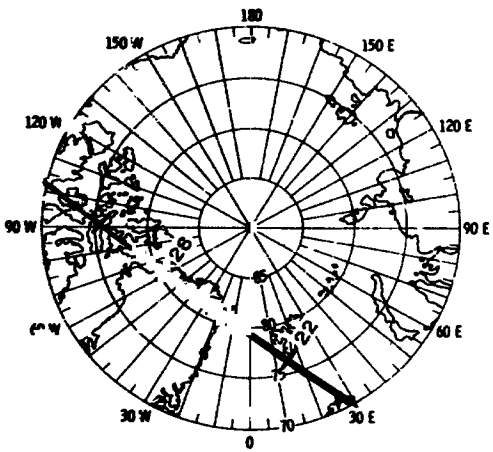


POLAR COVERAGE MAPS

31 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 44



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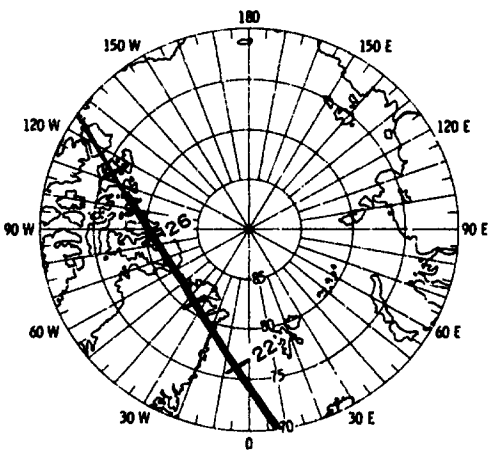

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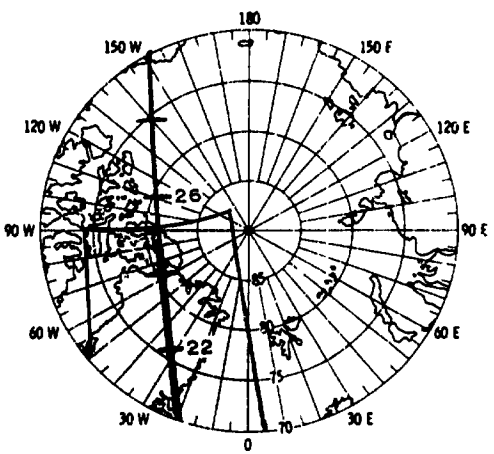

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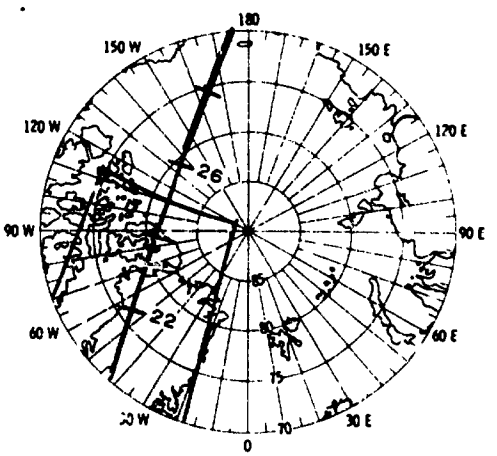
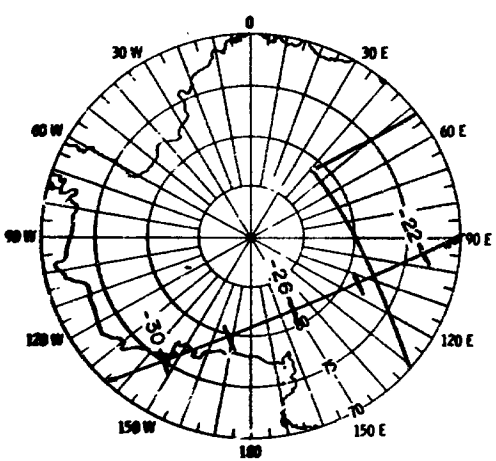


SOUTH POLAR REGIONS

DATA ORBIT 43



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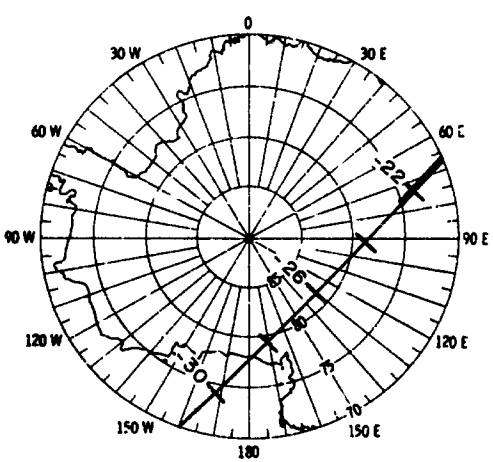

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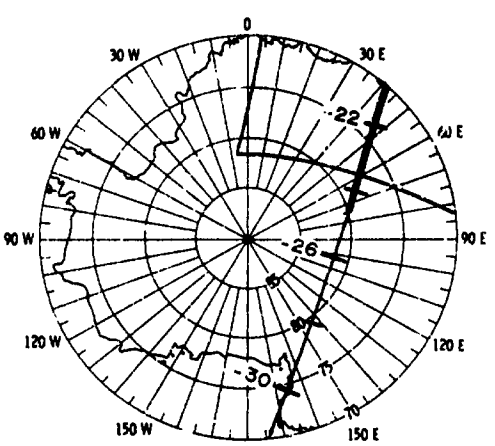

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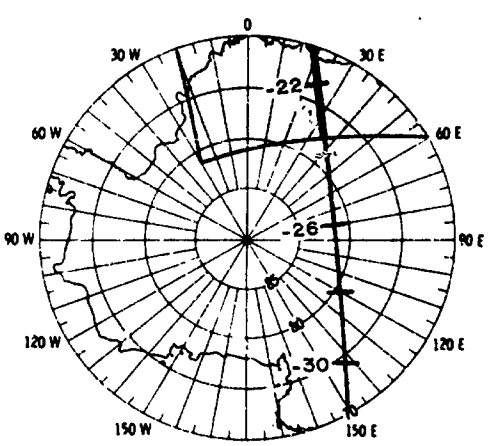
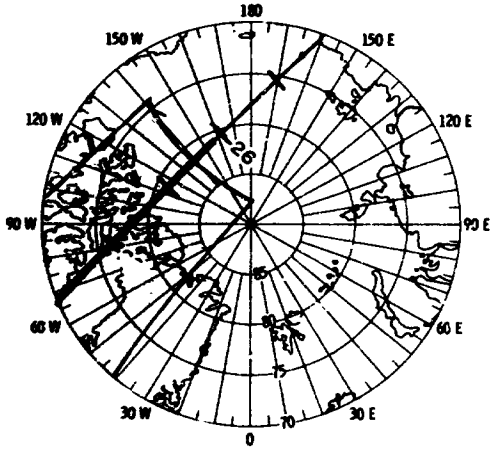


POLAR COVERAGE MAPS

31 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 48



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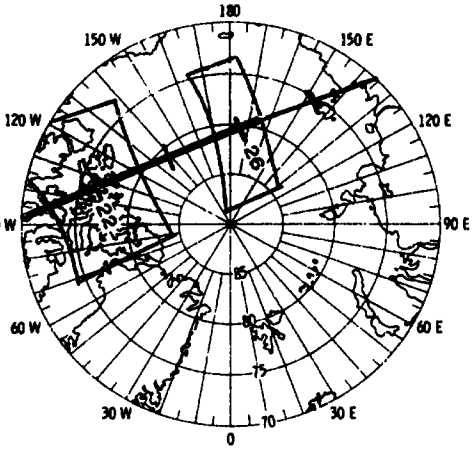

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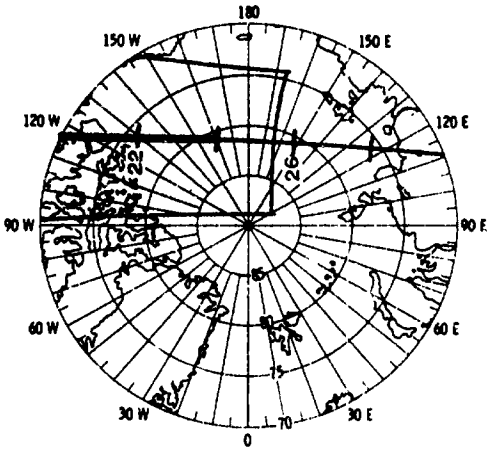

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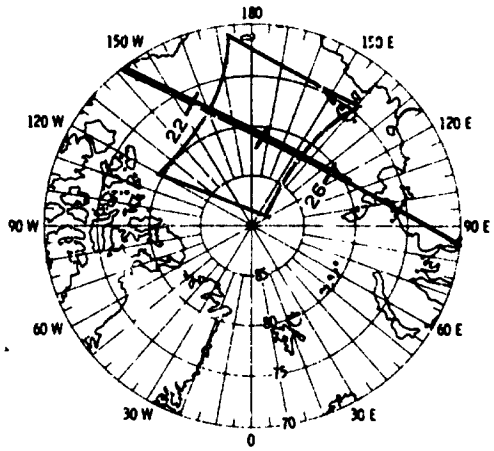
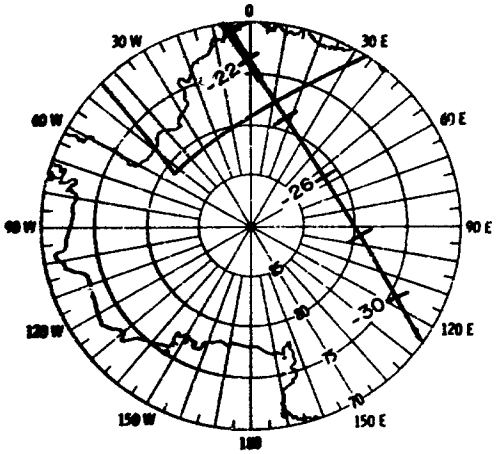


SOUTH POLAR REGIONS

DATA ORBIT 47



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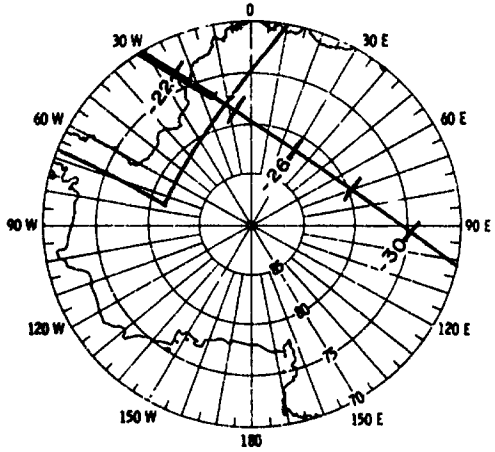

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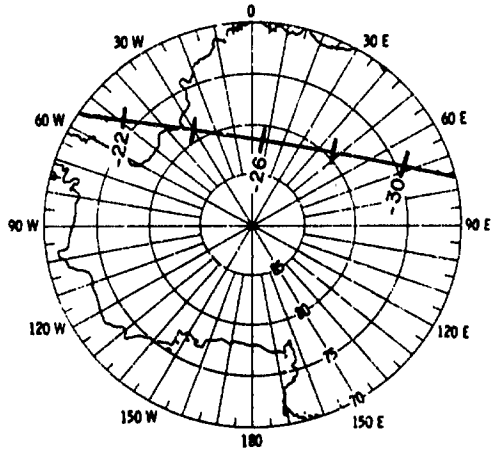

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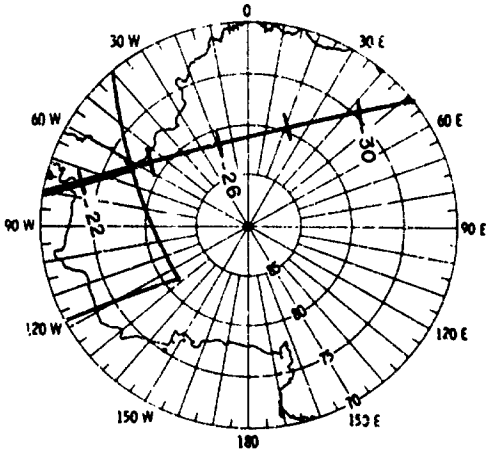
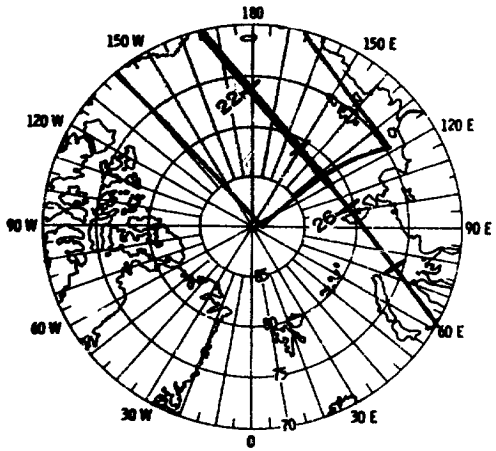


POLAR COVERAGE MAPS

31 AUGUST 1964

NORTH POLAR REGIONS

DATA ORBIT 52



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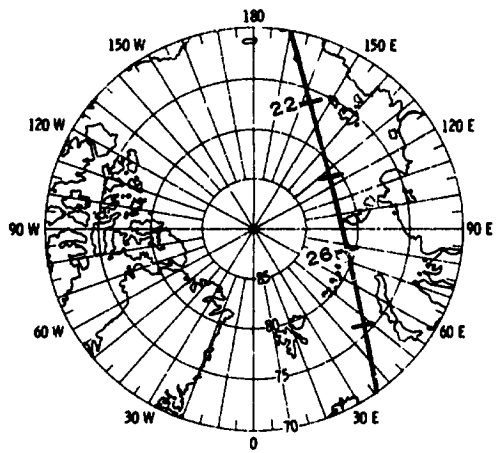

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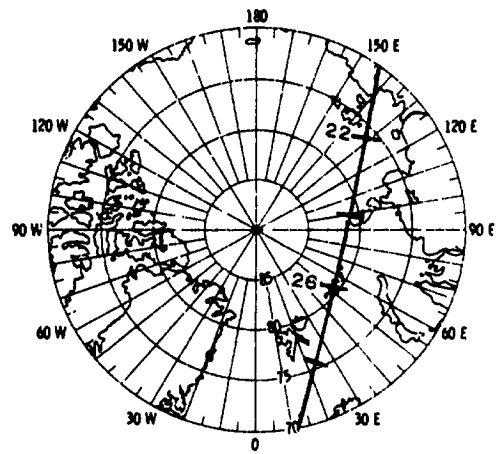

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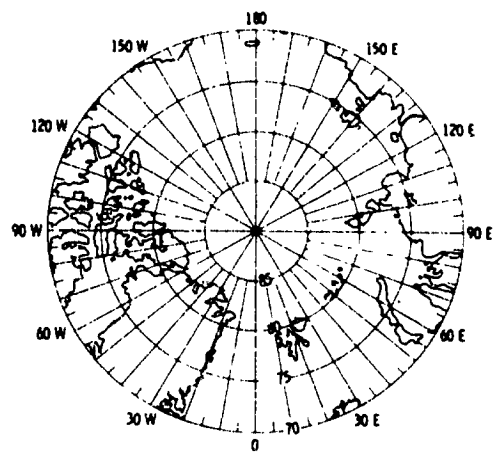
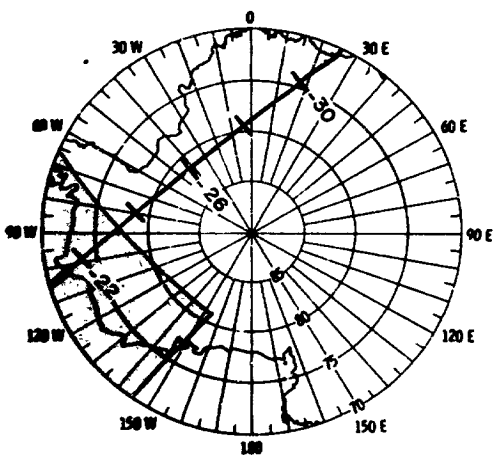
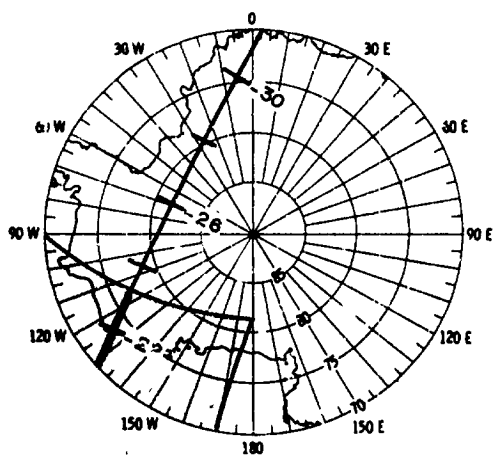


SOUTH POLAR REGIONS

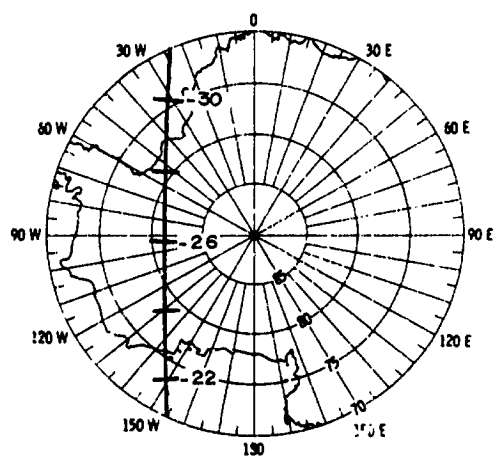
DATA ORBIT 51



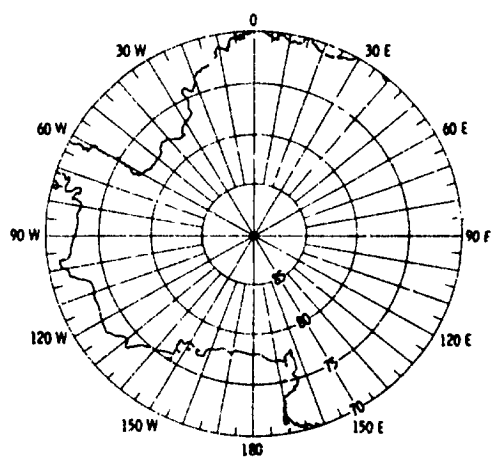
DATA ORBIT 52



DATA ORBIT 53



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 2

DATA ORBIT 40/ 41
DATE 31 August 1964
ASC. NODE 02 35 56 UT
134.79 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-045-60133	1	02 42 23	+ 6.5	842	73	1		Cufm
	1					2		Cufm
	1					3		Tropical Storm Ruby
2-046-60140	2	02 40 52	+ 4.9	859	78	1		Cufm
	2					2		Cufm
	2					3		Tropical Storm Ruby
3-046-60140	3	02 39 21	+ 3.4	875	81	1		CUFM
	3					2	Sun Glint	Some Cb
	3					3		
4-046-60140	4	02 37 50	+ 1.9	890	82	1		
	4					2		
	4					3		
5-046-60140	5	02 36 19	+ 0.4	903	80	1		STORM AREA
	5					2		
	5					3		
6-046-60140	6	02 34 48	- 1.1	916	76	1		
	6					2	NEW GUINEA	
	6					3		
7-046-60140	7	02 33 17	- 2.7	924	72	1		
	7					2	AUSTRALIA	
	7					3	Tasmania	
8-046-60140	8	02 31 46	- 4.2	934	67	1		
	8					2		CUFM & STFM
	8					3		Bands
9-046-60140	9	02 30 15	- 5.7	940	62	1		Streets
	9					2		Streaks
	9					3		Fibrous
10-046-60140	10	02 28 44	- 7.2	944	57	1		
	10					2		
	10					3		
11-046-60140	11	02 27 13	- 8.7	946	52	1		
	11					2		
	11					3		
12-046-60140	12	02 25 42	-10.2	946	47	1		
	12					2		
	12					3		
13-046-60140	13	02 24 11	-11.8	944	42	1		
	13					2		
	13					3		
14-046-60140	14	02 22 40	-13.3	940	37	1		
	14					2		
	14					3		
15-049-02915	15	02 16 36	-19.3	901	16	1		THIN BANDS
	15					2	ANTARCTICA	
	15					3	Pack Ice	
16-049-02915	16	02 15 05	-20.9	886	11	1		
	16					2		
	16					3		
17-049-02915	17	02 13 34	-22.4	870	6	1		
	17					2		
	17					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 4

DATA ORBIT 42/43
DATE 31 August 1964
ASC. NODE 05 52 49 UT
85.59 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-043-05344	1	06 17 28	+24.7	572	9	1	ARCTIC ICE	BANDS Some Frontal Streets Streaks
	1					2		
	1					3		
2-043-05344	2	06 15 57	+23.1	595	15	1		
	2					2		
	2					3		
3-043-05344	3	06 14 26	+21.6	618	20	1		
	3					2		
	3					3		
4-043-05344	4	06 12 55	+20.1	641	26	1		
	4					2		
	4					3		
5-043-05344	5	06 11 24	+18.6	664	31	1		
	5					2		
	5					3		
6-043-05344	6	06 09 53	+17.1	688	37	1		
	6					2		
	6					3		
7-043-05344	7	06 08 22	+15.6	711	42	1		
	7					2		
	7					3		
8-043-05344	8	06 06 51	+14.0	734	48	1	Aral Sea	
	8					2		
	8					3	Lake Saysan	
9-043-05344	9	06 05 20	+12.5	757	53	1	Syr River	MOSTLY CLEAR
	9					2	Ili River	
	9					3	Lake Sairam	
10-043-05344	10	06 03 49	+11.0	779	58	1	Amu River	
	10					2	Pamir Mts.	
	10					3	Takin Makan Desert	
11-043-05344	11	06 02 18	+ 9.5	800	64	1	Indus, Jhelum & Chenab River Valleys	
	11					2	Himalaya Mts. & Lake Pangong	
	11					3	Tibetan Plateau	
12-043-05344	12	06 00 47	+ 8.0	820	69	1	Indus River Valley	
	12					2		CUFM
	12					3		
13-045-60133	13	05 59 16	+ 6.5	839	74	1		
	13					2		CUFM Some Cb Cifm
	13					3		
14-045-60133	14	05 57 45	+ 4.9	857	77	1	INDIA & CEYLON	
	14					2		
	14					3		
15-045-60133	15	05 56 14	+ 3.4	874	81	1		
	15					2		
	15					3		
16-045-60133	16	05 54 43	+ 1.9	889	82	1		
	16					2		STORM AREA
	16					3		
17-045-60133	17	05 53 12	+ 0.4	903	81	1		
	17					2		
	17					3		
18-045-60133	18	05 51 41	- 1.1	915	76	1		
	18					2		
	18					3		
19-045-60133	19	05 50 10	- 2.7	925	72	1		
	19					2		
	19					3		
20-045-60133	20	05 48 39	- 4.2	933	67	1		
	20					2		
	20					3		
21-045-60133	21	05 47 08	- 5.7	940	61	1		
	21					2		FRONTAL BANDS Eddies Cellular Streaks Fibrous
	21					3		
22-045-60133	22	05 45 37	- 7.2	944	57	1		
	22					2		
	22					3		
23-045-60133	23	05 44 06	- 8.7	946	51	1		
	23					2		
	23					3		
24-045-60133	24	05 42 35	-10.2	946	46	1		
	24					2		
	24					3		
25-045-60133	25	05 41 04	-11.8	945	42	1		
	25					2		
	25					3		
26-045-60133	26	05 39 33	-13.3	940	37	1		
	26					2		
	26					3		
27-045-60133	27	05 38 02	-14.8	934	32	1		
	27					2		
	27					3		
28-045-60133	28	05 36 31	-16.3	926	26	1		
	28					2		
	28					3		
29-045-60133	29	05 35 00	-17.9	916	21	1		
	29					2		
	29					3		
30-045-60133	30	05 33 29	-19.3	903	16	1	ANTARCTICA	THIN CLOUDS
	30					2		
	30					3		
31-045-60133	31	05 31 58	-20.9	889	11	1		
	31					2		
	31					3		
32-045-60133	32	05 30 27	-22.4	872	6	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 5

DATA ORBIT 43/44
DATE 31 August 1964
ASC. NODE 07 31 15 UT
60.98 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-045-60133	1	07 23 55	- 7.3	944	57	1		CUFM Cellular Large Cells Fibrous
	1					2		
	1					3		
2-045-60133	2	07 22 24	- 8.9	946	51	1		
	2					2		
	2					3		
3-045-60133	3	07 20 53	-10.4	947	47	1		
	3					2		
	3					3		
4-045-60133	4	07 19 22	-11.9	945	41	1		
	4					2		
	4					3		
5-045-60133	5	07 17 51	-13 4	941	37	1		BANDS Eddies Cellular
	5					2		
	5					3		
6-045-60133	6	07 16 20	-14.9	934	31	1		
	6					2		
	6					3		
7-045-60133	7	07 14 49	-16.4	926	26	1		
	7					2		
	7					3		
8-045-60133	8	07 13 18	-18.0	915	21	1		
	8					2		
	8					3		
9-045-60133	9	07 11 47	-19.5	901	16	1	ANTARCTICA	
	9					2		
	9					3		
10-045-60133	10	07 10 16	-21.0	887	10	1		THIN CLOUDS
	10					2		
	10					3		
11-045-60133	11	07 08 45	-22.5	871	5	1		
	11					2		
	11					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 7

DATA ORBIT 45/46
DATE 31 August 1964
ASC. NODE 10 48 07 UT
11.77 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-046-60140	1	11 12 42	+24.6	571	9	1		
	1					2	ARCTIC ICE	MOSTLY CLEAR Some Thin Clouds
	1					3		
2-046-60140	2	11 11 11	+23.1	593	15	1		
	2					2	GREENLAND Ice Cap Fiords	
	2					3		
3-046-60140	3	11 09 [illegible]	+21.6	616	20	1		
	3					2		
	3					3		
4-046-60140	4	11 08 09	+20.0	639	26	1		
	4					2		BANDS
	4					3		
5-046-60140	5	11 06 38	+18.5	662	31	1		
	5					2		
	5					3		
6-046-60140	6	11 05 07	+17.0	686	37	1		
	6					2	EUROPE & MEDITERRANEAN SEA	
	6					3		
7-046-60140	7	11 03 36	+15.5	709	42	1		
	7					2		MOSTLY CLEAR Some Bands Cu Streets
	7					3		
8-046-60140	8	11 02 05	+14.0	732	48	1		
	8					2		
	8					3		
9-046-60140	9	11 00 34	+12.5	755	53	1		
	9					2		
	9					3		
10-046-60140	10	10 59 03	+10.9	777	58	1		
	10					2		
	10					3		
11-046-60140	11	10 57 32	+ 9.4	798	64	1		
	11					2	AFRICA Sahara Etosha Pan Okavango Swamps Cuito, Cuando, Orange & Zambezi Rivers Lake Kariba	MOSTLY CLEAR
	11					3		
12-046-60140	12	10 56 01	+ 7.9	819	69	1		
	12					2		
	12					3		
13-046-60140	13	10 54 30	+ 6.4	838	74	1		
	13					2		
	13					3		
14-046-60140	14	10 52 59	+ 4.9	856	78	1		
	14					2		
	14					3		
15-046-60140	15	10 51 28	+ 3.4	872	81	1		
	15					2		CUFM & STFM Some Cb Fibrous
	15					3		
16-046-60140	16	10 49 57	+ 1.8	887	82	1		
	16					2		
	16					3		
17-046-60140	17	10 48 26	+ 0.3	901	80	1		
	17					2		
	17					3		
18-046-60140	18	10 46 55	- 1.2	913	76	1		
	18					2		
	18					3		
19-046-60140	19	10 45 24	- 2.7	923	72	1		
	19					2		
	19					3		
20-046-60140	20	10 43 53	- 4.2	932	67	1		
	20					2		MOSTLY CLEAR Bands over Water St along Cst. Cu Streets
	20					3		
21-046-60140	21	10 42 22	- 5.8	939	62	1		
	21					2		
	21					3		
22-046-60140	22	10 40 51	- 7.3	943	57	1		
	22					2		
	22					3		
23-046-60140	23	10 39 20	- 8.8	946	51	1		
	23					2		
	23					3		
24-046-60140	24	10 37 49	-10.3	946	47	1		
	24					2		BANDS Some Frontal Streaks
	24					3		
25-046-60140	25	10 36 18	-11.8	945	42	1		
	25					2		
	25					3		
26-046-60140	26	10 34 47	-13.3	941	37	1		
	26					2		
	26					3		
27-046-60140	27	10 33 16	-14.9	935	32	1		
	27					2		
	27					3		
28-046-60140	28	10 31 45	-16.4	927	26	1		
	28					2		
	28					3		
29-046-60140	29	10 30 14	-17.9	916	21	1		
	29					2		
	29					3		
30-046-60140	30	10 28 43	-19.4	904	16	1		
	30					2		APPARENT CLOUDS
	30					3		
31-046-60140	31	10 27 12	-20.9	889	11	1		
	31					2	ANTARCTICA	
	31					3		
32-046-60140	32	10 25 41	-22.4	873	6	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 8

DATA ORBIT 46/47
DATE 31 August 1964
ASC. NODE 12 26 33 UT
12.83 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-047-60146	1	12 51 01	+24.5	570	9	1		
	1					2	ARCTIC ICE	BANDS Some Thin
	1					3		
2-047-60146	2	12 49 33	+23 0	593	15	1		
	2					2	GREENLAND Ice Cap Fiords	
	2					3		
3-047-60146	3	12 48 02	+21.5	616	20	1		
	3					2		
	3					3		
4-047-60146	4	12 46 31	+20 0	639	26	1		
	4					2		
	4					3		
5-047-60146	5	12 45 00	+18 5	662	32	1		FRONTAL BANDS Vortex Vicinity 56 N Eddies
	5					2		
	5					3		
6-047-60146	6	12 43 29	+16.9	686	37	1		
	6					2		
	6					3		
7-047-60146	7	12 41 58	+15 4	709	43	1		
	7					2		
	7					3		
8-047-60146	8	12 40 27	+13 9	732	48	1		
	8					2		
	8					3		
9-047-60146	9	12 38 56	+12 4	754	53	1		
	9					2		
	9					3		
10-047-60146	10	12 37 25	+10 9	777	59	1		
	10					2		
	10					3		
11-047-60146	11	12 35 54	+ 9.4	798	64	1		MOSTLY CLEAR Some Cufm St along Cst.
	11					2	AFRICA	
	11					3		
12-047-60146	12	12 34 23	+ 7.8	818	69	1		
	12					2		
	12					3		
13-047-60146	13	12 32 52	+ 6.3	838	74	1		
	13					2		
	13					3		
14-047-60146	14	12 31 21	+ 4.8	856	78	1		CUFM & STFM Some Cb
	14					2		
	14					3		
15-047-60146	15	12 29 50	+ 3.3	872	82	1		
	15					2		
	15					3		
16-047-60146	16	12 28 19	+ 1.8	887	82	1		
	16					2		
	16					3		
17-047-60146	17	12 26 48	+ 0 3	901	80	1		
	17					2		
	17					3		
18-047-60146	18	12 25 17	- 1 3	914	76	1		CUFM Large Cellular Field Actiniform
	18					2		
	18					3		
19-047-60146	19	12 23 46	- 2 8	924	71	1		
	19					2		
	19					3		
20-047-60146	20	12 22 15	- 4.3	932	67	1		
	20					2		
	20					3		
21-047-60146	21	12 20 44	- 5 8	938	62	1		
	21					2		
	21					3		
22-047-60146	22	12 19 13	- 7.3	944	57	1		BANDS Some Frontal Eddies Large Cellular Field
	22					2		
	22					3		
23-047-60146	23	12 17 42	- 8.9	946	52	1		
	23					2		
	23					3		
24-047-60146	24	12 16 11	-10.4	947	47	1		
	24					2		
	24					3		
25-047-60146	25	12 14 40	-11.9	945	42	1		
	25					2		
	25					3		
26-047-60146	26	12 13 09	-13.4	943	37	1		
	26					2		
	26					3		
27-049-02915	27	12 11 38	-14.9	935	31	1		
	27					2		
	27					3		
28-049-02915	28	12 10 07	-16 4	927	26	1		
	28					2		
	28					3		
29-049-02915	29	12 08 36	-18.0	916	21	1		
	29					2		
	29					3		
30-049-02915	30	12 07 05	-19 5	904	16	1		
	30					2		THIN CLOUDS
	30					3		
31-049-02915	31	12 05 34	-21.0	889	10	1		
	31					2	ANTARCTICA	
	31					3		
32-049-02915	32	12 04 03	-22.5	873	5	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 9

DATA ORBIT 47/48
DATE 31 August 1964
ASC. NODE 14 04 59 UT
37.44 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-049-02915	1	14 29 32	+24.6	569	9	1		
	1					2	ARCTIC ICE	THIN BANDS
	1					3		
2-049-02915	2	14 28 01	+23.0	591	15	1	Parry Is.	
	2					2	Sverdrup Is.	
	2					3	Ellesmere I.	
3-049-02915	3	14 26 30	+21.5	614	20	1		
	3					2	GREENLAND & BAFFIN I.	
	3					3		
4-049-02915	4	14 24 59	+20.0	637	26	1		
	4					2		
	4					3		
5-049-02915	5	14 23 28	+18.5	661	32	1		
	5					2		BANDS
	5					3		Some Frontal
6-049-02915	6	14 21 57	+17.0	684	37	1		Eddies
	6					2		
	6					3		
7-049-02915	7	14 20 26	+15 5	708	42	1	Labrador	
	7					2	Labrador	
	7					3		
8-049-02915	8	14 18 55	+13.9	731	48	1	Newfoundland	
	8					2	Newfoundland	
	8					3		
9-049-02915	9	14 17 24	+12.4	754	53	1		
	9					2		
	9					3		
10-049-02915	10	14 15 53	+10 9	776	58	1		
	10					2		CUFM
	10					3		Cellular
11-049-02915	11	14 14 22	+ 9.4	797	64	1		Cb
	11					2		
	11					3		
12-049-02915	12	14 12 51	+ 7.9	817	69	1		
	12					2		
	12					3		
13-049-02915	13	14 11 20	+ 6 4	836	74	1		
	13					2		
	13					3		
14-049-02915	14	14 09 49	+ 4.8	854	78	1		
	14					2		TROPICAL STORM DORA
	14					3		
15-049-02915	15	14 08 18	+ 3.3	871	82	1		
	15					2		
	15					3		
16-049-02915	16	14 06 47	+ 1.8	887	82	1		
	16					2		
	16					3		
17-049-02915	17	14 05 16	+ 0.3	901	80	1		
	17					2	SOUTH AMERICA	CUFM
	17					3		Numerous Small Cu over [illegible]
18-049-02915	18	14 03 45	- 1.2	913	76	1		Fibrous
	18					2		
	18					3		
19-049-02915	19	14 02 14	- 2.8	924	71	1		
	19					2		
	19					3		
20-049-02915	20	14 00 43	- 1.3	933	66	1		
	20					2		
	20					3		
21-049-02915	21	13 59 12	- 5 8	939	61	1		
	21					2		
	21					3		
22-049-02915	22	13 57 41	- 7 3	943	56	1		
	22					2		
	22					3		
23-049-02915	23	13 56 10	- 8.8	946	51	1		
	23					2		FRONTAL BANDS
	23					3		Wave Vicinit[illegible]
24-049-02915	24	13 54 39	-10.3	946	46	1		
	24					2		
	24					3		
25-049-02915	25	13 53 08	-11.9	945	41	1		
	25					2		
	25					3		
26-049-02915	26	13 51 37	-13.4	941	36	1		
	26					2		
	26					3		
27-049-02915	27	13 50 06	-14.9	935	31	1		
	27					2		
	27					3		
28-049-02915	28	13 48 35	-16.4	927	26	1		
	28					2		
	28					3		
29-049-02915	29	13 47 04	-17.9	917	21	1		
	29					2		
	29					3		
30-049-02915	30	13 45 33	-19.4	904	16	1		
	30					2		APPARENT CLOUDS
	30					3		
31-049-02915	31	13 44 02	-21.0	890	11	1		
	31					2	ANTARCTICA	
	31					3		
32-049-02915	32	13 42 31	-22.5	874	5	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 10

DATA ORBIT 48/49
DATE 31 August 1964
ASC. NODE 15 43 26 UT
62.04 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-050-02907	1	16 09 16	+25 8	550	4	1		
	1					2	ARCTIC ICE	THIN CLOUDS
	1					3		
2-050-02907	2	16 06 14	+22.8	594	16	1	Parry Is	
	2					2	Parry Is.	
	2					3		
3-050-02907	3	16 04 43	+21.3	617	21	1		
	3					2		
	3					3	Devon & Ellesmere Is	
4-049-02915	4	15 35 54	- 7 5	944	56	1		
	4					2	SOUTH AMERICA	MOSTLY CLEAR
	4					3		
5-049-02915	5	15 34 23	- 9.1	946	51	1		
	5					2		FRONTAL BANDS
	5					3		Vortex Vicinity 56 S
6-049-02915	6	15 32 52	-10.6	947	46	1		Eddies
	6					2		
	6					3		
7-049-02915	7	15 31 21	-12.1	945	41	1		
	7					2		
	7					3		
8-049-02915	8	15 29 50	-13.6	941	36	1		
	8					2		
	8					3		
9-049-02915	9	15 28 19	-15.1	935	31	1		
	9					2		
	9					3		
10-049-02915	10	15 26 48	-16.6	926	26	1		
	10					2		
	10					3		
11-049-02915	11	15 25 17	-18.2	916	20	1		
	11					2		
	11					3		
12-049-02915	12	15 23 46	-19.7	903	15	1		
	12					2		
	12					3		
13-049-02915	13	15 22 15	-21.2	889	10	1		
	13					2	ANTARCTIC ICE	THIN CLOUDS
	13					3		
14-049-02915	14	15 20 44	-22.7	872	5	1		
	14					2	ANTARCTICA	
	14					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 11

DATA ORBIT 49/50
DATE 31 August 1964
ASC. NODE 17 21 52 UT
86.05 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-051-60167	1	17 46 51	+25.0	561	7	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-051-60167	2	17 45 20	+23.5	583	13	1		
	2					2		
	2					3		
3-051-60167	3	17 43 49	+22.0	606	19	1		
	3					2		
	3					3		
4-051-60167	4	17 42 18	+20.4	629	24	1		BANDS
	4					2		
	4					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 12

DATA ORBIT 50/51
DATE 31 August 1964
ASC. NODE 19 00 18 UT
111.25 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-052-60172	1	19 24 41	+24.4	569	10	1	ARCTIC ICE	APPARENT CLOUDS
	1					2		
	1					3		
2-052-60172	2	19 21 10	+22.9	591	15	1		
	2					2		
	2					3		
3-051-60167	3	19 03 27	+ 7.2	872	82	1		VTC
	3					2		
	3					3		
4-051-60167	4	19 01 36	+ 1.6	887	82	1		
	4					2		
	4					3		
5-051-60167	5	19 00 25	+ 0.1	901	80	1		CUFM Cellular Actiniform
	5					2		
	5					3		
6-051-60167	6	18 58 54	- 1.4	913	76	1		
	6					2		
	6					3		
7-051-60167	7	18 57 23	- 2.9	924	71	1		FRONTAL BANDS Vortices Vicinity 28 S & 55 S Eddies Cellular
	7					2		
	7					3		
8-051-60167	8	18 55 52	- 4.4	932	66	1		
	8					2		
	8					3		
9-051-60167	9	18 54 21	- 6.0	939	61	1		
	9					2		
	9					3		
10-051-60167	10	18 52 50	- 7.5	944	56	1		
	10					2		
	10					3		
11-051-60167	11	18 51 19	- 9.0	947	51	1		
	11					2		
	11					3		
12-051-60167	12	18 49 48	-10.5	947	46	1		
	12					2		
	12					3		
13-051-60167	13	18 48 17	-12.0	945	41	1		
	13					2		
	13					3		
14-051-60167	14	18 46 46	-13.5	942	36	1		
	14					2		
	14					3		
15-051-60167	15	18 45 15	-15.1	936	31	1		
	15					2		
	15					3		
16-051-60167	16	18 43 44	-16.6	928	26	1		
	16					2		
	16					3		
17-051-60167	17	18 42 13	-18.1	918	21	1		
	17					2		
	17					3		
18-051-60167	18	18 40 42	-19.6	905	15	1	ANTARCTICA	
	18					2		
	18					3		
19-051-60167	19	18 39 11	-21.1	891	10	1		THIN CLOUDS
	19					2		
	19					3		
20-051-60167	20	18 37 40	-22.6	875	5	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 13

DATA ORBIT 51/52
DATE 31 August 1964
ASC. NODE 20 38 44 UT
135 85 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-064-02947	1	21 03 13	+24.5	567	9	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-064-02947	2	21 01 42	+23.0	589	15	1		
	2					2		
	2					3		
3-064-02947	3	21 00 11	+21.5	611	20	1		BANDS
	3					2		
	3					3		
4-064-02947	4	20 58 40	+20.0	635	26	1	Anadyr Bay	
	4					2		
	4					3		
5-052-60172	5*	20 52 36	+13.9	726	48	1		
	5					2		
	5					3		
6-052-60172	6*	20 51 05	+12.4	751	52	1		
	6					2		
	6					3		
7-052-60172	7*	20 49 34	+10.8	773	59	1		
	7					2		
	7					3		
8-052-60172	8*	20 48 03	+ 9.3	794	64	1		CUFM Cellular Large Cells
	8					2		
	8					3		
9-052-60172	9*	20 46 32	+ 7.8	815	69	1		
	9					2		
	9					3		
10-052-60172	10*	20 45 01	+ 6.3	834	74	1		
	10					2		
	10					3		
11-052-60172	11*	20 43 30	+ 4.8	853	78	1		STORM AREA
	11					2		
	11					3		
12-052-60172	12*	20 41 59	+ 3.3	869	82	1		
	12					2		
	12					3		
13-052-60172	13*	20 40 28	+ 1.7	885	82	1		SMALL CUFM
	13					2		
	13					3		
14-052-60172	14*	20 38 57	+ 0.2	899	80	1		
	14					2		
	14					3		
15-052-60172	15*	20 37 26	- 1.3	911	76	1		
	15					2		
	15					3		
16-052-60172	16*	20 35 55	- 2.8	922	71	1		CUFM Cellular Fibrous
	16					2		
	16					3		
17-052-60172	17*	20 34 24	- 4.3	931	67	1		
	17					2		
	17					3		
18-052-60172	18*	20 32 53	- 5.9	939	62	1		
	18					2		
	19					3		
19-052-60172	19	20 31 22	- 7.4	943	57	1		
	19					2		
	19					3		
20-052-60172	20	20 29 51	- 8.9	946	52	1		
	20					2		
	20					3		
21-052-60172	21	20 28 20	-10.4	947	47	1		FRONTAL BANDS Eddies
	21					2		
	21					3		
22-052-60172	22	20 26 49	-11.9	946	42	1		
	22					2		
	22					3		
23-052-60172	23	20 25 18	-13.4	942	36	1		
	23					2		
	23					3		
24-052-60172	24	20 23 47	-15.0	937	31	1		
	24					2		
	24					3		
25-052-60172	25	20 22 18	-16.5	929	26	1		
	25					2		
	25					3		
26-052-60172	26	20 20 45	-18.0	919	21	1		
	26					2		
	26					3		
27-052-60172	27	20 19 14	-19.5	907	16	1		
	27					2		
	27					3		
28-052-60172	28	20 17 43	-21.0	892	11	1		
	28					2	ANTARCTICA	
	28					3		
29-052-60172	29	20 16 12	-22.5	876	5	1		THIN CLOUDS
	29					2		
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 August 31 Track 14

DATA ORBIT 52/53
DATE 31 August 1964
ASC NODE 22 17 10 UT
160.46 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-064-02947	1	22 09 55	- 7.3	943	57	1		FRONTAL SYSTEM Vortex Vicinity 39 S Eddies
	1					2		
	1					3		
2-064-02947	2	22 08 24	- 8.8	946	52	1		
	2					2		
	2					3		
3-064-02947	3	22 06 53	-10.3	948	47	1		
	3					2		
	3					3		
4-064-02947	4	22 05 22	-11.8	946	42	1		
	4					2		
	4					3		
5-064-02947	5	22 03 51	-13.3	943	37	1		
	5					2		
	5					3		
6-064-02947	6	22 02 20	-14.8	938	32	1		
	6					2		
	6					3		
7-064-02947	7	22 00 49	-16.4	930	26	1		
	7					2		
	7					3		
8-064-02947	8	21 59 18	-17.9	920	21	1		
	8					2		
	8					3		
9-064-02947	9	21 57 47	-19.4	909	16	1		
	9					2	ANTARCTIC ICE	
	9					3		
10-064-02947	10	21 56 16	-20.9	895	11	1		APPARENT THIN CLOUDS
	10					2		
	10					3		
11-064-02947	11	21 54 45	-22 4	879	6	1		
	11					2	ANTARCTICA	
	11					3		

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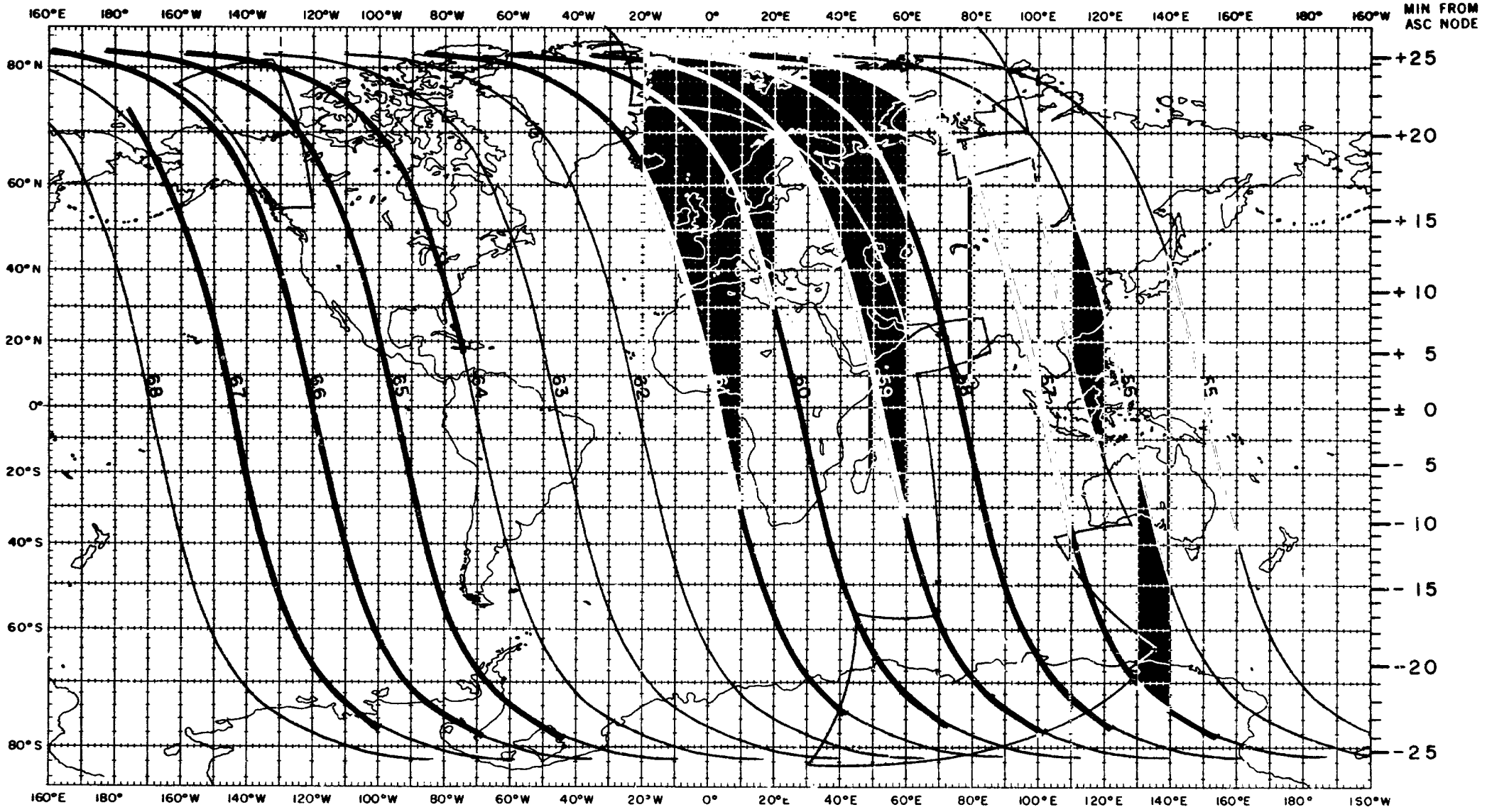
NIMBUS I DOCUMENTATION

1 September 1964

Orbits 54 through 68

AVCS DAILY COVERAGE MAP

1 SEPTEMBER 1964
ORBITS 54 TO 68

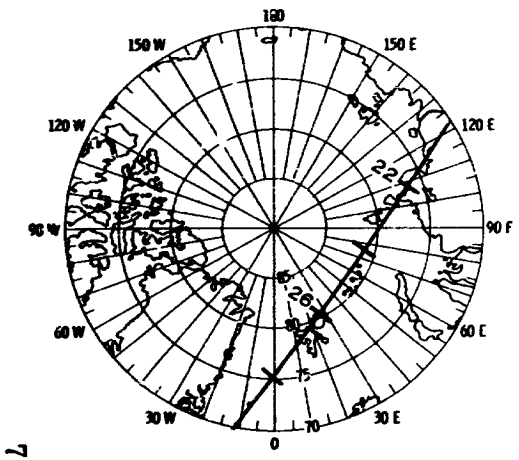


POLAR COVERAGE MAPS

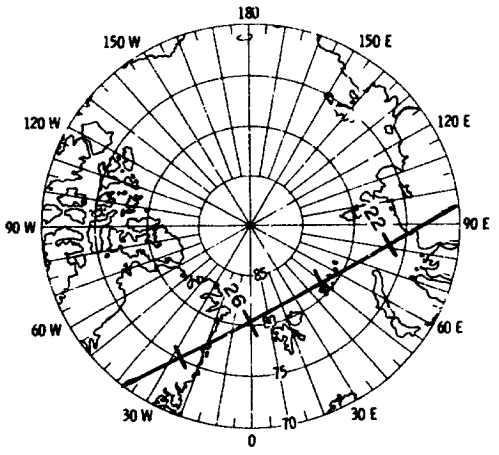
1 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 55



DATA ORBIT 56



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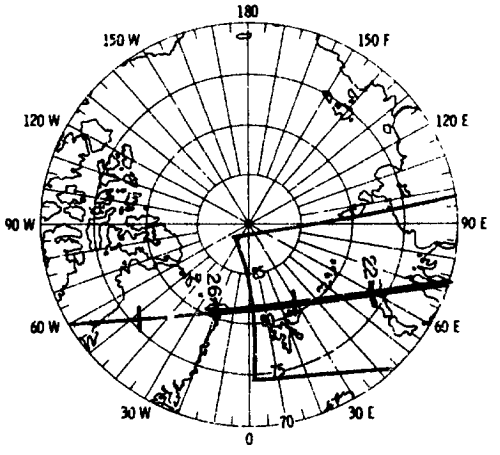
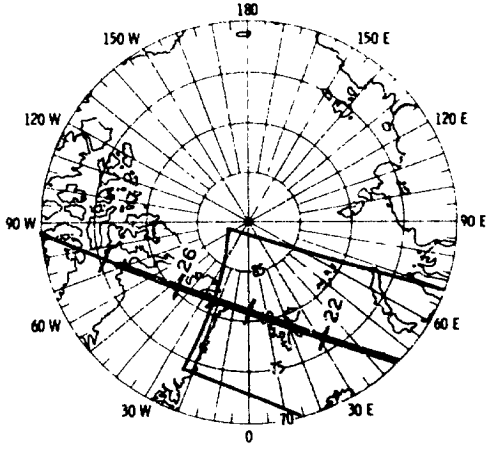
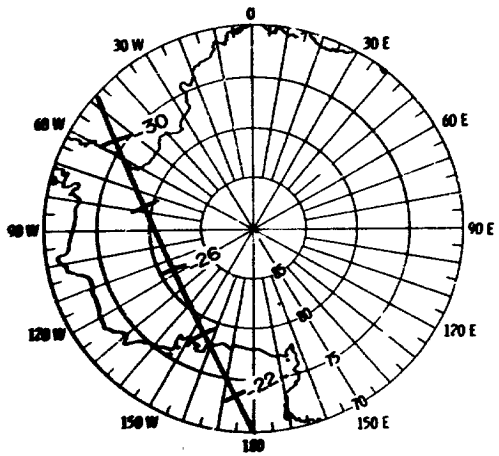


DATA ORBIT 58



SOUTH POLAR REGIONS

DATA ORBIT 54



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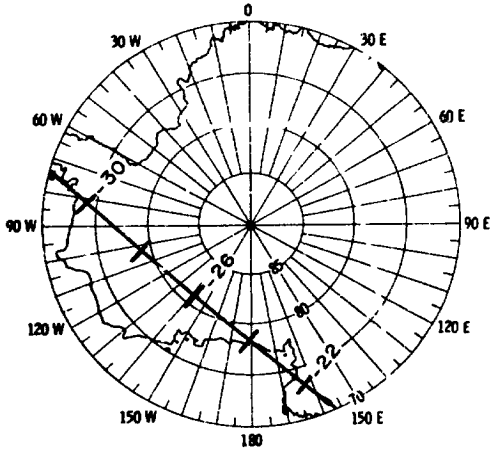

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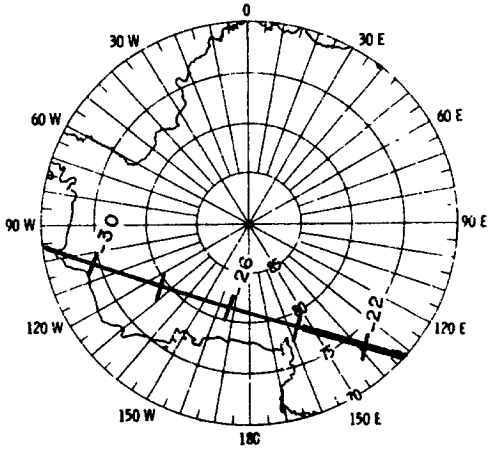

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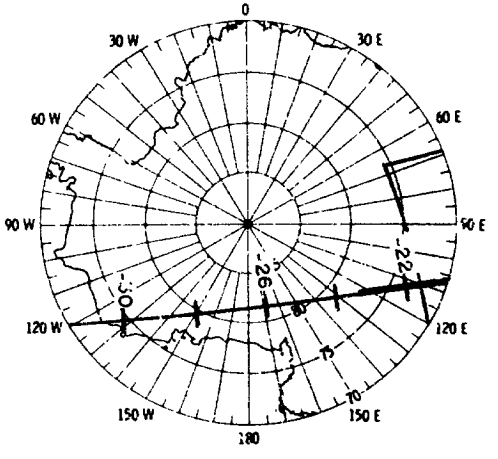
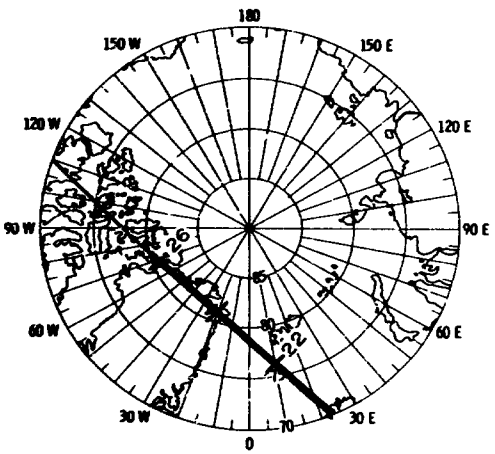


POLAR COVERAGE MAPS

1 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 59



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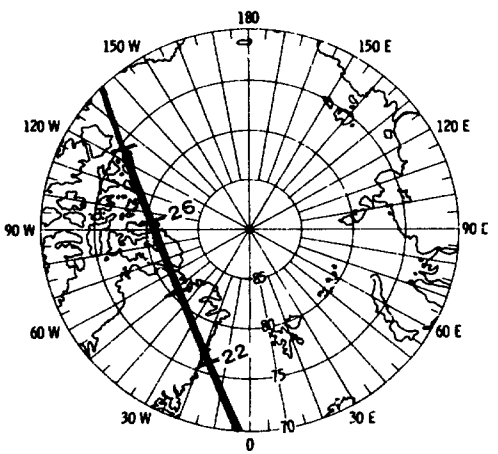
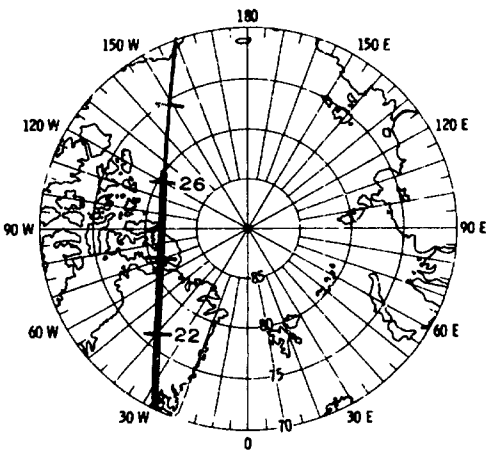
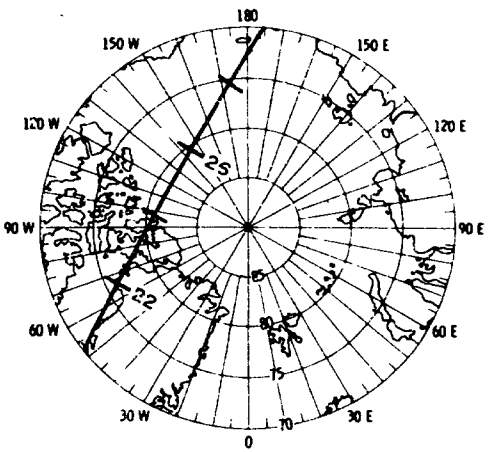


DATA ORBIT 61

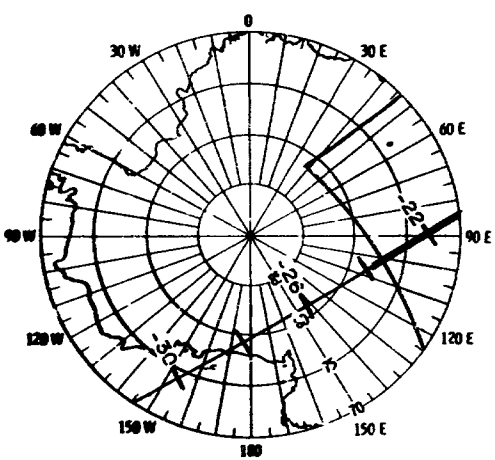


DATA ORBIT 62



SOUTH POLAR REGIONS

DATA ORBIT 58



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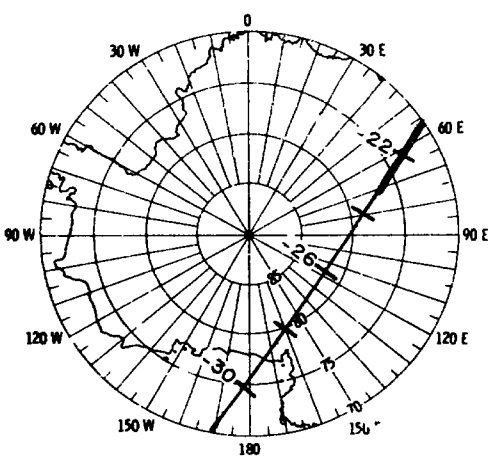

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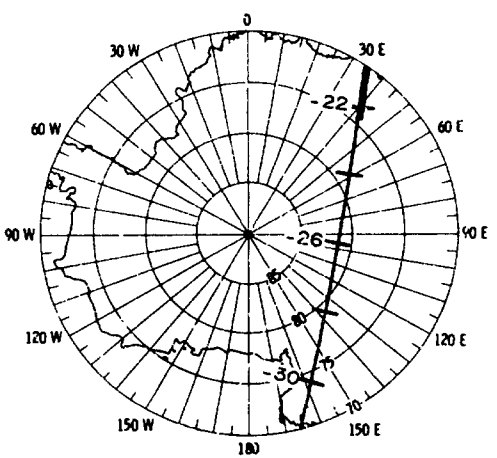

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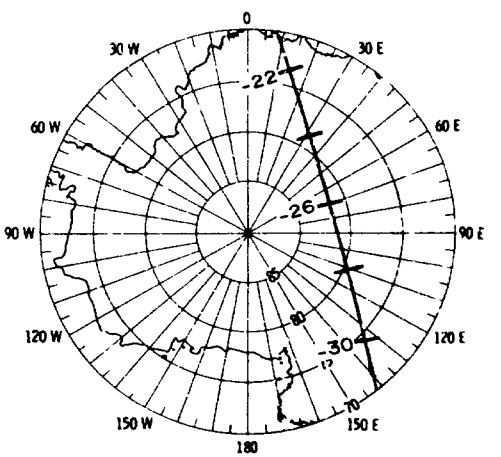
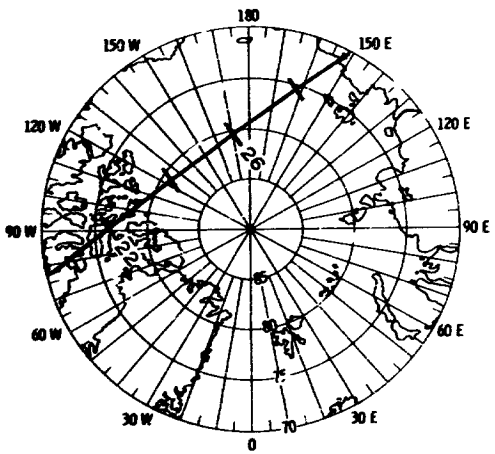


POLAR COVERAGE MAPS

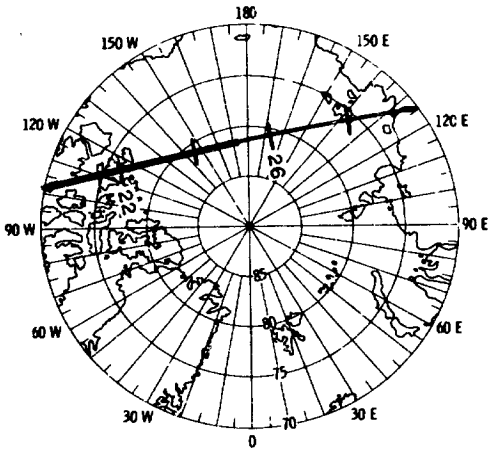
1 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 63



DATA ORBIT 64



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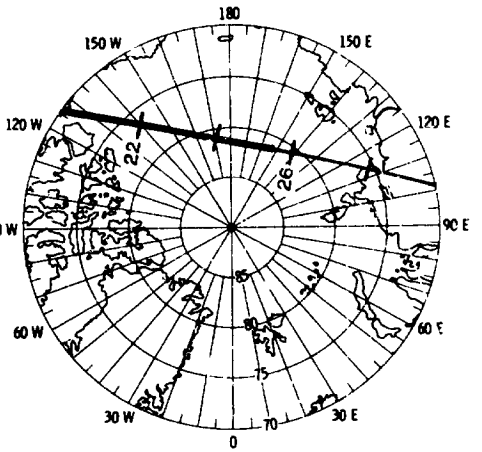

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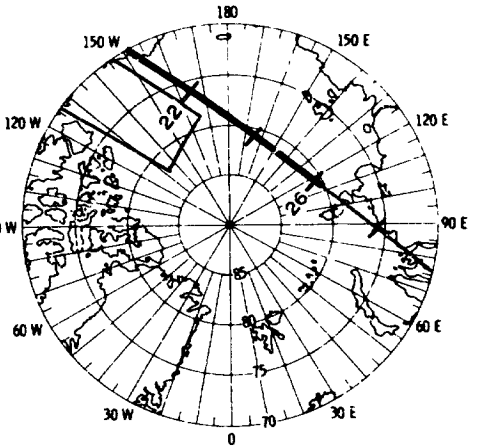
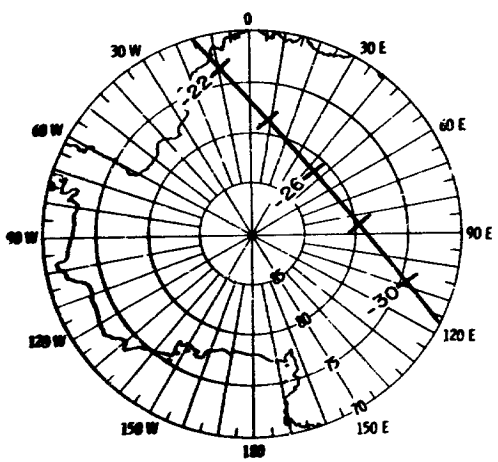
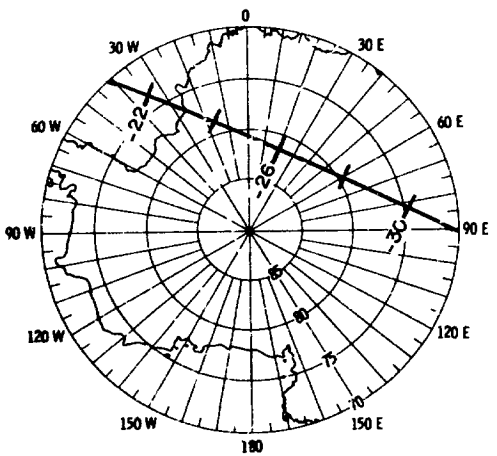


SOUTH POLAR REGIONS

DATA ORBIT 62



DATA ORBIT 63



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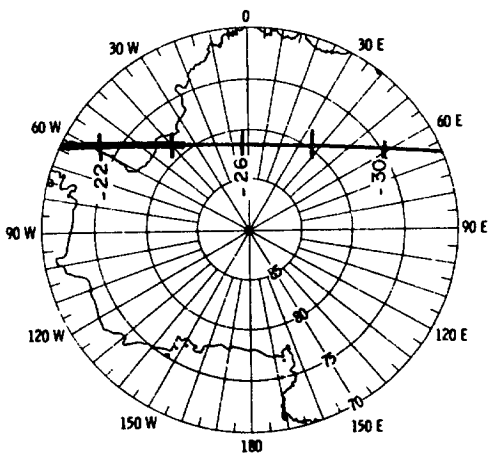
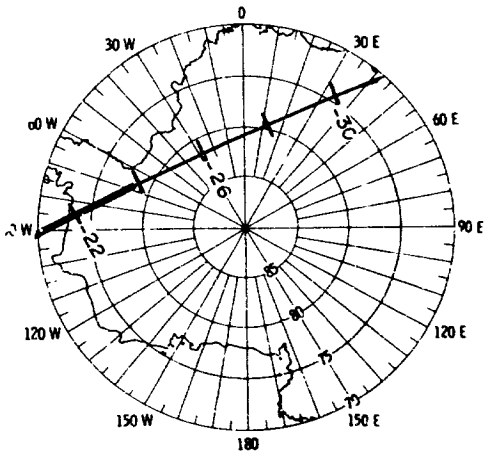


DATA ORBIT 65

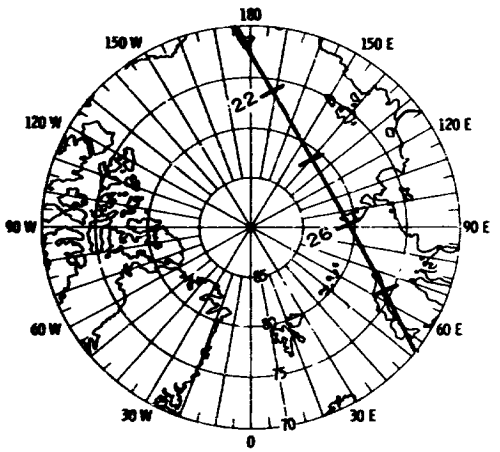


POLAR COVERAGE MAPS

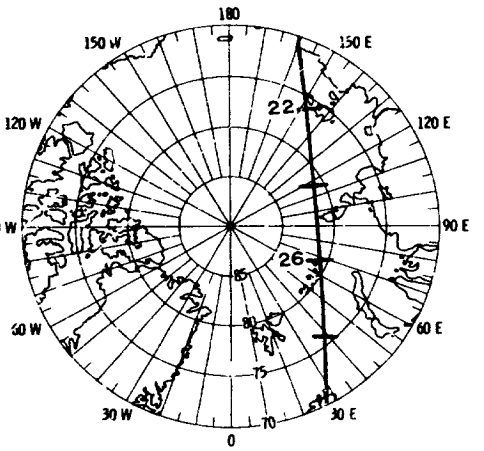
1 SEPTEMBER 1964

NORTH POLAR REGIONS

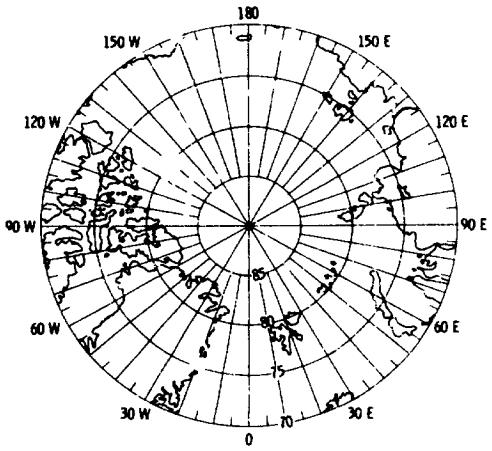
DATA ORBIT 67



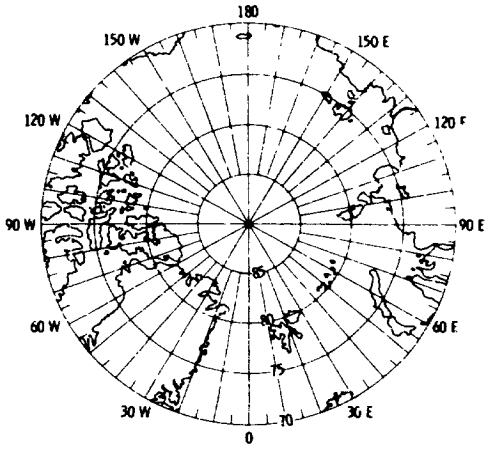
DATA ORBIT 68



DATA ORBIT

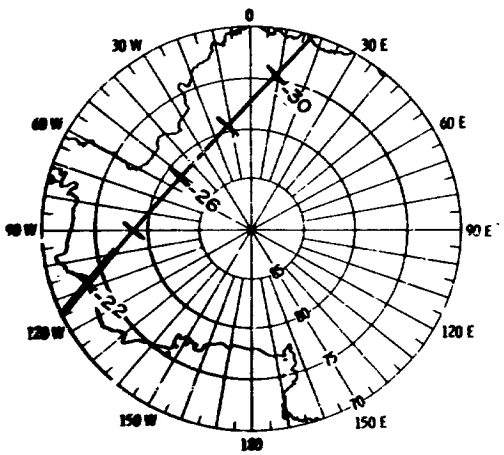


DATA ORBIT

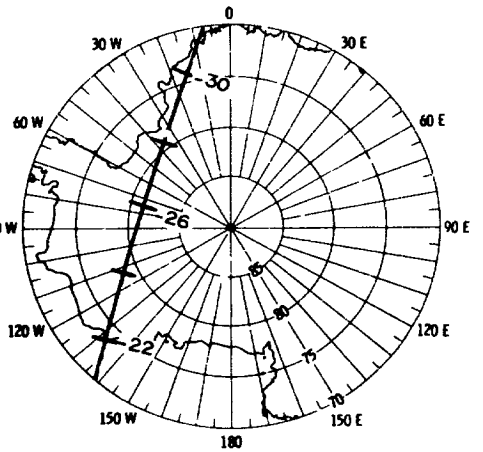


SOUTH POLAR REGIONS

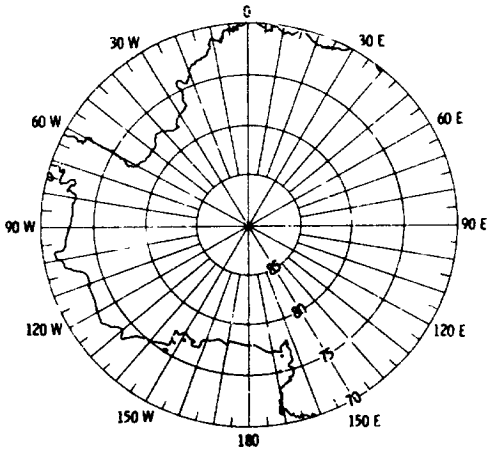
DATA ORBIT 66



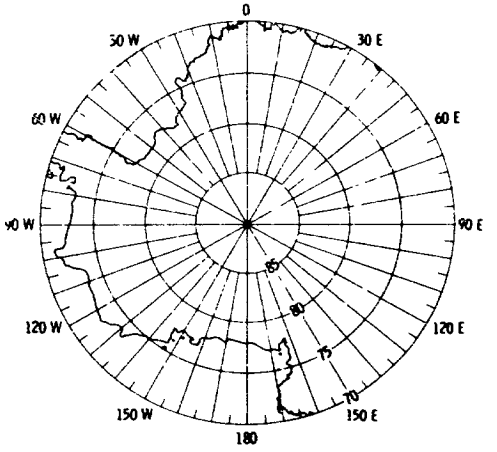
DATA ORBIT 67



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 1 Track 3

DATA ORBIT 56/57
DATE 1 September 1964
ASC. NODE 04 50 55 UT
101.12 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-057-00515	1	05 15 25	+24.5	562	9	1		
	1					2	ARCTIC ICE	BANDS Some Frontal Eddies
	1					3		
2-057-00515	2	05 13 54	+23.0	584	15	1		
	2					2		
	2					3		
3-057-00515	3	05 12 23	+21.5	606	20	1		
	3					2		
	3					3		
4-057-00515	4	05 10 52	+20.0	629	26	1		
	4					2		
	4					3		
5-057-00515	5	05 07 50	+16.9	676	37	1		
	5					2		
	5					3		
6-057-00515	6	05 06 19	+15.4	700	42	1		
	6					2		
	6					3		
7-057-00515	7	05 04 48	+13.9	723	48	1	Lake Saysan & Irtysh River	
	7					2	Lake Ulyungur	CUFM Streaks Large Clear Areas
	7					3	Lakes Ubsa, Khirgis & Khara Usu	
8-057-00515	8	05 03 17	+12.4	746	53	1		
	8					2		
	8					3		
9-057-00515	9	05 01 46	+10.9	768	58	1		
	9					2		
	9					3		
10-057-00515	10	05 00 15	+ 9.3	789	64	1		
	10					2	HIMALAYA MTS.	
	10					3		
11-057-00515	11	04 58 44	+ 7.8	810	69	1		
	11					2		CUFM & CIFM Some Cb
	11					3		
12-057-00515	12	04 57 13	+ 6.3	830	74	1		
	12					2		
	12					3		
13-057-00515	13	04 55 42	+ 4.8	848	78	1		
	13					2		
	13					3		
14-057-00515	14	04 54 11	+ 3.3	866	82	1		
	14					2	Gulf of Thailand	
	14					3	Gulf of Thailand	
15-057-00515	15	04 52 40	+ 1.8	882	82	1		
	15					2	INDONESIA & MALAYSIA	CUFM
	15					3	Malay Pen.	Numerous Cb
16-057-00515	16	04 51 09	+ 0.2	896	80	1	Sumatra	Numerous Small Cu over Land
	16					2	Java	
	16					3	Borneo	
17-057-00515	17	04 49 38	- 1.3	909	76	1		
	17					2		
	17					3		
18-057-00515	18	04 48 07	- 2.8	921	72	1		
	18					2		
	18					3		
19-057-00515	19	04 46 36	- 4.3	930	67	1		
	19					2		CUFM Large Cells
	19					3		
20-057-00515	20	04 45 05	- 5.8	938	62	1		
	20					2	AUSTRALIA	
	20					3		
21-057-00515	21	04 43 34	- .3	944	57	1		
	21					2		BANDS Some Frontal
	21					3		
22-057-00515	22	04 42 03	- 8.9	947	52	1		
	22					2		
	22					3		
23-057-00515	23	04 40 32	-10.4	948	47	1		
	23					2		
	23					3		

NIMBUS 1

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September : Track 4

DATA ORBIT 57/58
DATE 1 September 1964
ASC. NODE 06 29 21 GMT
76.52 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-059-60187	1	06 53 49	+24.5	562	9	1	ARCTIC ICE	BANDS Some Thin Eddies Cellular Fibrous
	1					2		
	1					3		
2-059-60187	2	06 52 18	+23.0	583	15	1		
	2					2		
	2					3		
3-059-60187	3	06 50 47	+21.4	606	20	1		
	3					2		
	3					3		
4-059-60187	4	06 49 16	+19.9	629	25	1		
	4					2		
	4					3		
5-059-60187	5	06 47 45	+18.4	652	31	1		
	5					2		
	5					3		
6-059-60187	6	06 46 14	+16.9	676	37	1	Kuybyshevskoye Reservoir	
	6					2	Kuybyshevskoye Reservoir	
	6					3		
7-059-60187	7	06 43 12	+13.9	722	48	1	N. Caspian & Aral Seas	MOSTLY CLEAR Some Cufm
	7					2		
	7					3		
8-059-60187	8	06 41 41	+12.3	745	53	1	Caspian & Aral Seas, Amu River	
	8					2	Syr River	
	8					3	Chu River, Kirgizskiy Mts.	
9-059-60187	9	06 40 10	+10.8	767	59	1	Iran, Khura Mts.	
	9					2	Amu (Oxus) River	
	9					3	Pamir Mts., Snow Capped	
10-059-60187	10	06 38 39	+ 9.3	789	64	1	Sistan Lakes & Helmand River	
	10					2	Afghanistan - Pakistan Border Area	
	10					3	Jhelum & Chenab Rivers	
11-059-60187	11	06 37 08	+ 7.8	810	69	1	Gulf of Oman	CUFM & CIFM
	11					2	Indus River Valley	
	11					3		
12-060-60191	12	06 32 35	+ 3.2	863	82	1		CUFM & CIFM Storm Areas
	12					2	India	
	12					3	India	
13-060-60191	13	06 31 04	+ 1.7	883	83	1		
	13					2	India	
	13					3	Ceylon	
14-060-60191	14	06 29 33	+ 0.2	896	80	1		
	14					2		
	14					3		
15-060-60191	15	06 28 02	- 1.3	909	76	1		
	15					2		
	15					3		
16-060-60191	16	06 26 31	- 2.8	920	72	1		
	16					2		
	16					3		
17-060-60191	17	06 25 00	- 4.4	930	67	1		
	17					2		
	17					3		
18-060-60191	18	06 23 29	- 5.9	937	62	1		CUFM Cellular Fibrous Bands
	18					2		
	18					3		
19-060-60191	19	06 21 58	- 7.4	943	57	1		
	19					2		
	19					3		
20-060-60191	20	06 20 27	- 8.9	946	52	1		
	20					2		
	20					3		
21-060-60191	21	06 18 56	-10.4	948	47	1		
	21					2		
	21					3		
22-060-60191	22	06 17 25	-11.9	947	42	1		FRONTAL BANDS Vortex Vicinity 60 S Eddies
	22					2		
	22					3		
23-060-60191	23	06 15 54	-13.5	944	36	1		
	23					2		
	23					3		
24-060-60191	24	06 14 23	-15.0	939	31	1		
	24					2		
	24					3		
25-060-60191	25	06 12 52	-16.5	931	26	1		
	25					2		
	25					3		
26-060-60191	26	06 11 21	-18.0	922	21	1		
	26					2		
	26					3		
27-060-60191	27	06 09 50	-19.5	910	16	1	ANTARCTICA	
	27					2		
	27					3		
28-060-60191	28	06 08 19	-21.0	896	11	1		APPARENT CLOUDS
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 1 Track 5

DATA ORBIT 58/59
DATE 1 September 1964
ASC. NODE 08 07 47 UT
51.91 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-059-60197	1	07 49 46	-18.0	922	21	1		MOSTLY CLOUD COVERED
	1					2		
	1					3		
2-059-60187	2	07 48 15	-19.5	911	16	1	ANTARCTICA	
	2					2		
	2					3		
3-059-60187	3	07 46 44	-21.1	897	11	1		THIN CLOUDS
	3					2		
	3					3		
4-059-60187	4	07 45 13	-22.6	881	5	1		
	4					2		
	4					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 1 Track 12

DATA ORBIT 65/66
DATE 1 September 1964
ASC. NODE 19 36 50 UT
120.32 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-067-60217	1*	19 59 03	+22.2	947	34	1		
	1*					2		
	1					3	Arctic Ice	Bands
2-067-60217	2*	19 57 32	+20.7	943	29	1		
	2*					2		
	2					3	Arctic Ice	Bands
3-067-60217	3*	19 56 01	+19.2	938	24	1		
	3*					2		
	3					3		Bands
4-067-60217	4*	19 54 30	+17.7	927	19	1		
	4*					2		
	4					3	Mackenzie Mts., Snow Covered	Cufm
5-067-60217	5*	19 52 59	+16.2	916	14	1		
	5*					2		
	5					3	Rocky Mts., Snow Covered	Cufm

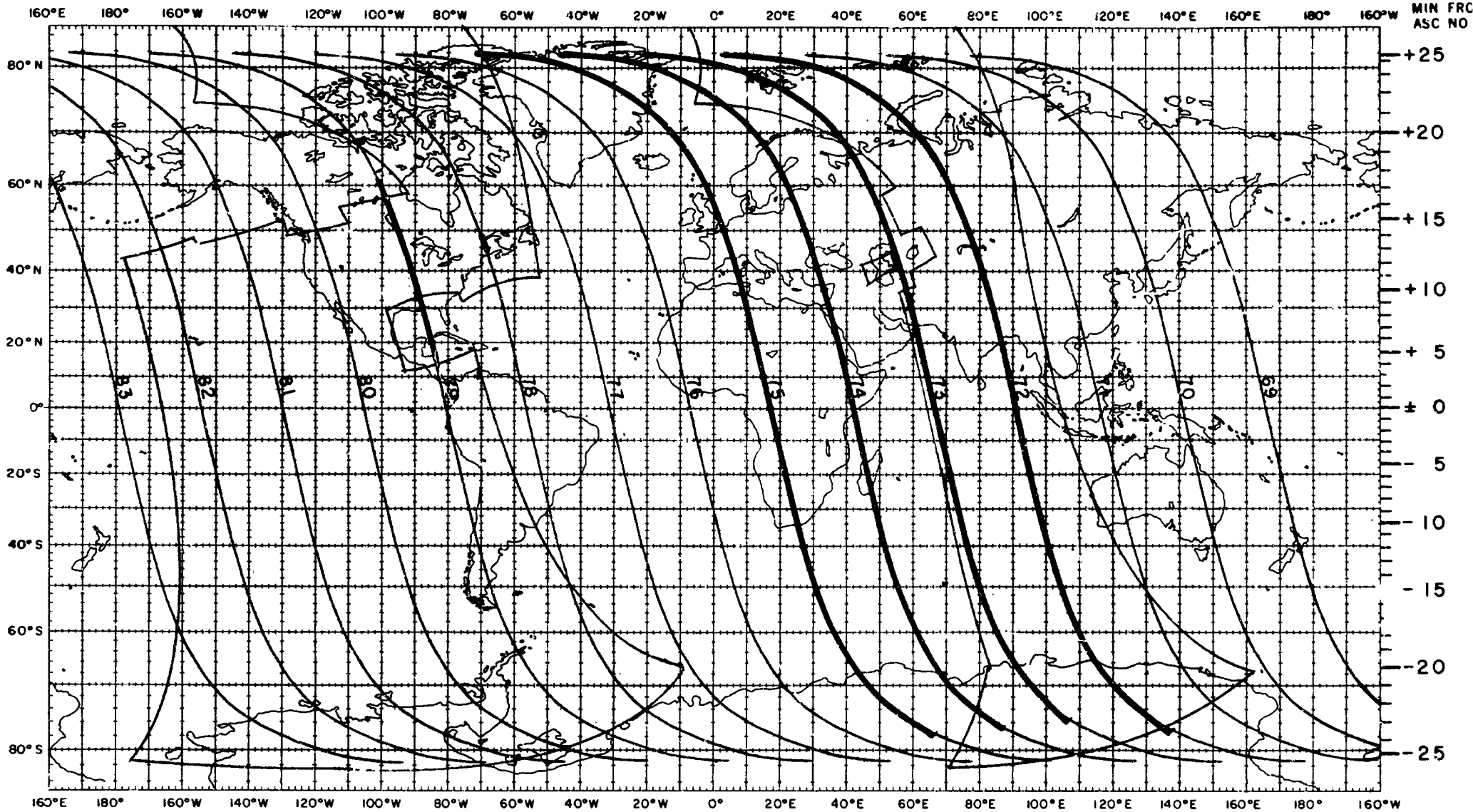
NIMBUS I DOCUMENTATION

2 September 1964

Orbits 68 through 83

AVCS DAILY COVERAGE MAP

2 SEPTEMBER 1964
ORBITS 68 TO 83

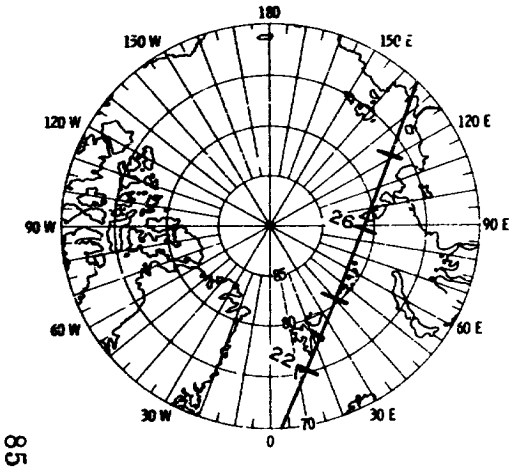


POLAR COVERAGE MAPS

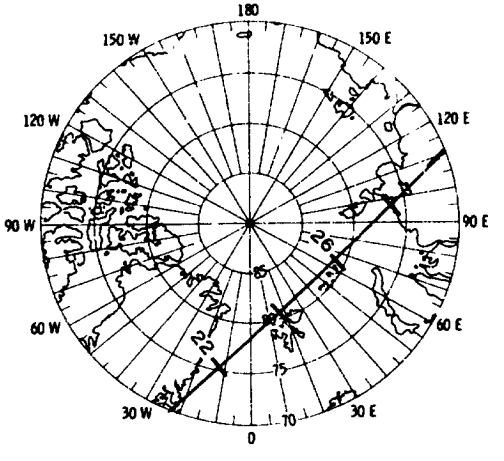
2 SEPTEMBER 1964

NORTH POLAR REGIONS

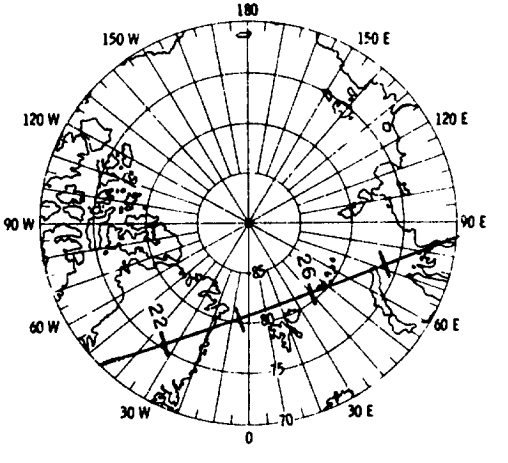
DATA ORBIT 69



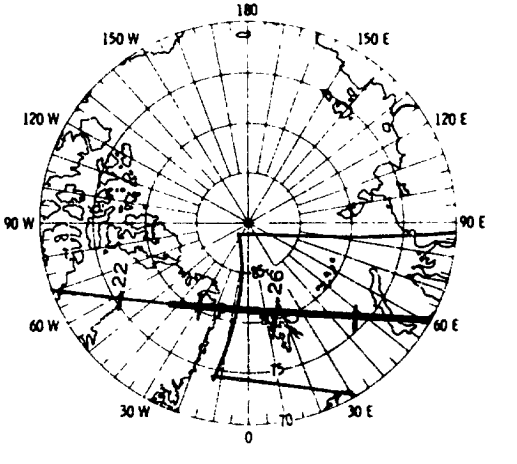
DATA ORBIT 70



DATA ORBIT 71

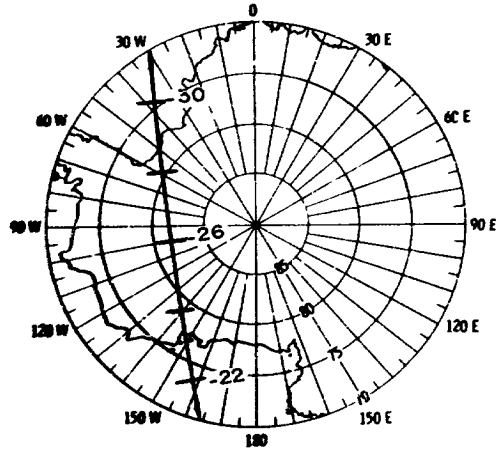


DATA ORBIT 72

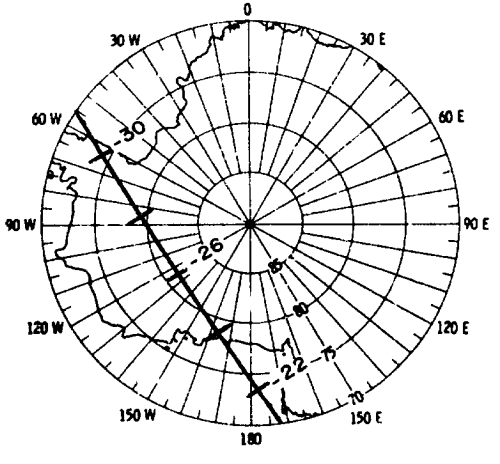


SOUTH POLAR REGIONS

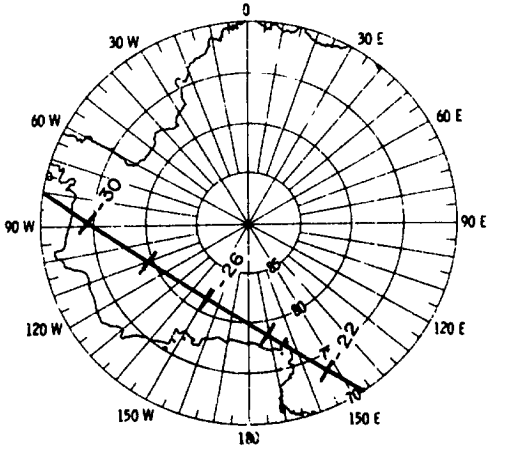
DATA ORBIT 68



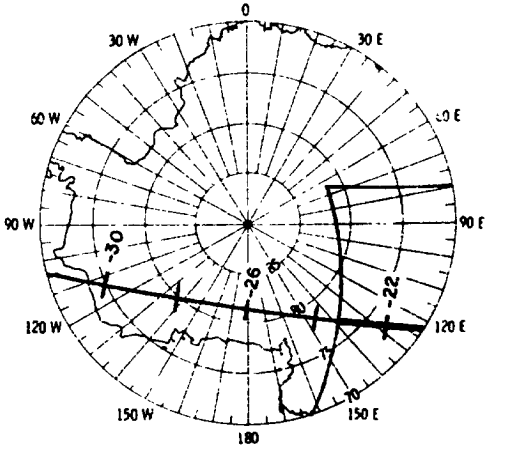
DATA ORBIT 69



DATA ORBIT 70



DATA ORBIT 71

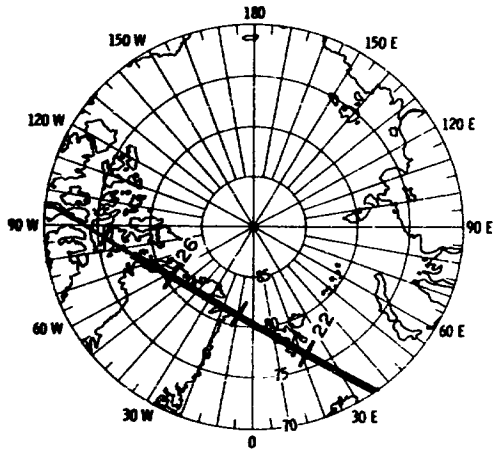


POLAR COVERAGE MAPS

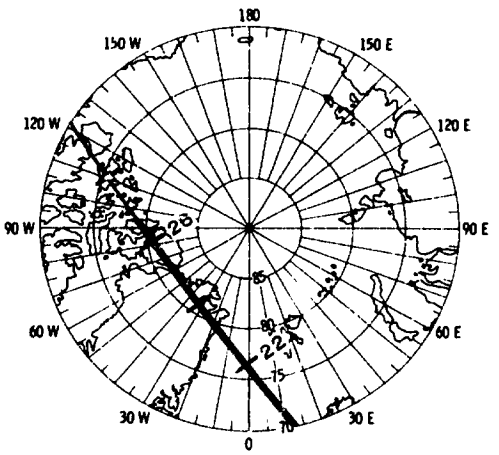
2 SEPTEMBER 1964

NORTH POLAR REGIONS

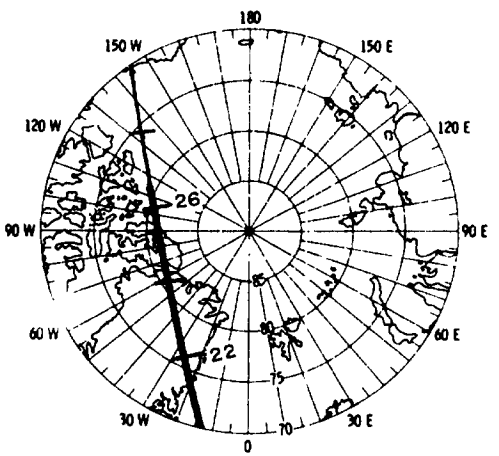
DATA ORBIT 73



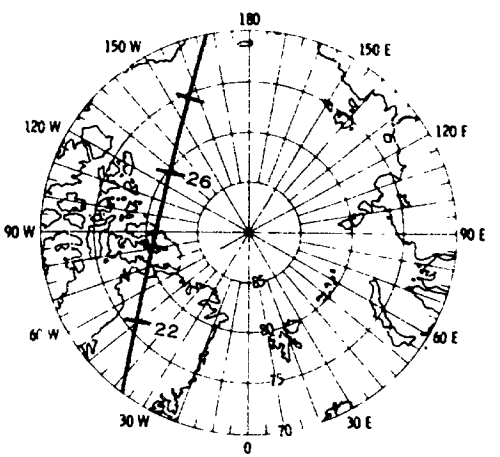
DATA ORBIT 74



DATA ORBIT 75

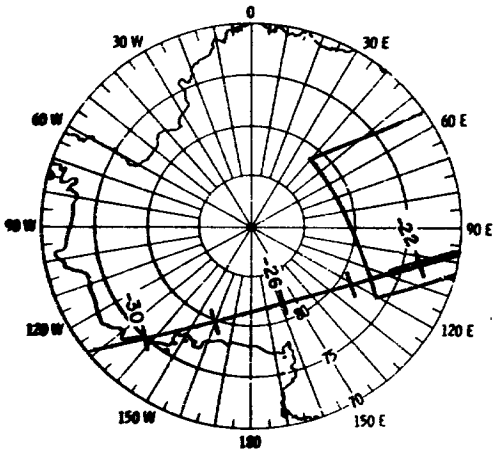


DATA ORBIT 76

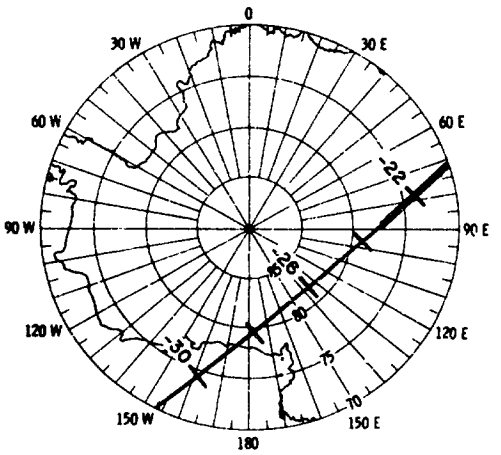


SOUTH POLAR REGIONS

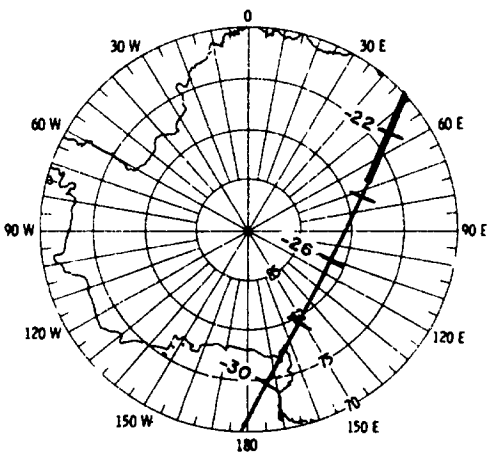
DATA ORBIT 72



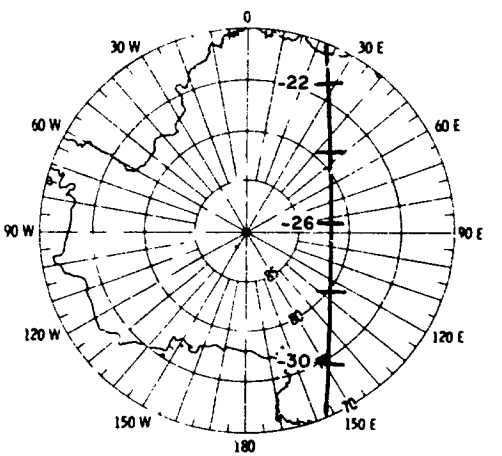
DATA ORBIT 73



DATA ORBIT 74



DATA ORBIT 75

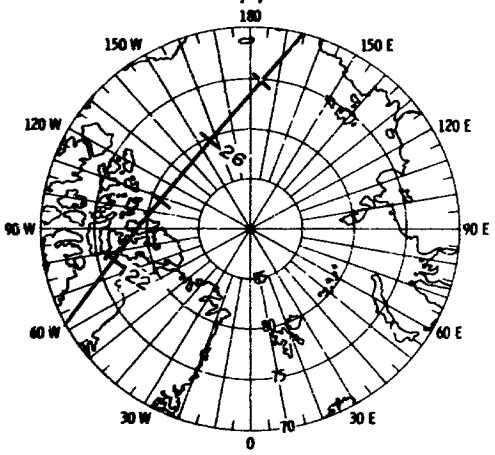


POLAR COVERAGE MAPS

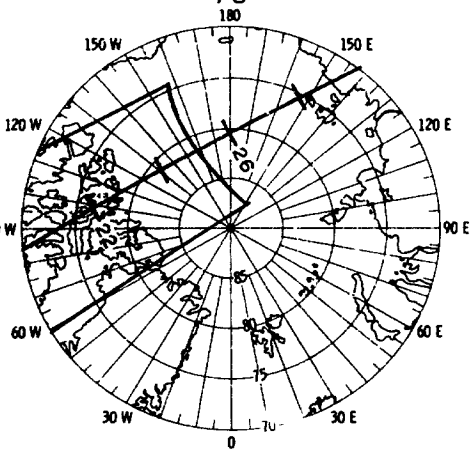
2 SEPTEMBER 1964

NORTH POLAR REGIONS

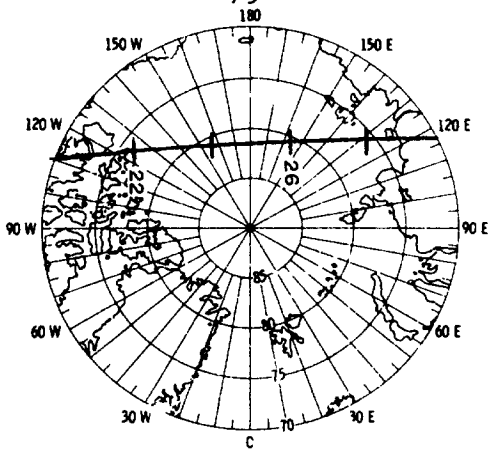
DATA ORBIT 77



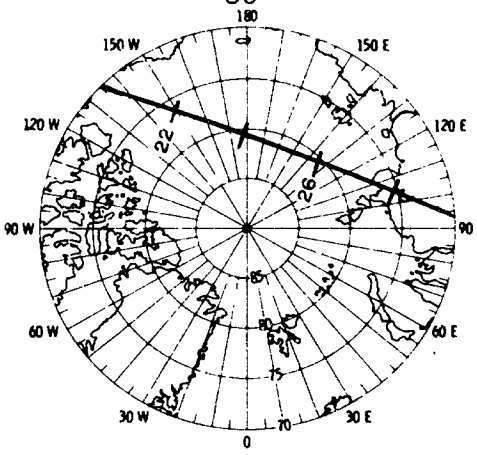
DATA ORBIT 78



DATA ORBIT 79

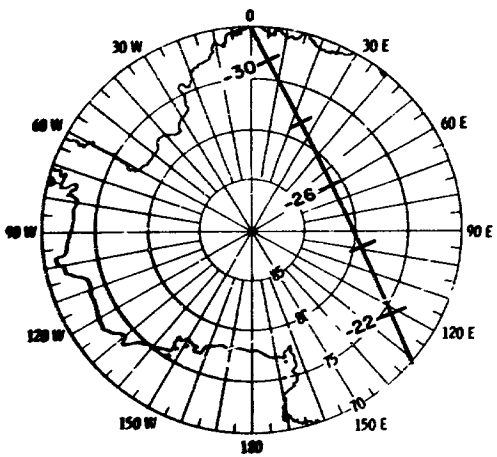


DATA ORBIT 80

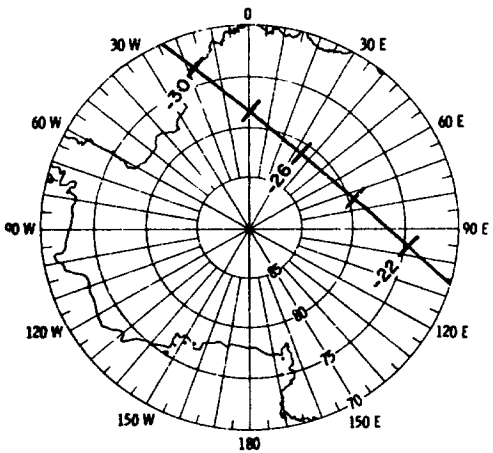


SOUTH POLAR REGIONS

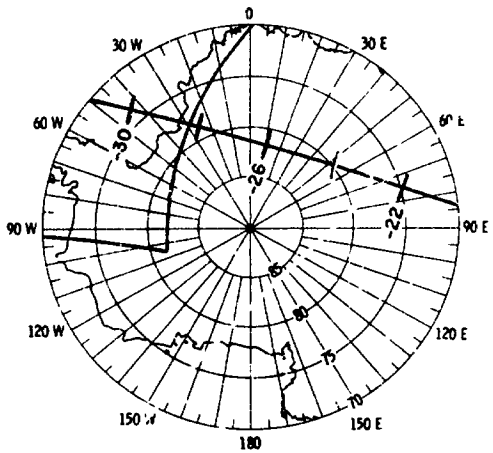
DATA ORBIT 76



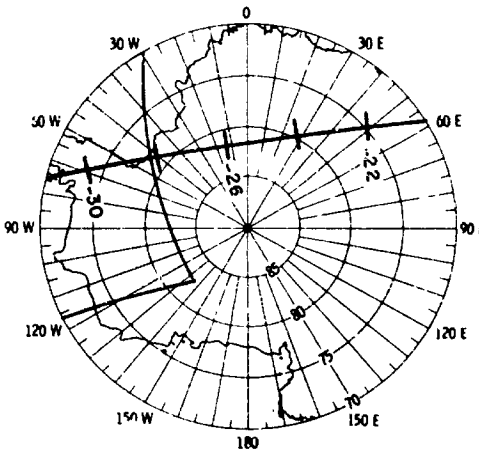
DATA ORBIT 77



DATA ORBIT 78



DATA ORBIT 79

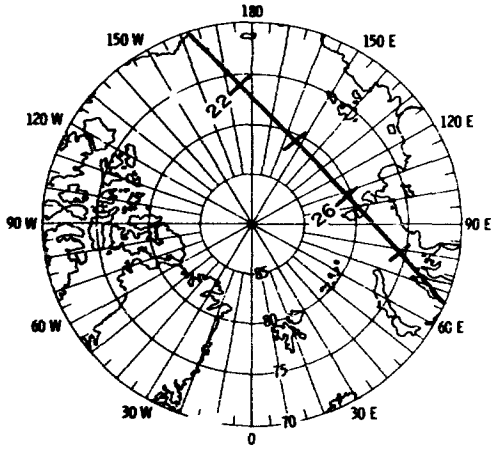


POLAR COVERAGE MAPS

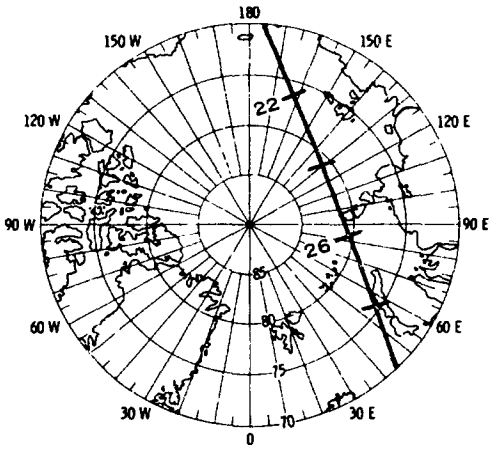
2 SEPTEMBER 1964

NORTH POLAR REGIONS

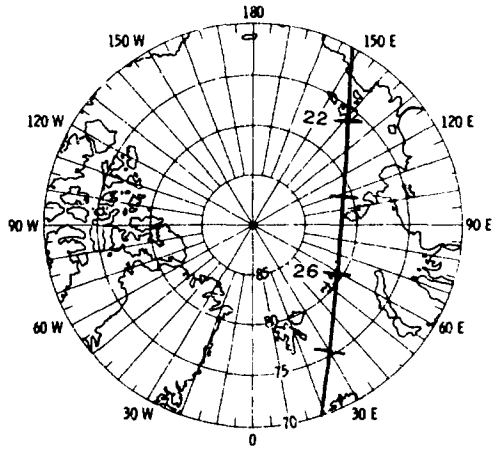
DATA ORBIT 81



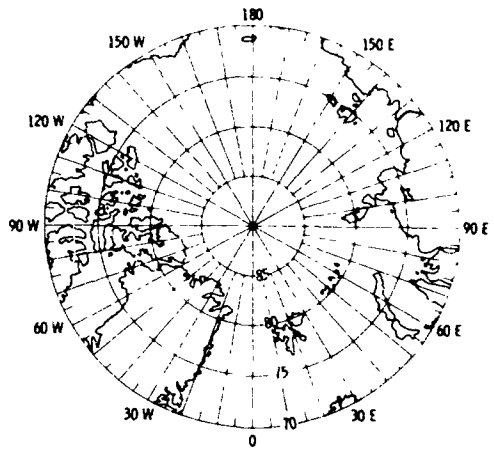
DATA ORBIT 82



DATA ORBIT 83

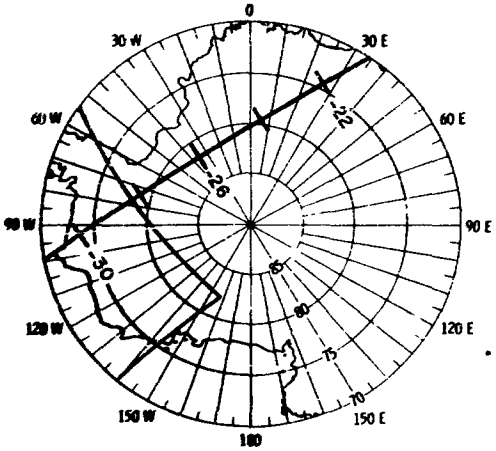


DATA ORBIT

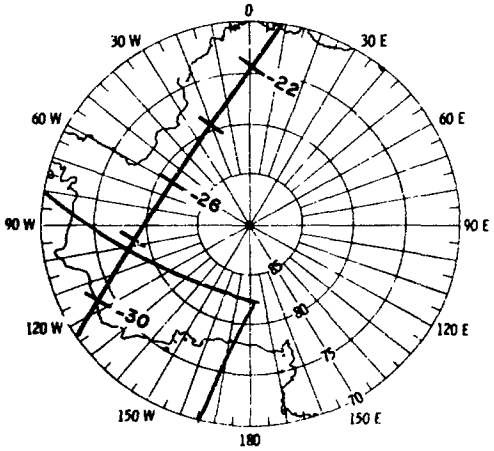


SOUTH POLAR REGIONS

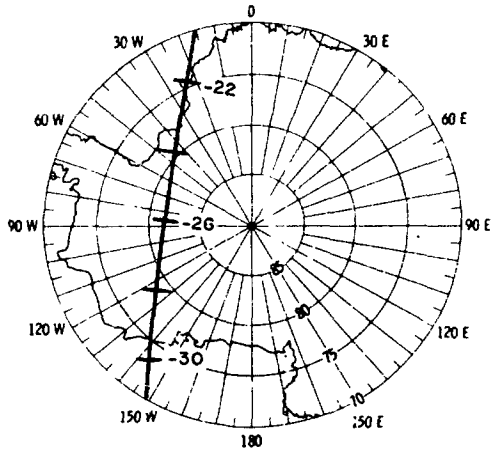
DATA ORBIT 80



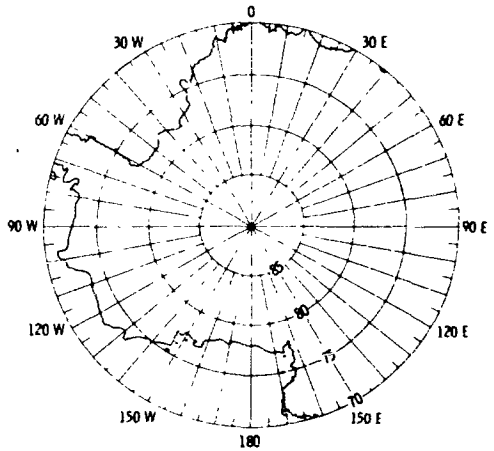
DATA ORBIT 81



DATA ORBIT 82



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 2 Track 3

DATA ORBIT 71/72
DATE 2 September 1964
ASC. NODE 05 27 27 UT
92 06 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-072-02874	1	05 51 51	+24.4	551	9	1		BANDS
	1					2	ARCTIC ICE	Some Frontal
	1					3		Eddies
2-072-02874	2	05 50 20	+22.	572	14	1		
	2					2		
	2					3		
3-072-02874	3	05 48 49	+21.4	594	20	1		
	3					2		
	3					3		
4-072-02874	4	05 47 18	+19.9	617	26	1		
	4					2		
	4					3		
5-072-02874	5	05 45 47	+18.3	640	31	1		
	5					2		
	5					3		
6-072-02874	6	05 44 16	+16.8	663	37	1		
	6					2		
	6					3		
7-072-02874	7	05 42 45	+15.3	686	42	1		CUFM & STFM
	7					2		Large Clear Areas
	7					3		
8-072-02874	8	05 41 14	+13.8	710	48	1	Lake Balkhash	
	8					2		
	8					3	Lake Saysan & Irtysh River	
9-072-02874	9	05 39 43	+12.3	733	53	1	Lake Issyk	
	9					2	Tien Mts., Snow Covered	
	9					3		
10-072-02874	10	05 38 12	+10.8	755	58	1	Himalaya Mts., Snow Covered	
	10					2	Takla-Makan Desert	
	10					3	Takla-Makan Desert	
11-072-02874	11	05 36 41	+ 9.2	777	64	1	Himalaya Mts.	
	11					2		CUFM
	11					3		Some Cb
12-072-02874	12	05 35 10	+ 7.7	799	69	1		Ci
	12					2		
	12					3		
13-072-02874	13	05 33 39	+ 6.2	819	74	1	India	
	13					2	India	
	13					3	Pakistan	
14-072-02874	14	05 32 08	+ 4.7	838	78	1	India	
	14					2		
	14					3	Burma	
15-072-02874	15	05 30 37	+ 3.2	857	82	1	India	
	15					2		
	15					3	Burma	
16-072-02874	16	05 29 06	+ 1.7	873	83	1		
	16					2		STORM AREAS
	16					3	Malay Pen.	
17-072-02874	17	05 27 35	+ 0.1	889	80	1		
	17					2		
	17					3	Sumatra & Malaya	
18-072-02874	18	05 26 [illegible]	- 1.4	903	76	1		
	18					2		
	18					3	Sumatra	
19-072-02874	19	05 24 33	- 2.9	915	72	1		
	19					2		CUFM
	19					3	Sumatra & Java	Fibrous
20-072-02874	20	05 23 02	- 4.4	926	67	1		
	20					2		
	20					3		
21-072-02874	21	05 21 31	- 5.9	934	62	1		
	21					2		
	21					3		
22-072-02874	22	05 20 00	- 7.5	941	57	1		
	22					2		BANDS
	22					3		Vortex Vicinity 61 S
23-072-02874	23	05 18 29	- 9.0	946	52	1		Some Frontal
	23					2		Cellular
	23					3		Eddies
24-072-02874	24	05 16 58	-10.5	948	47	1		
	24					2		
	24					3		
25-072-02874	25	05 15 27	-12.0	948	42	1		
	25					2		
	25					3		
26-072-02874	26	05 13 56	-13.5	947	37	1		
	26					2		
	26					3		
27-072-02874	27	05 12 25	-15.0	943	31	1		
	27					2		
	27					3		
28-072-02874	28	05 10 54	-16.6	936	26	1		
	28					2		
	28					3		
29-072-02874	29	05 09 23	-18.1	928	21	1		
	29					2		
	29					3		
30-072-02874	30	05 07 52	-19.6	917	16	1		
	30					2	ANTARCTICA	APPARENT CLOUDS
	30					3		
31-072-02874	31	05 06 21	-21.1	904	11	1		
	31					2		
	31					3		
32-072-02874	32	05 04 50	-22.6	890	6	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 2 Track 4

DATA ORBIT 72/73
DATE 2 September 1964
ASC. NODE 07 05 53 GT
67.45 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-074-60227	1*	07 21 30	+15.6	681	41	1		
	1*					2		
	1					3		Bands
2-074-60227	2*	07 19 59	+14.1	704	47	1		
	2*					2		
	2					3		Bands
3-074-60227	3*	07 18 28	+12.6	72	52	1		
	3*					2		
	3					3	Aral Sea	Cufm
4-074-60227	4*	07 16 57	+11.1	750	57	1		MOSTLY CLEAR
	4*					2		
	4					3	Amu River	
5-074-60227	5*	07 15 26	+ 9.6	772	63	1		
	5					2		
	5					3		
6-074-60227	6*	07 13 55	+ 8.0	794	68	1		
	6					2		
	6					3	Indus River Valley	
7-074-60227	7*	07 12 24	+ 6.5	814	73	1		CUFM
	7					2		Cellular
	7					3		Ci
8-074-60227	8*	07 10 53	+ 5.0	834	77	1		
	8					2		
	8					3		
9-074-60227	9*	07 09 22	+ 3.5	852	81	1		
	9					2		
	9					3		
10-074-60227	10*	07 07 51	+ 2.0	870	82	1		STORM AREAS
	10					2		
	10					3		
11-074-60227	11*	07 06 20	+ 0.5	886	81	1		
	11					2		
	11					3		
12-074-60227	12*	07 04 49	- 1.1	900	77	1		
	12					2		
	12					3		
13-074-60227	13*	07 03 18	- 2.6	913	73	1		
	13					2		
	13					3		
14-074-60227	14*	07 01 47	- 4.1	924	68	1		
	14					2		
	14					3		
15-074-60227	15*	07 00 16	- 5.6	933	63	1		BANDS
	15					2		Cellular
	15					3		Fibrous
16-074-60227	16*	06 58 45	- 7.1	940	58	1		Edges
	16					2		
	16					3		
17-074-60227	17*	06 57 14	- 8.7	945	53	1		
	17					2		
	17					3		
18-074-60227	18*	06 55 43	-10.2	948	48	1		
	18					2		
	18					3		
19-074-60227	19*	06 54 12	-11.7	949	43	1		
	19					2		
	19					3		
20-074-60227	20*	06 52 41	-13.2	948	38	1		
	20					2		
	20					3		
21-074-60227	21*	06 51 10	-14.7	944	32	1		
	21					2		
	21					3		
22-074-60227	22*	06 49 39	-16.2	939	26	1		
	22					2		
	22					3		
23-074-60227	23*	06 48 08	-17.8	931	22	1		
	23					2		
	23					3		
24-074-60227	24*	06 46 37	-19.3	920	17	1		
	24					2	ANTARCTICA	
	24					3		
25-074-60227	25*	06 45 06	-20.8	908	12	1		APPARENT CLOUDS
	25					2		
	25					3		
26-074-60227	26*	06 43 35	-22.3	892	7	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHE BUREAU DESIGNATION
196' ptem er 2 Track 9

DATA ORBIT 77/78
DATE 2 September 19
ASC. NODE 15 18 04 UT
55.57 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-079-02880	1 1 1	15 42 45	+24.7	542	7	1 2 3	ARCTIC ICE	[illegible] CLEAR
2-079-02880	2 2 2	15 41 14	+23 2	563	13	1 2 3	CANADA Queen Elizabeth Is. Parry Is. Baffin I. Foxe Pen. Hudson Bay Hudson Strait	
3-079-02880	3 3 3	15 39 43	+21 7	584	19	1 2 3		SOME BANDS
4-079-02880	4 4 4	15 38 12	+20.1	606	24	1 2 3		
5-079-02880	5 5 5	15 36 41	+18 6	629	30	1 2 3		
6-079-02880	6 6 6	15 35 10	+17 1	653	36	1 2 3		FRONTAL BANDS
7-079-02880	7 7 7	15 33 39	+15.6	676	41	1 2 3		
8-079-02880	8 8 8	15 32 08	+14.1	700	47	1 2 3		
9-079-02880	9 9 9	15 30 37	+12 6	723	52	1 2 3	Lake Ontario, Long I. & Cape Cod Bay of Fundy	
10-079-02880	10 10 10	15 29 06	+11.0	746	57	1 2 3	Chesapeake & Delaware Bays	HURRICANE CLEO

NIMBUS I

AVCS DATA LOG

WEATHER BURFAU DESIGNATION
1964 September 2 Track 10

DATA ORBIT 78/79
DATE 2 September 1964
ASC. NODE 16 56 30 UT
80.17 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-079-60253	1	17 12 10	+15.7	658	37	1		
	1					2		FRONTAL BANDS
	1					3	Hudson Bay	Cu Streets
2-079-60253	2	17 11 39	+14.2	682	43	1		Streaks
	2					2		
	2					3		
3-079-60253	3	17 10 08	+13.6	705	48	1		
	3					2		
	3					3		
4-079-60253	4	17 08 37	+12.1	728	54	1		
	4					2		CUFM
	4					3	Great Lakes	
5-079-60253	5	17 07 06	+10.6	751	59	1		
	5					2	Mississippi River Valley	MOSTLY CLEAR
	5					3		
6-079-02880	6	16 59 31	+ 3.0	853	82	1		
	6					2	Panama	ITC
	6					3	Columbia	
7-079-02880	7	16 58 00	+ 1.5	870	83	1		
	7					2	SOUTH AMERICA	
	7					3	Andes Mts., Snow Covered	
8-079-02880	8	16 55 29	- 0.0	886	80	1	Salt Flats	
	8					2	Gulf of San Jorge	CUFM
	8					3	Lake Titicaca	Cellular over Water
9-079-02880	9	16 54 58	- 1.5	901	76	1		Some Cb
	9					2		
	9					3		
10-079-02880	10	16 53 27	- 3.1	913	71	1		
	10					2		
	10					3		
11-079-02880	11	16 51 56	- 4.6	924	67	1		
	11					2		CUFM
	11					3		Cellular over Water
12-079-02880	12	16 50 25	- 6.1	933	62	1		St along Cst.
	12					2		Mostly Clear over Land
	12					3		
13-079-02880	13	16 48 54	- 7.6	941	57	1		
	13					2		
	13					3		
14-079-02880	14	16 47 23	- 9.1	946	51	1		
	14					2		
	14					3		
15-079-02880	15	16 45 52	-10.6	949	46	1		
	15					2		BANDS
	15					3		Zone Frontal
16-079-02880	16	16 44 21	-12.2	949	41	1		Streaks
	16					2		
	16					3		
17-079-02880	17	16 42 50	-13.7	948	36	1		
	17					2		
	17					3		
18-079-02880	18	16 41 19	-15.2	944	31	1		
	18					2		
	18					3		
19-079-02880	19	16 39 48	-16.7	938	26	1		
	19					2		
	19					3		
20-079-02880	20	16 38 17	-18.2	930	21	1		
	20					2		
	20					3		
21-079-02880	21	16 36 46	-19.7	920	16	1		
	21					2	ANTARCTICA	
	21					3	Palmer Pen.	
22-079-02880	22	16 35 15	-21.3	908	10	1	Weddell Sea	THIN CLOUDS
	22					2		
	22					3		
23-079-02880	23	16 33 44	-22.8	893	5	1		
	23					2		
	23					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 2 Track 11

DATA ORBIT 79/80
DATE 2 September 1964
ASC. NODE 18 34 56 UT
104.78 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-080-60259	1	18 48 35	+13.7	704	28	1	UNITED STATES & MEXICO Great Salt Lake Lake Mead Colorado River & Rio Grande Baja California	CUFM Some Bands Streets
	1					2		
	1					3		
2-080-60259	2	18 47 04	+12.1	727	53	1		
	2					2		
	2					3		
3-080-60259	3	18 45 33	+10.6	750	59	1		MOSTLY CLEAR
	3					2		
	3					3		
4-080-60259	4	18 44 02	+ 9.1	772	64	1		
	4					2		
	4					3		
5-080-60259	5	18 42 31	+ 7.6	793	69	1		STORM AREA Apparent Depressions
	5					2		
	5					3		
6-080-60259	6	18 41 00	+ 6.1	814	74	1		
	6					2		
	6					3		
7-080-60259	7	18 39 29	+ 4.6	834	78	1		
	7					2		
	7					3		
8-080-60259	8	18 37 58	+ 3.0	852	82	1		
	8					2		
	8					3		
9-080-60259	9	18 36 27	+ 1.5	870	83	1		
	9					2		CUFM Bands Cellular Actiniform Fibrous
	9					3		
10-080-60259	10	18 34 56	0.0	886	80	1		
	10					2		
	10					3		
11-080-60259	11	18 33 25	- 1.5	900	76	1		
	11					2		
	11					3		
12-080-60259	12	18 31 54	- 3.1	913	72	1		
	12					2		
	12					3		
13-080-60259	13	18 30 23	- 4.6	924	67	1		
	13					2		
	13					3		
14-080-60259	14	18 28 52	- 6.1	933	62	1		
	14					2		
	14					3		
15-080-60259	15	18 27 21	- 7.6	940	57	1		
	15					2		
	15					3		
16-080-60259	16	18 25 50	- 9.1	946	52	1		FRONTAL BANDS Vortex Vicinity 47 S Eddies
	16					2		
	16					3		
17-080-60259	17	18 24 19	-10.6	949	46	1		
	17					2		
	17					3		
18-080-60259	18	18 22 48	-12.1	949	41	1		
	18					2		
	18					3		
19-080-60259	19	18 21 17	-13.7	948	36	1		
	19					2		
	19					3		
20-080-60259	20	18 19 46	-15.2	945	31	1		
	20					2		
	20					3		
21-080-60259	21	18 18 15	-16.7	939	26	1		
	21					2		
	21					3		
22-080-60259	22	18 16 44	-18.2	931	21	1		
	22					2		
	22					3		
23-080-60259	23	18 15 13	-19.7	921	16	1	ANTARCTICA	
	23					2		
	23					3		
24-080-60259	24	18 13 42	-21.2	908	11	1		APPARENT CLOUDS
	24					2		
	24					3		
25-080-60259	25	18 12 11	-22.8	894	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 2 Track 12

DATA ORBIT 80/81
DATE 2 September 1964
ASC. NODE 20 13 22 UT
129.38 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-081-60266	1	20 27 00	+13.6	703	48	1		CUFM Bands Eddies Cellular Fibrous
	1					2		
	1					3		
2-081-60266	2	20 25 29	+12.1	726	53	1		
	2					2		
	2					3		
3-081-60266	3	20 23 58	+10.6	749	59	1		
	3					2		
	3					3		
4-081-60266	4	20 22 27	+ 9.1	771	64	1		
	4					2		
	4					3		
5-081-60266	5	20 20 56	+ 7.6	793	69	1		
	5					2		
	5					3		
6-081-60266	5	20 19 25	+ 6.1	813	74	1		
	6					2		
	6					3		
7-081-60266	7	20 17 54	+ 4.5	833	79	1		STORM AREA Apparent Tropical Depression
	7					2		
	7					3		
8-081-60266	8	20 16 23	+ 3.0	852	82	1		
	8					2		
	8					3		
9-081-60266	9	20 14 52	+ 1.5	870	87	1		
	9					2		
	9					3		
10-081-60266	10	20 13 21	- 0.0	886	80	1		CUFM Fibrous
	10					2		
	10					3		
11-081-60266	11	20 1 50	- 1.5	900	76	1		
	11					2		
	11					3		
12-081-60266	12	20 10 19	- 3.1	913	72	1		CUFM Large Cellular Field
	12					2		
	12					3		
13-081-60266	13	20 08 48	- 4.6	924	67	1		
	13					2		
	13					3		
14-081-60266	14	20 07 17	- 6.1	933	62	1		
	14					2		
	14					3		
15-081-60266	15	20 05 46	- 7.6	940	57	1		
	15					2		
	15					3		
16-081-60266	16	20 04 15	- 9.1	946	52	1		
	16					2		
	16					3		
17-081-60266	17	20 02 44	-10.6	949	46	1		FRONTAL BANDS Vortex Vicinity 45 S Cellular
	17					2		
	17					3		
18-081-60266	18	20 01 13	-12.2	949	41	1		
	18					2		
	18					3		
19-081-60266	19	19 59 42	-13.7	948	36	1		
	19					2		
	19					3		
20-081-60266	20	19 58 11	-15.2	945	31	1		
	20					2		
	20					3		
21-081-60266	21	19 56 40	-16.7	939	26	1		
	21					2		
	21					3		
22-081-60266	22	19 55 09	-18.2	931	21	1		
	22					2		
	22					3		
23-081-60266	23	19 53 38	-19.7	921	16	1		
	23					2		
	23					3		
24-081-60266	24	19 52 07	-21.3	909	11	1	ANTARCTICA	THIN CLOUDS
	24					2		
	24					3		
25-081-60266	25	19 50 36	-22.8	893	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 2 Track 13

DATA ORBIT 81/82
DATE 2 September 1964
ASC. NODE 21 51 48 UT
153.99 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-082-60271	1	22 03 56	+12.1	725	5	1		BANDS
	1					2		
	1					3		
2-082-60271	2	22 02 25	+10.6	748	58	1		
	2					2		
	2					3		
3-082-60271	3	22 00 54	+ 9.1	770	64	1		CUFM Fibrous Streaks
	3					2		
	3					3		
4-082-60271	4	21 59 23	+ 7.6	792	69	1		
	4					2		
	4					3		
5-082-60271	5	21 57 52	+ 6.1	812	74	1		
	5					2		
	5					3		
6-082-60271	6	21 56 21	+ 4.6	832	78	1		STORM AREA
	6					2		
	6					3		
7-082-6027_	7	21 54 50	+ 3.0	851	82	1		
	7					2		
	7					3		
8-082-60271	8	21 53 19	+ 1.5	868	83	1		
	8					2		
	8					3		
9-082-60271	9	21 51 48	0.0	884	80	1		CUFM Fibrous Some Cb
	9					2		
	9					3		
10-082-60271	10	21 50 17	- 1.5	899	76	1		
	10					2		
	10					3		
11-082-60271	11	21 48 46	- 3.0	912	72	1		
	11					2		
	11					3		
12-082-60271	12	21 47 15	- 4.6	923	67	1		
	12					2	SMALL ISLANDS Coral Reefs	
	12					3		
13-082-60271	13	21 45 44	- 6.1	932	62	1		
	13					2		
	13					3		
14-082-60271	14	21 44 13	- 7.6	940	57	1		FRONTAL BANDS Eddies Cellular Streaks
	14					2		
	14					3		
15-082-60271	15	21 42 42	- 9.1	945	52	1		
	15					2		
	15					3		
16-082-60271	16	21 41 11	-10.6	949	47	1		
	16					2		
	16					3		
17-082-60271	17	21 39 40	-12.1	950	41	1		
	17					2		
	17					3		
18-082-60271	18	21 38 09	-13.7	948	36	1		
	18					2		
	18					3		
19-082-60271	19	21 36 38	-15.2	945	31	1		
	19					2		
	19					3		
20-082-60271	20	21 35 07	-16.7	940	26	1		
	20					2		
	20					3		
21-082-60271	21	21 33 36	-18.2	932	21	1		
	21					2		
	21					3		
22-082-60271	22	21 32 05	-19.7	922	16	1		
	22					2		
	22					3		
23-082-60271	23	21 30 34	-21.2	909	11	1		
	23					2	ANTARCTICA	APPARENT CLOUDS
	23					3		
24-082-60271	24	21 29 03	-22.8	895	5	1		
	24					2		
	24					3		

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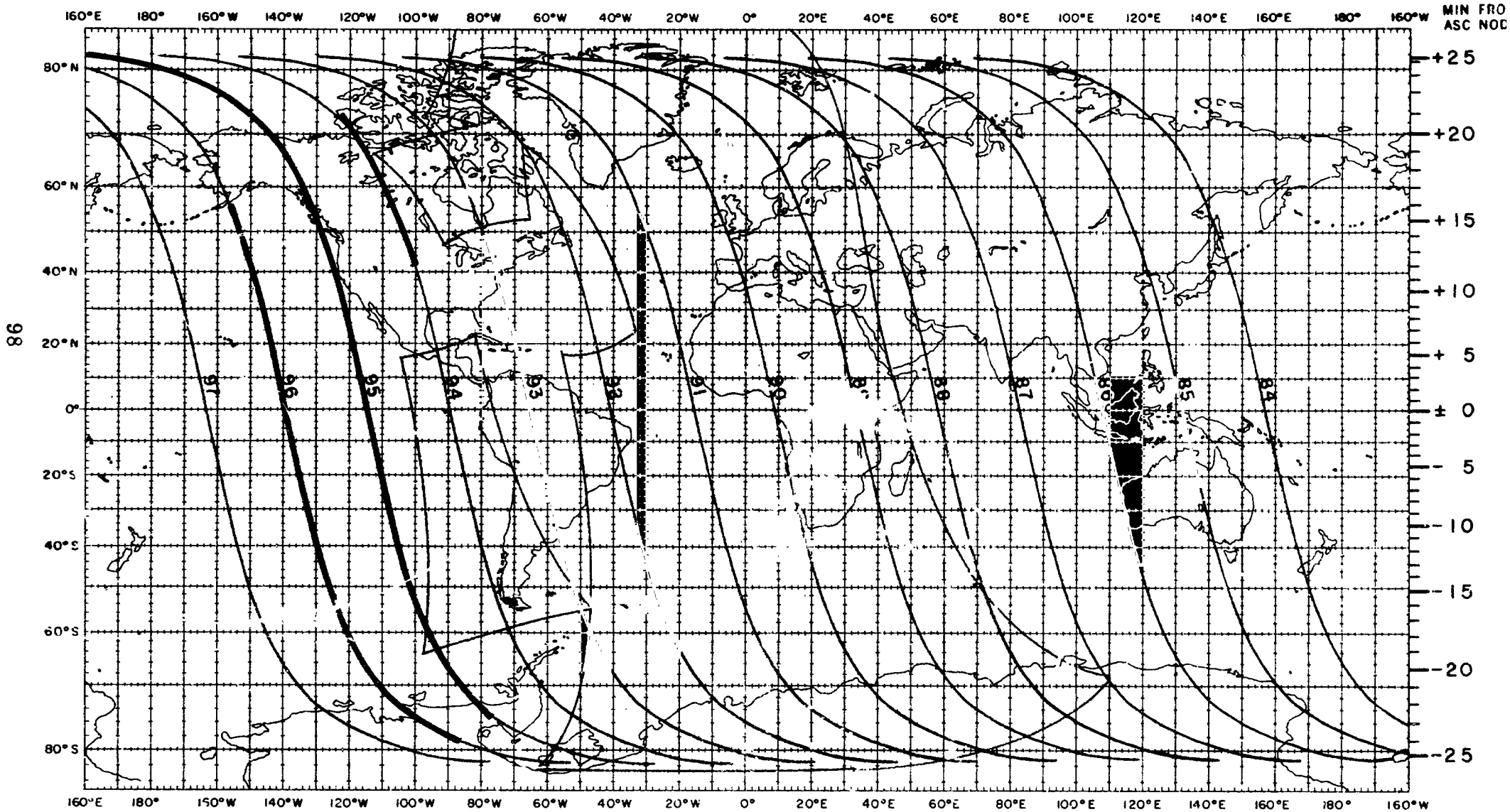
NIMBUS I DOCUMENTATION

3 September 1964

Orbits 83 through 97

AVCS DAILY COVERAGE MAP

3 SEPTEMBER 1964
ORBITS 83 TO 97

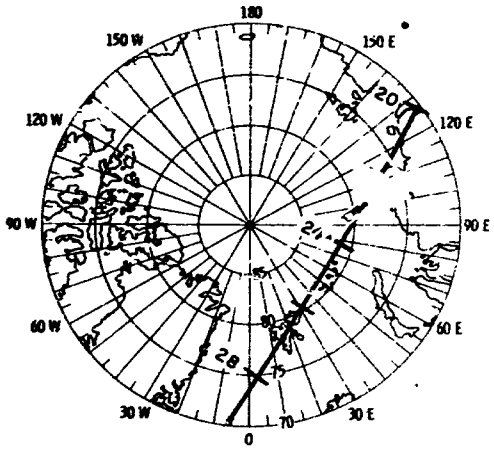


POLAR COVERAGE MAPS

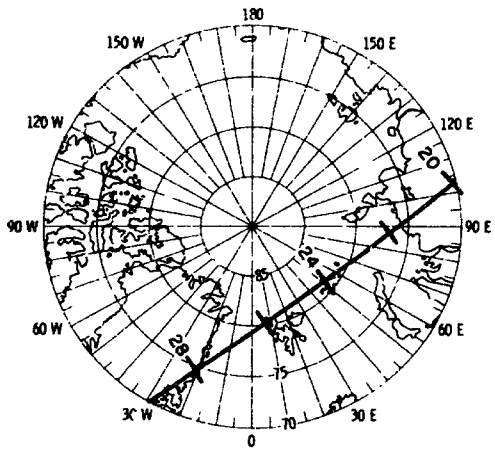
3 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 84



DATA ORBIT 85



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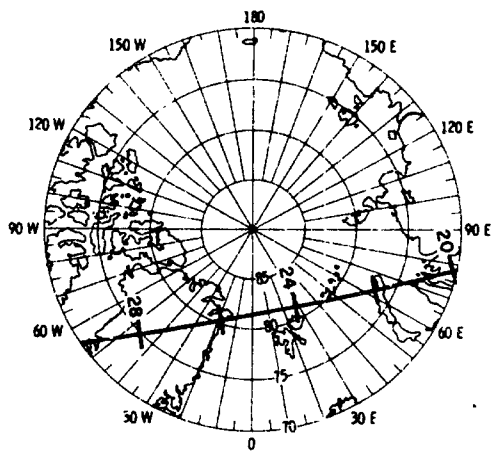
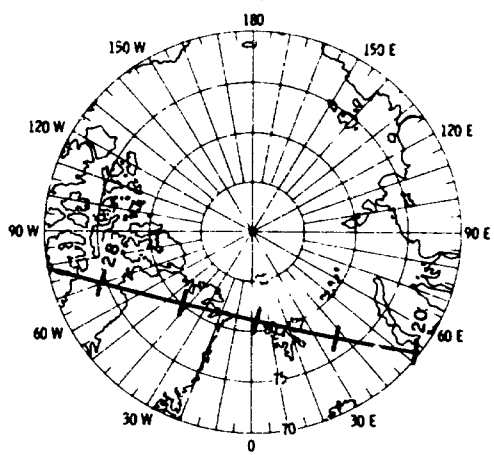
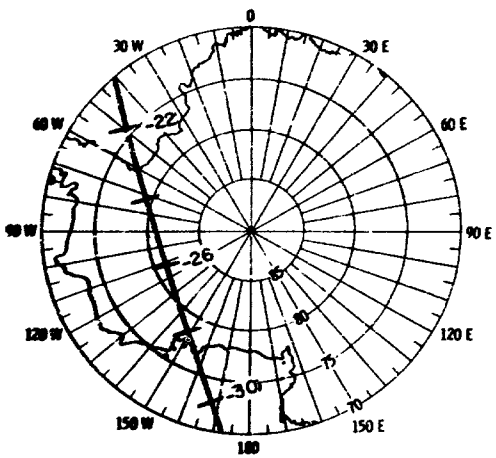


DATA ORBIT 87



SOUTH POLAR REGIONS

DATA ORBIT 83



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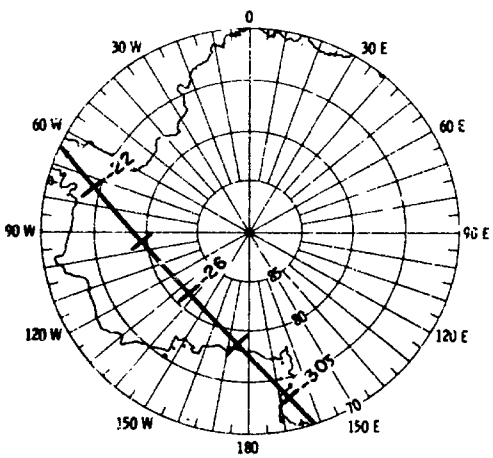

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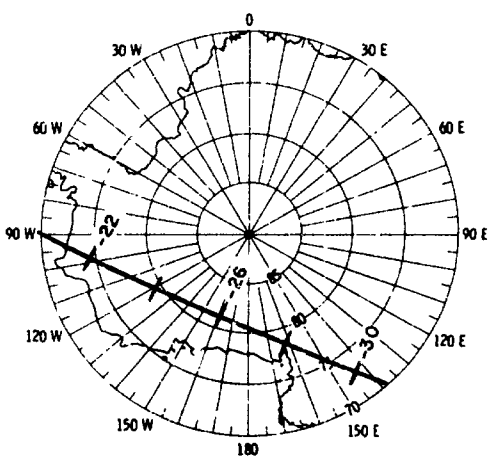
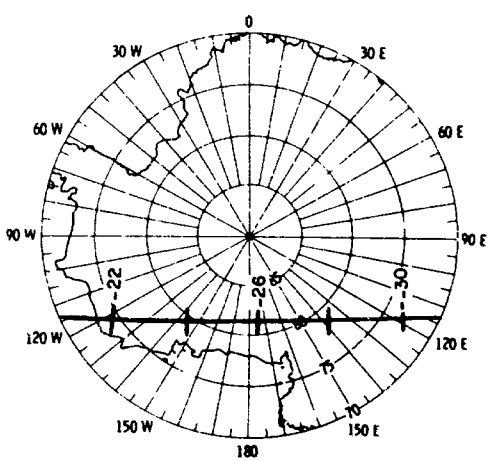


DATA ORBIT 86

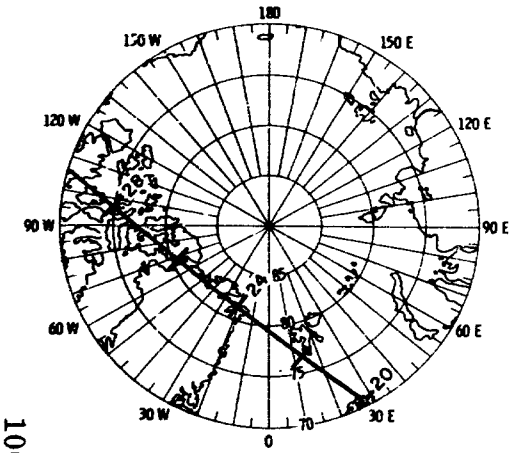


POLAR COVERAGE MAPS

3 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 88



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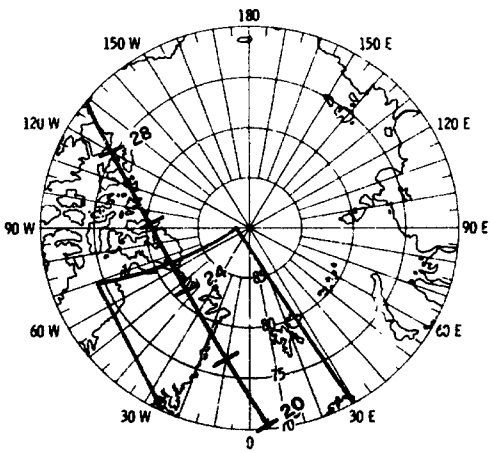
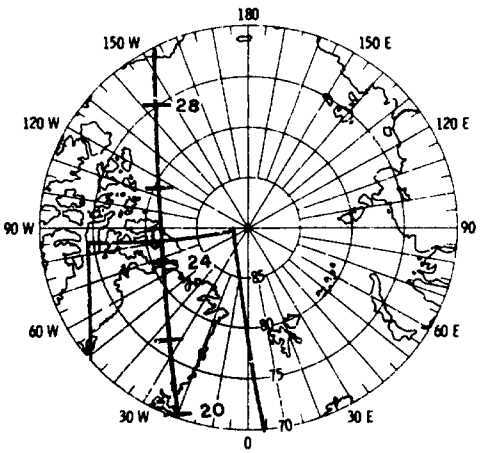


DATA ORBIT 90



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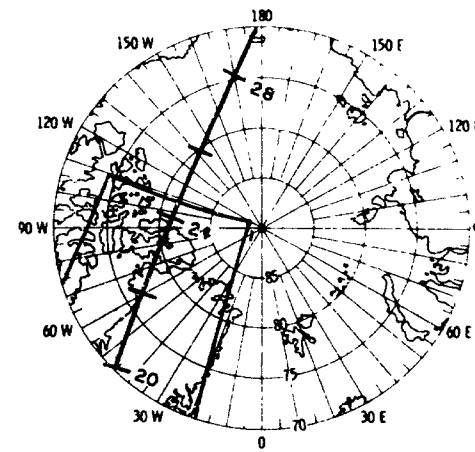
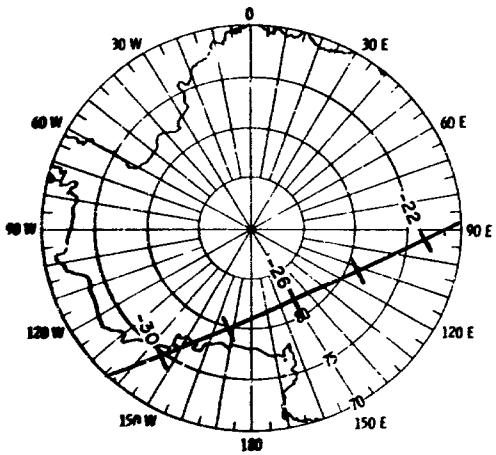
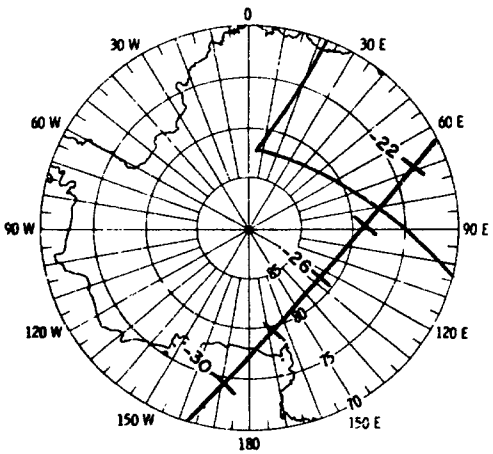


SOUTH POLAR REGIONS

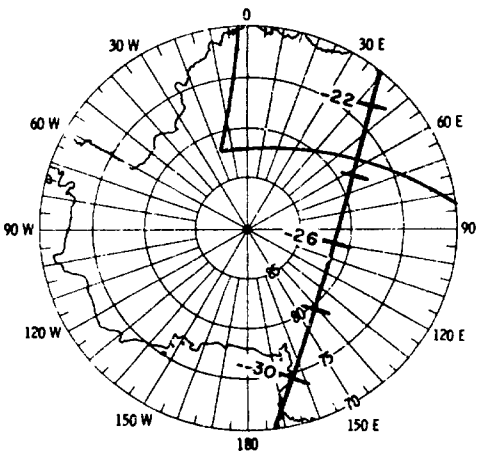
DATA ORBIT 87



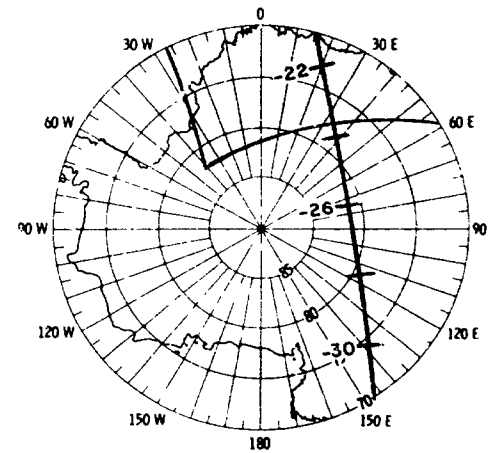
DATA ORBIT 88



DATA ORBIT 89



DATA ORBIT 90

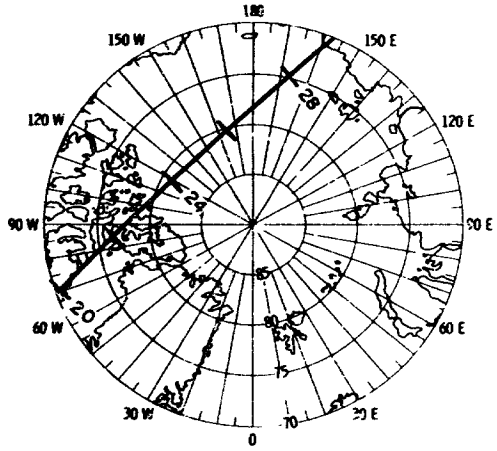


POLAR COVERAGE MAPS

3 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 92



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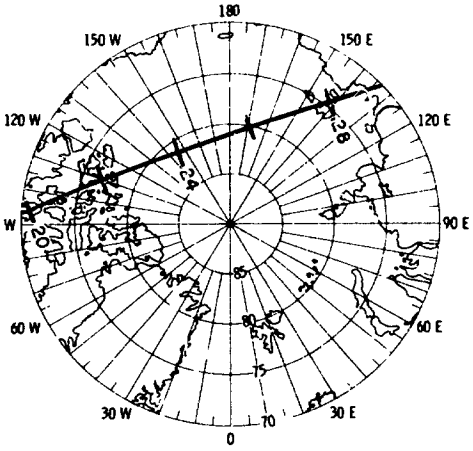
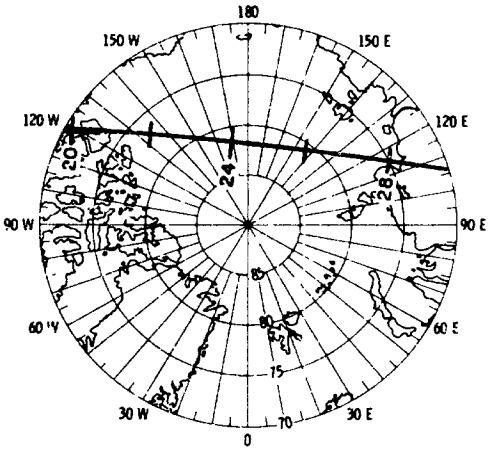
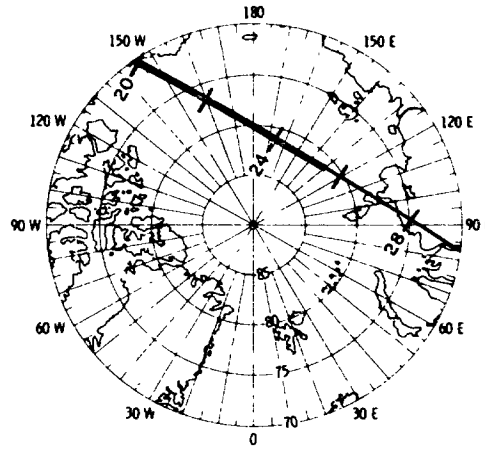


DATA ORBIT 94

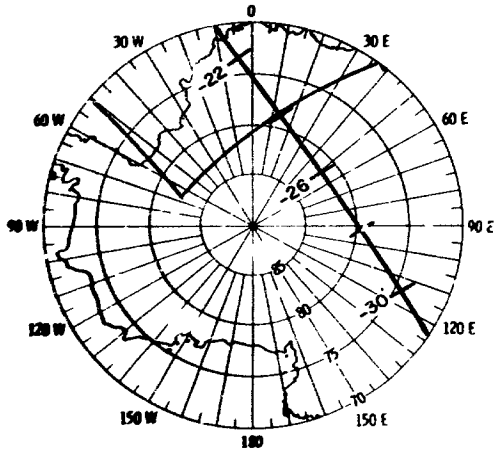


DATA ORBIT 95

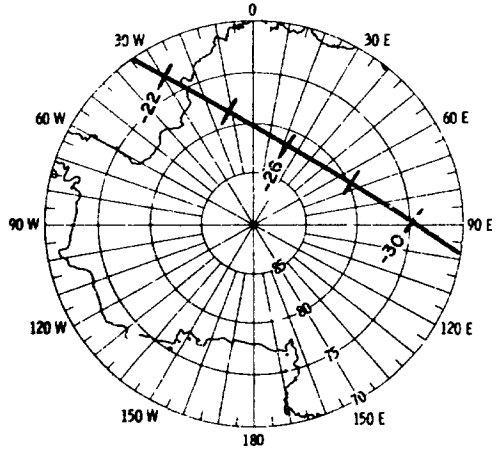


SOUTH POLAR REGIONS

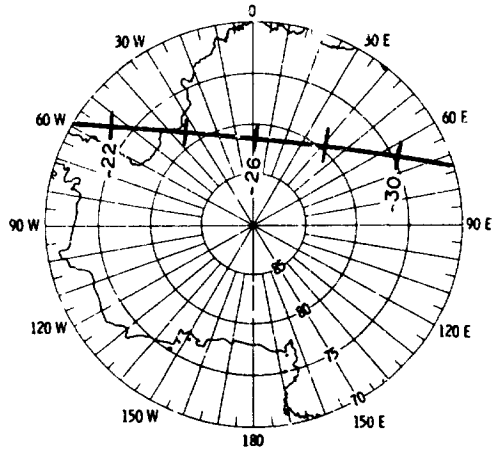
DATA ORBIT 91



DATA ORBIT 92



DATA ORBIT 93



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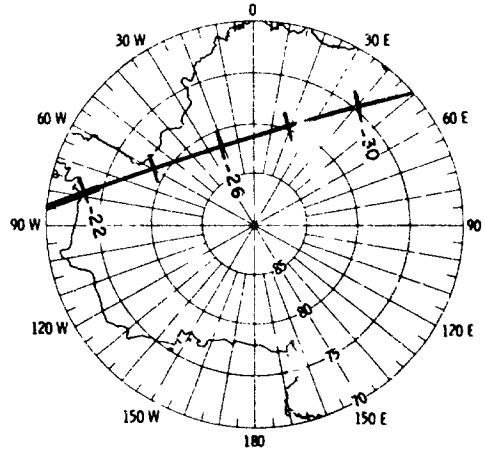
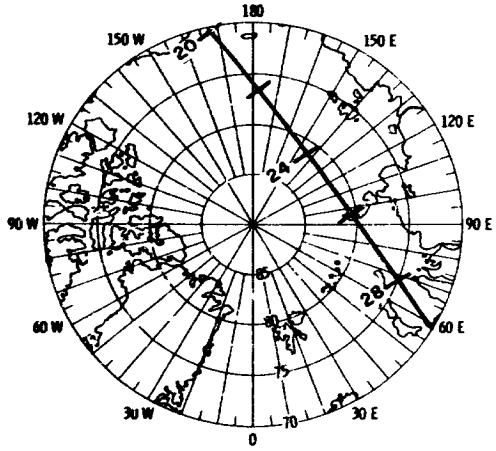


POLAR COVERAGE MAPS

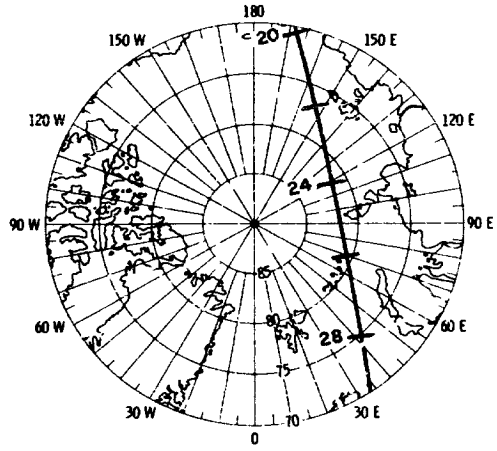
3 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 96



DATA ORBIT 97



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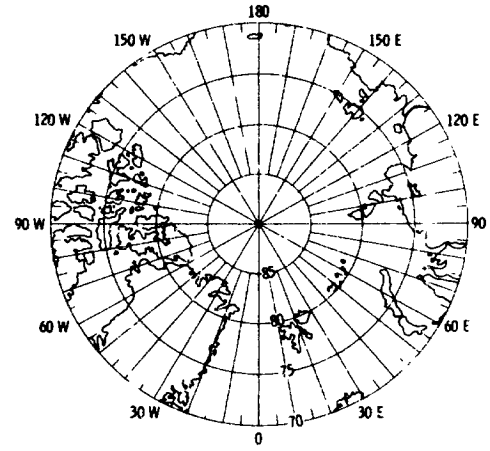

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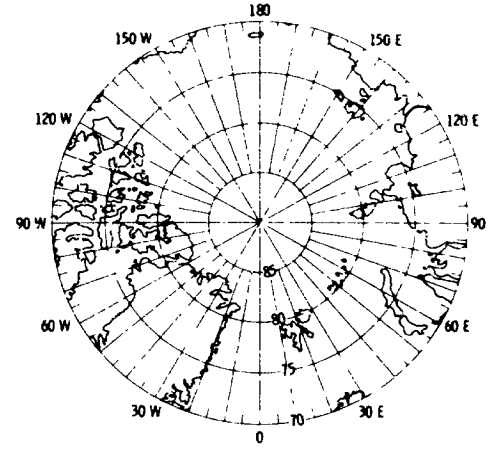
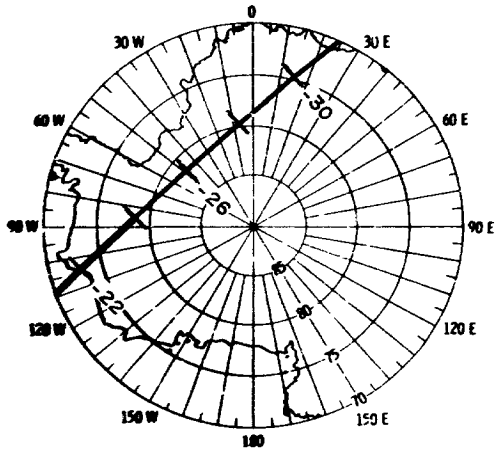
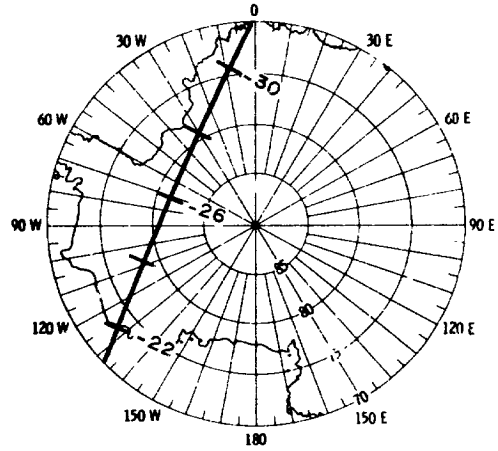


SOUTH POLAR REGIONS

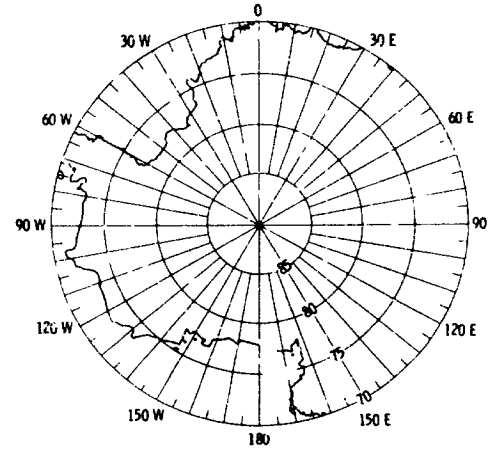
DATA ORBIT 95



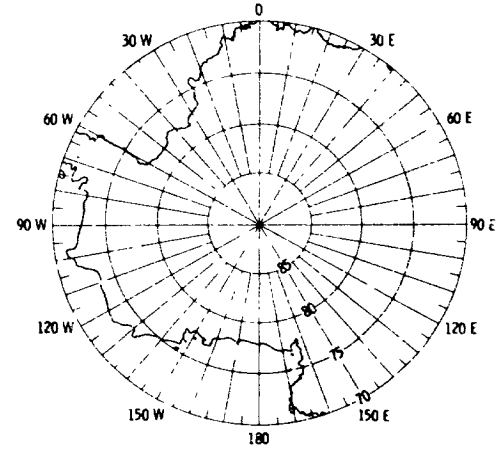
DATA ORBIT 96



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 Septsmber 3 Track 6

DATA ORBIT 68/89
DATE 3 September 1964
ASC. NODE 09 20 51 UT
33.78 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-089-60282	1	09 45 12	+24.4	538	8	1		
	1					2	GREENLAND	BANDS
	1					3	Ice Cap	Some Frontal
2-089-60282	2	09 43 41	+22.8	558	14	1	Fiords	Eddies
	2					2		
	2					3		
3-089-60282	3	09 42 10	+21.3	579	19	1		
	3					2		
	3					3		
4-089-60282	4	09 40 39	+19.8	601	25	1		
	4					2		
	4					3		
5-089-60282	5	09 39 08	+18.3	624	31	1		
	5					2		
	5					3		
6-089-60282	6	09 37 37	+16 8	647	36	1	Denmark, Norway & Sweden	Mostly Clear
	6					2	Lakes Vanern & Vatern	Stfm
	6					3		Cufm
7-089-60282	7	09 36 06	+15.3	670	41	1	Netherlands & Germany	Mostly Clear
	7					2	Bay of Danzig	Mostly Clear
	7					3		Small Cu
8-089-60282	8	09 34 35	+13.7	694	17	1	Gulf of Venice	
	8					2		CUFM
	8					3		
9-089-60282	9	09 33 04	+12.2	717	53	1	Italy & Albania	
	9					2		
	9					3	Black Sea & Crimea Pen.	
10-089-60282	10	09 31 33	+10.7	740	58	1	Greece	
	10					2	Greece & Turkey	MOSTLY CLEAR
	10					3	Turkey	
11-089-60282	11	09 30 02	+ 9.2	763	64	1		
	11					2	AFRICA	
	11					3	Madagascar	
12-089-60282	12	09 28 31	+ 7.7	785	69	1	Cyprus	
	12					2	Dead Sea	
	12					3	Sinai Pen.	
13-089-60282	13	09 27 00	+ 6.2	806	74	1	Nile River & Delta	
	13					2	Lakes Victoria, Tanganyika & Nyasa	
	13					3		
14-089-60282	14	09 25 29	+ 4.6	826	78	1		
	14					2		
	14					3		
15-089-60282	15	09 23 58	+ 3.1	845	82	1		
	15					2		CUFM
	15					3		Cb
16-089-60282	16	09 22 27	+ 1.6	863	83	1		Numerous Small Cu
	16					2		Fibrous
	16					3		
17-089-60282	17	09 20 56	+ 0.1	880	81	1		
	17					2		
	17					3		
18-089-60282	18	09 19 25	- 1.4	895	76	1		
	18					2		
	18					3		
19-089-60282	19	09 17 54	- 3.0	909	72	1		
	19					2		
	19					3		
20-089-60282	20	09 16 23	- 4.5	921	66	1		
	20					2		
	20					3		
21-089-60282	21	09 14 52	- 6.0	931	62	1		
	21					2		
	21					3		
22-089-60282	22	09 13 21	- 7.5	939	57	1		
	22					2		FRONTAL BANDS
	22					3		Eddies
23-089-60282	23	09 11 50	- 9.0	945	52	1		
	23					2		
	23					3		
24-089-60282	24	09 10 19	-10.5	949	47	1		
	24					2		
	24					3		
25-089-60282	25	09 08 48	-12.1	951	42	1		
	25					2		
	25					3		
26-089-60282	26	09 07 17	-13.6	950	37	1		
	26					2		
	26					3		
27-089-60282	27	09 05 46	-15.1	947	32	1		
	27					2		
	27					3		
28-089-60282	28	09 04 15	-16.6	943	27	1		
	28					2		
	28					3		
29-089-60282	29	09 02 44	-18.1	935	21	1		
	29					2		
	29					3		
30-089-60282	30	09 01 13	-19.6	927	16	1		
	30					2	ANTARCTICA	
	30					3		
31-089-60282	31	08 59 42	-21 2	914	11	1		
	31					2		THIN CLOUDS
	31					3		
32-089-60282	32	08 58 11	-22.7	900	6	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 3 Track 7

DATA ORBIT 89/90
DATE 3 September 1964
ASC NODE 10 39 17 GT
9 18 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-090-60288	1	11 23 33	+24.3	538	8	1		
	1					2	GREENLAND	APPARENT THIN CLOUDS
	1					3	Ice	
2-090-60288	2	11 22 02	+22 8	557	14	1	Fiords	
	2					2	Ice Floes	
	2					3		
3-090-60288	3	11 20 31	+21 2	580	17	1		
	3					2		
	3					3		
4-090-60288	4	11 19 00	+15 7	602	25	1		
	4					2		BANDS
	4					3		Some Frontal
5-090-60288	5	11 17 29	+18.2	624	3-	1		
	5					2		
	5					3		
6-090-60288	6	11 15 58	+16 7	647	37	1		
	6					2		
	6					3		
7-090-60288	7	11 14 27	+15 2	670	42	1		
	7					2		
	7					3		
8-090-60288	8	11 12 55	+13.7	694	48	1		
	8					2		
	8					3		
9-090-60288	9	11 11 25	+12.1	717	53	1		
	9					2		
	9					3		
10-090-60288	10	11 09 54	+10.6	740	58	1	Gibraltar	
	10					2	Spain & Algeria	CUFM
	10					3	Sardinia	
11-090-60288	11	11 08 25	+ 9.	763	64	1		
	11					2	AFRICA	MOSTLY CLEAR
	11					3	Sahara	
12-090-60288	12	11 06 52	+ 7 6	785	69	1	Etosha Pan	
	12					2	Okavango Swamps	
	12					3	Cunito & Cuando Rivers	
13-090-60288	13	11 05 21	+ 6.1	806	74	1		
	13					2		
	13					3		
14-090-60288	14	11 03 50	+ 4.6	826	78	1		
	14					2		
	14					3		
15-090-60288	15	11 02 19	+ 3.0	845	82	1		
	15					2		CUFM
	15					3		Cellular
16-090-60288	16	11 00 48	+ 1.5	863	83	1		Cb
	16					2		Fibrous
	16					3		Cifm
17-090-60288	17	10 59 17	0.0	881	80	1		
	17					2		
	17					3		
18-090-60288	18	10 57 46	- 1.5	896	76	1		
	18					2		
	18					3		
19-090-60288	19	10 56 15	- 3.0	909	72	1		
	19					2		
	19					3		
20-090-60288	20	10 54 44	- 4.6	921	67	1		
	20					2		
	20					3		MOSTLY CLEAR
21-090-60288	21	10 53 13	- 6.1	931	61	1		Large Cellular Field over Water
	21					2		St along Cst.
	21					3		
22-090-60288	22	10 51 42	- 7.6	939	57	1		
	22					2		
	22					3		
23-090-60288	23	10 50 11	9..	945	52	1		
	23					2		
	23					3		
24-090-60288	24	10 48 40	-10.6	949	47	1		
	24					2		BANDS
	24					3		Eddies
25-090-60288	25	10 47 09	-12.1	951	42	1		Cellular
	25					2		
	25					3		
26-090-60288	26	10 45 38	-13.7	950	37	1		
	26					2		
	26					3		
27-090-60288	27	10 44 07	-15.2	948	31	1		
	27					2		
	27					3		
28-090-60288	28	10 42 36	-16.7	943	26	1		
	28					2		
	28					3		
29-090-60288	29	10 41 05	-18.2	935	21	1		
	29					2		
	29					3		
30-090-60288	30	10 39 34	-19.7	925	16	1		
	30					2		
	30					3		
31-090-60288	31	10 38 03	-21.2	914	11	1		
	31					2	ANTARCTICA	APPARENT CLOUDS
	31					3		
32-090-60288	32	10 36 32	-22.8	900	6	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
196- September 3 Track 8

DATA ORBIT 90/91
DATE 3 September 1964
ASC. NODE 12 37 44 GMT
15.43 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-093-02889	1	13 01 48	+24.1	539	9	1	QUEEN ELIZABETH IS.	MOSTLY CLEAR Thin Bands
	1					2		
	1					3		
2-093-02889	2	13 00 17	+22.6	560	15	1	GREENLAND Ice Cap Fiords	
	2					2		
	2					3		
3-093-02889	3	12 58 46	+21.0	581	20	1		
	3					2		
	3					3		
4-093-02889	4	12 57 15	+19.5	603	26	1		
	4					2		
	4					3		
5-093-02889	5	12 55 44	+18.0	626	32	1		FRONTAL BANDS Small Vortex Vicinity 49 N Eddies
	5					2		
	5					3		
6-093-02889	6	12 54 13	+15.5	649	37	1		
	6					2		
	6					3		
7-093-02889	7	12 52 42	+15.0	673	43	1		
	7					2		
	7					3		
8-093-02889	8	12 51 11	+13.5	696	48	1		
	8					2		
	8					3		
9-093-02889	9	12 49 40	+11.9	719	54	1		CUFM Small Vortex Vicinity 37 N Cellular Some Cb Eddies
	9					2		
	9					3		
10-093-02889	10	12 48 09	+10.4	742	59	1		
	10					2		
	10					3		
11-093-02889	11	12 46 38	+ 8.9	764	64	1	AFRICA	
	11					2		
	11					3		
12-093-02889	12	12 45 07	+ 7.4	786	69	1		
	12					2		
	12					3		
13-093-02889	13	12 43 36	+ 5.9	807	74	1		
	13					2		
	13					3		
14-093-02889	14	12 42 05	+ 4.4	828	79	1		ITC
	14					2		
	14					3		
15-093-02889	15	12 40 34	+ 2.8	847	82	1		
	13					2		
	15					3		
16-093-02889	16	12 39 03	+ 1.3	865	83	1		
	16					2		
	16					3		
17-093-02889	17	12 37 32	- 0.2	881	80	1		CUFM Large Cellular Field Actiniform
	17					2		
	17					3		
18-093-02889	18	12 36 01	- 1.7	896	76	1		
	18					2		
	18					3		
19-093-02889	19	12 34 30	- 3.2	910	71	1		
	19					2		
	19					3		
20-093-02889	20	12 32 59	- 4.8	921	66	1		
	20					2		
	20					3		
21-093-02889	21	12 31 28	- 6.3	931	61	1		
	21					2		
	21					3		
22-093-02889	22	12 29 57	- 7.8	939	56	1		
	22					2		
	22					3		
23-093-02889	23	12 28 26	- 9.3	945	51	1		BANDS Some Frontal Eddies
	23					2		
	23					3		
24-093-02889	24	12 26 55	-10.8	949	46	1		
	24					2		
	24					3		
25-093-02889	25	12 25 24	-12.3	950	41	1		
	25					2		
	25					3		
26-093-02889	26	12 23 53	-13.9	950	36	1		
	26					2		
	26					3		
27-093-02889	27	12 22 22	-15.4	947	31	1		
	27					2		
	27					3		
28-093-02889	28	12 20 51	-16.9	942	25	1		APPARENT CLOUDS
	28					2		
	28					3		
29-093-02889	29	12 19 20	-18.4	934	21	1		
	29					2		
	29					3		
30-093-02889	30	12 17 49	-19.9	925	15	1	ANTARCTICA	
	30					2		
	30					3		
31-093-02889	31	12 16 18	-21.4	913	10	1		
	31					2		
	31					3		
32-093-02889	32	12 14 47	-23.0	899	5	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 3 Track 9

DATA ORBIT 91/92
DATE 3 September 1964
ASC NODE 14 16 10 UT
40.03 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-093-02889	1	14 20 26	+ 4.3	827	81	1		VORTEX Early Stages of Hurricane Ethel Vicinity 15 N 35 W
	1					2		
	1					3		
2-093-02889	2	14 18 55	+ 2.8	847	63	1		
	2					2		
	2					3		
3-093-02889	3	14 17 24	+ 1.2	865	83	1	SOUTH AMERICA	CUMM Cb Numerous Small Cu over Land Fibrous
	3					2		
						3		
4-093-02889	4	14 15 53	- 0.3	881	78	1		
	4					2		
	4					3		
5-093-02889	5	14 14 22	- 1.8	896	76	1		
	5					2		
	5					3		
6-093-02889	6	14 12 51	- 3.3	910	71	1		
	6					2		
	6					3		
7-093-02889	7	14 11 20	- 4.8	921	66	1		
	7					2		
	7					3		
8-093-02889	8	14 09 49	- 6.4	931	61	1		FRONTAL BANDS Vortex Vicinity 54 S Eddies
	8					2		
	8					3		
9-093-02889	9	14 08 18	- 7.9	939	56	1		
	9					2		
	9					3		
10-093-02889	10	14 06 47	- 9.4	945	51	1		
	10					2		
	10					3		
11-093-02889	11	14 05 16	-10.9	949	46	1		
	11					2		
	11					3		
12-093-02889	12	14 03 45	-12.4	951	41	1		
	12					2		
	12					3		
13-093-02889	13	14 02 14	-13.9	950	36	1		
	13					2		
	13					3		
14-093-02889	14	14 00 43	-15.5	947	31	1		
	14					2		
	14					3		
15-093-02889	15	13 59 12	-17.0	942	25	1		
	15					2		
	15					3		
16-093-02889	16	13 57 41	-18.5	934	20	1		
	16					2		
	16					3		
17-093-02889	17	13 56 10	-20.0	925	15	1		
	17					2		
	17					3		
18-093-02889	18	13 54 39	-21.5	913	10	1	ANTARCTICA	THIN CLOUDS
	18					2		
	18					3		
19-093-02889	19	13 53 08	-23.0	896	5	1		
	19					2		
	19					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 3 Track 10

DATA ORBIT 92/93
DATE 3 September 1964
ASC. NODE 15 54 36 GT
64 63 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-094-02894	1	16 14 06	+19.5	602	26	1		MOSTLY CLOUD COVERED
	1					2		
	1					3		
2-094-02894	2	16 12 35	+18 0	625	32	1	Southampton & Coats Is	FRONTAL BANDS
	2						Hudson Strait & Foxe Channel	
	2							
3-094-02894	3	16 11 04	+16.5	648	37			
	3					2		
	3					3		
4-094-02894	4	16 09 33	+15.0	671	43	1		
	4					2	James Bay	
	4					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 ptember 3 Track 11

DATA ORBIT 93/94
DATE 3 September 1964
ASC. NODE 17 33 02 UT
89.24 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-094-02894	1	17 37 26	+ 4.4	825	79	1	CENTRAL AMERICA	STORM AREA
	1					2		
	1					3		
2-094-02894	2	17 35 55	+ 2.9	844	82	1		
	2					2		
	2					3		
3-094-02894	3	17 34 24	+ 1.4	862	83	1		ITC
	3					2		
	3					3		
4-094-02894	4	17 32 53	- 0.2	879	80	1	SOUTH AMERICA Andes Mtn., Snow Covered	
	4					2		
	4					3		
5-094-02894	5	17 31 22	- 1.7	894	76	1		CUFM Large Cellular Field St along Cst.
	5					2		
	5					3		
6-094-02894	6	17 29 51	- 3.2	908	71	1		
	6					2		
	6					3		
7-094-02894	7	17 28 20	- 4.7	920	66	1		
	7					2		
	7					3		
8-094-02894	8	17 26 49	- 6.2	930	61	1		
	8					2		
	8					3		
9-094-02894	9	17 25 18	- 7.7	938	56	1		
	9					2		
	9					3		
10-094-02894	10	17 23 47	- 9.3	944	51	1		BANDS Some Frontal
	10					2		
	10					3		
11-094-02894	11	17 22 16	-10.8	949	46	1		
	11					2		
	11					3		
12-094-02894	12	17 20 45	-12.3	950	41	1		
	12					2		
	12					3		
13-094-02894	13	17 19 14	-13.8	950	36	1		
	13					2		
	13					3		
14-094-02894	14	17 17 43	-15.3	948	31	1		
	14					2		
	14					3		
15-094-02894	15	17 16 12	-16.8	943	26	1		
	15					2		
	15					3		

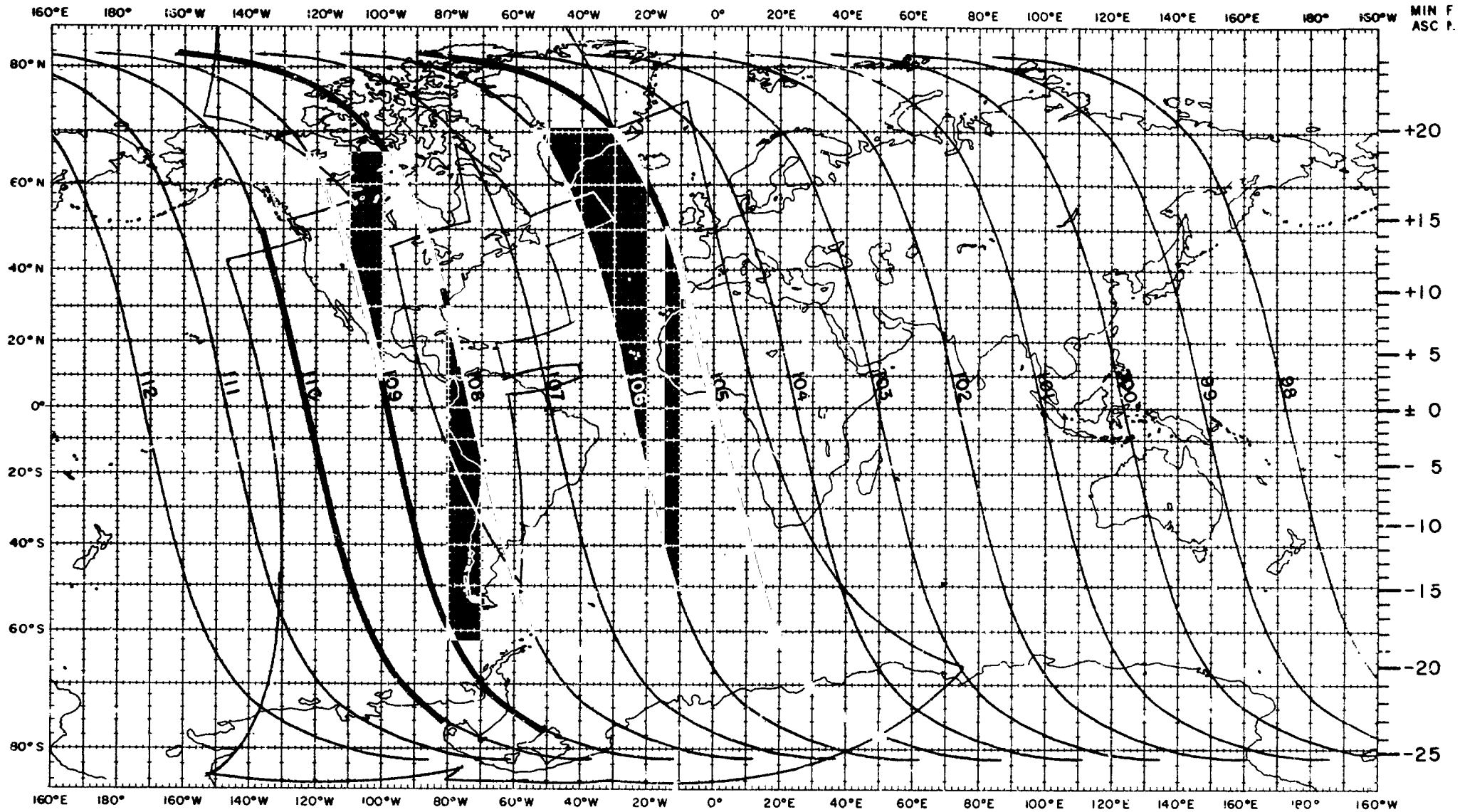
NIMBUS I DOCUMENTATION

4 September 1964

Orbits 97 through 112

AVCS DAILY COVERAGE MAP

4 SEPTEMBER 1964
ORBITS 97 TO 112

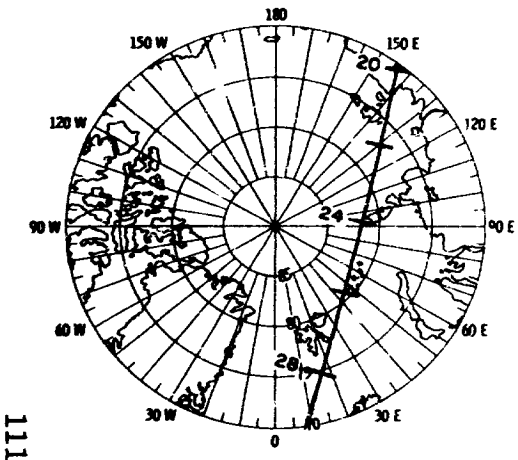


POLAR COVERAGE MAPS

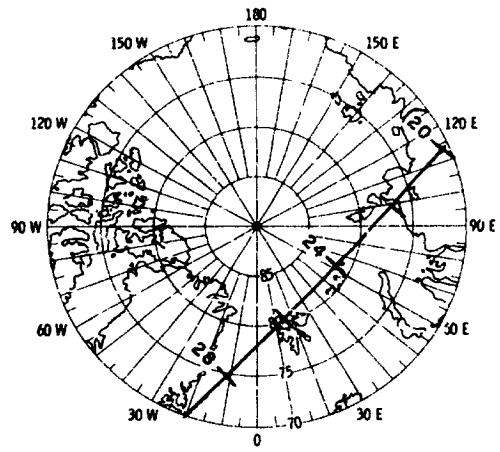
4 SEPTEMBER 1964

NORTH POLAR REGIONS

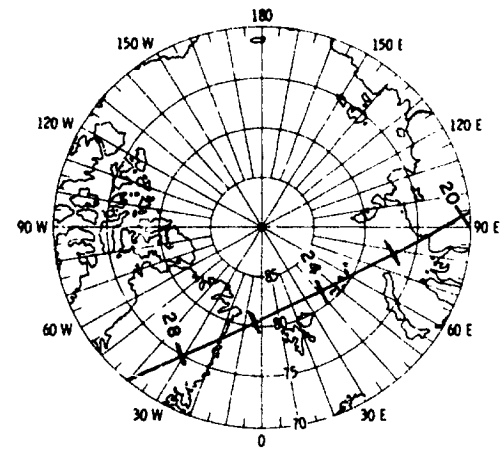
DATA ORBIT 98



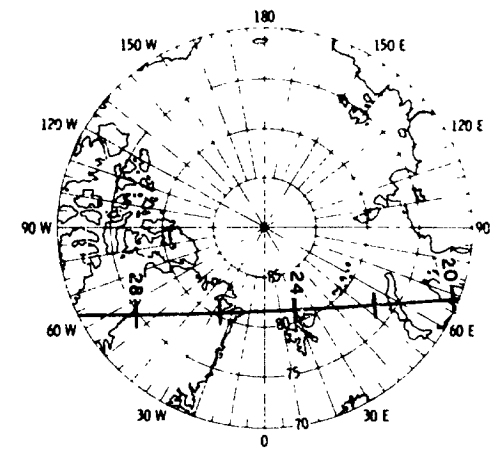
DATA ORBIT 99



DATA ORBIT 100

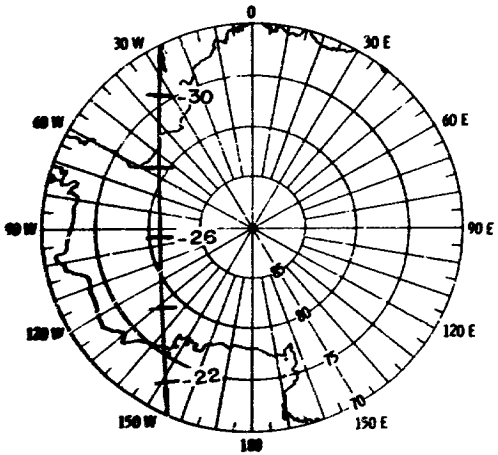


DATA ORBIT 101

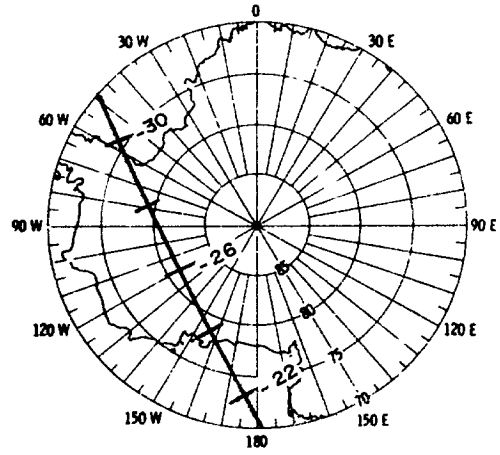


SOUTH POLAR REGIONS

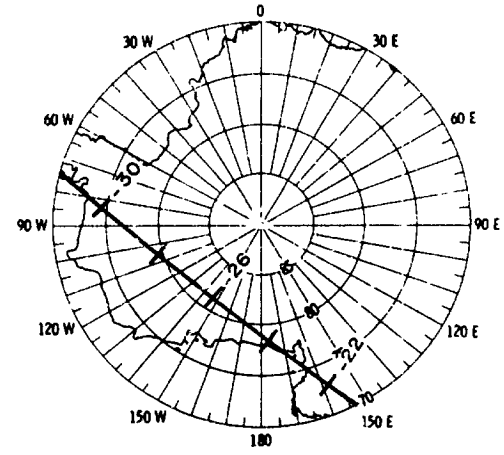
DATA ORBIT 97



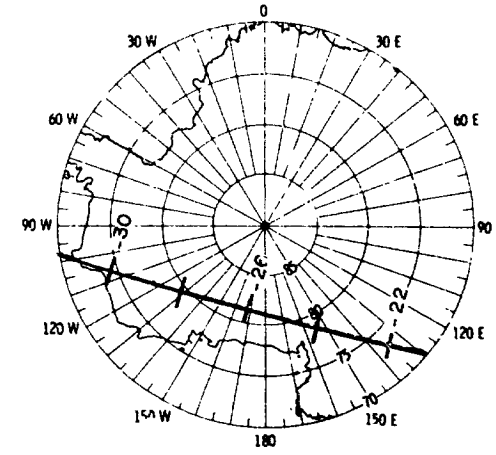
DATA ORBIT 98



DATA ORBIT 99



DATA ORBIT 100

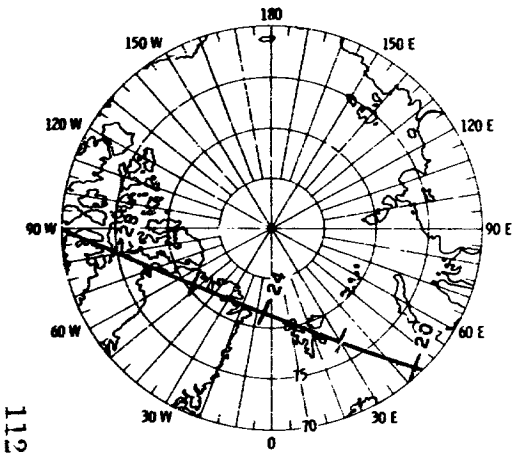


POLAR COVERAGE MAPS

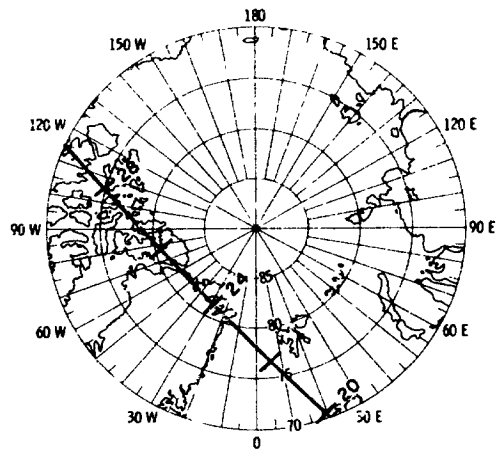
4 SEPTEMBER 1964

NORTH POLAR REGIONS

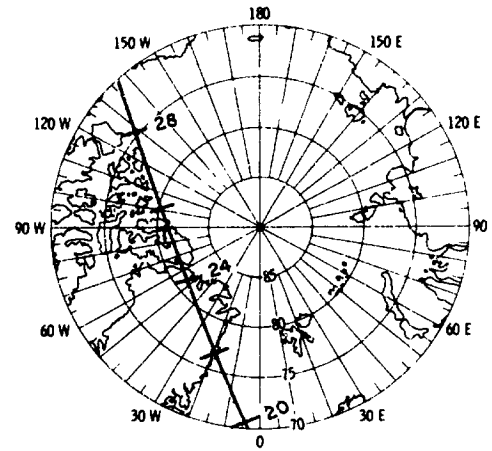
DATA ORBIT 102



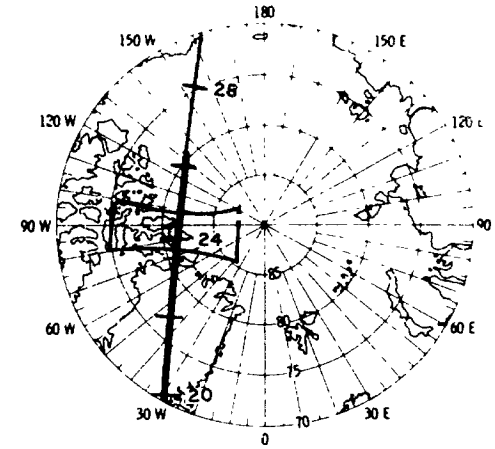
DATA ORBIT 103



DATA ORBIT 104

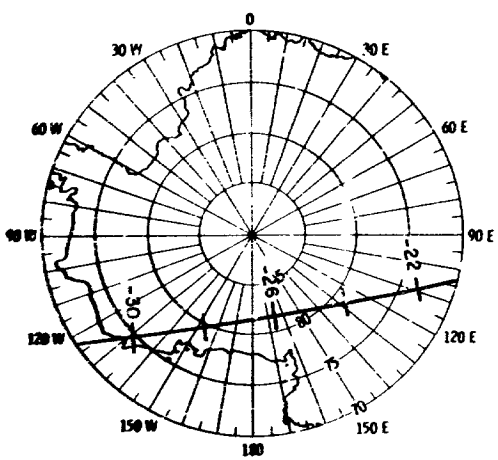


DATA ORBIT 105

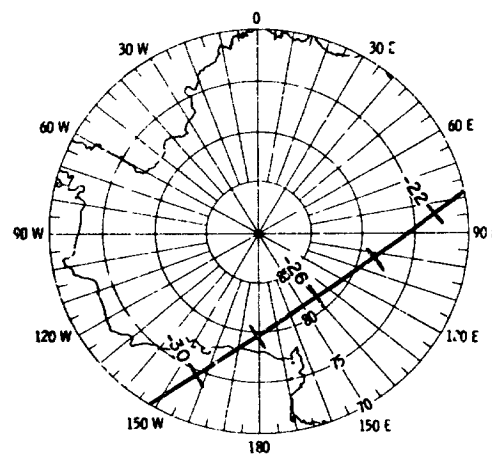


SOUTH POLAR REGIONS

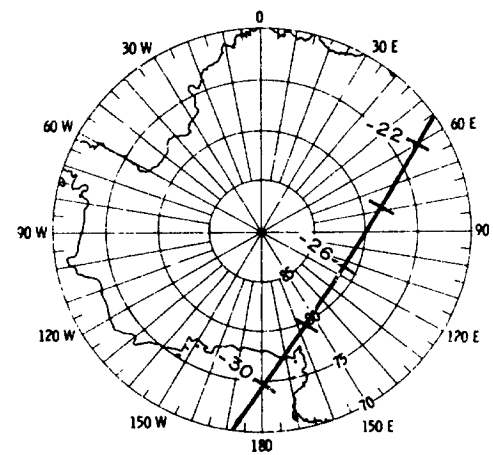
DATA ORBIT 101



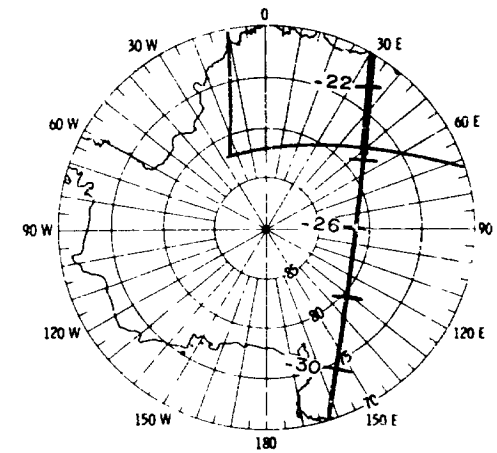
DATA ORBIT 102



DATA ORBIT 103



DATA ORBIT 104

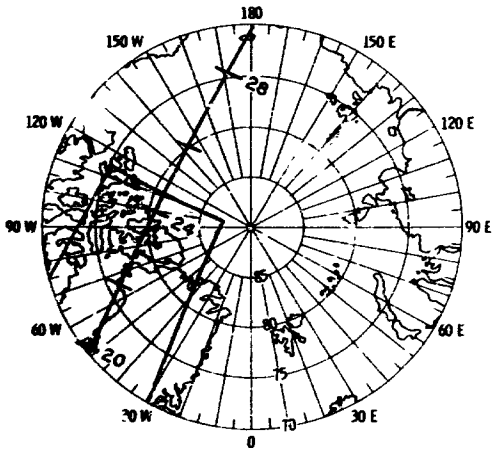


POLAR COVERAGE MAPS

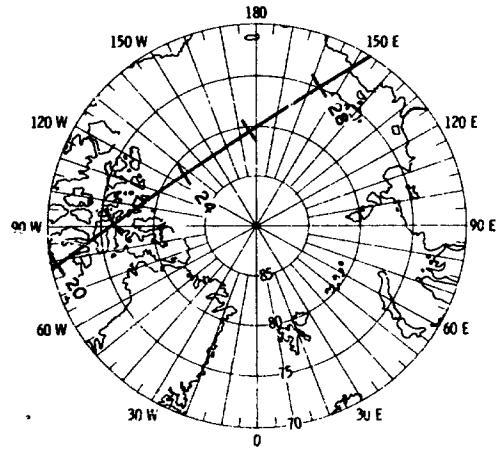
4 SEPTEMBER 1964

NORTH POLAR REGIONS

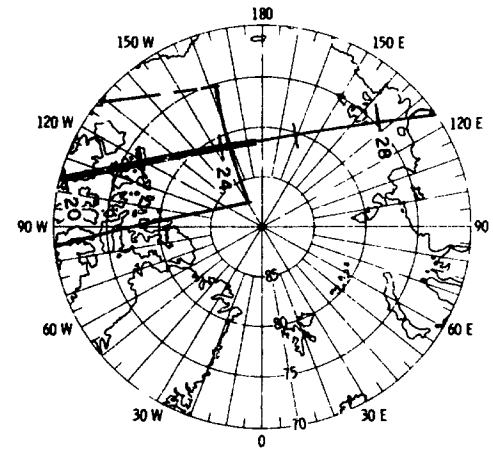
DATA ORBIT 106



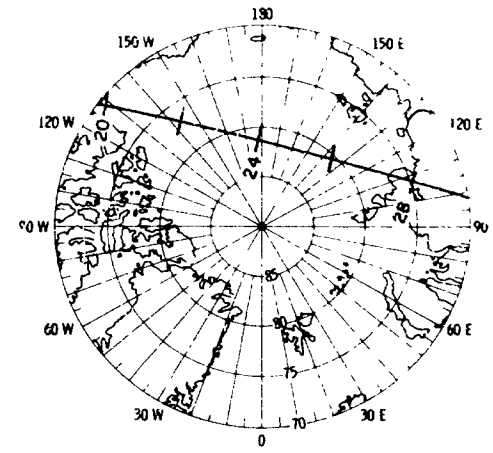
DATA ORBIT 107



DATA ORBIT 108

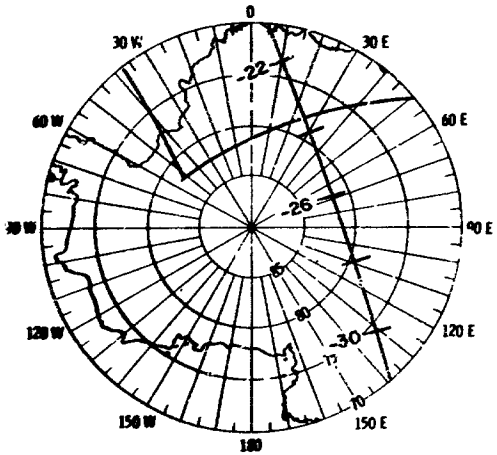


DATA ORBIT 109

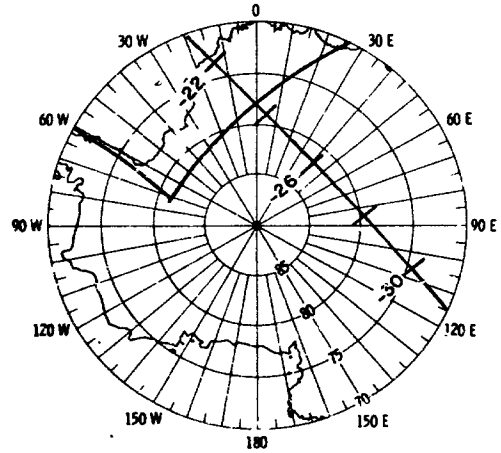


SOUTH POLAR REGIONS

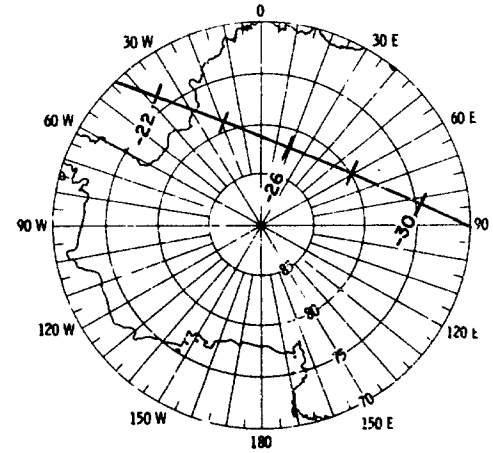
DATA ORBIT 105



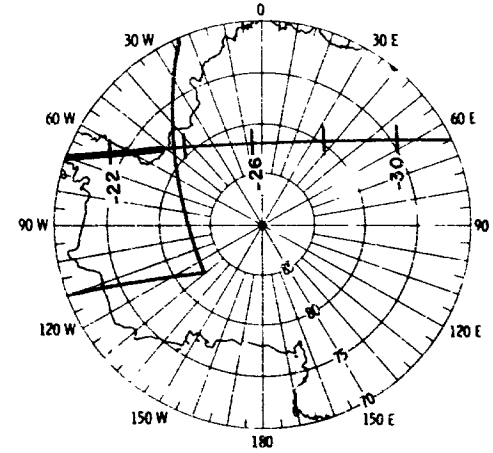
DATA ORBIT 106



DATA ORBIT 107



DATA ORBIT 108

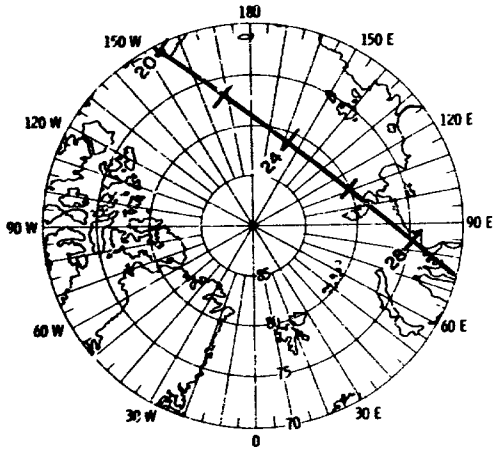


POLAR COVERAGE MAPS

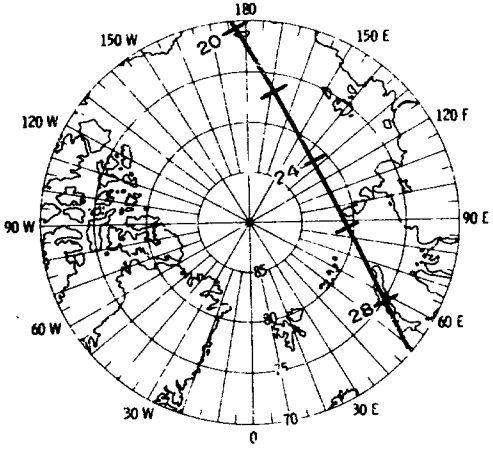
4 SEPTEMBER 1964

NORTH POLAR REGIONS

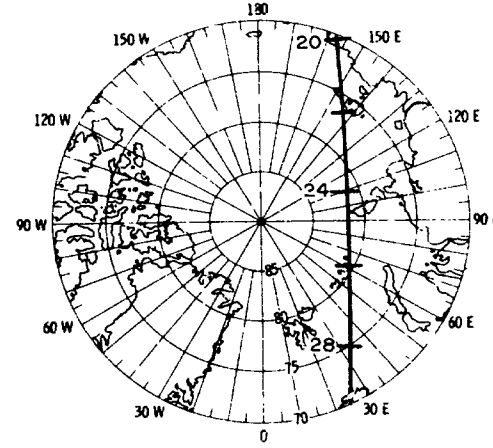
DATA ORBIT 110



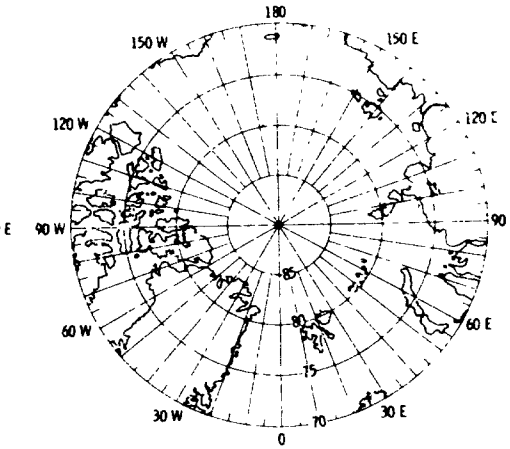
DATA ORBIT 111



DATA ORBIT 112

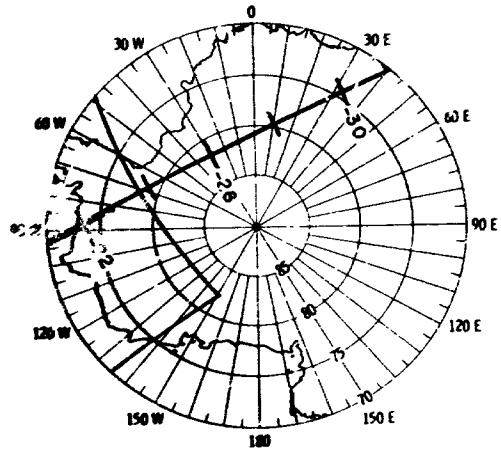


DATA ORBIT

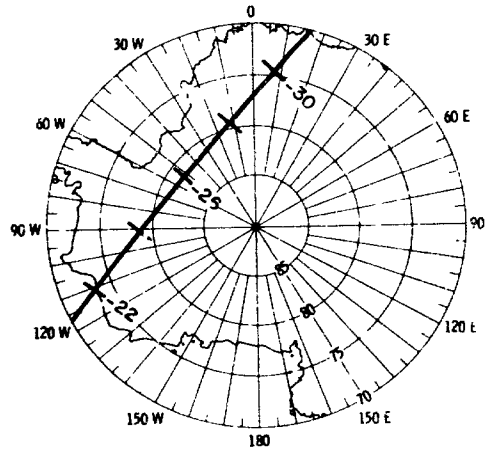


SOUTH POLAR REGIONS

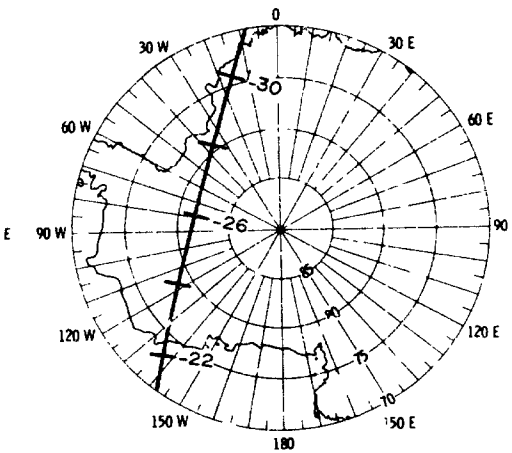
DATA ORBIT 109



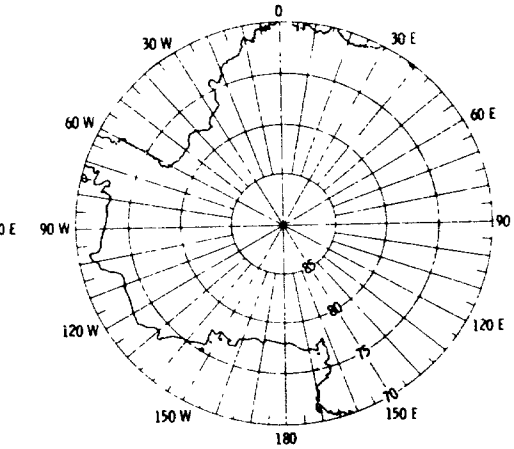
DATA ORBIT 110



DATA ORBIT 111



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 7

DATA ORBIT 104/105
DATE 4 September 1964
ASC. NODE 1 35 49 UT
0.12 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-105-60310	1	11 59 59	+24.2	527	8	1	QUEEN ELIZABETH IS.	MOSTLY CLEAR
	1					2		
	1					3		
2-105-60310	2	11 55 26	+19.6	589	25	1	GREENLAND	BANDS Some Frontal Vortex Vicinity 41 N Eddies
	2					2		
	2					3		
3-105-60310	3	11 53 55	+18.1	612	31	1	Iceland	
	3					2		
	3					3		
4-105-60310	4	11 52 24	+16.6	634	37	1		
	4					2		
	4					3		
5-105-60310	5	11 50 53	+15.1	657	42	1		
	5					2		
	5					3		
6-105-60310	6	11 49 22	+13.6	681	48	1		
	6					2		
	6					3		
7-105-60310	7	11 47 51	+12.1	704	55	1	SPAIN & PORTUGAL	
	7					2		
	7					3		
8-105-60310	8	11 46 20	+10.5	727	59	1		
	8					2		
	8					3		
9-105-60310	9	1 44 49	+ 9.0	750	64	1	AFRICA Sahara Etosha Pan	MOSTLY CLEAR
	9					2		
	9					3		
10-105-60310	10	11 43 18	+ 7.5	773	69	1		
	10					2		
	10					3		
11-105-60310	11	11 41 47	+ 6.0	794	74	1		
	11					2		
	11					3		
12-105-60310	12	11 40 16	+ 4.5	815	79	1		CUFM Cb Fibrous
	12					2		
	12					3		
13-105-60310	13	11 38 45	+ 2.9	835	82	1		
	13					2		
	13					3		
14-105-60310	14	11 37 14	+ 1.4	854	83	1		
	14					2		
	14					3		
15-105-60310	15	11 35 43	- 0.1	872	81	1		
	15					2		
	15					3		
16-105-60310	16	11 34 12	- 1.6	888	76	1		CUFM Large Cellular Field St along Cst
	16					2		
	16					3		
17-105-60310	17	11 32 41	- 3.1	902	72	1		
	17					2		
	17					3		
18-105-60310	18	11 31 10	- 4.7	915	67	1		
	18					2		
	18					3		
19-105-60310	19	11 29 39	- 6.2	927	62	1		
	19					2		
	19					3		
20-105-60310	20	11 28 08	- 7.7	936	57	1		
	20					2		
	20					3		
21-105-60310	21	11 26 37	- 9.2	943	52	1		
	21					2		
	21					3		
22-105-60310	22	11 25 06	-10.7	948	47	1		
	22					2		
	22					3		
23-105-60310	23	11 23 35	-12.2	951	41	1		MOSTLY CLOUD COVERED Bards
	23					2		
	23					3		
24-105-60310	24	11 22 04	-13.8	952	36	1		
	24					2		
	24					3		
25-105-60310	25	11 20 33	-15.3	950	31	1		
	25					2		
	25					3		
26-105-60310	26	11 19 02	-16.8	947	26	1		
	26					2		
	26					3		
27-105-60310	27	11 17 31	-18.3	941	20	1		
	27					2		
	27					3		
28-105-60310	28	11 16 00	-19.8	932	16	1		
	28					2		
	28					3		
29-105-60310	29	11 14 29	-21.3	921	11	1	ANTARCTICA	THIN CLOUDS
	29					2		
	29					3		
30-105-60310	30	11 12 58	-22.9	908	5	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 8

DATA ORBIT 105/106
DATE 4 September 1964
ASC. NODE 13 14 15 UT
24.49 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-108-02598	1	13 38 15	+24.0	528	9	1	Perry Is.	
	1					2	Arctic Ice	MOSTLY CLEAR
	1					3	Arctic Ice	Some [illegible] Clouds
2-108-02598	2	13 36 44	+22.5	548	14	1		
	2					2	GREENLAND & BAFFIN I.	
	2					3		
3-108-02598	3	13 35 13	+20.9	559	20	1		
	3					2		
	3					3		
4-108-02598	4	13 33 42	+19.4	591	26	1		
	4					2		
	4					3		
5-108-02598	5	13 32 11	+17.9	613	32	1		
	5					2		FRONTAL BANDS
	5					3		
6-108-02598	6	13 30 40	+16.4	636	37	1		
	6					2		
	6					3		
7-108-02598	7	13 27 38	+13.4	683	48	1		
	7					2		
	7					3		
8-108-02598	8	13 26 07	+11.8	706	54	1		
	8					2		CUFM
	8					3		Some Cb
9-108-02598	9	13 24 36	+10.3	729	59	1		
	9					2		
	9					3		
10-108-02598	10	13 23 09	+ 8.8	752	64	1		
	10					2		
	10					3		
11-108-02598	11	13 21 34	+ 7.3	774	70	1		
	11					2		CUFM
	11					3		Cellular
12-108-02598	12	13 20 03	+ 5.8	795	74	1		
	12					2		
	12					3		
13-108-02598	13	13 18 32	+ 4.3	817	79	1		
	13					2		ITC
	13					3		
14-108-02598	14	13 17 01	+ 2.7	837	83	1		
	14					2		
	14					3		
15-108-02598	15	13 15 30	+ 1.2	855	83	1		
	15					2		
	15					3		
16-108-02598	16	13 13 59	- 0.3	873	80	1		
	16					2		
	16					3		CUFM
17-108-02598	17	13 12 28	- 1.8	889	76	1		Band
	17					2		Large Cellular Field
	17					3		Actiniform
18-108-02598	18	13 10 57	- 3.3	905	71	1		Fibrous
	18					2		
	18					3		
19-108-02598	19	13 09 26	- 4.8	916	66	1		
	19					2		
	19					3		
20-108-02598	20	13 07 55	- 6.3	927	61	1		
	20					2		
	20					3		
21-108-02598	21	13 06 24	- 7.9	937	56	1		
	21					2		
	21					3		
22-108-02598	22	13 04 53	- 9.3	944	51	1		
	22					2		
	22					3		
23-108-02598	23	13 03 22	-10.9	949	46	1		
	23					2		FRONTAL BANDS
	23					3		Eddies
24-108-02598	24	13 01 51	-12.3	951	41	1		
	24					2		
	24					3		
25-108-02598	25	13 00 20	-13.9	952	36	1		
	25					2		
	25					3		
26-108-02598	26	12 58 49	-15.4	950	31	1		
	26					2		
	26					3		
27-108-02598	27	12 57 18	-17.0	946	26	1		
	27					2		
	27					3		
28-108-02598	28	12 55 47	-18.5	940	20	1		
	28					2		APPARENT CLOUDS
	28					3		
29-108-02598	29	12 54 16	-20.0	931	15	1		
	29					2		
	29					3		
30-108-02598	30	12 52 45	-21.5	921	10	1		
	30					2	ANTARCTICA	
	30					3		
31-108-02598	31	12 51 14	-23.0	907	5	1		
	31					2		
	31					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 9

DATA ORBIT 106/107
DATE 4 September 1964
ASC. NODE 14 52 41 UT
49.99 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-108-02598	1	14 58 23	+ 7.7	795	74	1		CUFM S. Edge of Hurricane Dora
	1					2		
	1					3		
2-108-02598	2	14 56 52	+ 4.2	817	80	1		
	2					2		
	2					3		
3-108-02598	3	14 53 50	+ 1.2	856	83	1	SOUTH AMERICA Marajo I.	CUFM Numerous Small Cu over Land
	3					2		
	3					3		
4-108-02598	4	14 52 19	- 0.4	873	80	1		
	4					2		
	4					3		
5-108-02598	5	14 50 48	- 1.9	889	76	1		
	5					2		
	5					3		
6-108-02598	6	14 49 17	- 3.4	904	71	1		
	6					2		
	6					3		
7-108-02598	7	14 47 46	- 4.9	917	66	1		FRONTAL BANDS Eddies
	7					2		
	7					3		
8-108-02598	8	14 46 15	- 6.5	928	61	1		
	8					2		
	8					3		
9-108-02598	9	14 44 44	- 8.0	937	56	1		
	9					2		
	9					3		
10-108-02598	10	14 43 13	- 9.5	944	51	1		
	10					2		
	10					3		
11-108-02598	11	14 41 42	-11.0	949	46	1		
	11					2		
	11					3		
12-108-02598	12	14 40 11	-12.5	952	41	1		
	12					2		
	12					3		
13-108-02598	13	14 38 40	-14.0	952	36	1		
	13					2		
	13					3		
14-108-02598	14	14 37 09	-15.5	950	30	1		
	14					2		
	14					3		
15-108-02598	15	14 35 38	-17.1	946	25	1		
	15					2		
	15					3		
15-108-02598	16	14 34 07	-18.6	940	20	1		
	16					2		
	16					3		
17-108-02598	17	14 32 36	-20.1	931	15	1		APPARENT CLOUDS
	17					2		
	17					3		
18-108-02598	18	14 31 05	-21.6	920	10	1	ANTARCTICA	
	18					2		
	18					3		
19-108-02598	19	14 29 34	-23.1	907	5	1		
	19					2		
	19					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 10

DATA ORBIT 107/108
DATE 4 September 1964
ASC. NODE 16 31 07 GMT
73.70 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-109-60343	1	16 54 52	+23.8	530	10	1		
	1					2	ARCTIC ICE	THIN CLOUDS
	1					3		
2-109-60343	2	16 53 21	+22.2	540	16	1	Arctic Ice	
	2					2	Arctic Ice	
	2					3	Mackenzie King & Borden Is.	
3-109-60343	3	16 50	+20.7	571	21	1		
	3					2		FRONTAL BANDS
	3					3		Vortex Vicinity 59 N
4-109-60343	4	16 50 19	+19.2	593	27	1		
	4					2		
	4					3		
5-109-60343	5	16 48 48	+17.7	615	32	1		
	5					2		
	5					3		
6-109-60343	6	16 47 17	+16.2	638	38	1		
	6					2		
	6					3		
7-109-60343	7	16 45 46	+14.7	661	44	1		
	7					2		
	7					3		

NIMBUS 1

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 11

DATA ORBIT 108/109
DATE 4 September 1964
ASC. NODE 18 09 34 UT
98.30 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-109-60343	1	18 24 27	+14.9	655	43	1	CANADA, UNITED STATES & MEXICO Rocky Mts., Snow Covered Columbia River Valley Great Salt Lake N. Platte & S. Platte River Junction Black Hills Fort Peck Reservoir Cheyenne & Yellowstone Rivers Pathfinder & Sominoe Reservoirs Lake Mead Salton Sea Baja California	MOSTLY CLEAR Small Cu Cu Streets
	1					2		
	1					3		
2-109-60343	2	18 22 56	+13.4	679	49	1		
	2					2		
	2					3		
3-109-60343	3	18 21 25	+11.9	702	53	1		
	3					2		
	3					3		
4-109-60343	4	18 19 54	+10.3	725	59	1		
	4					2		
	4					3		
5-109-60343	5	18 18 23	+ 8.8	745	63	1		
	5					2		
	5					3		
6-109-60343	6	18 16 52	+ 7.3	772	69	1		
	6					2		
	6					3		
7-109-60343	7	18 15 21	+ 5.8	793	74	1		STORM AREA
	7					2		
	7					3		
8-109-60343	8	18 13 50	+ 4.3	814	79	1		
	8					2		
	8					3		
9-109-60343	9	18 12 19	+ 2.8	834	82	1		
	9					2		
	9					3		
10-109-60343	10	18 10 48	+ 1.2	853	83	1		ITC
	10					2		
	10					3		
11-109-60343	11	18 09 17	- 0.3	870	79	1		
	11					2		
	11					3		
12-109-60343	12	18 07 46	- 1.8	887	76	1		CUFM Large Cellular Field Fibrous
	12					2		
	12					3		
13-109-60343	13	18 06 15	- 3.3	902	71	1		
	13					2		
	13					3		
14-109-60343	14	18 04 44	- 4.8	915	66	1		
	14					2		
	14					3		
15-109-60343	15	18 03 13	- 6.4	927	61	1		
	15					2		
	15					3		
16-109-60343	16	18 01 42	- 7.9	936	56	1		
	16					2		
	16					3		
17-109-60343	17	18 00 11	- 9.4	943	51	1		BANDS Some Frontal Vortices Eddies Cellular
	17					2		
	17					3		
18-109-60343	18	17 58 40	-10.9	948	46	1		
	18					2		
	18					3		
19-109-60343	19	17 57 09	-12.4	950	41	1		
	19					2	SOUTH AMERICA	
	19					3		
20-109-60343	20	17 55 38	-13.9	952	36	1		
	20					2		
	20					3		
21-109-60343	21	17 54 07	-15.5	951	31	1		
	21					2		
	21					3		
22-109-60343	22	17 52 36	-17.0	947	26	1		
	22					2		
	22					3		
23-109-60343	23	17 51 05	-18.5	940	21	1		
	23					2		
	23					3		
24-109-60343	24	17 49 34	-20.0	933	15	1		
	24					2	ANTARCTICA Palmer Pen. Weddell Sea	
	24					3		
25-109-60343	25	17 48 03	-21.5	922	10	1		THIN CLOUDS
	25					2		
	25					3		
26-109-60343	26	17 46 32	-23.0	909	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 4 Track 12

DATA ORBIT 109/110
DATE 4 September 1964
ASC. NODE 19 48 00 GMT
122.91 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-110-60338	1	19 59 57	+12.0	700	53	1	UNITED STATES W. Cst.	CUFM Large Cellular Field
	1					2		
	1					3		
2-110-60338	2	19 58 26	+10.4	724	59	1		
	2					2		
	2					3		
3-110-60338	3	19 56 55	+ 8.9	747	64	1		
	3					2		
	3					3		
4-110-60338	4	19 55 24	+ 7.4	769	69	1		
	4					2		
	4					3		
5-110-60338	5	19 53 53	+ 5.9	791	74	1		TROPICAL STORM TILLIE Also a Tropical Depression Vicinity 12 N
	5					2		
	5					3		
6-110-60338	6	19 52 22	+ 4.4	812	79	1		
	6					2		
	6					3		
7-110-60338	7	19 50 51	+ 2.9	832	82	1		
	7					2		
	7					3		
8-110-60338	8	19 49 20	+ 1.3	851	83	1		CUFM Bands Cellular Streets Large Cells Fibrous
	8					2		
	8					3		
9-110-60338	9	19 47 49	- 0.2	869	80	1		
	9					2		
	9					3		
10-110-60338	10	19 46 18	- 1.7	886	76	1		
	10					2		
	10					3		
11-110-60338	11	19 44 47	- 3.2	900	72	1		
	11					2		
	11					3		
12-110-60338	12	19 43 16	- 4.7	914	67	1		
	12					2		
	12					3		
13-110-60338	13	19 41 45	- 6.3	925	62	1		
	13					2		
	13					3		
14-110-60338	14	19 40 14	- 7.8	935	57	1		
	14					2		
	14					3		
15-110-60338	15	19 38 43	- 9.3	942	51	1		
	15					2		
	15					3		
16-110-60338	16	19 37 12	-10.8	948	46	1		
	16					2		
	16					3		
17-110-60338	17	19 35 41	-12.3	951	41	1		
	17					2		
	17					3		
18-110-60338	18	19 34 10	-13.8	952	36	1		
	18					2		FRONTAL BANDS Vortices Vicinity 50 S, 65 S & 67 S Eddies Cellular
	18					3		
19-110-60338	19	19 32 39	-15.4	951	31	1		
	19					2		
	19					3		
20-110-60338	20	19 31 08	-16.9	948	26	1		
	20					2		
	20					3		
21-110-60338	21	19 29 37	-18.4	942	21	1		
	21					2		
	21					3		
22-110-60338	22	19 28 06	-19.9	934	16	1		
	22					2		
	22					3		
23-110-60338	23	19 26 35	-21.4	923	11	1	ANTARCTICA	APPARENT CLOUDS
	23					2		
	23					3		
24-110-60338	24	19 25 04	-22.9	911	5	1		
	24					2		
	24					3		

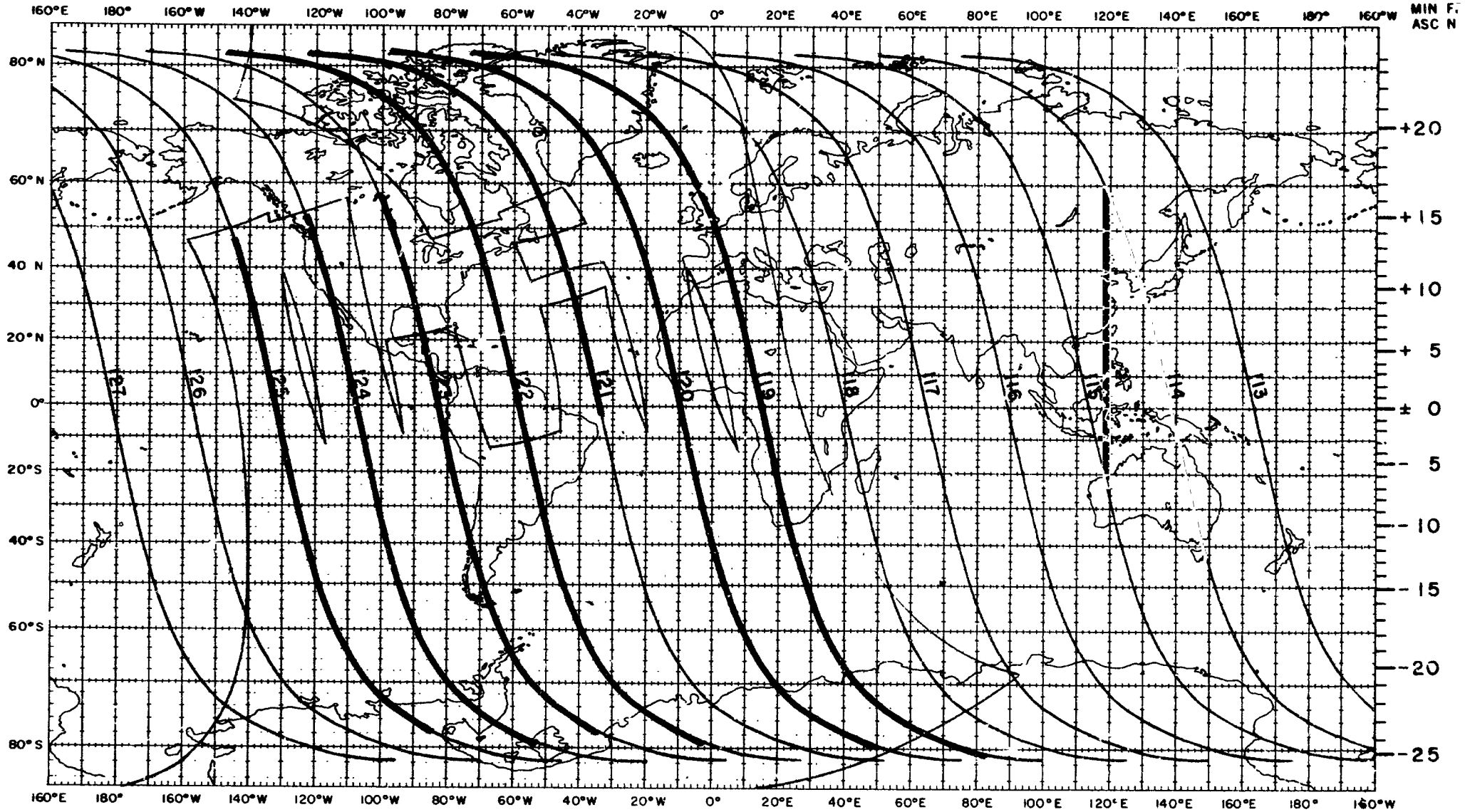
NIMBUS I DOCUMENTATION

5 September 1964

Orbits 112 through 127

AVCS DAILY COVERAGE MAP

5 SEPTEMBER 1964
ORBITS 112 TO 127

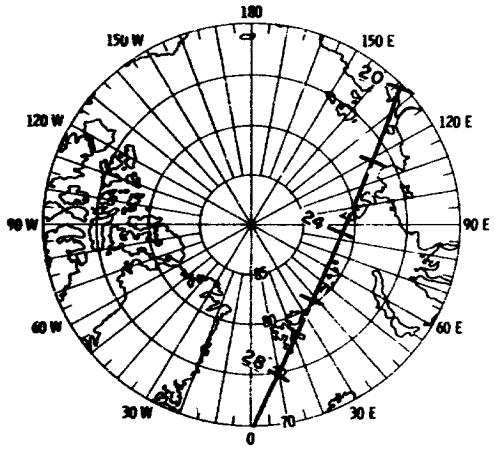


POLAR COVERAGE MAPS

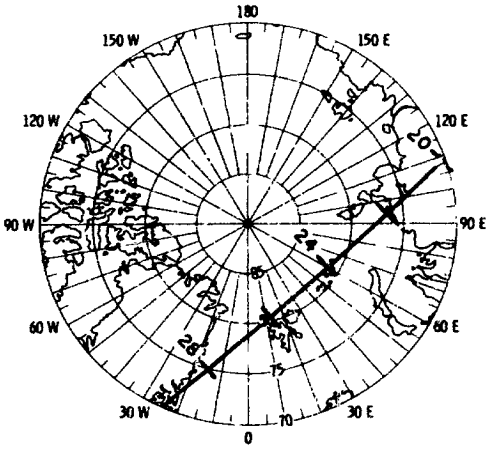
5 SEPTEMBER 1964

NORTH POLAR REGIONS

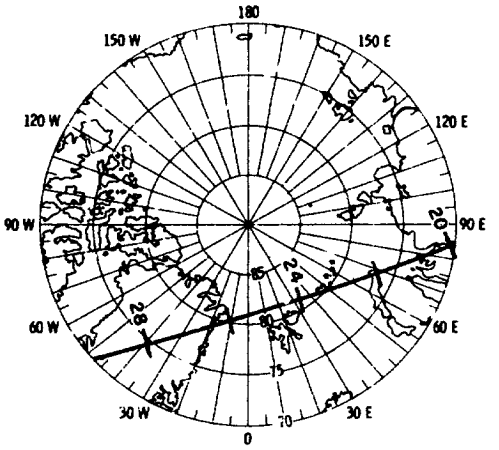
DATA ORBIT 113



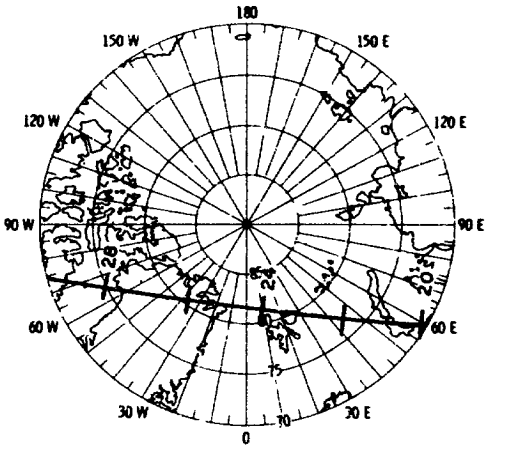
DATA ORBIT 114



DATA ORBIT 115

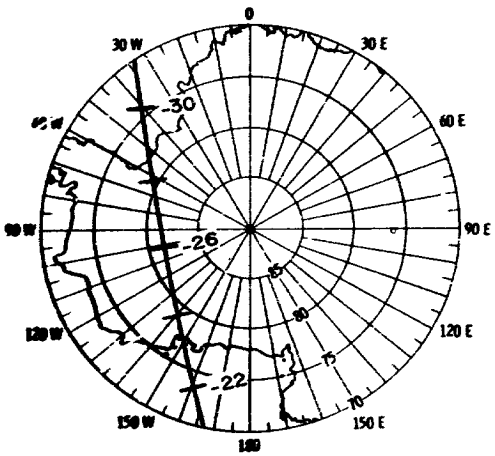


DATA ORBIT 116

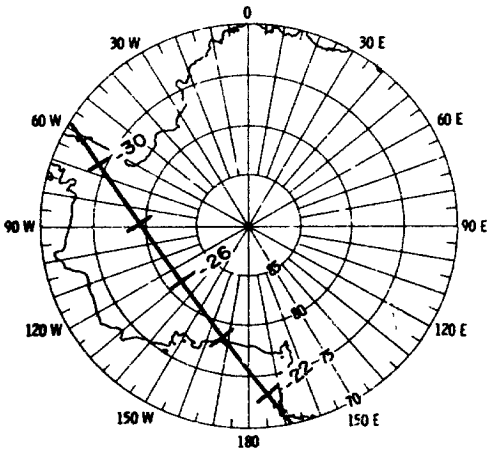


SOUTH POLAR REGIONS

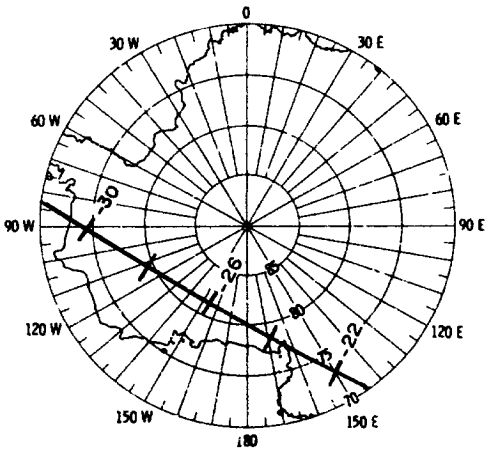
DATA ORBIT 112



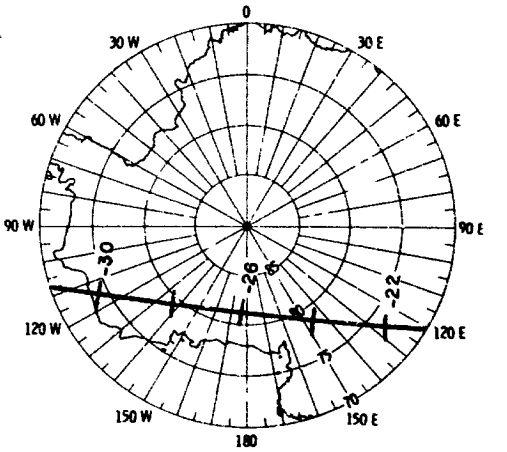
DATA ORBIT 113



DATA ORBIT 114



DATA ORBIT 115

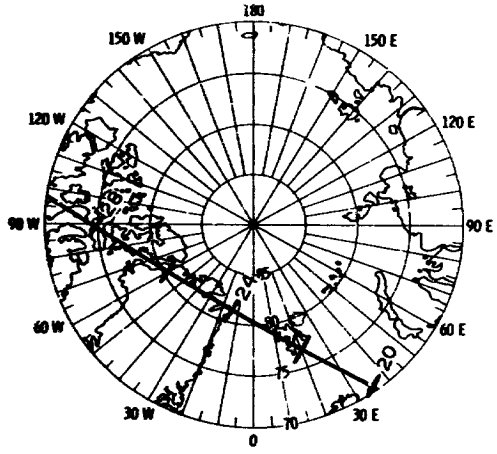


POLAR COVERAGE MAPS

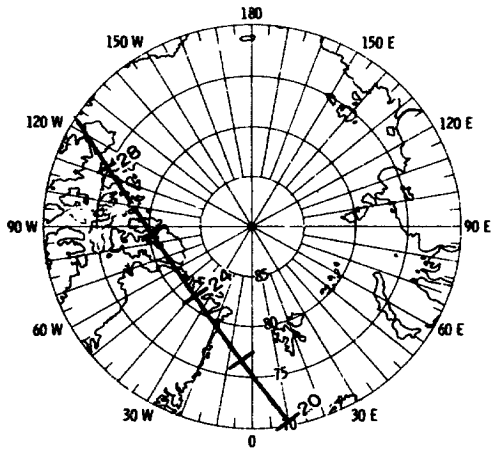
5 SEPTEMBER 1964

NORTH POLAR REGIONS

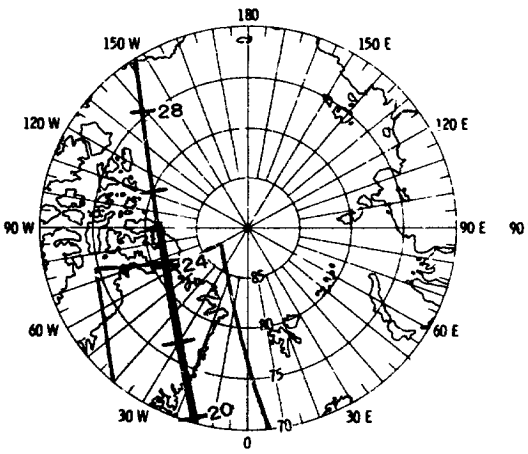
DATA ORBIT 117



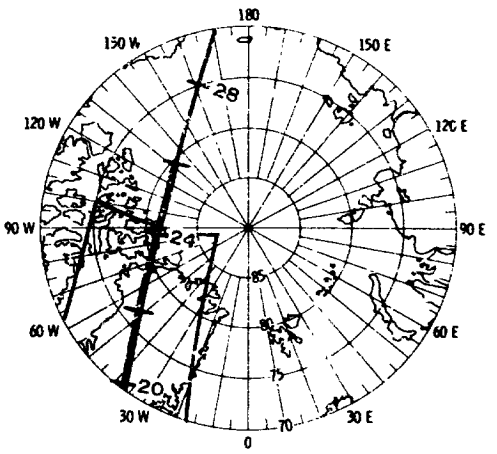
DATA ORBIT 118



DATA ORBIT 119

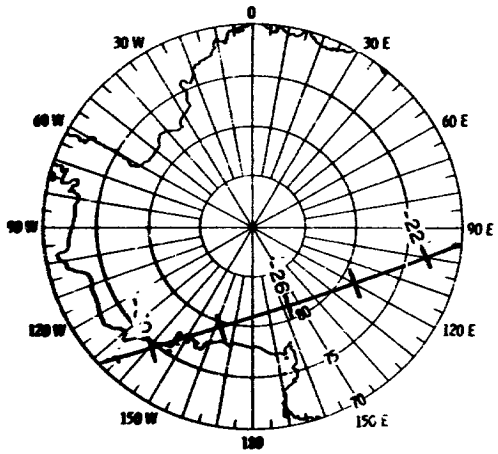


DATA ORBIT 120

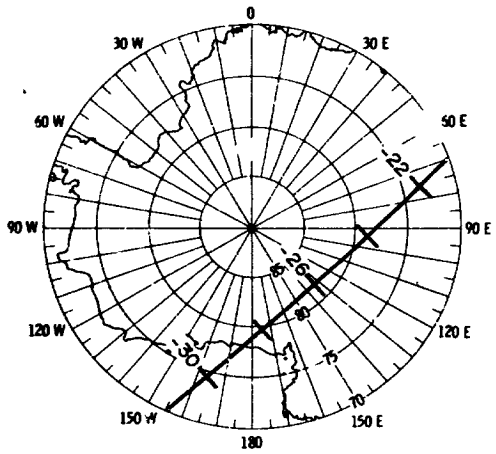


SOUTH POLAR REGIONS

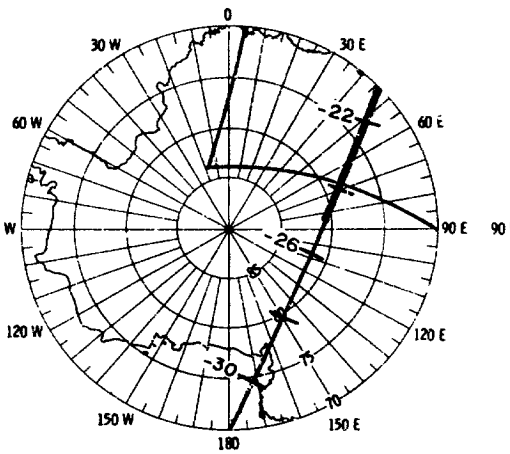
DATA ORBIT 116



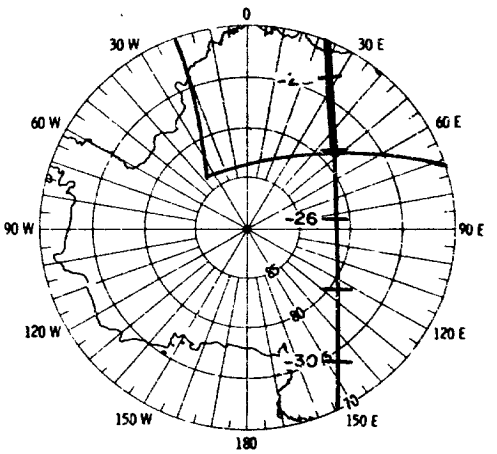
DATA ORBIT 117



DATA ORBIT 118



DATA ORBIT 119

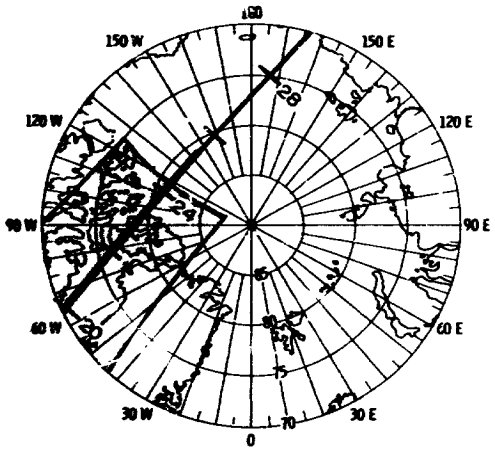


POLAR COVERAGE MAPS

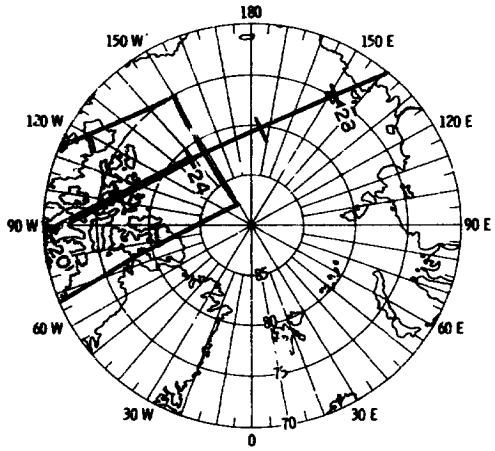
5 SEPTEMBER 1964

NORTH POLAR REGIONS

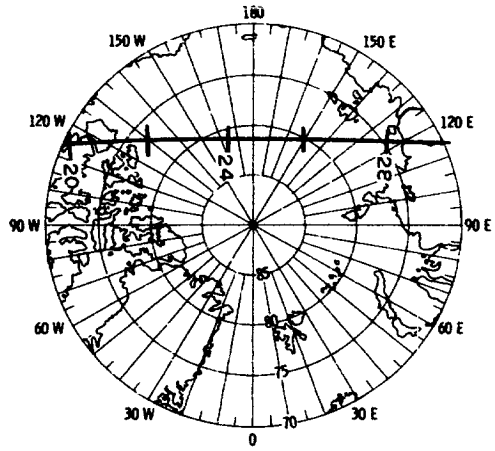
DATA ORBIT 121



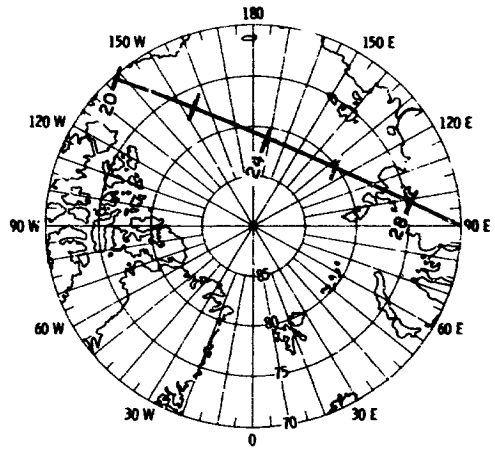
DATA ORBIT 122



DATA ORBIT 123

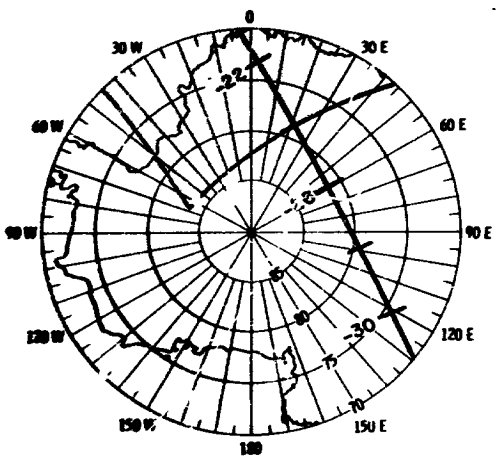


DATA ORBIT 124

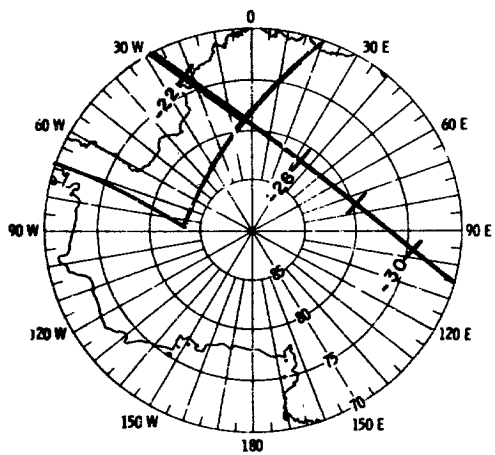


SOUTH POLAR REGIONS

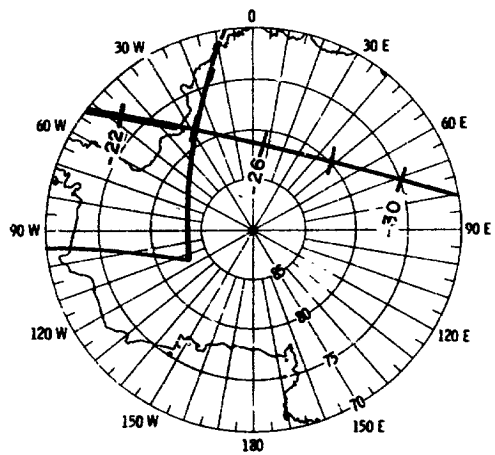
DATA ORBIT 120



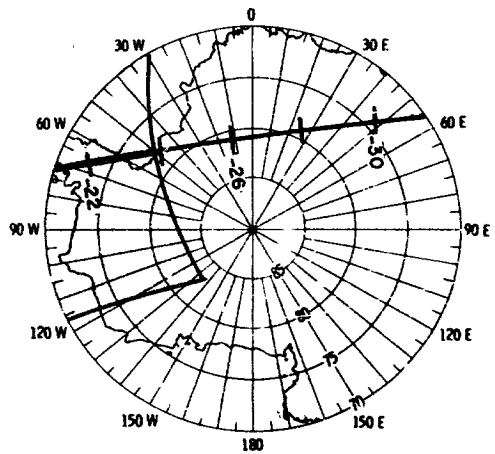
DATA ORBIT 121



DATA ORBIT 122



DATA ORBIT 123

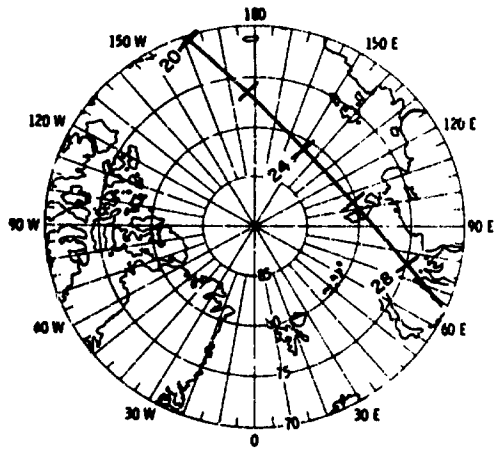


POLAR COVERAGE MAPS

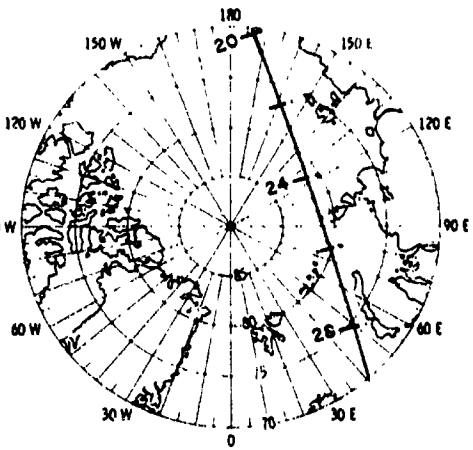
5 SEPTEMBER 1964

NORTH POLAR REGIONS

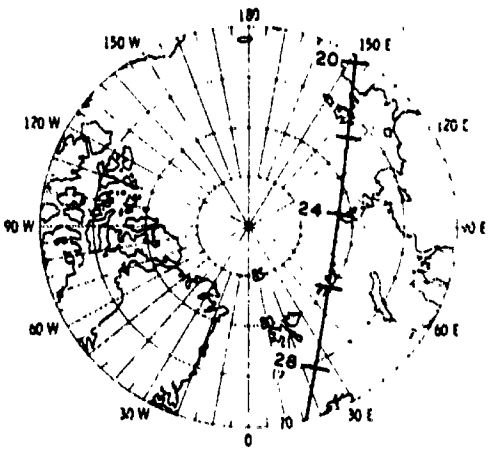
DATA ORBIT 125



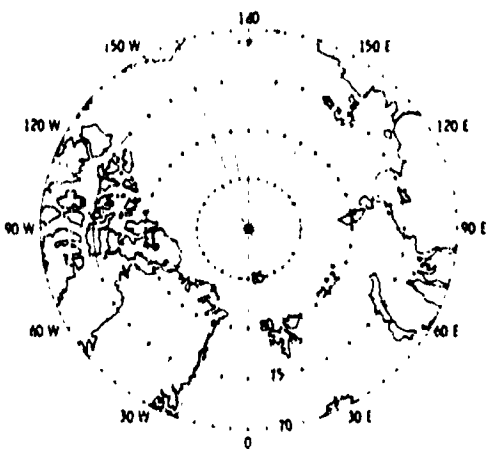
DATA ORBIT 126



DATA ORBIT 127

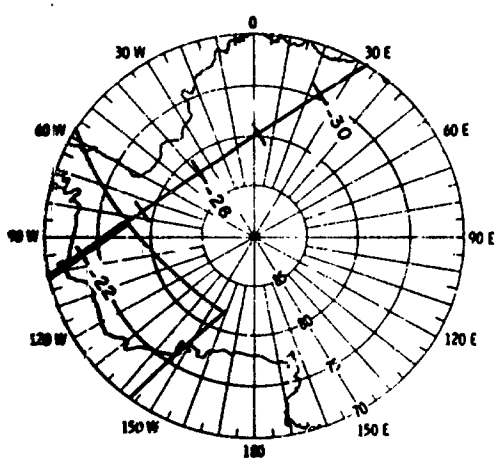


DATA ORBIT

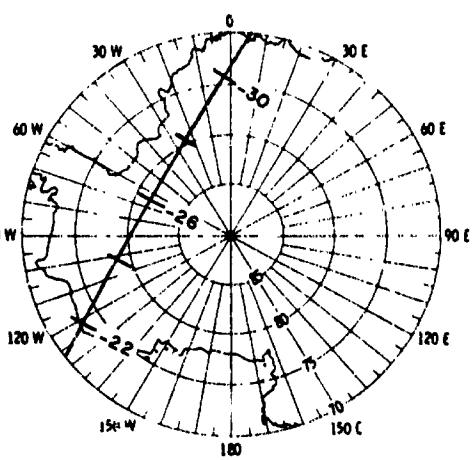


SOUTH POLAR REGIONS

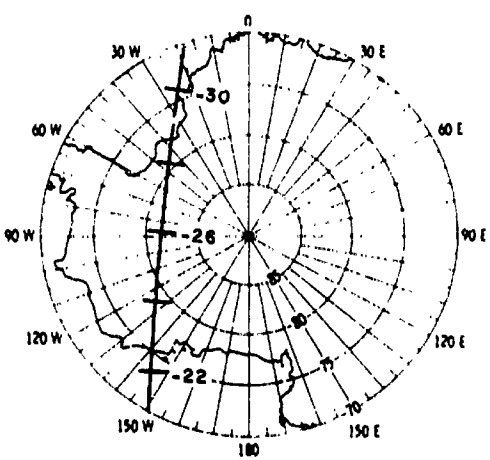
DATA ORBIT 124



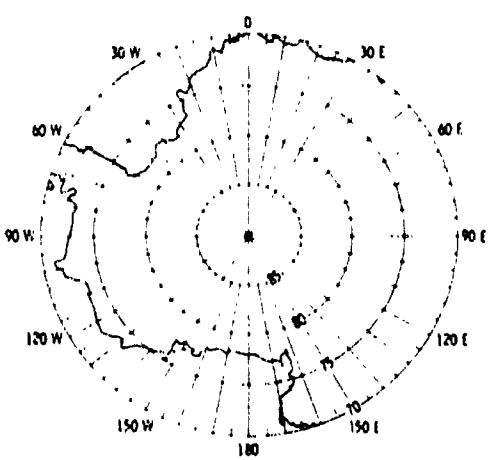
DATA ORBIT 125



DATA ORBIT 126



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 6

DATA ORBIT 118/119
DATE 5 September 1964
ASC. NODE 10 33 54 UT
15 66 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-119-60369	1	10 57 50	+23.9	519	8	1		
	1					2	Greenland & Ellesmere I.	MOSTLY CLEAR Some Thin Clouds
	1					3		
2-119-60369	2	10 56 19	+22.4	539	4	1		
	2					2	GREENLAND	
	2					3		
3-119-60369	3	10 54 48	+20.9	559	20	1		
	3					2		
	3					3		
4-119-60369	4	10 53 17	+19.4	580	26	1		
	4					2		FRONTAL BANDS Vortex Vicinity 58 N Eddies
	4					3		
5-119-60369	5	10 51 46	+17.9	602	31	1		
	5					2		
	5					3	Norway, Snow Covered Mts.	
6-119-60369	6	10 50 15	+16.4	625	37	1		
	6					2		
	6					3	Norway, Snow Covered Mts.	
7-119-60369	7	10 48 44	+14.8	648	43	1		
	7					2	England, The Wash	
	7					3		
8-119-60369	8	10 47 13	+13.3	671	48	1	Bay of Biscay	
	8					2		
	8					3		
9-119-60369	9	10 45 42	+11.8	694	53	1	Spain, Ebro River	
	9					2	Spain	
	9					3	Italy	
10-119-60369	10	10 44 11	+10.3	717	59	1	Algeria - Morocco Cst.	
	10					2	Algeria Cst.	MOSTLY CLEAR Some Cu
	10					3	Tunisia & Sicily	
11-119-60369	11	10 42 40	+ 8.8	741	64	1		
	11					2	AFRICA	
	11					3	Sahara	
12-119-60369	12	10 41 09	+ 7.3	763	70	1	Congo, Zambezi, Cuito & Cuando Rivers	
	12					2	Lakes Kariba & Ngami	
	12					3	Okavango Swamps	
13-119-60369	13	10 39 38	+ 5.7	785	75	1	Etosha Pan	
	13					2		
	13					3		
14-119-60369	14	10 38 07	+ 4.2	806	79	1		
	14					2		CUFM Cb Cifm Fog/St at Mouth of Congo River Streets Fibrous
	14					3		
15-119-60369	15	10 36 36	+ 2.7	827	83	1		
	15					2		
	15					3		
16-119-60369	16	10 35 05	+ 1.2	847	83	1		
	16					2		
	16					3		
17-119-60369	17	10 33 34	- 0.3	865	80	1		
	17					2		
	17					3		
18-119-60369	18	10 32 03	- 1.9	882	76	1		
	18					2		
	18					3		
19-119-60369	19	10 30 32	- 3.4	898	71	1		
	19					2		MOSTLY CLEAR Some Small Cu St along Cst.
	19					3		
20-119-60369	20	10 29 01	- 4.9	911	66	1		
	20					2		
	20					3		
21-119-60369	21	10 27 30	- 6.4	923	61	1		
	21					2		
	21					3		
22-119-60369	22	10 25 59	- 7.9	934	56	1		
	22					2		
	22					3		
23-119-60369	23	10 24 28	- 9.4	942	51	1		
	23					2		
	23					3		
24-119-60369	24	10 22 57	-11.0	948	46	1		
	24					2		FRONTAL BANDS Vortex Vicinity 52 S
	24					3		
25-119-60369	25	10 21 26	-12.5	952	41	1		
	25					2		
	25					3		
26-119-60369	26	10 19 55	-14.0	953	36	1		
	26					2		
	26					3		
27-119-60369	27	10 18 24	-15.5	953	31	1		
	27					2		
	27					3		
28-119-60369	28	10 16 53	-17.0	949	26	1		
	28					2		
	28					3		
29-119-60369	29	10 15 22	-18.5	944	20	1		
	29					2		
	29					3		
30-119-60369	30	10 13 51	-20.1	937	15	1		
	30					2	ANTARCTICA	APPARENT CLOUDS
	30					3		
31-119-60369	31	10 12 20	-21.6	927	10	1		
	31					2		
	31					3		
32-119-60369	32	10 10 49	-23.1	914	5	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 1

DATA ORBIT 119/120
DATE 5 September 1964
ASC. NODE 12 12 21 UT
8.95 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-120-60374	1	12 36 13	+23.9	520	9	1	Arctic Ice	
	1					2	Ellesmere I.	MOSTLY CLEAR
	1					3	Ellesmere I.	
2-120-60374	2	12 34 42	+22.4	539	14	1		
	2					2	GREENLAND	
	2					3	Ice Cap	
3-120-60374	3	12 33 11	+20.8	559	20	1	Fiords	
	3					2		
	3					3		
4-120-60374	4	12 31 40	+19.3	580	26	1		
	4					2		
	4					3		
5-120-60374	5	12 30 09	+17.7	602	31	1		
	5					2		FRONTAL BANDS
	5					3		Vortices Vicinity 61 N & 63 N
6-120-60374	6	12 28 38	+16.3	624	37	1		
	6					2		
	6					3		
7-120-60374	7	12 27 07	+14.8	647	43	1		
	7					2		
	7					3		
8-120-60374	8	12 25 36	+13.3	671	48	1		
	8					2		
	8					3		
9-120-60374	9	12 24 05	+11.7	694	54	1		
	9					2		
	9					3	Spain & Portugal Cst.	
10-120-60374	10	12 22 34	+10.2	716	59	1		
	10					2		CUFM
	10					3	Portugal Cst.	Some Cb
11-120-60374	11	12 21 03	+ 8.7	741	64	1		
	11					2	AFRICA	
	11					3	Canary Is.	
12-120-60374	12	12 19 32	+ 7.2	763	70	1	Sahara	
	12					2		
	12					3		
13-120-60374	13	12 18 01	+ 5.7	785	75	1		
	13					2		VORTEX
	13					3		Apparent Tropical Depression Vicinity 15 N
14-120-60374	14	12 16 30	+ 4.2	807	79	1		
	14					2		
	14					3		
15-120-60374	15	12 14 59	+ 2.6	827	83	1		
	15					2		
	15					3		
16-120-60374	16	12 13 28	+ 1.1	847	83	1		
	16					2		CUFM
	15					3		Some Cifm
17-120-60374	17	12 11 57	- 0.4	865	80	1		Fibrous
	17					2		Streaks
	17					3		
18-120-60374	18	12 10 26	- 1.9	882	76	1		
	18					2		CUFM
	18					3		Large Cellular Field
19-120-60374	19	12 08 55	- 3.4	898	71	1		Bands
	19					2		Fibrous
	19					3		Eddies
20-120-60374	20	12 07 24	- 5.0	911	66	1		
	20					2		
	20					3		
21-120-60374	21	12 05 53	- 6.5	923	61	1		
	21					2		
	21					3		
22-120-60374	22	12 04 22	- 8.0	934	56	1		
	22					2		
	22					3		
23-120-60374	23	12 02 51	- 9.5	942	51	1		
	23					2		
	23					3		
24-120-60374	24	12 01 20	-11.0	948	45	1		
	24					2		
	24					3		
25-120-60374	25	11 59 49	-12.5	952	41	1		
	25					2		
	25					3		
26-120-60374	26	11 58 18	-14.1	953	36	1		
	26					2		
	26					3		
27-123-02821	27	11 56 47	-15.6	953	31	1		
	27					2		
	27					3		
28-123-02821	29	11 55 16	-17.1	950	26	1		
	28					2		MOSTLY COVERED
	28					3		
29-123-02821	29	11 53 45	-18.6	944	21	1		
	29					2		
	29					3		
30-123-02821	30	11 52 14	-20.1	937	15	1		
	30					2	ANTARCTICA	
	30					3		
31-123-02821	31	11 50 43	-21.6	927	10	1		
	31					2		APPARENT CLOUDS
	31					3		
32-123-02821	32	11 49 12	-23.2	911	5	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 8

DATA ORBIT 120/121
DATE 5 September 1964
ASC. NODE 13 50 17 UT
33.55 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN. FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-122-02816	1	14 14 43	+23.9	518	3	1	QUEEN ELIZABETH IS Arctic Ice	MOSTLY CLEAR Some Bands
	1					2		
	1					3		
2-122-02816	2	14 13 12	+22.4	537	14	1		
	2					2		
	2					3		
3-122-02816	3	14 11 41	+20.9	557	20	1	GREENLAND & BAFFIN I. Ice Cap Fiords Ungava Bay	
	3					2		
	3					3		
4-122-02816	4	14 10 10	+19.4	578	26	1		
	4					2		
	4					3		
5-122-02816	5	14 08 39	+17.9	600	31	1		
	5					2		
	5					3		
6-122-02816	6	14 07 08	+16.4	621	37	1		HURRICANE CLEO
	6					2		
	6					3		
7-122-02816	7	14 05 37	+14.8	669	48	1		
	7					2		
	7					3		
8-122-02816	8	14 04 06	+13.3	692	53	1		
	8					2		
	8					3		
9-122-02816	9	13 59 32	+ 8.8	739	64	1		CUFM Cb
	9					2		
	9					3		
10-122-02816	10	13 58 02	+ 7.3	761	69	1		TROPICAL STORM ETHEL
	10					2		
	10					3		
11-122-02816	11	13 56 31	+ 5.7	784	74	1		
	11					2		
	11					3		
12-122-02816	12	13 55 00	+ 4.2	805	79	1		CUFM Cb Fibrous
	12					2		
	12					3		
13-122-02816	13	13 53 29	+ 2.7	826	83	1		
	13					2		
	13					3		
14-122-02816	14	13 51 58	+ 1.2	845	83	1		CUFM Numerous Small Cu over Land Fibrous
	14					2		
	14					3		
15-122-02816	15	13 50 27	- 0.3	863	80	1	SOUTH AMERICA	
	15					2		
	15					3		
16-122-02816	16	13 48 56	- 1.9	881	76	1		
	16					2		
	16					3		
17-122-02816	17	13 47 25	- 3.4	896	71	1		
	17					2		
	17					3		
18-122-02816	18	13 45 54	- 4.9	910	66	1		
	18					2		
	18					3		
19-122-02816	19	13 44 23	- 6.4	923	61	1		FRONTAL AAMDS Vortex Vicinity 46 S
	19					2		
	19					3		
20-122-02816	20	13 42 52	- 7.9	933	56	1		
	20					2		
	20					3		
21-122-02816	21	13 41 21	- 9.4	941	51	1		
	21					2		
	21					3		
22-122-02816	22	13 39 50	-11.0	947	46	1		
	22					2		
	22					3		
23-122-02816	23	13 38 19	-12.5	951	41	1		
	23					2		
	23					3		
24-122-02816	24	13 36 48	-14.0	953	36	1		
	24					2		
	24					3		
25-123-02821	25	13 35 17	-15.5	953	31	1		
	25					2		
	25					3		
26-123-02821	26	13 33 46	-17.0	950	26	1		
	26					2		
	26					3		
27-123-02821	27	13 32 15	-18.5	946	20	1		
	27					2		
	27					3		
28-123-02821	28	13 30 44	-20.1	938	15	1	ANTARCTICA	THIN CLOUDS
	28					2		
	28					3		
29-123-02821	29	13 29 13	-21.6	928	10	1		
	29					2		
	29					3		
30-123-02821	30	13 27 42	-23.1	916	5	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 9

DATA ORBIT 121/122
DATE 5 September 1964
ASC. NODE 15 29 13 UT
58.16 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-123-02821	1	15 53 08	+23.9	518	8	1		
	1					2	ARCTIC ICE	THIN CLOUDS
	1					3		
2-123-02821	2	15 51 37	+22.4	537	14	1	Melville & Prince Patrick Is.	
	2					2	Borden & Mackenzie King Is	
	2					3	Ellesmere & Axel Heiberg Is.	
3-123-02821	3	15 50 06	+20.9	556	20	1		
	3					2		
	3					3	Devon I.	
4-123-02821	4	15 48 35	+19.4	580	26	1		BANDS
	4					2		
	4					3	Baffin I	
5-123-02821	5	15 47 04	+17.9	599	31	1		
	5					2		
	5					3	Baffin I.	
6-123-02821	6	15 45 33	+16.3	622	37	1		
	6					2		
	6					3	Ungava Bay	
7-123-02821	7	15 44 02	+14.8	645	42	1		
	7					2		
	7					3		
8-122-02816	8	15 25 50	- 3.4	896	71	1		
	8					2	SOUTH AMERICA	MOSTLY CLEAR
	8					3		
9-122-02816	9	15 24 19	- 4.9	910	66	1		
	9					2		
	9					3		
10-122-02816	10	15 22 48	- 6.4	922	61	1		
	10					2		BANDS
	10					3		Some Frontal
11-122-02816	11	15 21 17	- 7.9	933	56	1		Eddies
	11					2		Cellular
	11					3		Streaks
12-122-02816	12	15 19 46	- 9.5	941	51	1		Fibrous
	12					2		
	12					3		
13-122-02816	13	15 18 15	-11.0	947	46	1		
	13					2		
	13					3		
14-122-02816	14	15 16 44	-12.5	952	42	1		
	14					2		
	14					3		
15-122-02816	15	15 15 13	-14.0	953	36	1		
	15					2		
	15					3		
16-122-02816	16	15 13 42	-15.5	953	31	1		
	16					2		
	16					3		
17-122-02816	17	15 12 11	-17.0	950	26	1		
	17					2		
	17					3		
18-122-02816	18	15 10 40	-18.6	945	20	1		
	18					2		APPARENT CLOUDS
	18					3		
19-122-02816	19	15 09 09	-20.	938	15	1		
	19					2		
	19					3		
20-122-02816	20	15 07 38	-21.6	928	10	1		
	20					2	ANTARCTICA	
	20					3		
21-122-02816	21	15 06 07	-23.1	916	5	1		
	21					2		
	21					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 10

DATA ORBIT 122/123
DATE 5 September 1964
ASC. NODE 17 07 39 UT
82.76 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-123-02821	1	17 13 18	+ 5.7	782	74	1		
	1					2	Yucatan Pen.	CUFM
	1					3	Cuba	Small Cu over Land
2-123-02821	2	17 11 47	+ 4.1	804	79	1		
	2					2	CENTRAL AMERICA	
	2					3		
3-123-02821	3	17 10 16	+ 2.6	825	83	1		
	3					2		STORM AREA
	3					3		
4-123-02821	4	17 08 45	+ 1.1	845	83	1		
	4					2	SOUTH AMERICA	
	4					3	Andes Mts., Snow Covered	
5-123-02821	5	17 07 14	- 0.4	863	80	1	Salt Flats	
	5					2	Lake Titicaca	CUFM
	5					3	Amazon River	Large Cellular Field
6-123-02821	6	17 05 43	- 1.9	880	76	1		St along Cst.
	6					2		Mostly Clear over Land
	6					3		
7-123-02821	7	17 04 12	- 3.5	896	71	1		
	7					2		
	7					3		
8-123-02821	8	17 02 41	- 5.0	910	66	1		
	8					2		
	8					3		
9-123-02821	9	17 01 10	- 6.5	922	61	1		
	9					2		
	9					3		
10-123-02821	10	16 59 39	- 8.0	933	56	1		
	10					2		
	10					3		
11-123-02821	11	16 58 08	- 9.5	941	51	1		
	11					2		BANDS
	11					3		Eddies
12-123-02821	12	16 56 37	-11.0	947	46	1		Cellular
	12					2		Streaks
	12					3		
13-123-02821	13	16 55 06	-12.6	952	41	1		
	13					2		
	13					3		
14-123-02821	14	16 53 35	-14.1	953	36	1		
	14					2		
	14					3		
15-123-02821	15	16 52 04	-15.6	953	31	1		
	15					2		
	15					3		
16-123-02821	16	16 50 33	-17.1	950	25	1		
	16					2		
	16					3		
17-123-02821	17	16 49 02	-18.6	945	20	1		
	17					2		
	17					3		
18-123-02821	18	16 47 31	-20.1	938	15	1		APPARENT CLOUDS
	18					2	ANTARCTICA	
	18					3		
19-123-02821	19	16 46 00	-21.7	928	10	1		
	19					2		
	19					3		
20-123-02821	20	16 44 29	-23.2	916	5	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 11

DATA ORBIT 123/124
DATE 5 September 1964
ASC. NODE 18 46 05 UT
107.36 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-124-60397	1	19 00 54	+14.8	643	42	1	CANADA, UNITED STATES & MEXICO Coastal & Rocky Mts., Snow Covered Columbia & Snake River Valleys Lakes Pyramid, Mead & Great Salt Rio Grande & Colorado River Baja California	MOSTLY CLEAR Large Cellular Field over Water Fog/St along Cst. Small Cu
	1					2		
	1					3		
2-124-60397	2	18 59 23	+13.3	666	48	1		
	2					2		
	2					3		
3-124-60397	3	18 57 52	+11.8	690	53	1		
	3					2		
	3					3		
4-124-60397	4	18 56 21	+10.3	713	59	1		
	4					2		
	4					3		
5-124-60397	5	18 54 50	+ 8.8	736	64	1		
	5					2		
	5					3		
6-124-60397	6	18 53 19	+ 7.2	759	69	1		
	6					2		
	6					3		
7-124-60397	7	18 51 48	+ 5.7	781	74	1		TROPICAL STORM TILLIE
	7					2		
	7					3		
8-124-60397	8	18 50 17	+ 4.2	803	79	1		
	8					2		
	8					3		
9-124-60397	9	18 48 4	+ 2.7	824	83	1		ITC
	9					2		
	9					3		
10-124-60397	10	18 47 15	+ 1.2	843	83	1		
	10					2		
	10					3		
11-124-60397	11	18 45 44	- 0.4	862	80	1		CUFM Large Cellular Field Fibrous
	11					2		
	11					3		
12-124-60397	12	18 44 13	- 1.9	879	76	1		
	12					2		
	12					3		
13-124-60397	13	18 42 42	- 3.4	895	71	1		
	13					2		
	13					3		
14-124-60397	14	18 41 11	- 4.9	910	66	1		
	14					2		
	14					3		
15-124-60397	15	18 39 40	- 6.4	922	61	1		
	15					2		
	15					3		
16-124-60397	16	18 38 09	- 7.9	932	56	1		BANDS Some Frontal Eddies Cellular Fibrous
	16					2		
	16					3		
17-124-60397	17	18 36 38	- 9.5	941	51	1		
	17					2		
	17					3		
18-124-60397	18	18 35 07	-11.0	947	46	1		
	18					2		
	18					3		
19-124-60397	19	18 33 36	-12.5	951	41	1		
	19					2		
	19					3		
20-124-60397	20	18 32 05	-14.0	954	36	1		
	20					2		
	20					3		
21-124-60397	21	18 30 34	-15.5	953	31	1		
	21					2		
	21					3		
22-124-60397	22	18 29 03	-17.0	951	26	1		
	22					2		
	22					3		
23-124-60397	23	18 27 32	-18.6	946	21	1		
	23					2		
	23					3		
24-124-60397	24	18 26 01	-20.1	938	15	1		
	24					2		
	24					3		
25-124-60397	25	18 24 30	-21.6	929	10	1	ANTARCTICA	APPARENT CLOUDS
	25					2		
	25					3		
26-124-60397	26	18 22 59	-23.1	917	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 5 Track 12

DATA ORBIT 124/125
DATE 5 September 1964
ASC. NODE 20 24 31 UT
131.97 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-125-60387	1	20 37 47	+13 3	666	48	1		CUFM Large Cellular Field Fibrous
	1					2		
	1					3		
2-125-60387	2	20 35 16	+11.8	689	53	1		
	2					2		
	2					3		
3-125-60387	3	20 34 45	+10.2	712	59	1		
	3					2		
	3					3		
4-125-60387	4	20 33 14	+ 8.7	735	64	1		
	4					2		
	4					3		
5-125-60387	5	20 31 43	+ 7.2	758	69	1		
	5					2		
	5					3		
6-125-60387	6	20 30 12	+ 5.7	781	74	1		VORTEX - VICINITY 19 N Apparent Tropical Depression
	6					2		
	6					3		
7-125-60387	7	20 28 41	+ 4.2	802	79	1		
	7					2		
	7					3		
8-125-60387	8	20 27 10	+ 2.7	823	83	1		ITC
	8					2		
	8					3		
9-125-60387	9	20 25 39	+ 1.1	843	83	1		CUFM Fibrous
	9					2		
	9					3		
10-125-60387	10	20 24 08	- 0.4	862	80	1		
	10					2		
	10					3		
11-125-60387	11	20 22 37	- 1.9	879	76	1		
	11					2		
	11					3		
12-125-60387	12	20 21 06	- 3.4	895	71	1		
	12					2		
	12					3		
13-125-60387	13	20 19 35	- 4.9	909	66	1		CUFM Bands Fibrous
	13					2		
	13					3		
14-125-60387	14	20 18 04	- 6.5	921	61	1		
	14					2		
	14					3		
15-125-60387	15	20 16 33	- 8.0	932	56	1		
	15					2		
	15					3		
16-125-60387	16	20 15 02	- 9.5	941	51	1		FRONTAL BANDS
	16					2		
	16					3		
17-125-60387	17	20 13 31	-11.0	947	46	1		
	17					2		
	17					3		
18-125-60387	18	20 12 00	-12.5	952	41	1		
	18					2		
	18					3		
19-125-60387	19	20 10 29	-14.0	953	36	1		
	19					2		
	19					3		
20-125-60387	20	20 08 58	-15.6	953	31	1		
	20					2		
	20					3		
21-125-60387	21	20 07 27	-17.1	951	26	1		
	21					2		
	21					3		
22-125-60387	22	20 05 56	-18.6	946	20	1		
	22					2		
	22					3		
23-125-60387	23	20 04 25	-20.1	938	15	1		
	23					2		
	23					3		
24-125-60387	24	20 02 54	-21.6	929	10	1	ANTARCTICA	
	24					2		
	24					3		
25-125-60387	25	20 01 23	-23.1	917	5	1		THIN CLOUDS
	25					2		
	25					3		

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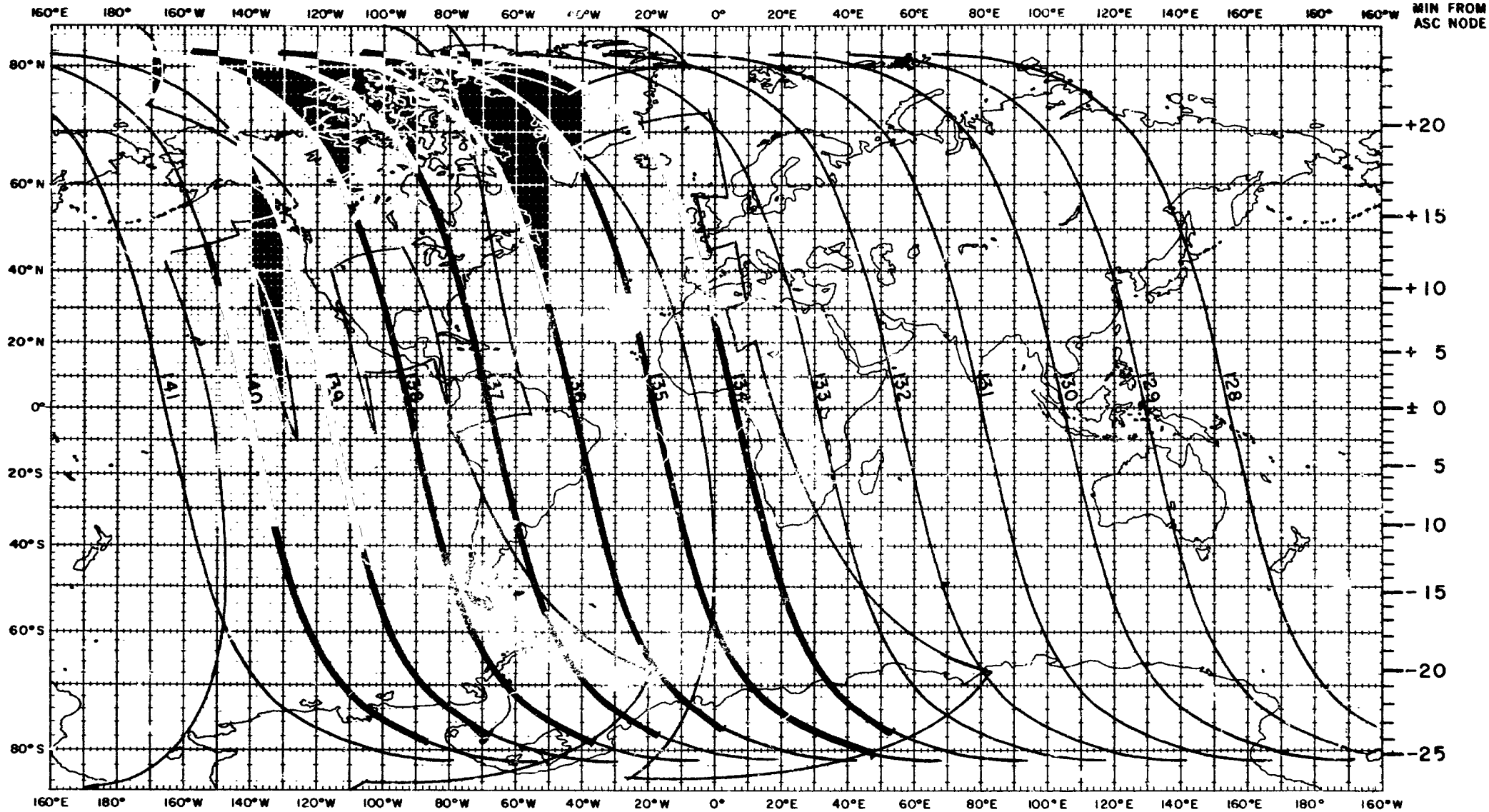
NIMBUS I DOCUMENTATION

6 September 1964

Orbits 127 through 141

AVCS DAILY COVERAGE MAP

6 SEPTEMBER 1964
ORBITS 127 TO 141

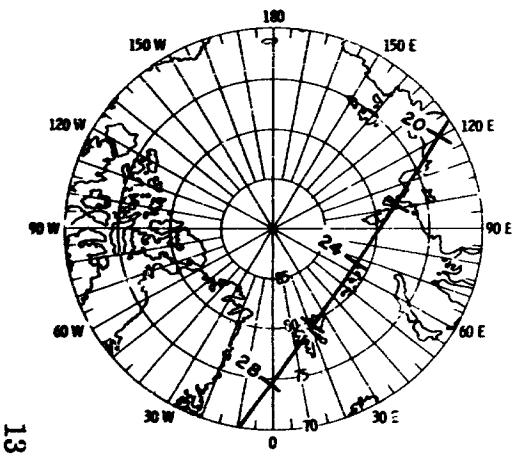


POLAR COVERAGE MAPS

6 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 128



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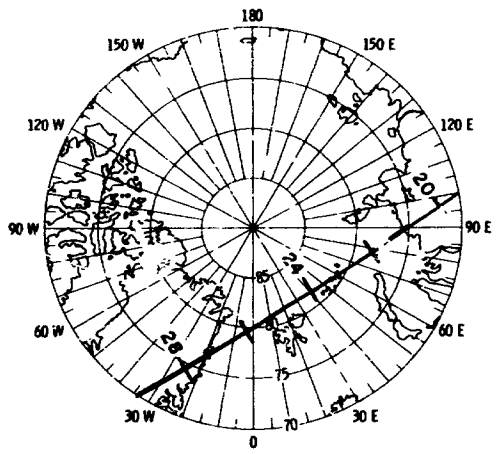

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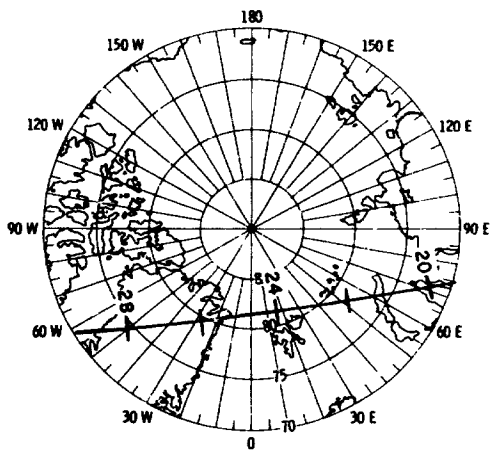
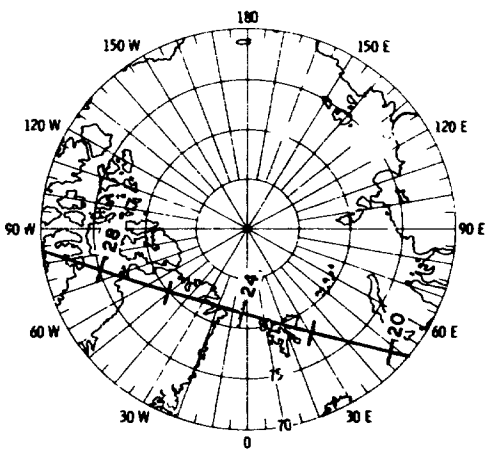
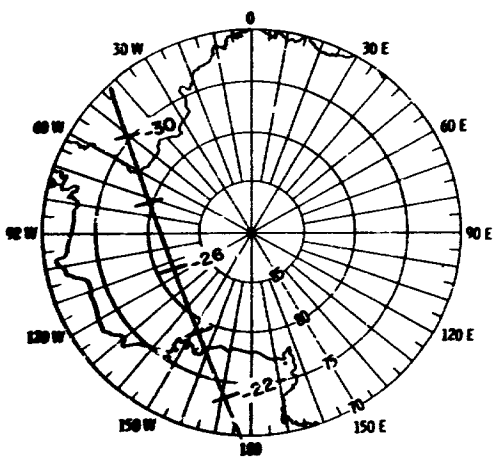


DATA ORBIT 131

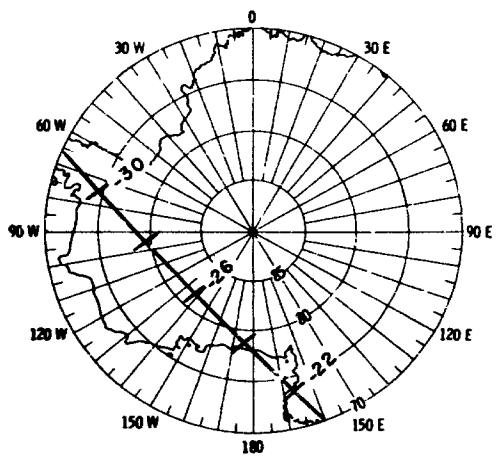


SOUTH POLAR REGIONS

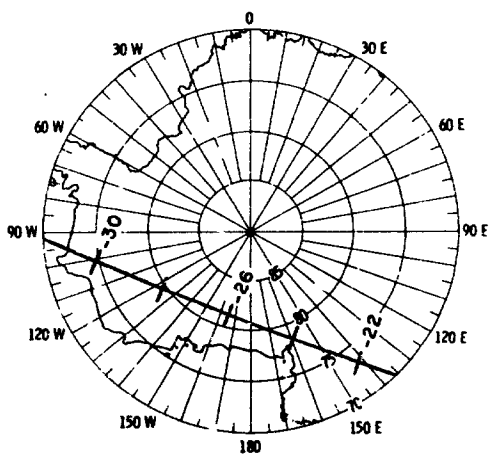
DATA ORBIT 127



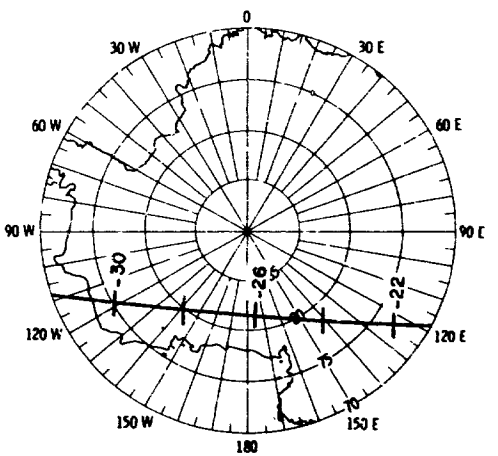
DATA ORBIT 128



DATA ORBIT 129



DATA ORBIT 130

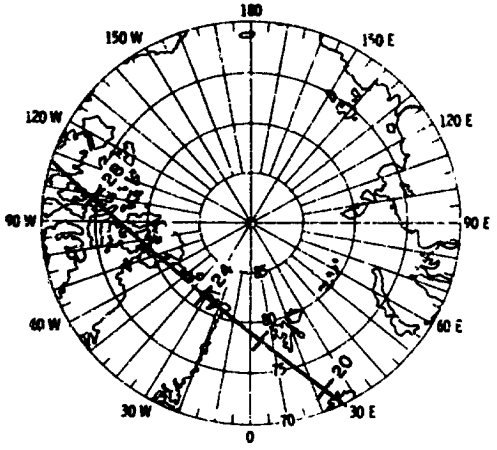


POLAR COVERAGE MAPS

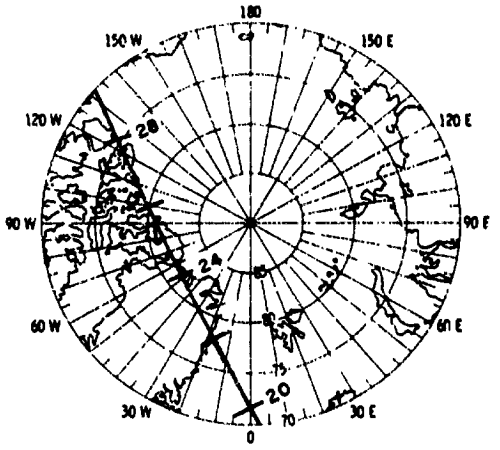
6 SEPTEMBER 1964

NORTH POLAR REGIONS

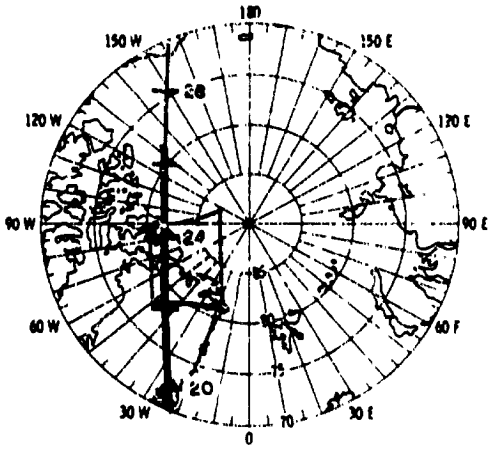
DATA ORBIT 132



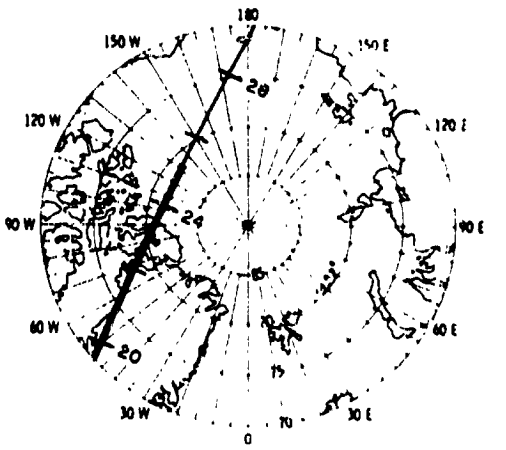
DATA ORBIT 133



DATA ORBIT 134

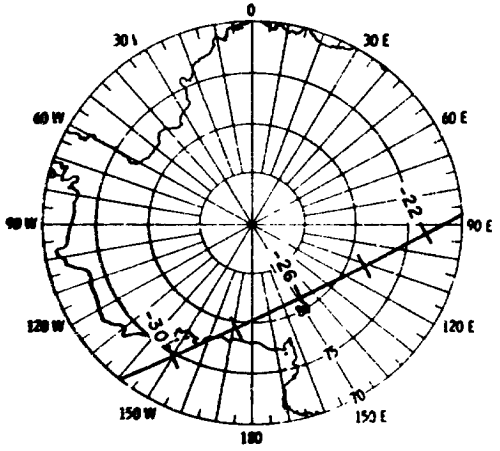


DATA ORBIT 135

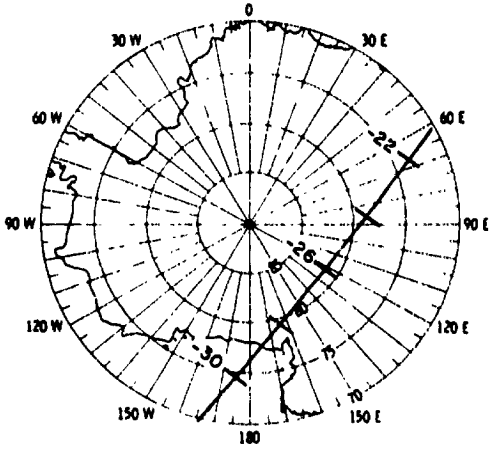


SOUTH POLAR REGIONS

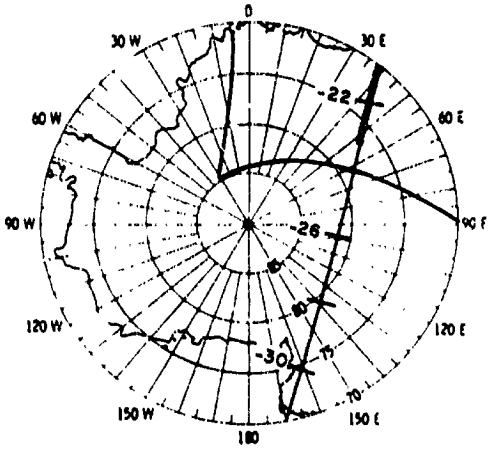
DATA ORBIT 131



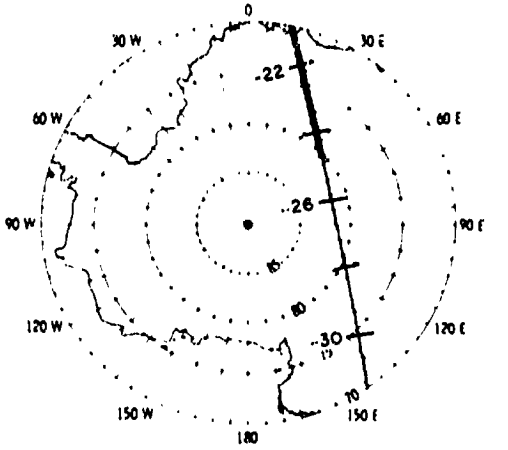
DATA ORBIT 132



DATA ORBIT 133



DATA ORBIT 134

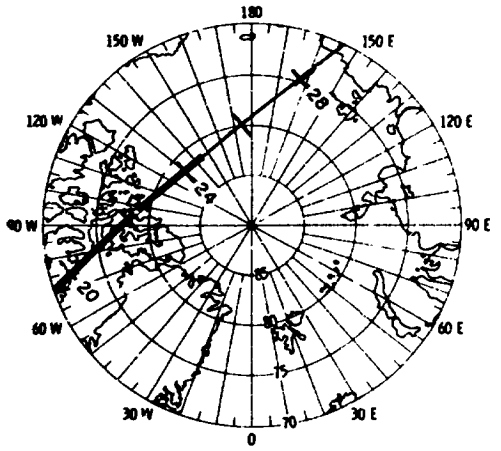


POLAR COVERAGE MAPS

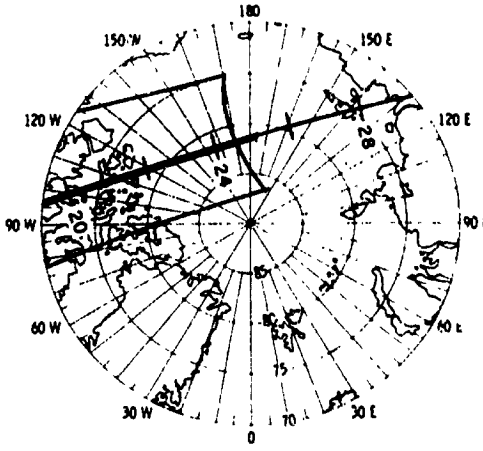
6 SEPTEMBER 1964

NORTH POLAR REGIONS

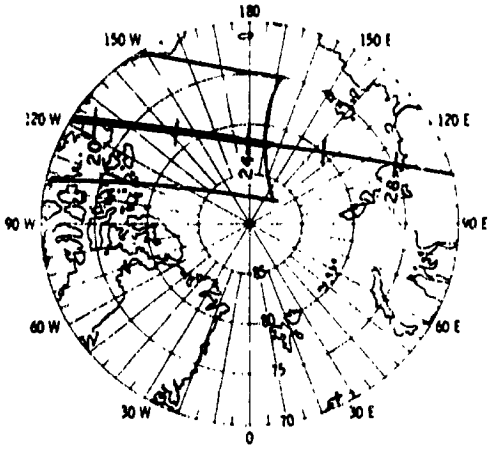
DATA ORBIT 136



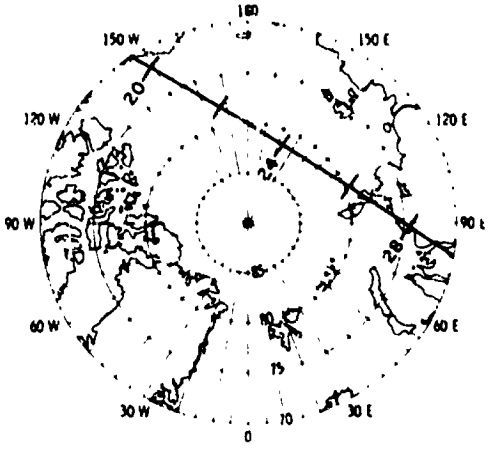
DATA ORBIT 137



DATA ORBIT 138

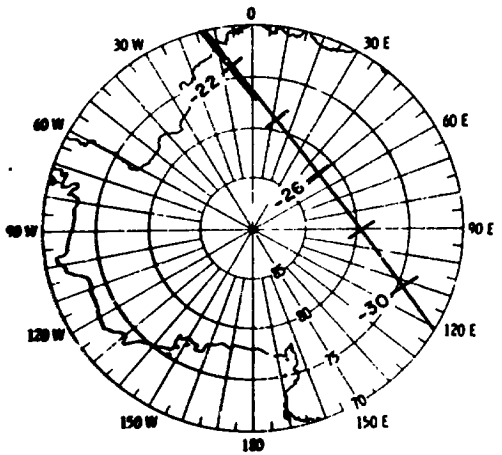


DATA ORBIT 139

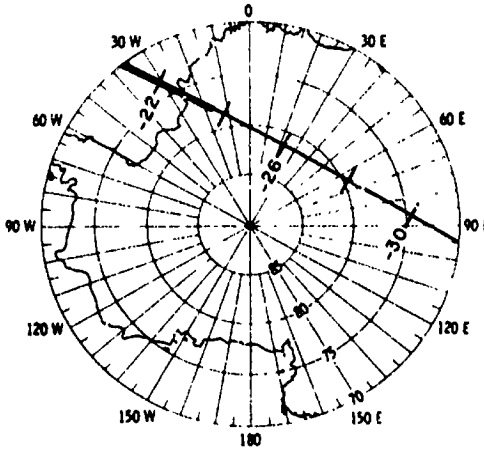


SOUTH POLAR REGIONS

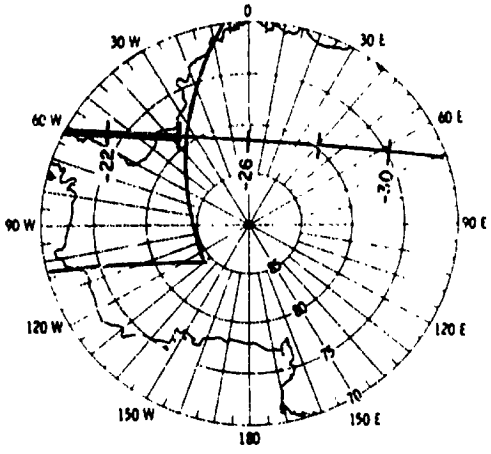
DATA ORBIT 135



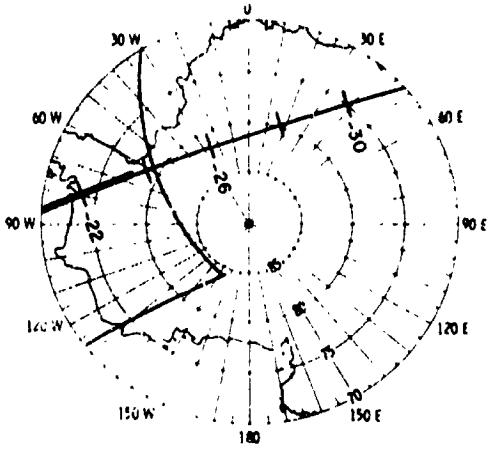
DATA ORBIT 136



DATA ORBIT 137



DATA ORBIT 138

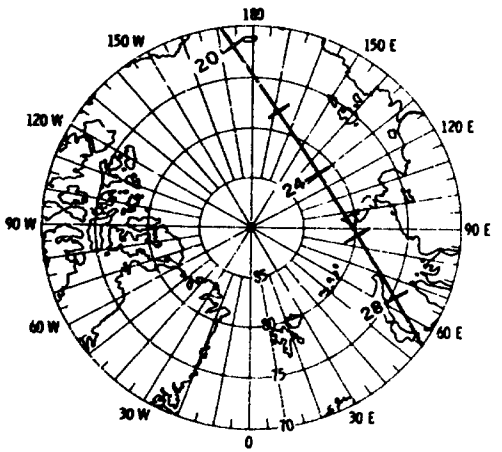


POLAR COVERAGE MAPS

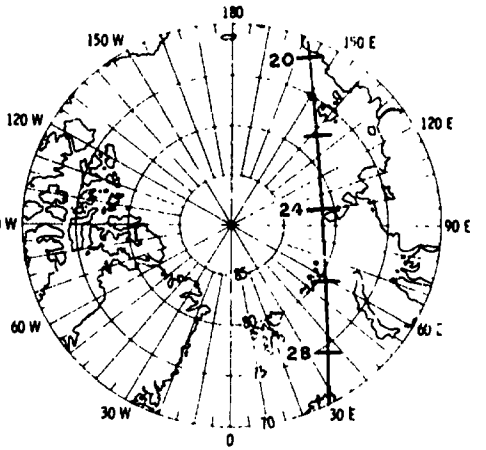
6 SEPTEMBER 1964

NORTH POLAR REGIONS

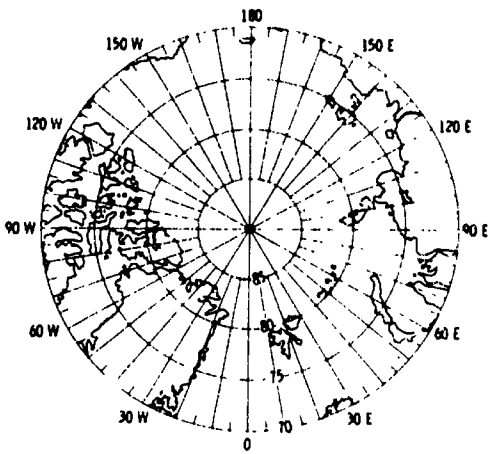
DATA ORBIT
140



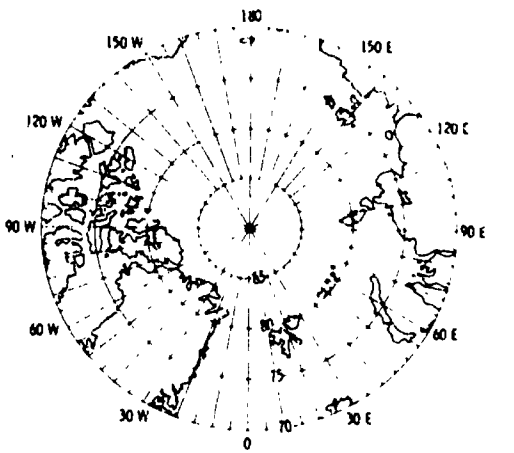
DATA ORBIT
141



DATA ORBIT

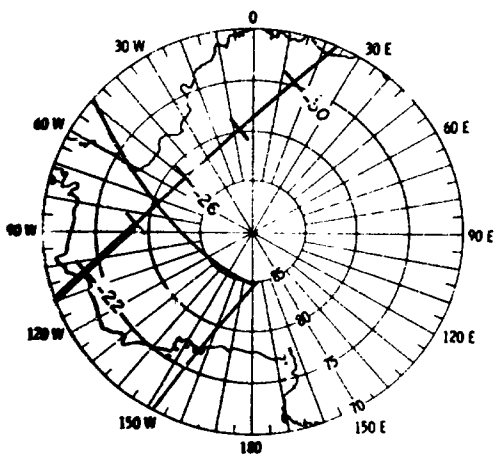


DATA ORBIT

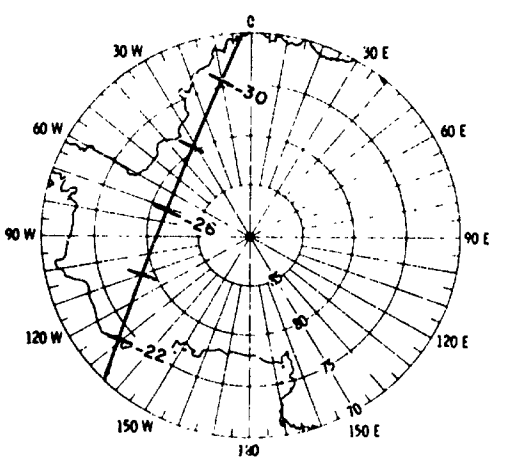


SOUTH POLAR REGIONS

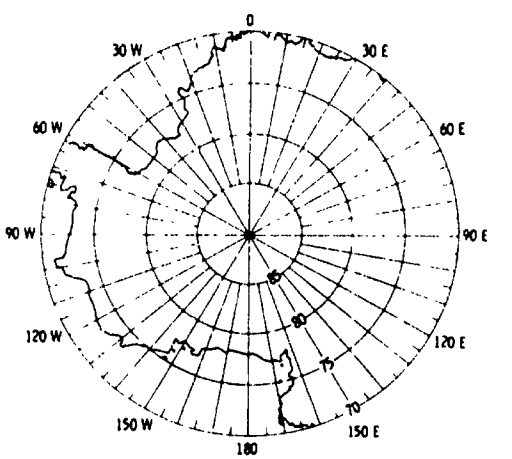
DATA ORBIT
139



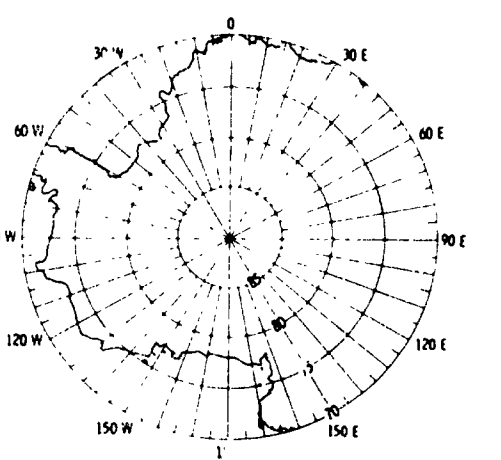
DATA ORBIT
140



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 6 Track 7

DATA ORBIT 133/134
DATE 6 September 1964
ASC. NODE 11 10 20 UT
6 30 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-134-60404	1*	11 34 24	+24.0	509	8	1	GREENLAND Ice Cap Fiords	MOSTLY CLEAR
	1					2		
	1					3		
2-134-60404	2*	11 32 53	+22.5	526	13	1		
	2					2		
	2					3		
3-134-60404	3	11 29 51	+19.4	566	25	1		BANDS Some Frontal Streets Eddies
	3					2		
	3					3		
4-134-60404	4	11 28 20	+17.9	588	30	1		
	4					2	Icela 1	
	4					3		
5-134-60404	5	11 26 43	+16.4	610	36	1		
	5					2		
	5					3		
6-134-60404	6	11 25 18	+14.9	633	42	1		
	6					2		
	6*					3		
7-134-60404	7	11 23 47	+13.4	656	47	1		
	7					2		
	7*					3		
8-134-60404	8	11 22 16	+11.8	679	53	1		
	8					2	SPAIN & PORTUGAL Gibraltar	
	8					3		
9-134-60404	9	11 20 45	+10.3	702	58	1		
	9					2		MOSTLY CLEAR Some Cu
	9					3		
10-134-60404	10	11 19 14	+ 8.8	726	64	1		
	10					2	AFRICA Sahara Etosha Pan Okavango Swamps Cuito, Cuando & Orange Rivers	
	10					3		
11-134-60404	11	11 17 43	+ 7.3	749	69	1		
	11					2		
	11*					3		
12-134-60404	12	11 16 12	+ 5.8	771	74	1		
	12					2		ITC
	12*					3		
13-134-60404	13	11 14 41	+ 4.3	793	79	1		
	13					2		
	13					3		
14-134-60404	14	11 13 10	+ 2.7	815	82	1		
	14					2		
	14					3		
15-134-60404	15	11 11 39	+ 1.2	835	83	1		
	15					2		
	15					3		
16-134-60404	16	11 10 08	- 0.3	854	81	1		CUFM Large Cellular Field St along Cst. Fibrous Mostly Clear over Land
	16					2		
	16					3		
17-134-60404	17	11 08 37	- 1.8	872	76	1		
	17					2		
	17					3		
18-134-60404	18	11 07 06	- 3.3	889	72	1		
	18					2		
	18					3		
19-134-60404	19	11 05 35	- 4.9	904	66	1		
	19					2		
	19					3		
20-134-60404	20	11 04 04	- 6.4	917	62	1		
	20					2		
	20					3		
21-134-60404	21	11 02 33	- 7.9	929	56	1		
	21					2		
	21					3		
22-134-60404	22	11 01 02	- 9.4	938	52	1		
	22					2		
	22					3		
23-134-60404	23	10 59 31	-10.9	945	46	1		FRONTAL BANDS Eddies
	23					2		
	23					3		
24-134-60404	24	10 58 00	-12.4	951	41	1		
	24					2		
	24					3		
25-134-60404	25	10 56 29	-14.0	954	36	1		
	25					2		
	25					3		
26-134-60404	26	10 54 58	-15.5	954	31	1		
	26					2		
	26					3		
27-134-60404	27	10 53 27	-17.0	953	26	1		
	27					2		
	27					3		
28-134-60404	28	10 51 58	-18.5	949	21	1		
	28					2		
	28					3		
29-134-60404	29	10 50 25	-20.0	942	16	1	ANTARCTICA	APPARENT CLOUDS
	29					2		
	29					3		
30-134-60404	30	10 48 54	-21.5	934	10	1		
	30					2		
	30					3		
31-134-60404	31	10 47 23	-23.1	923	5	1		
	31					2		
	31					3		

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AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 6 Track 10

DATA ORBIT 136/137
DATE 6 September 1964
ASC. NODE 16 05 44 UT
67.22 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	C/M	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-138-02937	1	16 29 52	+24 1	505	7	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-138-02937	2	16 28 21	+22 6	523	13	1		
	2					2		
	2					3		
[illegible]-138-02937	3	16 26 50	+21 1	54[illegible]	18	1		
	3					2		
	3					3		
4-138-02937	4	16 25 19	+19 6	562	24	1		BANDS Some Frontal
	4					2		
	4					3		
5-138-02937	5	16 23 48	+18.1	582	30	1		
	5					2		
	5					3		
6-138-02937	6	16 22 17	+16 6	604	35	1		
	6					2		
	6					3		
7-138-02937	7	16 20 46	+15.0	627	41	1	James Bay	
	7					2		
	7					3		
8-138-02937	8	16 19 15	+13.5	650	47	1		CUFM Streets Fibrous
	8					2		
	8					3		
9-138-02937	9	16 17 44	+12.0	673	52	1	UNITED STATES Lakes Erie & Ontario Cape Cod Long I. Delaware & Chesapeake Bays	
	9					2		
	9					3		
10-138-02937	10	16 16 13	+10.5	697	58	1		MOSTLY CLEAR
	10					2		
	10					3		
11-138-02937	11	16 14 42	+ 9.0	721	63	1		HURRICANE DORA
	11					2		
	11					3		
12-138-02937	12	16 13 11	+ 7.5	744	68	1		
	12					2		
	12					3		
13-138-02937	13	16 11 40	+ 5 9	766	73	1	Cuba Haiti & Dominican Republic	SCATTERED CUFM
	13					2		
	13					3		
14-138-02937	14	16 10 09	+ 4.4	788	78	1		
	14					2		
	14					3		
15-138-02937	15	16 08 38	+ 2.9	810	82	1	SOUTH AMERICA Lake Maracaibo Gulf of Venezuela	CUFM Some Cb
	15					2		
	15					3		
16-138-02937	16	16 07 07	+ 1 4	830	84	1		
	16					2		
	16					3		
17-138-02937	17	15 05 36	- 0 1	850	81	1		
	17					2		
	17					3		

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AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 6 Track 11

DATA ORBIT 137/138
DATE 6 September 1964
ASC. NODE 17 44 10 GMT
91 82 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-139-60421	1	18 08 02	+23 9	507	8	1	ARCTIC ICE	THIN CLOUDS
	1					2		
	1					3		
2-139-60421	2	18 06 31	+22.4	525	14	1		
	2					2		
	2					3		
3-139-60421	3	18 05 00	+20 8	544	19	1		
	3					2		
	3					3		
4-139-60421	4	18 03 29	+19 3	564	25	1		
	4					2		
	4					3		
5-139-60421	5	18 01 58	+17 8	586	31	1		FRONTAL BANDS Vortex Vicinity 58 N
	5					2		
	5					3		
6-139-60421	6	18 00 27	+16 3	608	36	1		
	6					2		
	6					3		
7-139-60421	7	17 58 56	+14.8	630	42	1	Rocky Mts., Snow Covered	
	7					2		
	7					3		
8-139-60421	8	17 57 25	+13.3	653	48	1		
	8					2		
	8					3		
9-138-02937	9	17 46 48	+ 2 6	813	83	1		ITC
	9					2		
	9					3		
10-138-02937	10	17 45 17	+ 1.1	833	83	1		
	10					2		
	10					3		
11-138-02937	11	17 43 46	- 0.4	852	81	1		CUFM Large Celiular Field Fibrous
	11					2	Galapagos Is.	
	11					3		
12-138-02937	12	17 42 15	- 1 9	871	76	1		
	12					2		
	12					3		
13-138-02937	13	17 40 44	- 3.4	888	71	1		
	13					2		
	13					3		
14-138-02937	14	17 39 13	- 5.0	903	67	1		
	14					2		
	14					3		
15-138-02937	15	17 37 42	- 6 5	916	61	1		
	15					2		
	15					3		
16-138-02937	16	17 36 11	- 8.0	928	56	1	SOUTH AMERICA Andes Mts., Snow Covered Tierra Del Fuego	
	16					2		
	16					3		
17-138-02937	17	17 34 40	- 9.5	937	51	1		
	17					2		
	17					3		
18-138-02937	18	17 33 09	-11.0	945	46	1		
	18					2		
	18					3		
19-138-02937	19	17 31 38	-12 5	951	41	1		BANDS Some Frontal Eddies
	19					2		
	19					3		
20-138-02937	20	17 30 07	-14.1	954	35	1		
	20					2		
	20					3		
21-138-02937	21	17 28 36	-15.6	955	30	1		
	21					2		
	21					3		
22-138-02937	22	17 27 05	-17.1	953	26	1		
	22					2		
	22					3		
23-138-02937	23	17 25 34	-18.6	949	21	1		
	23					2		
	23					3		
24-138-02937	24	17 24 03	-20.1	943	15	1	ANTARCTICA Palmer Pen. Weddell Sea	
	24					2		
	24					3		
25-138-02937	25	17 22 32	-21 6	935	10	1		APPARENT CLOUDS
	25					2		
	25					3		
26-138-02937	26	17 21 01	-23.2	924	5	1		
	26					2		
	26					3		

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AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 6 Track 12

DATA ORBIT 138/139
DATE 6 September 1964
ASC. NODE 19 22 36 UT
116.42 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-139-60421	1	19 37 18	+14.7	630	42	1	NORTH AMERICA W. Cst.	CUFM Large Cellular Field Fog/St along Cst.
	1					2		
	1					3		
2-139-60421	2	19 35 47	+13.2	653	48	1		
	2					2		
	2					3		
3-139-60421	3	19 34 16	+11.7	677	53	1		
	3					2		
	3					3		
4-139-60421	4	19 32 45	+10.2	701	59	1		
	4					2		
	4					3		
5-139-60421	5	19 31 14	+ 8.6	724	64	1		
	5					2		
	5					3		
6-139-60421	6	19 29 43	+ 7.1	747	70	1		
	6					2		
	6					3		
7-139-60421	7	19 28 12	+ 5.6	770	75	1		VORTEX VICINITY 18 N Apparent Tropical Depression W. Edge of Tropical Storm Ellie Visible
	7					2		
	7					3		
8-139-60421	8	19 26 41	+ 4.1	792	79	1		
	8					2		
	8					3		
9-139-60421	9	19 25 10	+ 2.6	813	83	1		CUFM Cellular Large Cells Bands Fibrous
	9					2		
	9					3		
10-139-60421	10	19 23 39	+ 1.1	833	83	1		
	10					2		
	10					3		
11-139-60421	11	19 22 08	- 0.3	853	81	1		
	11					2		
	11					3		
12-139-60421	12	19 20 37	- 2.0	871	76	1		
	12					2		
	12					3		
13-139-60421	13	19 19 06	- 3.5	888	71	1		
	13					2		
	13					3		
14-139-60421	14	19 17 35	- 5.0	903	66	1		
	14					2		
	14					3		
15-139-60421	15	19 16 04	- 6.5	917	61	1		BANDS Some Frontal Vortex Vicinity 44 S Eddies Cellular Cu Streaks Fibrous
	15					2		
	15					3		
16-139-60421	16	19 14 33	- 8.1	928	56	1		
	16					2		
	16					3		
17-139-60421	17	19 13 02	- 9.6	938	51	1		
	17					2		
	17					3		
18-139-60421	18	19 11 31	-11.1	945	46	1		
	18					2		
	18					3		
19-139-60421	19	19 10 00	-12.6	951	41	1		
	19					2		
	19					3		
20-139-60421	20	19 08 29	-14.1	954	36	1		
	20					2		
	20					3		
21-139-60421	21	19 06 58	-15.6	954	31	1		
	21					2		
	21					3		
22-139-60421	22	19 05 27	-17.2	953	26	1		
	22					2		
	22					3		
23-139-60421	23	19 03 56	-18.7	950	20	1		
	23					2		
	23					3		
24-139-60421	24	19 02 25	-20.2	943	15	1	ANTARCTICA	
	24					2		
	24					3		
25-139-60421	25	19 00 54	-21.7	935	10	1		APPARENT CLOUDS
	25					2		
	25					3		
26-139-60421	26	18 59 23	-23.2	924	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 6 Track 13

DATA ORBIT 139/140
DATE 6 September 1964
ASC. NODE 21 01 02 UT
141.03 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-140-60426	1	21 13 42	+12.7	660	50	1		FRONTAL BAND Vortex Vicinity 44 N
	1					2		
	1					3		
2-140-60426	2	21 12 11	+11.2	683	55	1		
	2					2		
	2					3		
3-140-60426	3	21 10 40	+ 8.6	707	61	1		CUFM Cellular Streaks Fibrous
	3					2		
	3					3		
4-140-60426	4	21 09 09	+ 8.1	730	66	1		
	4					2		
	4					3		
5-140-60426	5	21 07 38	+ 6.6	753	71	1		
	5					2		
	5					3		
6-140-60426	6	21 06 07	+ 5.1	776	76	1		APPARENT TROPICAL DEPRESSION
	6					2		
	6					3		
7-140-60426	7	21 04 36	+ 3.6	798	81	1		
	7					2		
	7					3		
8-140-60426	8	21 03 05	+ 2.0	819	83	1		
	8					2		
	8					3		
9-140-60426	9	21 01 34	+ 0.5	839	83	1		CUFM Fibrous
	9					2		
	9					3		
10-140-60426	10	21 00 03	- 1.0	859	79	1		
	10					2		
	10					3		
11-140-60426	11	20 58 32	- 2.5	876	75	1		
	11					2		
	11					3		
12-140-60426	12	20 57 01	- 4.0	893	70	1		
	12					2		
	12					3		
13-140-60426	13	20 55 30	- 5.6	908	65	1		
	13					2		
	13					3		
14-140-60426	14	20 53 59	- 7.1	920	60	1		FRONTAL BANDS Eddies
	14					2		
	14					3		
15-140-60426	15	20 52 23	- 8.6	930	55	1		
	15					2		
	15					3		
16-140-60426	16	20 50 57	-10.1	940	49	1		
	16					2		
	16					3		
17-140-60426	17	20 49 26	-11.6	947	44	1		
	17					2		
	17					3		
18-140-60426	18	20 47 55	-13.1	952	39	1		
	18					2		
	18					3		
19-140-60426	19	20 46 21	-14.7	954	34	1		
	19					2		
	19					3		
20-140-60426	20	20 44 53	-16.2	955	28	1		
	20					2		
	20					3		
21-140-60426	21	20 43 22	-17.7	952	23	1		
	21					2		
	21					3		
22-140-60426	22	20 41 51	-19.2	948	18	1		
	22					2		
	22					3		
23-140-60426	23	20 40 20	-20.7	940	13	1		
	23					2	ANTARCTICA	
	23					3		
24-140-60426	24	20 38 49	-22.2	931	8	1		
	24					2		APPARENT THIN CLOUDS
	24					3		
25-140-60426	25	20 37 18	-23.7	920	4	1		
	25					2		
	25					3		

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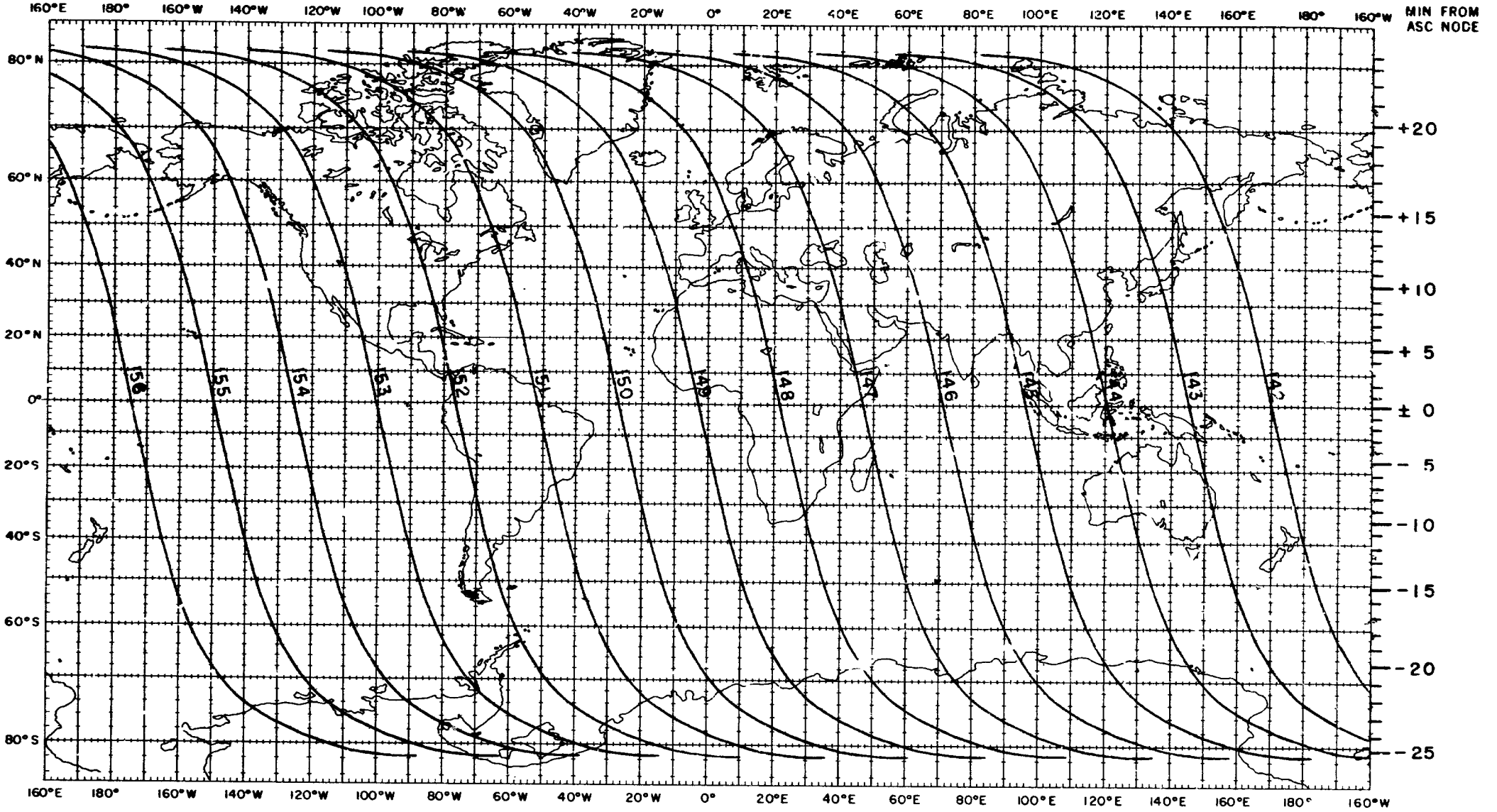
7 September 1964

Orbits 141 through 156

AVCS DAILY COVERAGE MAP

7 SEPTEMBER 1964
ORBITS 141 TO 156

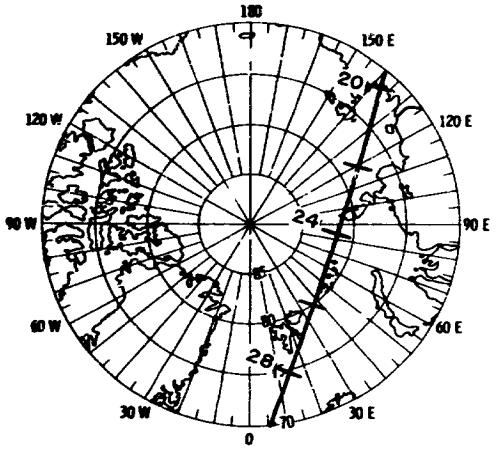


POLAR COVERAGE MAPS

7 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 142



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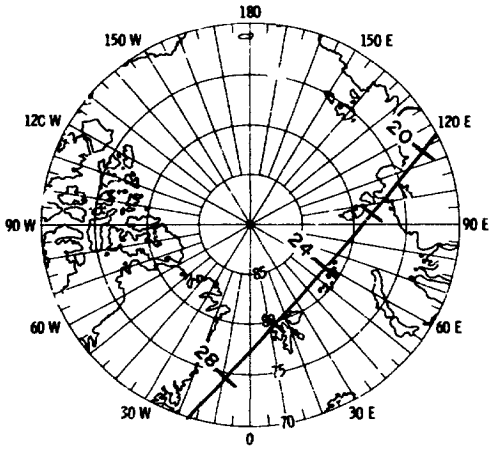

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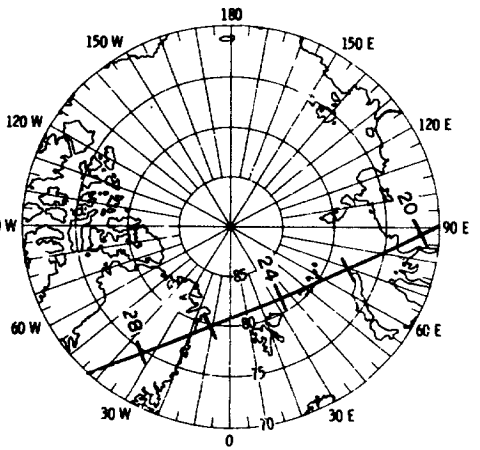

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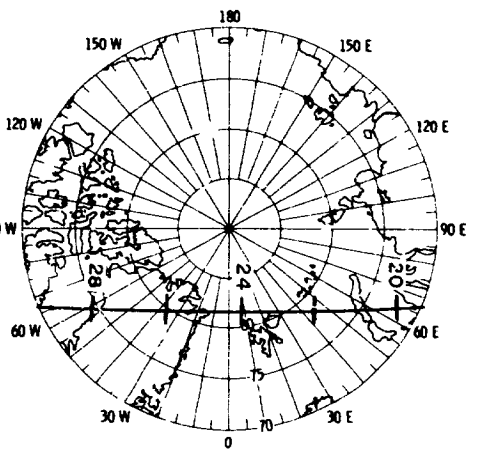
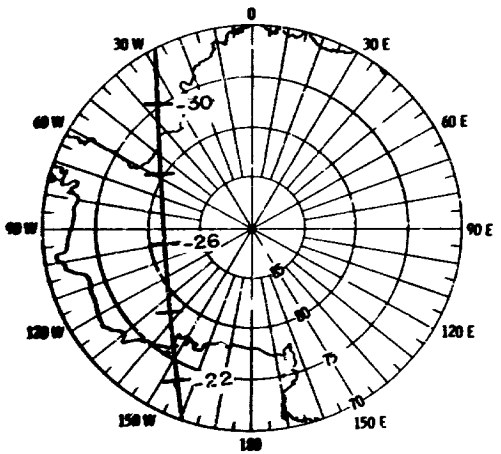


SOUTH POLAR REGIONS

DATA ORBIT 141



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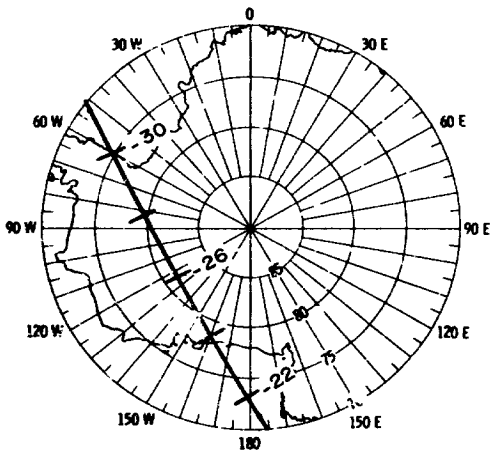

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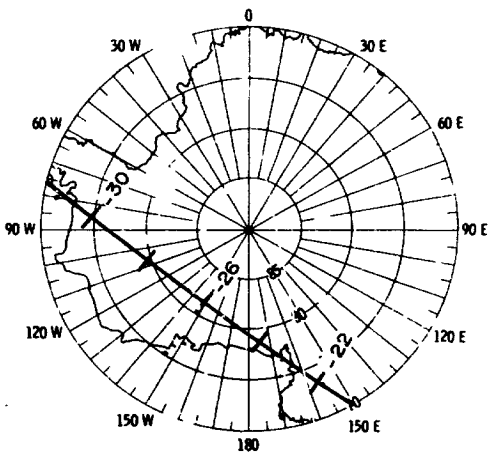

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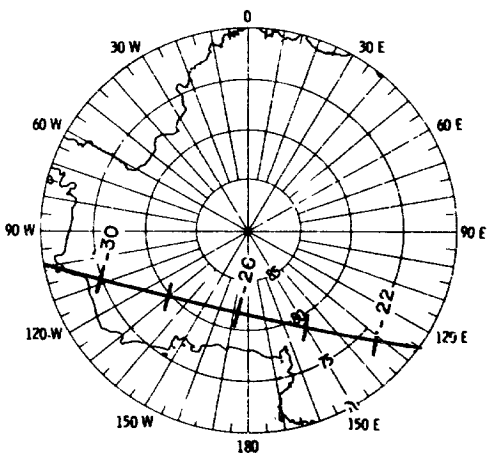

POLAR COVERAGE MAPS

7 SEPTEMBER 1964

NORTH POLAR REGIONS

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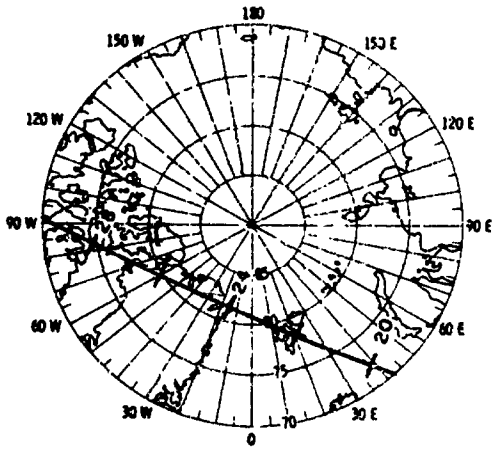

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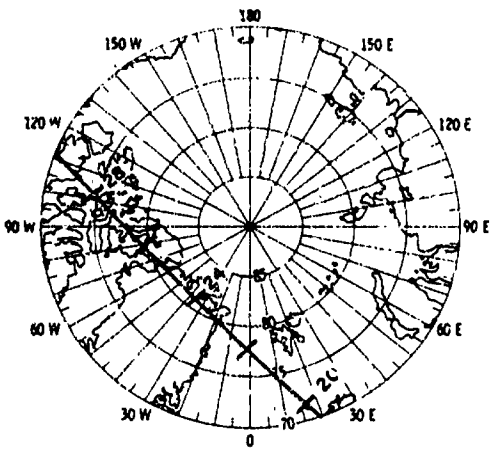

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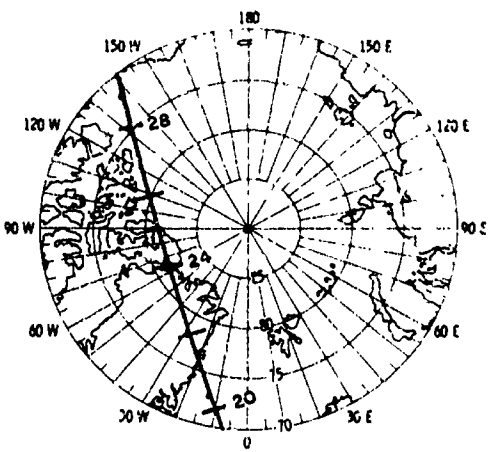

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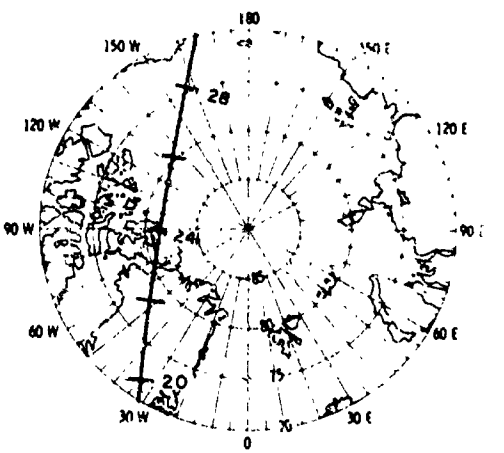

SOUTH POLAR REGIONS

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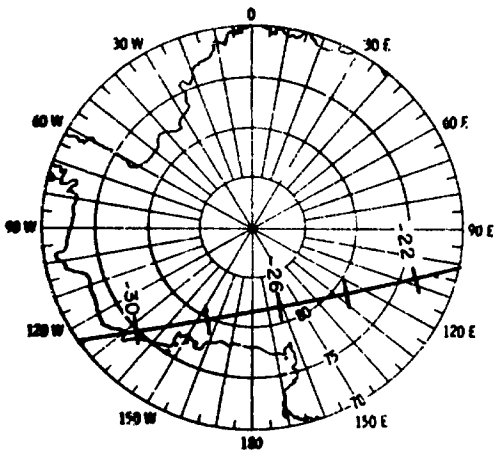

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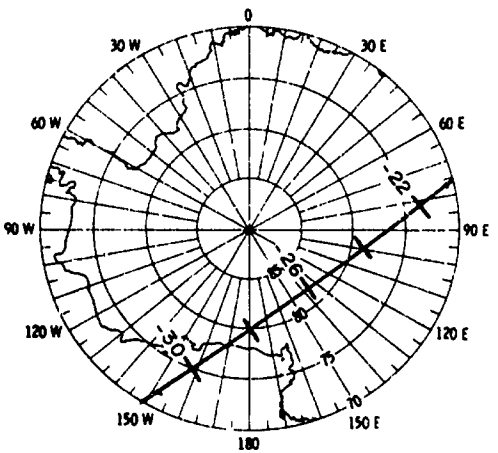

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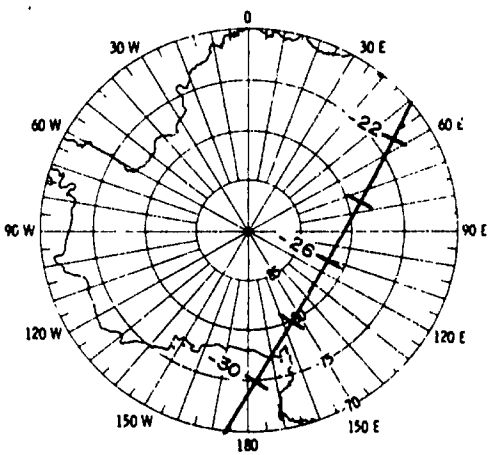

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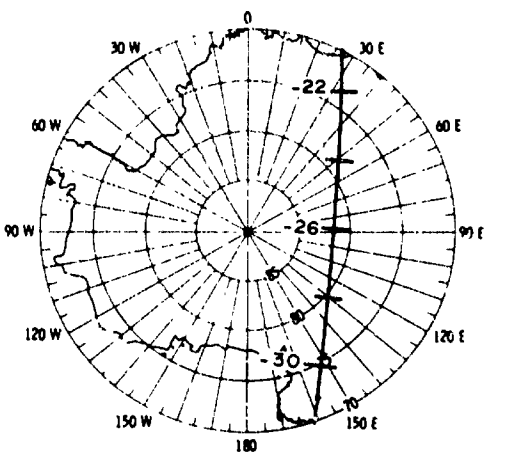
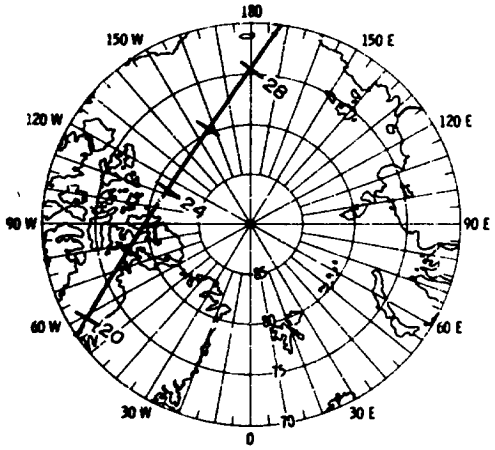


POLAR COVERAGE MAPS

7 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 150



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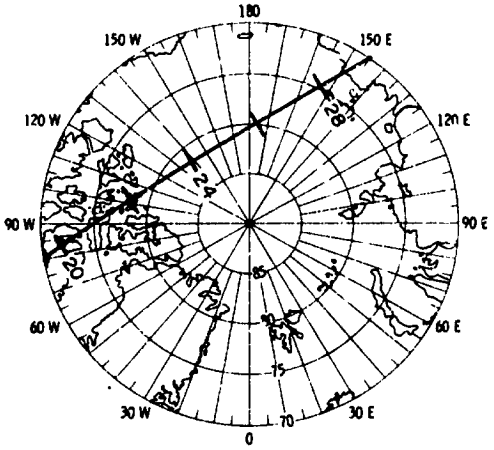

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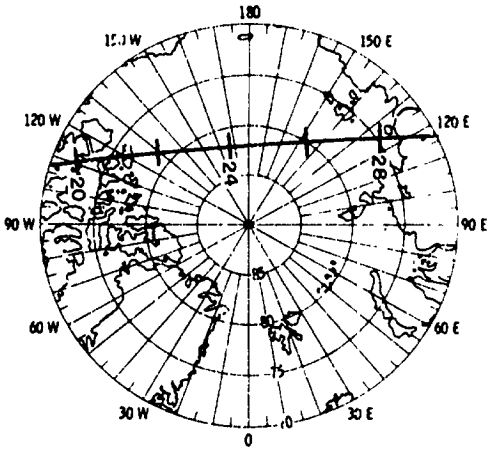

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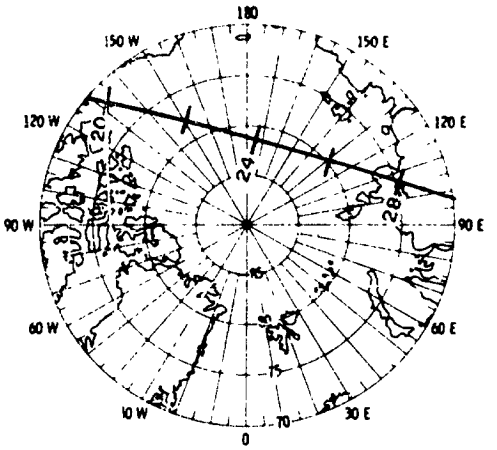
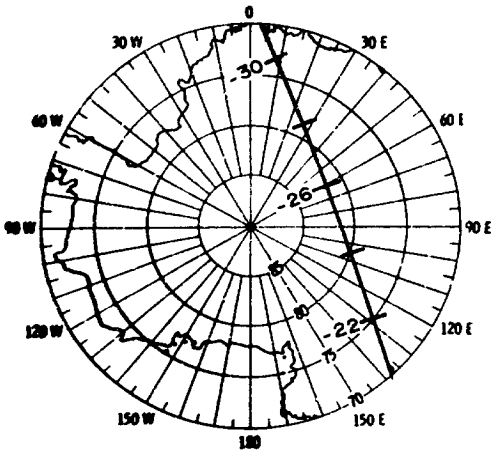


SOUTH POLAR REGIONS

DATA ORBIT 149



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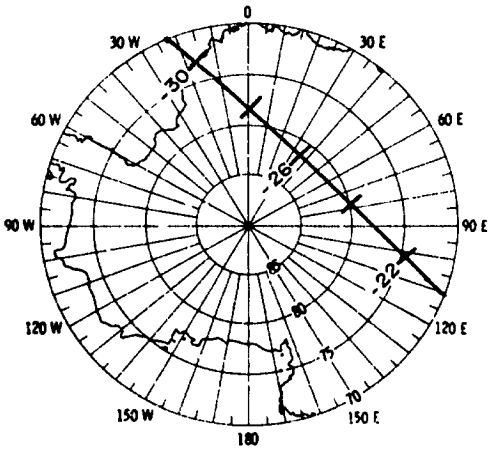

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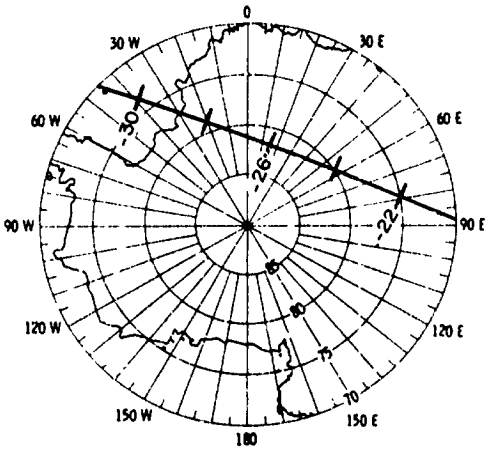

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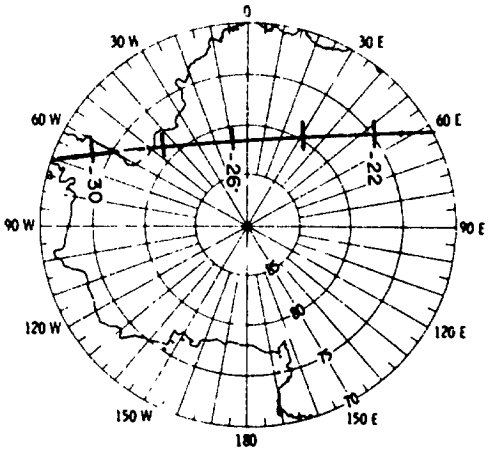
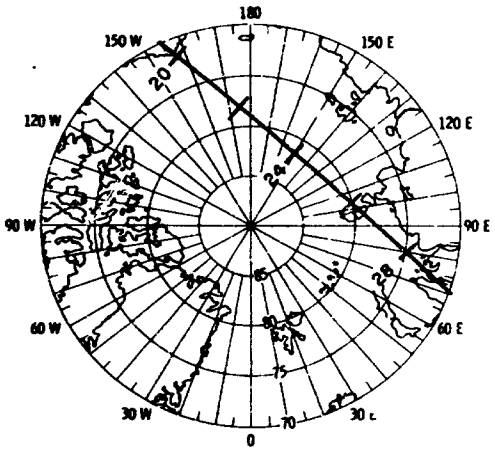


POLAR COVERAGE MAPS

7 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 154



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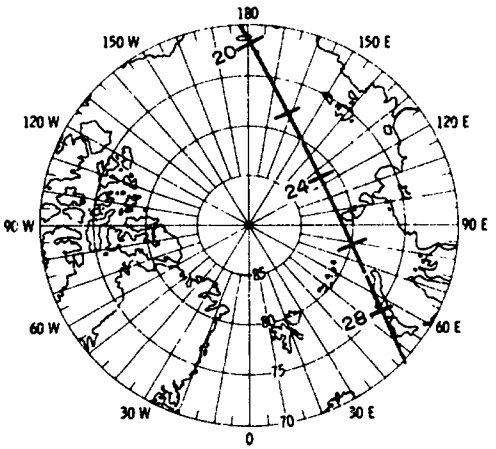

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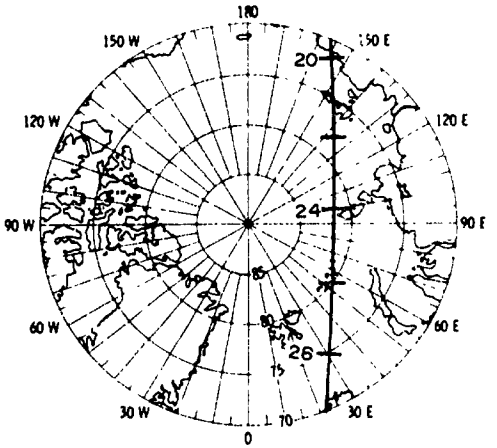

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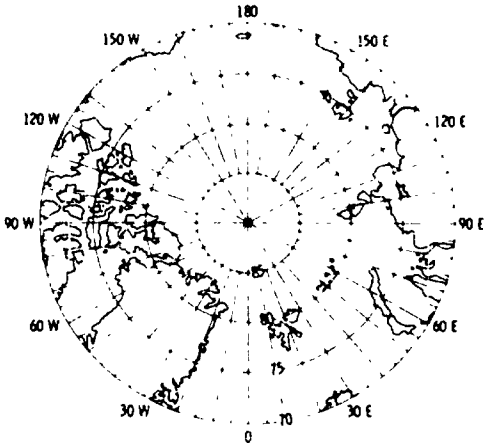
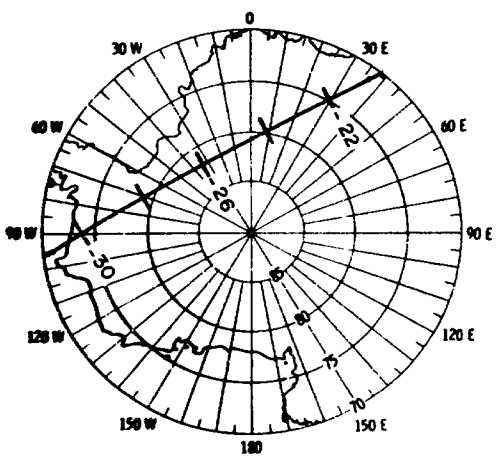


SOUTH POLAR REGIONS

DATA ORBIT 153



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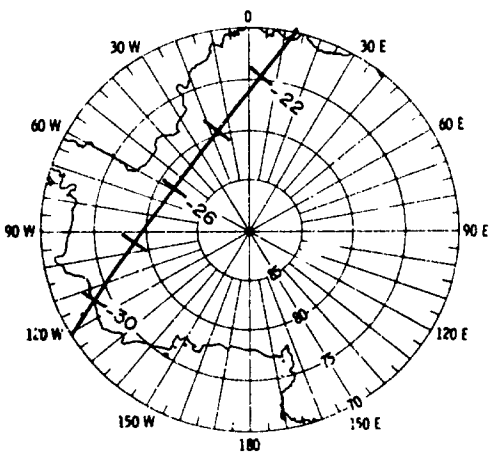

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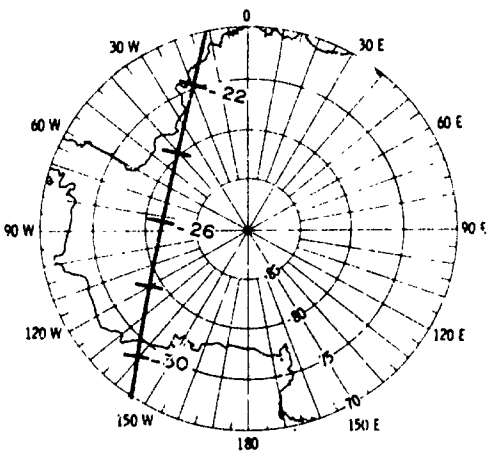

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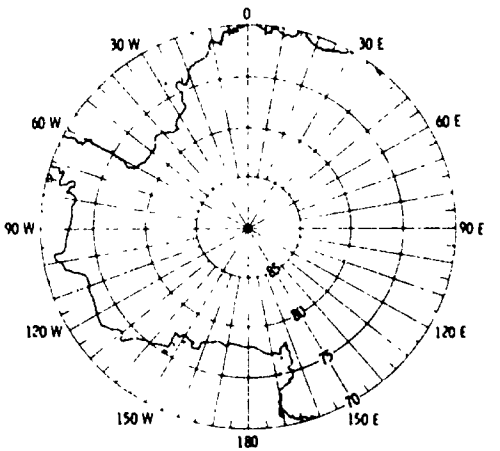


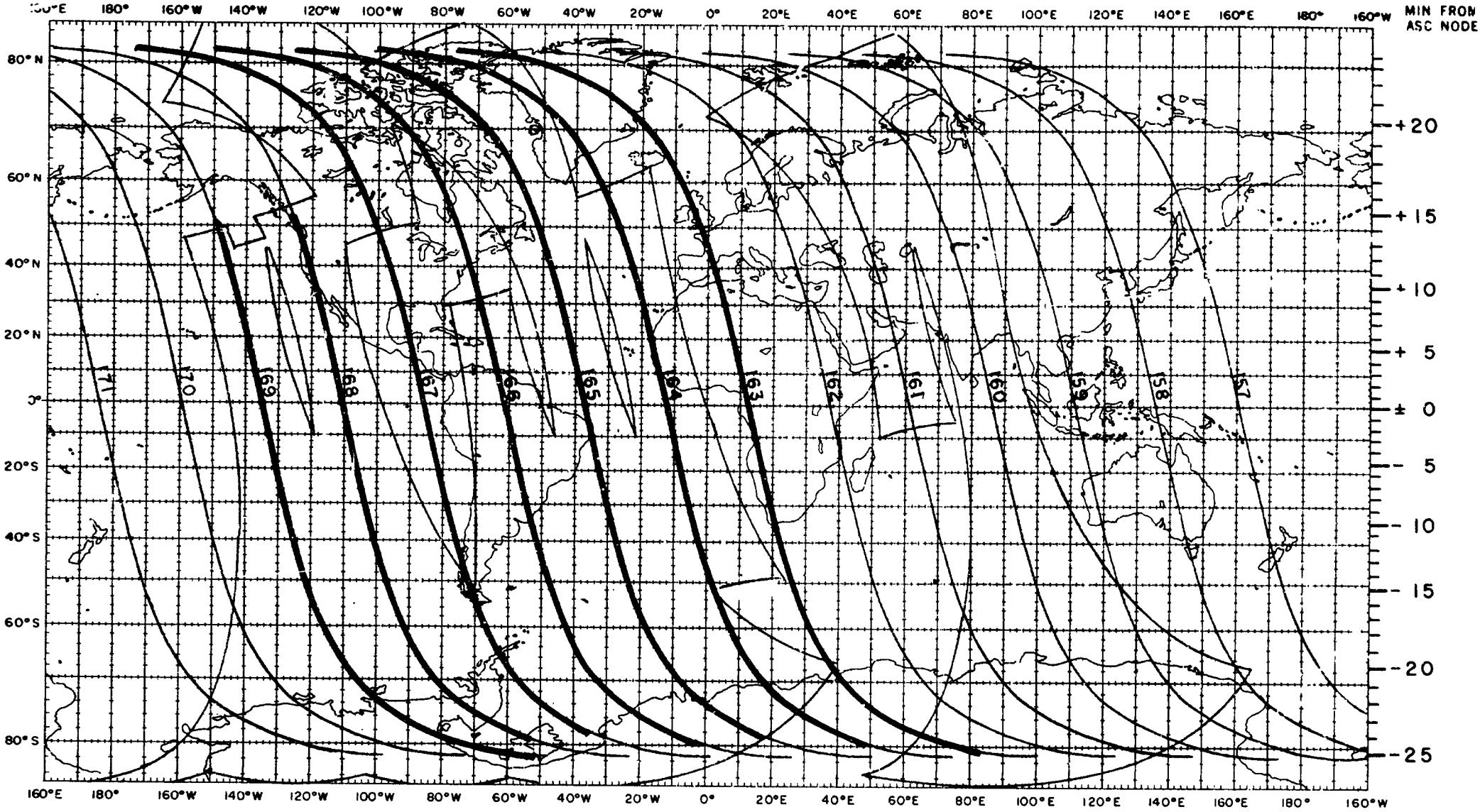
NIMBUS I DOCUMENTATION

8 September 1964

Orbits 156 through 171

AVCS DAILY COVERAGE MAP

8 SEPTEMBER 1964
ORBITS 156 TO 171

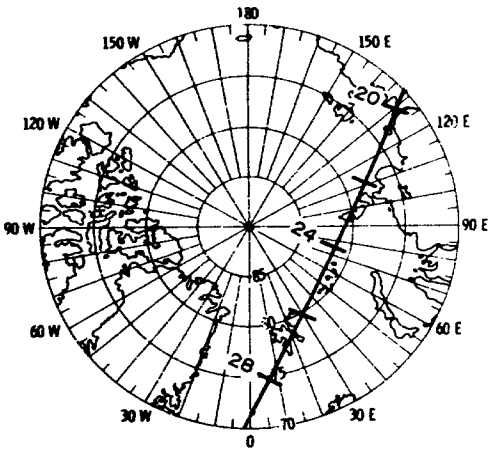


POLAR COVERAGE MAPS

8 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 157



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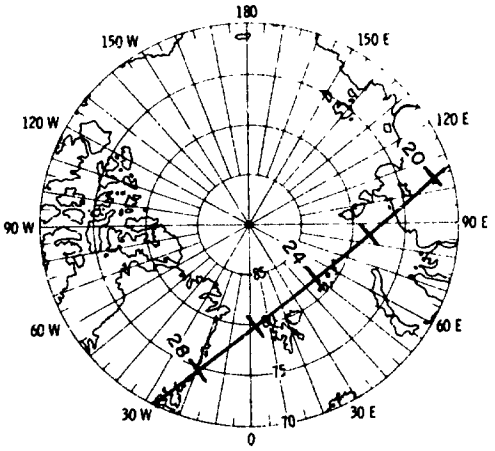

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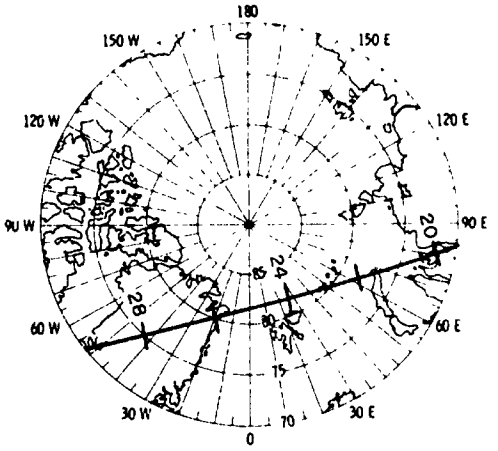

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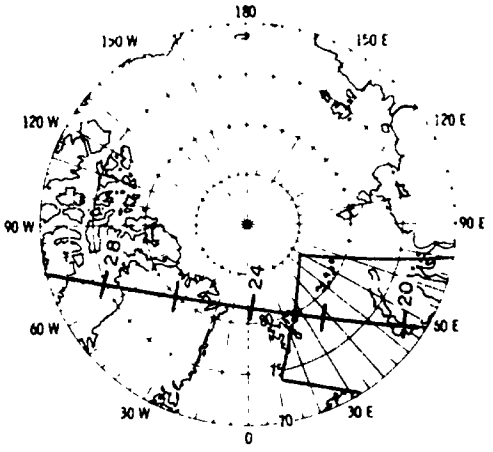
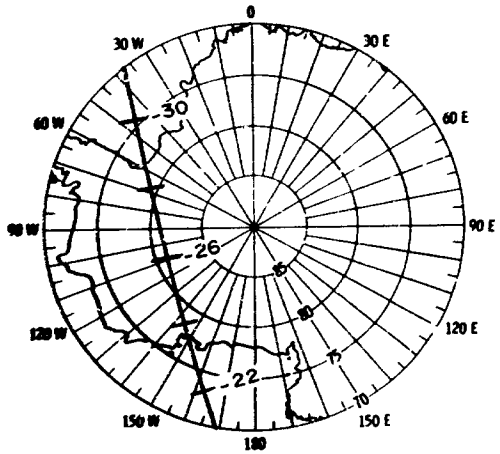
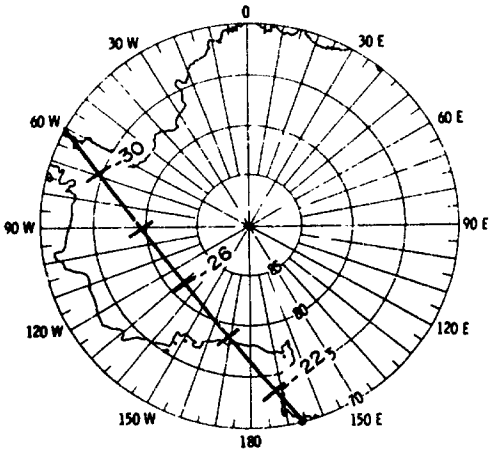


SOUTH POLAR REGIONS

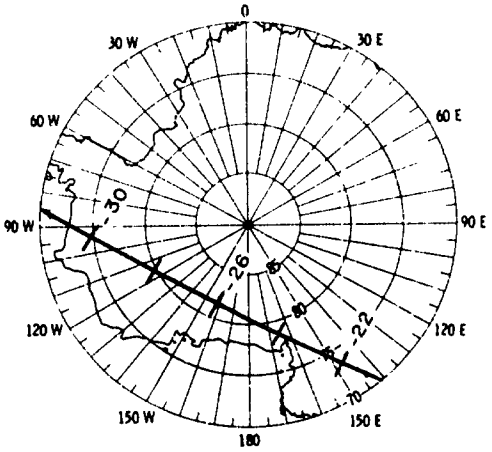
DATA ORBIT 156



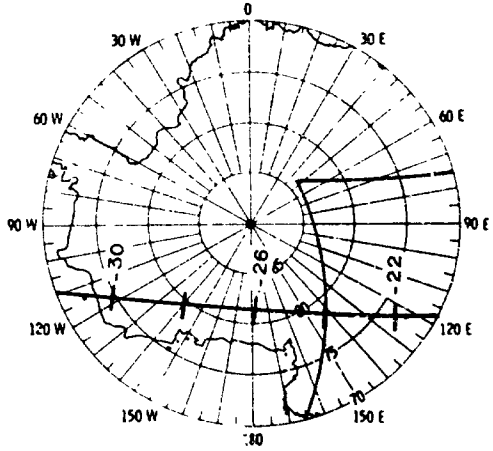
DATA ORBIT 157



DATA ORBIT 158



DATA ORBIT 159

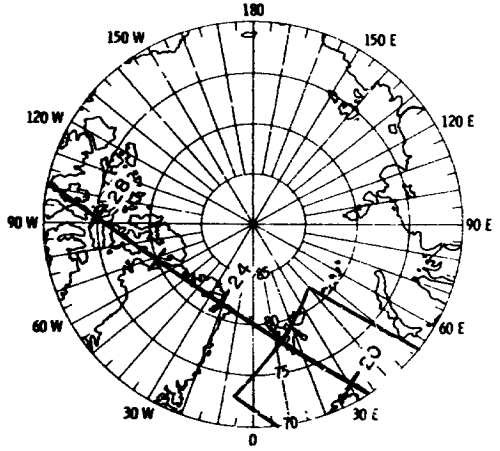


POLAR COVERAGE MAPS

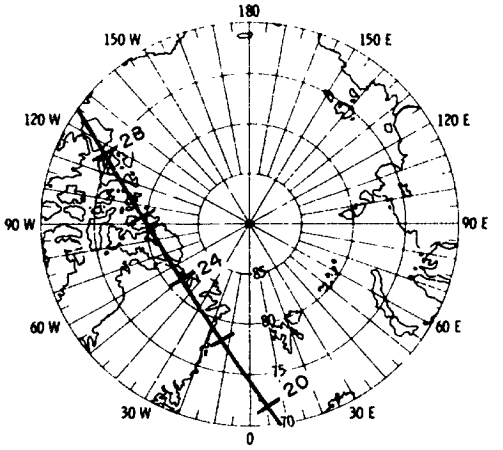
8 SEPTEMBER 1964

NORTH POLAR REGIONS

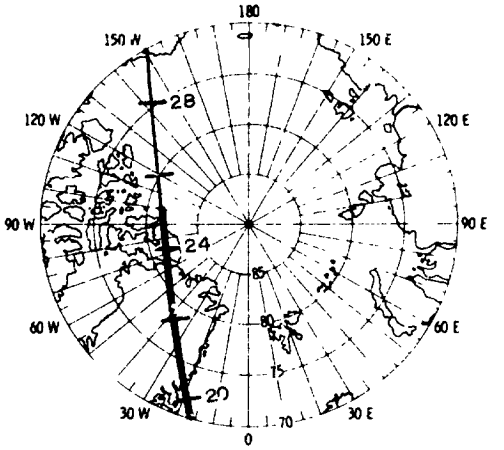
DATA ORBIT 161



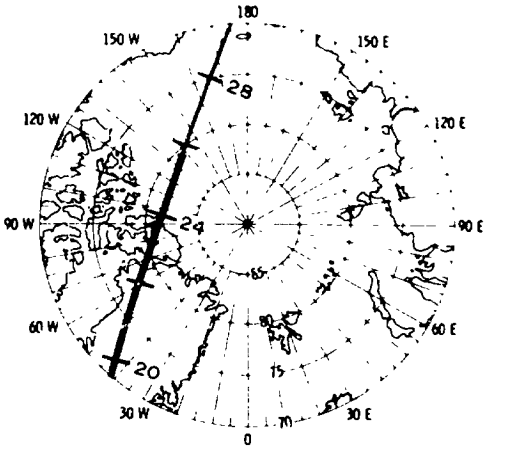
DATA ORBIT 162



DATA ORBIT 163

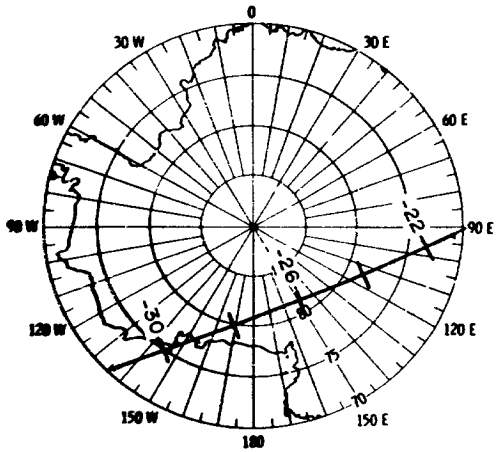


DATA ORBIT 164

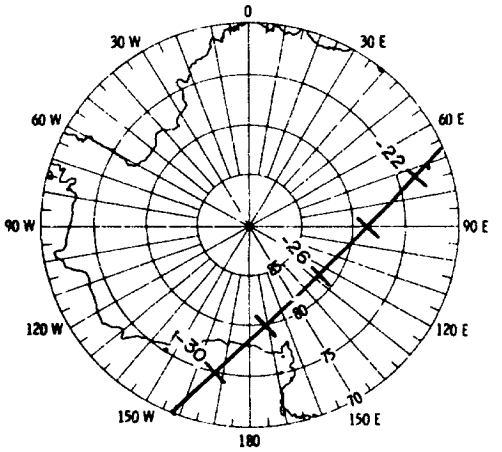


SOUTH POLAR REGIONS

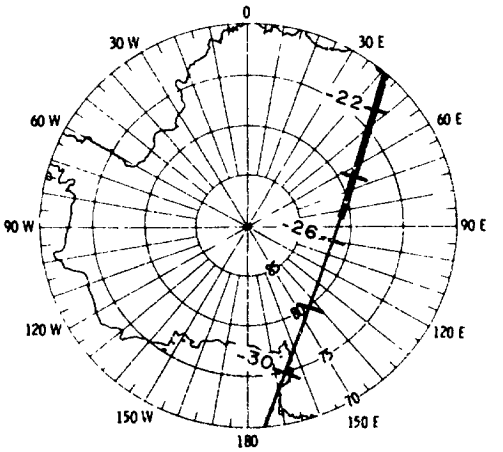
DATA ORBIT 160



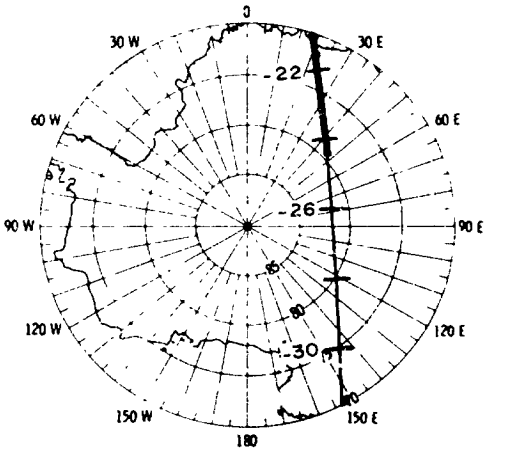
DATA ORBIT 161



DATA ORBIT 162



DATA ORBIT 163

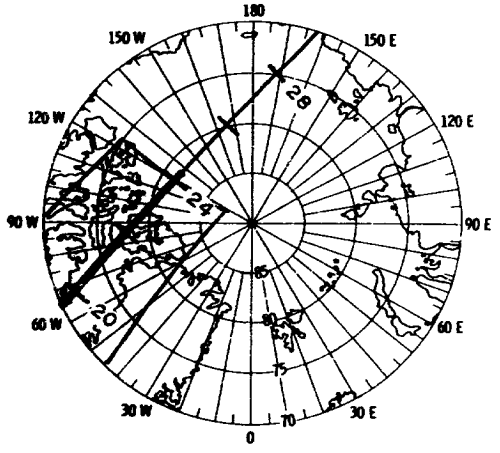


POLAR COVERAGE MAPS

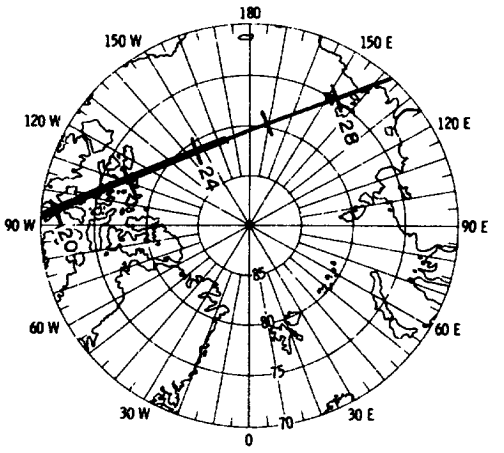
8 SEPTEMBER 1964

NORTH POLAR REGIONS

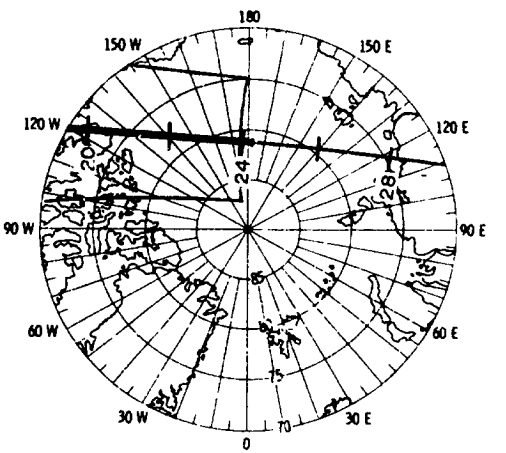
DATA ORBIT 165



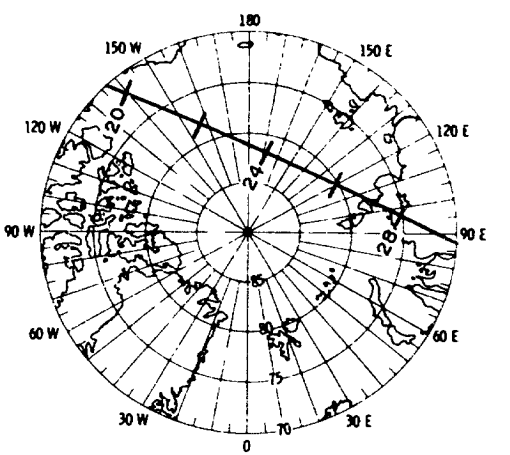
DATA ORBIT 166



DATA ORBIT 167

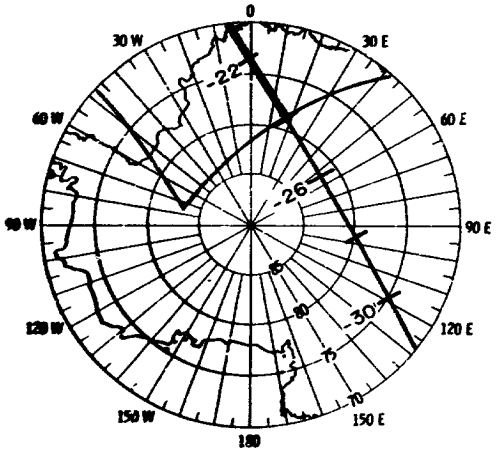


DATA ORBIT 168

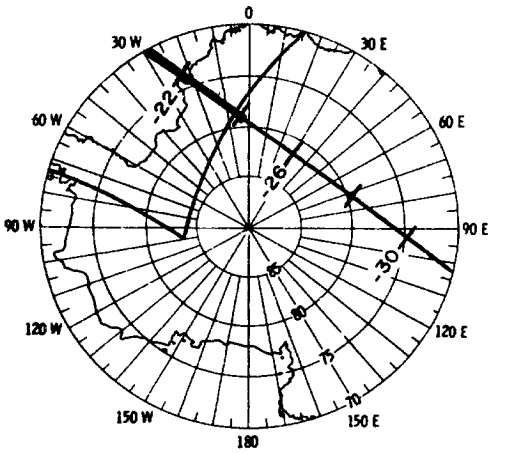


SOUTH POLAR REGIONS

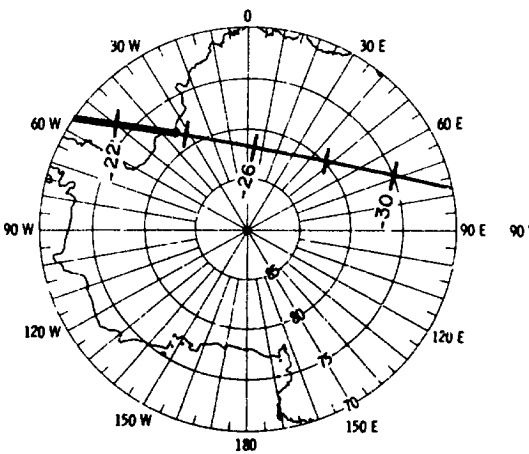
DATA ORBIT 164



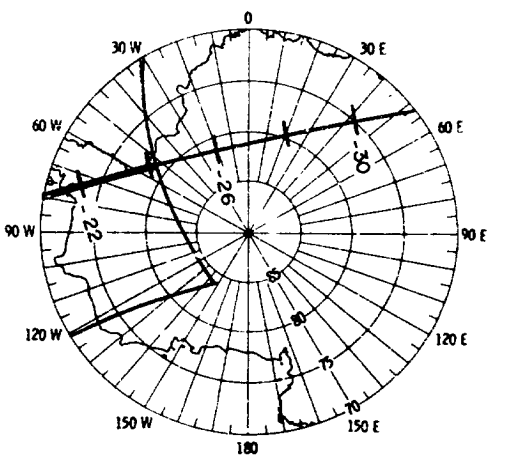
DATA ORBIT 165



DATA ORBIT 166



DATA ORBIT 167

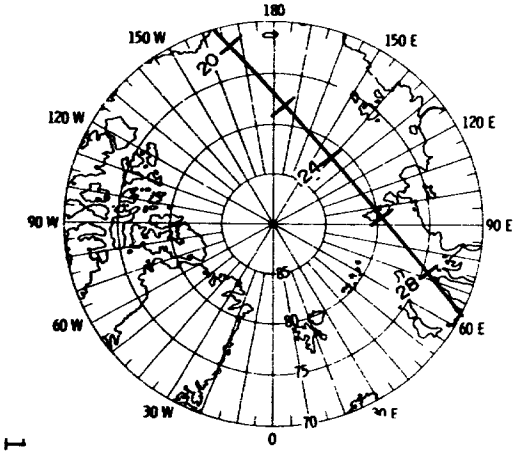


POLAR COVERAGE MAPS

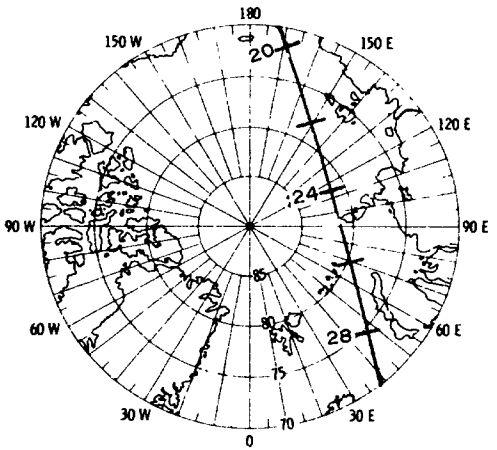
8 SEPTEMBER 1964

NORTH POLAR REGIONS

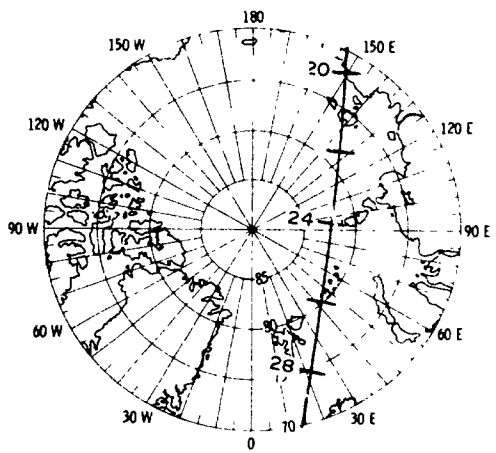
DATA ORBIT 169



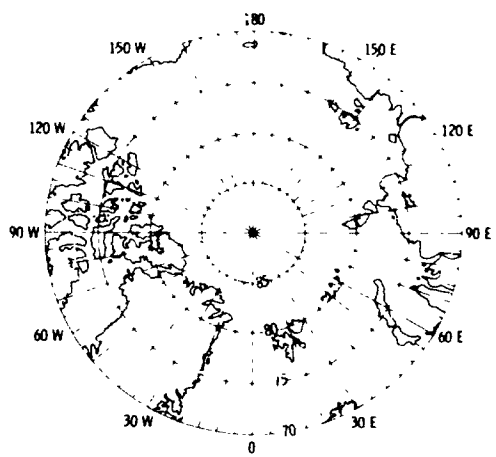
DATA ORBIT 170



DATA ORBIT 171

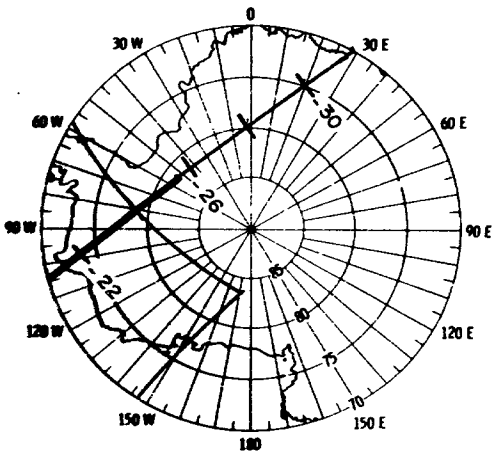


DATA ORBIT

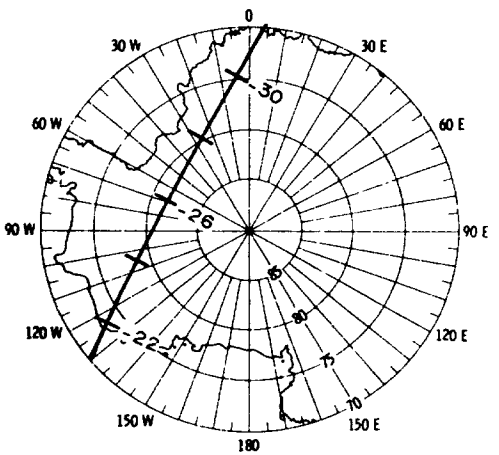


SOUTH POLAR REGIONS

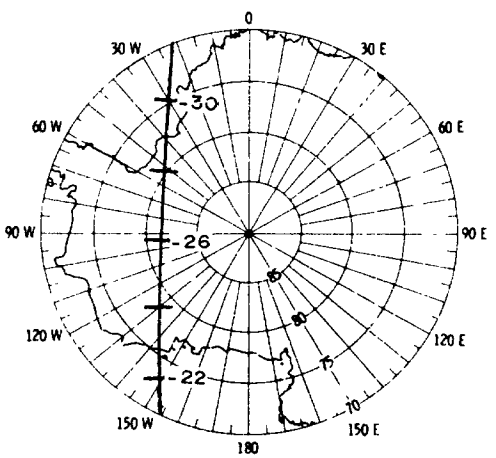
DATA ORBIT 168



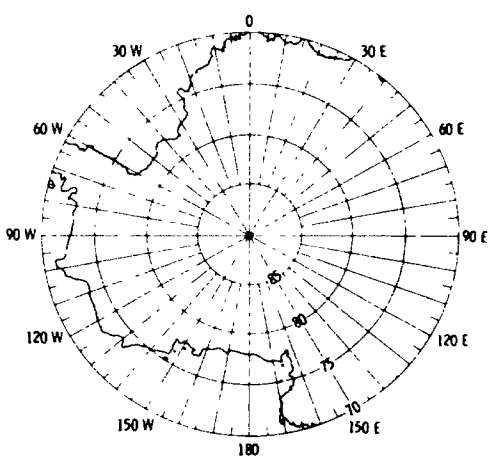
DATA ORBIT 169



DATA ORBIT 170



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 4

DATA ORBIT 159/160
DATE 8 September 1964
ASC. NODE 05 49 43 UT
86.89 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-160-02859	1	06 12 02	+22.3	509	13	1	ARCTIC ICE	FRONTAL BANDS
	1					2		Vortex Vicinity 69 N
	1					3		Streets
2-160-02859	2	06 10 31	+20.8	527	18	1		
	2					2		
	2					3		
3-160-02859	3	06 09 00	+19.3	546	24	1		
	3					2		
	3					3		
4-160-02859	4	06 07 29	+17.8	565	30	1		
	4					2		
	4					3		
5-160-02859	5	06 05 58	+16.3	587	36	1		
	5					2		
	5					3		
6-160-02859	6	06 04 27	+14.7	609	41	1		
	6					2		
	6					3		
7-160-02859	7	06 02 56	+13.2	632	47	1		MOSTLY CLEAR
	7					2	Lake Balkhash	
	7					3	Lakes Balkhash & Saysan	
8-160-02859	8	06 01 25	+11.7	655	52	1	Snow Covered Mts.	
	8					2	Lake Issyk	
	8					3	Tien Mts , Snow Covered	
9-160-02859	9	05 59 54	+10.2	679	58	1	Himalaya Mts Snow Covered	
	9					2	Takla-Makan Desert	
	9					3	Takla-Makan Desert	
10-160-02859	10	05 58 23	+ 8.7	703	63	1	Indus River Valley	
	10					2	Himalaya Mts , Snow Covered	
	10					3	Tibet, Numerous Lakes	
11-160-02859	11	05 56 52	+ 7.2	726	68	1		
	11					2	INDIA	
	11					3	Ceylon	
12-160-02859	12	05 55 21	+ 5.6	749	74	1	Gulf of Cambay	
	12					2	Ganges River	
	12					3		
13-160-02859	13	05 53 50	+ 4.1	772	79	1		STORM AREA
	13					2		
	13					3		
14-160-02859	14	05 52 19	+ 2.6	794	83	1		
	14					2		
	14					3		
15-160-02859	15	05 50 48	+ 1.1	816	84	1		
	15					2		
	15					3		
16-160-02859	16	05 49 17	- 0.4	837	81	1		CUFM & CIFM
	16					2		Some Cb
	16					3		Streets
17-160-02859	17	05 47 46	2.0	856	77	1		Streaks
	17					2		Fibrous
	17					3		
18-160-02859	18	05 46 15	- 3.5	874	72	1		
	18					2		
	18					3		
19-160-02859	19	05 44 44	- 5.0	891	67	1		
	19					2		
	19					3		
20-160-02859	20	05 43 13	- 6.5	906	62	1		BANDS
	20					2		Some Frontal
	20					3		Eddies
21-160-02859	21	05 41 42	- 8 0	920	57	1		Large Cellular Field
	21					2		
	21					3		
22-160-02859	22	05 40 11	- 9 3	931	52	1		
	22					2		
	22					3		
23-160-02859	23	05 38 40	-11.1	941	47	1		
	23					2		
	23					3		
24-160-02859	24	05 37 09	-12.6	948	42	1		
	24					2		
	24					3		
25-160-02859	25	05 35 38	-14.1	953	36	1		
	25					2		
	25					3		
26-160-02859	26	05 34 07	-15.6	956	31	1		
	26					2		
	26					3		
27-160-02859	27	05 32 36	-17.1	956	26	1		
	27					2		
	27					3		
28-160-02859	28	05 31 05	-18.6	955	21	1		
	28					2	ANTARCTICA	
	28					3		
29-160-02859	29	05 29 34	-20.2	950	16	1		APPARENT CLOUDS
	29					2		
	29					3		
30-160-02859	30	05 28 03	-21.7	944	11	1		
	30					2		
	30					3		
31-160-02859	31	05 26 32	-23.2	934	6	1		
	31					2		
	31					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Tr:ck 5

DATA ORBIT 160/161
DATE 9 September 1964
ASC. NODE 07 28 09 UT
62.29 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-162-60465	1	07 49 36	+21.5	520	16	1		BANDS Some Frontal Streets Streaks
	1					2		
	1					3		
2-162-60465	2	07 48 05	+19.9	537	22	1		
	2					2		
	2					3		
3-162-60465	3	07 46 34	+18.4	556	28	1		
	3					2		
	3					3		
4-162-60465	4	07 45 03	+16.9	578	33	1		
	4					2		
	4					3		
5-162-60465	5	07 43 32	+15.4	600	39	1		
	5					2		
	5					3		
6-162-60465	6	07 42 01	+13.9	622	45	1	Volga River	MOSTLY CLEAR
	6					2	Volga River	
	6					3	Ural River	
7-162-60465	7	07 40 30	+12.4	644	50	1	Caspian Sea	CUFM
	7					2	Caspian Sea	
	7					3	Aral Sea	
8-162-60465	8	07 38 59	+10.8	667	56	1	Lakes Var & Urmia	
	8					2	Caspian Sea	
	8					3		
9-162-60465	9	07 37 28	+ 9.3	691	61	1	Tigris - Euphrates River Valley	MOSTLY CLEAR
	9					2		
	9					3		
10-162-60465	10	07 35 57	+ 8.8	715	67	1	Persian Gulf & Qatar	
	10					2	Strait of Hormuz	
	10					3		
11-162-60465	11	07 34 26	+ 6.3	737	72	1		
	11					2	MUSCAT & OMAN	
	11					3		
12-162-60465	12	07 32 55	+ 4.8	761	77	1		CUFM Cellular Streets Some St along Cst. Cifm
	12					2		
	12					3		
13-162-60465	13	07 31 24	+ 3.3	785	82	1	Somali & Socotra I.	
	13					2		
	13					3		
14-162-60465	14	07 29 53	+ 1.7	807	84	1		
	14					2		
	14					3		
15-162-60465	15	07 28 22	+ 0.2	828	83	1		
	15					2	Sun Glint	
	15					3		
16-162-60465	16	07 26 51	- 1.3	847	79	1		
	16					2	Sun Glint	
	16					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 8

DATA ORBIT 163/164
DATE 8 September 1964
ASC. NODE 12 23 27 GT
11.52 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-164-60474	1	12 39 28	+16.0	587	36	1		BANDS Some Frontal
	1					2		
	1					3		
2-164-60474	2	12 37 57	+14.5	608	42	1		
	2					2		
	2					3		
3-164-60474	3	12 36 26	+13.0	631	47	1		
	3					2		
	3					3		
4-164-60474	4	12 34 55	+11.5	652	53	1		
	4					2		
	4					3		
5-164-60474	5	12 33 24	+10.0	675	58	1		TROPICAL STORM FLORENCE
	5					2		
	5					3		
6-164-60474	6	12 31 53	+ 8.4	702	64	1		
	6					2	AFRICA Canary Is.	
	6					3		
7-164-60474	7	12 30 22	+ 6.9	726	69	1		MOSTLY CLEAR
	7					2		
	7					3		
8-164-60474	8	12 28 51	+ 5.4	749	75	1		
	8					2		
	8					3		
9-164-60474	9	12 27 20	+ 3.9	772	79	1		CUFM Cb
	9					2		
	9					3		
10-164-60474	10	12 25 49	- 2.4	795	83	1		
	10					2		
	10					3		
11-164-60474	11	12 24 18	+ 0.9	816	84	1		
	11					2		
	11					3		
12-164-60474	12	12 22 47	- 0.7	836	81	1		
	12					2		CUFM Large Cellular Field Eddies
	12					3		
13-164-60474	13	12 21 16	- 2.2	856	75	1		
	13					2		
	13					3		
14-164-60474	14	12 19 45	- 3.7	875	71	1		
	14					2		
	14					3		
15-164-60474	15	12 18 14	- 5.2	991	66	1		
	15					2		
	15					3		
16-164-60474	16	43	- 6.7	907	61	1		
	16					2		
	16					3		
17-164-60474	17	12 12	- 8.3	920	56	1		
	17					2		
	17					3		
18-164-60474	18	12 13 41	- 9.8	931	51	1		
	18					2		FRONTAL BANDS Eddies
	18					3		
19-164-60474	19	12 12 10	-11.3	941	46	1		
	19					2		
	19					3		
20-164-60474	20	12 10 39	-12.8	948	41	1		
	20					2		
	20					3		
21-164-60474	21	12 09 08	-14.3	954	35	1		
	21					2		
	21					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 9

DATE ORBIT 164/165
DATE 8 September 1964
ASC. NODE 14 01 53 UT
36 13 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-167-02704	1	14 24 37	+22.7	502	11	1	Parry Is.	MOSTLY CLEAR
	1					2	Sverdrup Is.	
	1					3		
2-167-02704	2	14 23 06	+21.2	519	17	1	Prideur Pen. & Devon I.	
	2					2	Devon I & Ellesmere I.	
	2					3	Greenland	
3-167-02704	3	14 21 35	+19.7	537	23	1		FRONTAL BANDS
	3					2		Eddies
	3					3	Greenland	Streets
4-167-02704	4	14 20 04	+18.2	557	28	1	Baffin I.	Streaks
	4					2	Baffin I.	Fibrous
	4					3	Greenland	Cellular
5-167-02704	5	14 18 33	+16.7	578	34	1	Labrador	
	5					2		
	5					3	Greenland	
6-167-02704	6	14 17 02	+15.2	599	40	1	Labrador	
	6					2		
	6					3		
7-167-02704	7	14 15 31	+13.6	621	45	1	Newfoundland, Avalon Pen.	
	7					2		
	7					3		
8-167-02704	8	14 14 00	+12.1	644	51	1		
	8					2		
	8					3		
9-167-02704	9	14 12 29	+10.6	667	56	1		
	9					2		
	9					3		
10-167-02704	10	14 10 58	+ 9.1	691	62	1		
	10					2		
	10					3		
11-167-02704	11	14 09 27	+ 7.6	714	67	1		SCATTERED CU
	11					2		
	11					3		
12-167-02704	12	14 07 56	+ 6.1	738	73	1		
	12					2		
	12					3		
13-167-02704	13	14 06 25	+ 4.5	761	78	1		
	13					2		
	13					3		
14-167-02704	14	14 04 54	+ 3.0	784	82	1		ITC
	14					2		
	14					3		
15-167-02704	15	14 03 23	+ 1.5	806	84	1		
	15					2		
	15					3		
16-167-02704	16	14 01 52	- 0.0	827	82	1		CUFM
	16					2	SOUTH AMERICA	Numerous Small Cu over Land
	16					3		
17-167-02704	17	14 00 21	- 1.5	847	78	1		
	17					2		
	17					3		
18-167-02704	18	13 58 50	- 3.1	866	73	1		
	18					2		
	18					3		
19-167-02704	19	13 57 19	- 4.6	884	68	1		
	19					2		
	19					3		
20-167-02704	20	13 55 48	- 6.1	900	63	1		
	20					2		
	20					3		
21-167-02704	21	13 54 17	- 7.6	914	58	1		
	21					2		
	21					3		
22-167-02704	22	13 52 46	- 9.1	927	53	1		BANDS
	22					2		Some Frontal
	22					3		Eddies
23-167-02704	23	13 51 15	-10.6	937	48	1		
	23					2		
	23					3		
24-167-02704	24	13 49 44	-12.2	945	43	1		
	24					2		
	24					3		
25-167-02704	25	13 48 13	-13.7	952	38	1		
	25					2		
	25					3		
26-167-02704	26	13 46 42	-15.2	955	33	1		
	26					2		
	26					3		
27-167-02704	27	13 45 11	-16.7	956	27	1		
	27					2		
	27					3		
28-167-02704	28	13 43 40	-18.2	956	22	1		
	28					2		
	28					3		
29-167-02704	29	13 42 09	-19.7	953	17	1		APPARENT CLOUDS
	29					2	ANTARCTICA	
	29					3		
30-167-02704	30	13 40 38	-20.3	947	12	1		
	30					2		
	30					3		
31-167-02704	31	13 39 07	-21.8	939	7	1		
	31					2		
	31					3		
32-167-02704	32	13 37 36	-23.3	929	2	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 10

DATA ORBIT 165/166
DATE 8 September 1964
ASC. NODE 15 49 12 GT
60.73 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-166-02708	1	15 48 42	+ 8.4	701	64	1		HURRICANES DORA & ETHEL
	1					2		
	1					3		
2-167-02704	2	15 47 11	+ 6.9	725	70	1		
	2					2		
	2					3		
3-167-02704	3	15 45 40	+ 5.4	749	75	1	Puerto Rico	SCATTERED CU
	3					2		Some Cb
	3					3		
4-167-02704	4	15 44 09	+ 3.8	772	80	1	SOUTH AMERICA	
	4					2	Amazon River Valley	
	4					3		
5-167-02704	5	15 42 38	+ 2.3	794	83	1		CUFM
	5					2		Numerous Small Cu
	5					3		Cb
6-167-02704	6	15 41 07	+ 0.6	816	84	1		Ci
	6					2		
	6					3		
7-167-02704	7	15 39 36	- 0.7	836	80	1		
	7					2		
	7					3		
8-167-02704	8	15 38 05	- 2.2	855	76	1		
	8					2		
	8					3		
9-167-02704	9	15 36 34	- 3.8	874	71	1		BANDS
	9					2		Some Frontal
	9					3		Eddies
10-167-02704	10	15 35 03	- 5.3	891	66	1		
	10					2		
	10					3		
11-167-02704	11	15 33 32	- 6.8	906	61	1		
	11					2		
	11					3		
12-167-02704	12	15 32 01	- 8.3	920	56	1		
	12					2		
	12					3		
13-167-02704	13	15 30 30	- 9.8	931	51	1		
	13					2		
	13					3		
14-167-02704	14	15 28 59	-11.3	941	46	1		
	14					2		
	14					3		
15-167-02704	15	15 27 28	-12.9	948	41	1		
	15					2		
	15					3		
16-167-02704	16	15 25 57	-14.4	956	35	1		
	16					2		
	16					3		
17-167-02704	17	15 24 26	-15.9	956	30	1		
	17					2		
	17					3		
18-167-02704	18	15 22 55	-17.4	957	25	1		
	18					2		
	18					3		
19-167-02704	19	15 21 24	-18.9	955	20	1		
	19					2		
	19					3		
20-167-02704	20	15 19 53	-20.4	951	15	1	ANTARCTICA	APPARENT CLOUDS
	20					2		
	20					3		
21-167-02704	21	15 18 22	-22.0	944	10	1		
	21					2		
	21					3		
22-167-02704	22	15 16 51	-23.5	935	5	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 11

DATA ORBIT 166/167
DATE 8 September 1964
ASC. NODE 17 18 45 UT
85 34 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-168-60480	1	17 14 20	+23.6	491	8	1	ARCTIC ICE	APPARENT THIN CLOUDS
	1					2		
	1					3		
2-168-60480	2	17 40 49	+22.1	507	13	1		
	2					2		
	2					3		
3-168-60480	3	17 39 18	+20.6	524	19	1	Victoria I.	
	3					2		
	3					3		
4-168-60480	4	17 37 47	+19.0	544	25	1		MOSTLY CUFM
	4					2		Some Streets
	4					3		
5-168-60480	5	17 36 16	+17.5	564	31	1		
	5					2		
	5					3		
6-168-60480	6	17 34 45	+16.0	585	36	1		
	6					2		
	6					3		
7-168-60480	7	17 33 14	+14.5	606	42	1		
	7					2		
	7					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 12

DATA ORBIT 167/168
DATE 8 September 1964
ASC. NODE 18 57 11 UT
109.94 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-168-60480	1*	19 11 41	+14.5	605	42	1		
	1					2	Vancouver I., Snow on Mts.	Some Cufm
	1					3	Snow on Canadian Rockies	Cufm & Stfm
2-168-60480	2	19 10 10	+13.0	628	48	1		Cufm
	2					2	Washington & Oregon Cst., Puget Sound	Cufm
	2					3	Columbia & Snake River Junction	Bands & Streets
3-168-60480	3	19 08 39	+11.5	651	53	1	N. California Cst.	Cufm
	3					2	Pyramid, Tahoe & Honey Lakes	Narrow Band
	3					3	Great Salt Lake	Mostly Clear
4-168-60480	4	19 07 08	+10.0	674	59	1	California Cst.	Cufm
	4					2	S. California & Channel Is.	Mostly Clear
	4					3	Lake Mead & Colorado River	Cu Streets
5-168-60480	5	19 05 37	+ 8.4	698	64	1		
	5					2	Baja California & Guadalupe I.	TROPICAL STORM TILLIE
	5					3	Baja California & Mexico	Vicinity 27 N
6-168-60480	6	19 04 06	+ 6.9	722	69	1		
	6					2		
	6					3	Baja California & Mexico	
7-168-60480	7	19 02 35	+ 5.4	745	74	1		
	7					2		
	7					3		
8-168-60480	8	19 01 04	+ 3.9	768	79	1		
	8					2		CUFM
	8					3		
9-168-60480	9	18 59 33	+ 2.4	792	83	1		
	9					2		ITC
	9					3		
10-168-60480	10	18 58 02	+ 0.9	813	84	1		
	10					2		
	10					3		
11-168-60480	11	18 56 31	- 0.7	834	81	1		
	11					2		CUFM
	11					3		Large Cells
12-168-60480	12	18 55 00	- 2.2	853	76	1		
	12					2		
	12					3		
13-168-60480	13	18 53 29	- 3.7	872	72	1		
	13					2		CUFM
	13					3		Some Bands
14-168-60480	14	18 51 58	- 5.2	889	67	1		Some Actiniform
	14					2		
	14					3		
15-168-60480	15	18 50 27	- 6.7	904	61	1		
	15					2		FRONTAL SYSTEM
	15					3		Vortex Vicinity 46 S
16-168-60480	16	18 48 56	- 8.3	918	56	1		
	16					2		
	16					3		
17-168-60480	17	18 47 25	- 9.8	930	51	1		
	17					2		
	17					3		
18-168-60480	18	18 45 54	-11.3	940	46	1		
	18					2		
	18					3		
19-168-60480	19	18 44 23	-12.8	948	41	1		
	19					2		
	19					3		
20-168-60480	20	18 42 52	-14.3	952	35	1		
	20					2		
	20					3		
21-168-60480	21	18 41 21	-15.8	956	31	1		
	21					2		
	21					3		
22-168-60480	22	18 39 50	-17.4	957	25	1		
	22					2		
	22					3		
23-168-60480	23	18 38 19	-18.9	956	20	1		
	23					2		
	23					3		
24-168-60480	24	18 36 48	-20.4	951	15	1		
	24					2	ANTARCTICA	
	24					3	Palmer Pen.	
25-168-60480	25	18 35 17	-21.9	945	10	1	Filchner Ice Shelf	
	25					2		APPARENT THIN CLOUDS
	25					3		
26-168-60480	26	18 33 46	-23.4	936	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 8 Track 13

DATA ORBIT 168/169
DATE 8 September 1964
ASC. NODE 20 35 37 GT
134.54 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-169-60486	1	20 48 41	+13.1	626	48	1		Vortex
	1					2		Band
	1*					3		
2-169-60486	2	20 47 10	+11.6	649	52	1		BANDS
	2					2		Some Large Cells
	2					3		
3-169-60486	3	20 45 39	+10.0	673		1		
	3					2		
	3					3		
4-169-60486	4	20 44 08	+ 8.5	698	64	1		CUFM
	4					2		Some Streaks
	4					3		
5-169-60486	5	20 42 37	+ 7.0	720	69	1		
	5					2		
	5					3		
6-169-60486	6	20 41 06	+ 5.5	741	74	1		
	6					2		
	6					3		
7-169-60486	7	20 39 35	+ 4.0	765	79	1		ITC
	7					2		
	7					3		
8-169-60486	8	20 38 04	+ 2.5	789	83	1		
	8					2		
	8					3		
9-169-60486	9	20 36 33	+ 0.9	812	84	1		CUFM
	9					2		Fibrous
	9					3		Streaks
10-169-60486	10	20 35 02	- 0.6	832	81	1		
	10					2		
	10					3		
11-169-60486	11	20 33 31	- 2.1	852	77	1		
	11					2		
	11					3		
12-169-60486	12	20 32 00	- 3.6	870	72	1		FRONTAL SYSTEM
	12					2		Vortex Vicinity 47 S
	12					3		
13-169-60486	13	20 30 29	- 5.1	888	67	1		
	13					2		
	13					3		
14-169-60486	14	20 28 58	- 6.7	904	61	1		
	14					2		
	14					3		
15-169-60486	15	20 27 27	- 8.2	918	56	1		
	15					2		
	15					3		
16-169-60486	16	20 25 56	- 9.7	930	51	1		
	16					2		
	16					3		
17-169-60486	17	20 24 25	-11.2	939	46	1		
	17					2		
	17					3		
18-169-60486	18	20 22 54	-12.7	947	41	1		
	18					2		
	18					3		
19-169-60486	19	20 21 23	-14.2	953	36	1		
	19					2		
	19					3		
20-169-60486	20	20 19 52	-15.8	956	31	1		
	20					2		
	20					3		
21-169-60486	21	20 18 21	-17.3	957	26	1		
	21					2		
	21					3		
22-169-60486	22	20 16 50	-18.8	956	20	1		
	22					2		
	22					3		
23-169-60486	23	20 15 19	-20.3	952	15	1		
	23					2		
	23					3		
24-169-60486	24	20 13 48	-21.8	945	10	1	ANTARCTICA	APPARENTLY MOSTLY CLEAR
	24					2	Marie Byrd Land	
	24					3		
25-169-60486	25	20 12 17	-23.3	937	5	1		
	25					2		
	25					3		

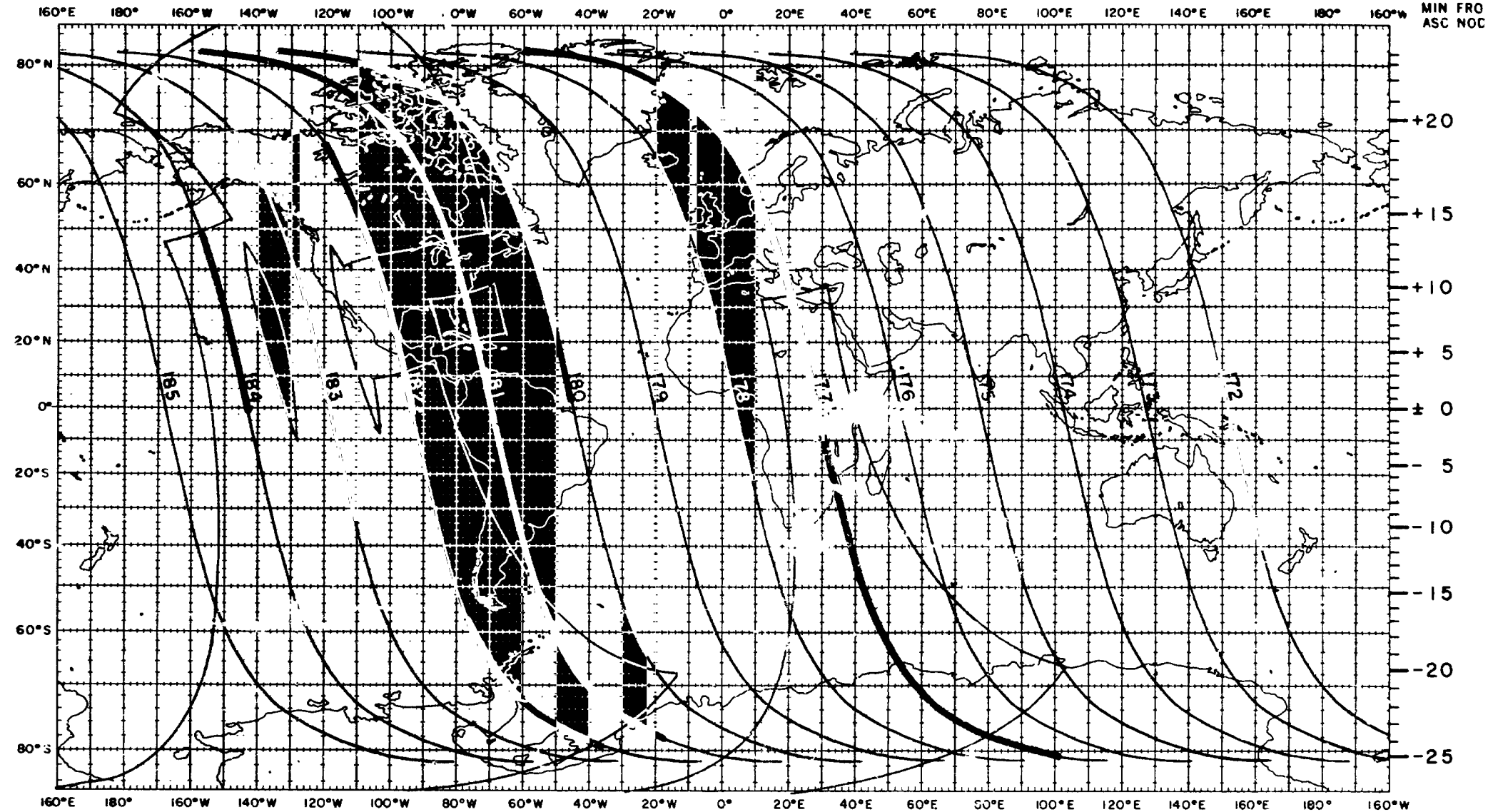
NIMBUS I DOCUMENTATION

9 September 1964

Orbits 171 through 185

AVCS DAILY COVERAGE MAP

9 SEPTEMBER 1964
ORBITS 171 TO 185

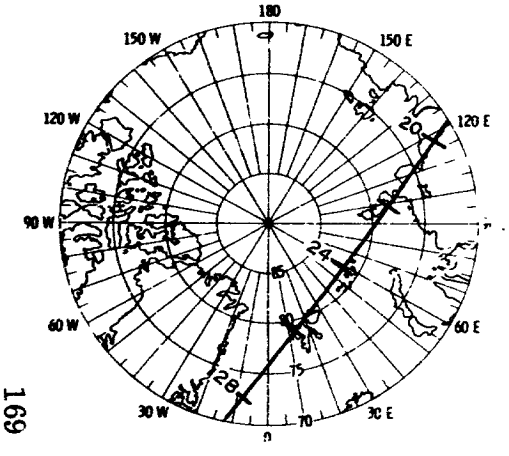


POLAR COVERAGE MAPS

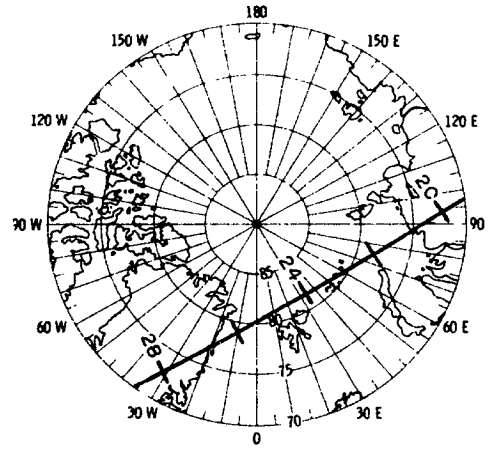
9 SEPTEMBER 1964

NORTH POLAR REGIONS

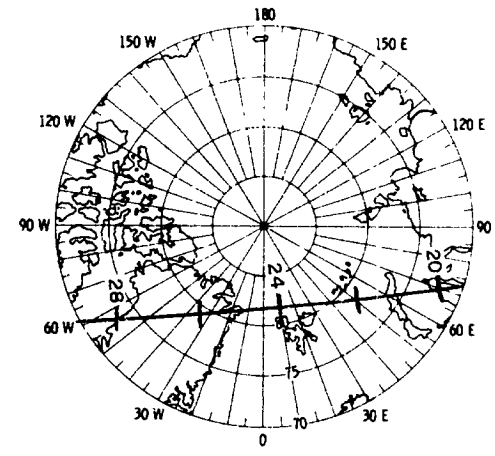
DATA ORBIT 172



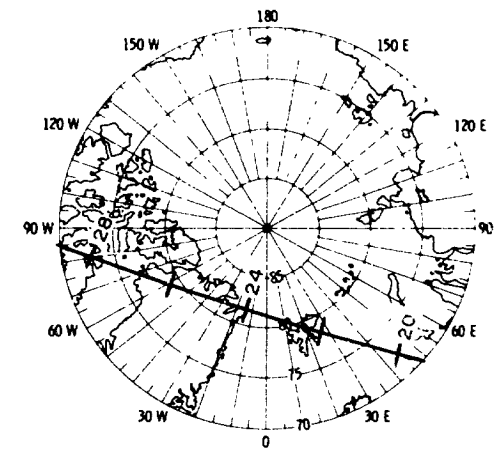
DATA ORBIT 173



DATA ORBIT 174

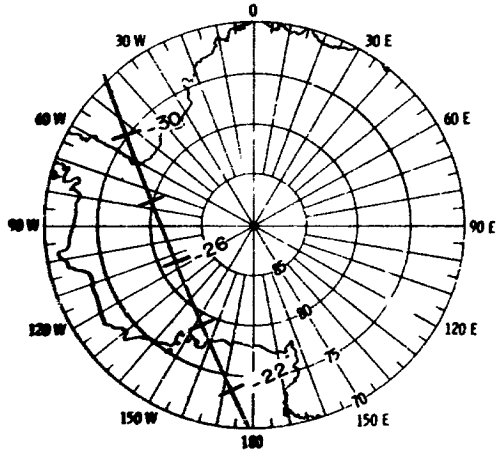


DATA ORBIT 175

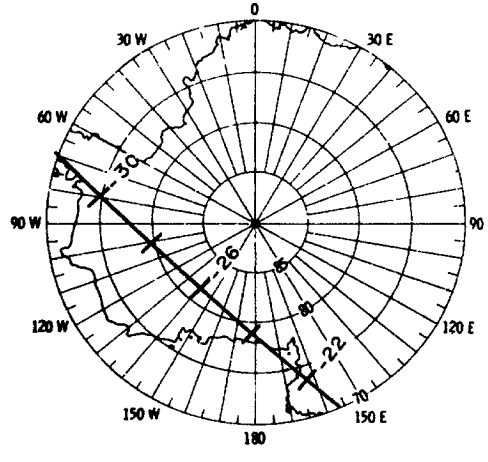


SOUTH POLAR REGIONS

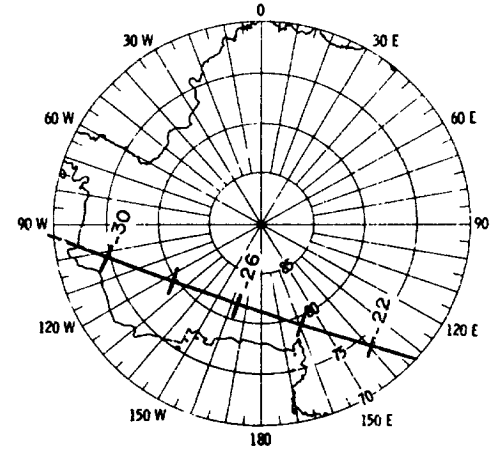
DATA ORBIT 171



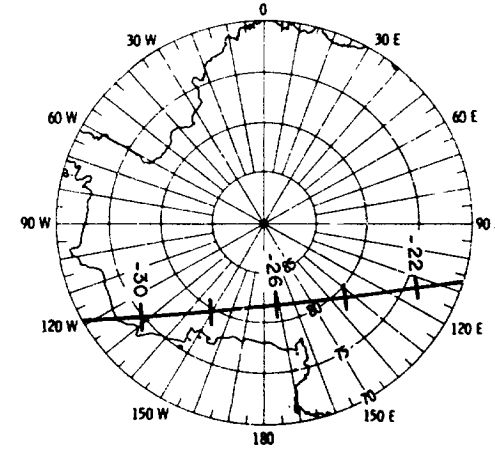
DATA ORBIT 172



DATA ORBIT 173



DATA ORBIT 174

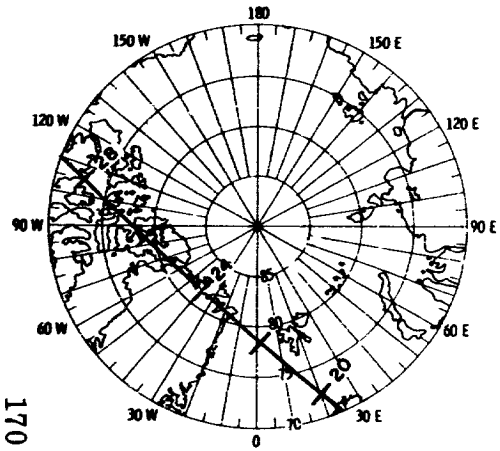


POLAR COVERAGE MAPS

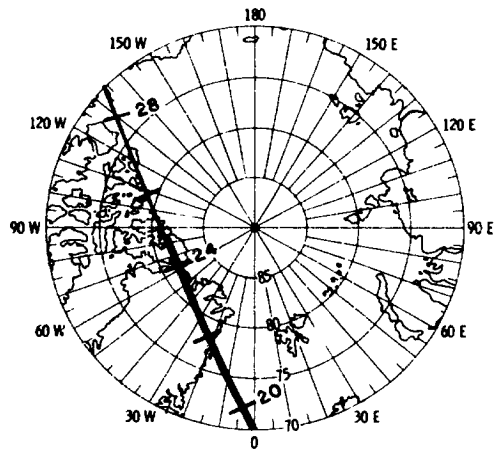
9 SEPTEMBER 1964

NORTH POLAR REGIONS

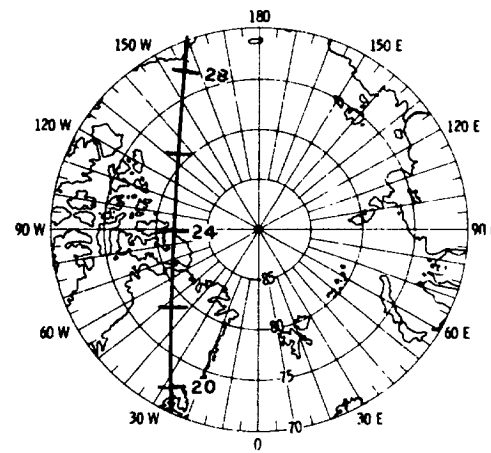
DATA ORBIT 176



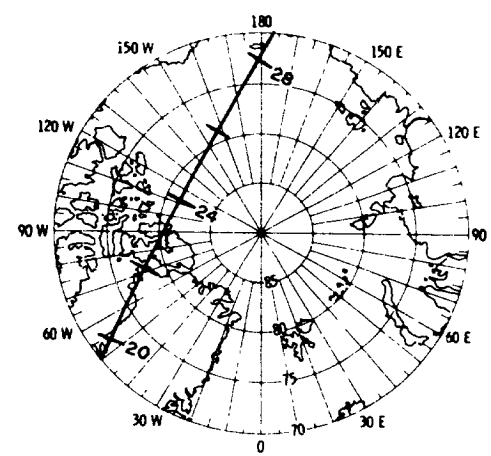
DATA ORBIT 177



DATA ORBIT 178

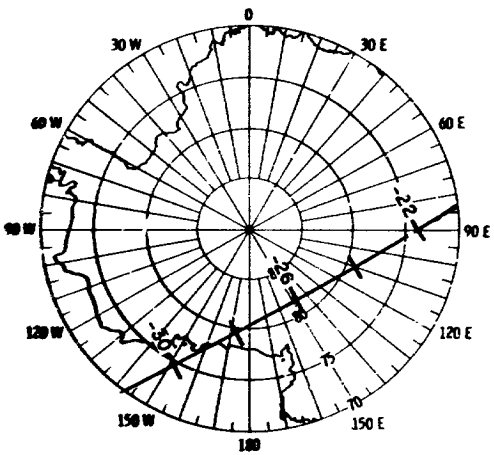


DATA ORBIT 179

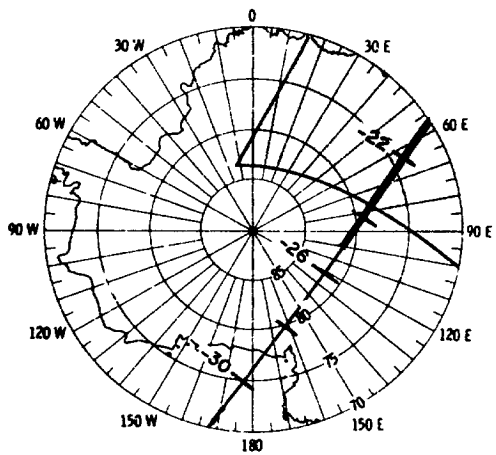


SOUTH POLAR REGIONS

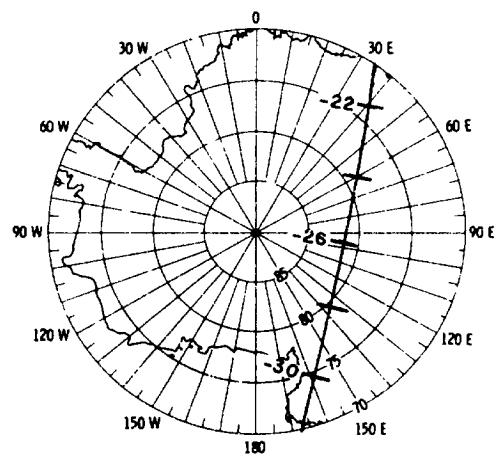
DATA ORBIT 175



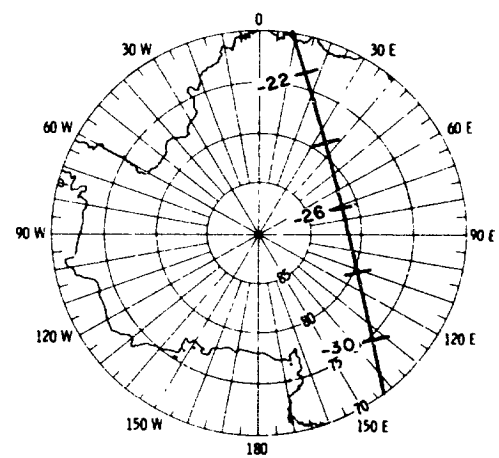
DATA ORBIT 176



DATA ORBIT 177



DATA ORBIT 178

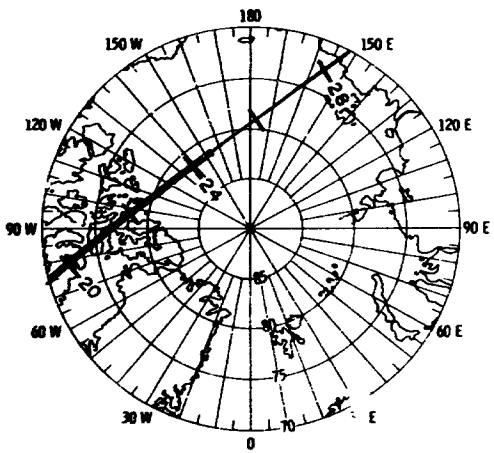


POLAR COVERAGE MAPS

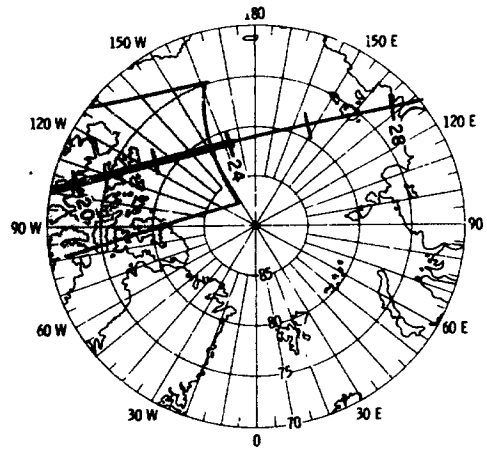
9 SEPTEMBER 1964

NORTH POLAR REGIONS

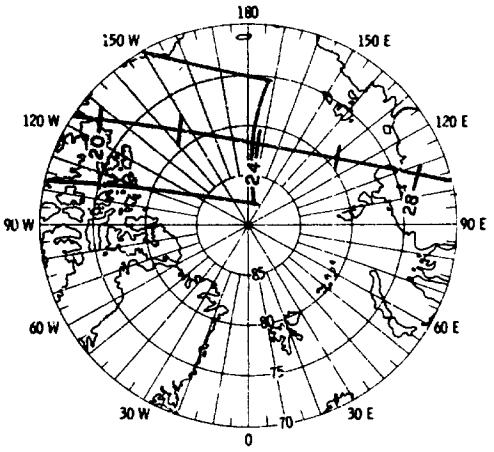
DATA ORBIT 180



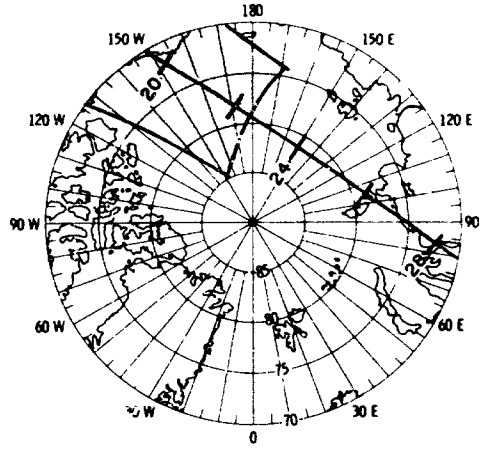
DATA ORBIT 181



DATA ORBIT 182

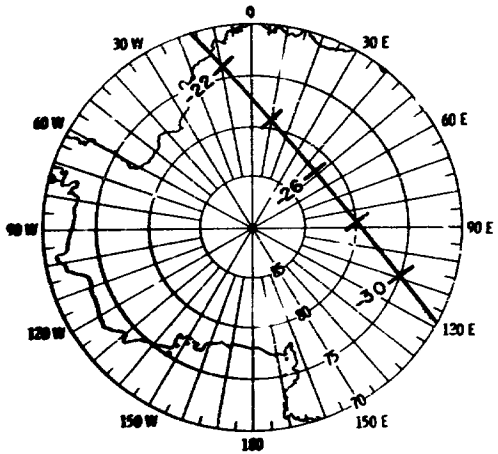


DATA ORBIT 183

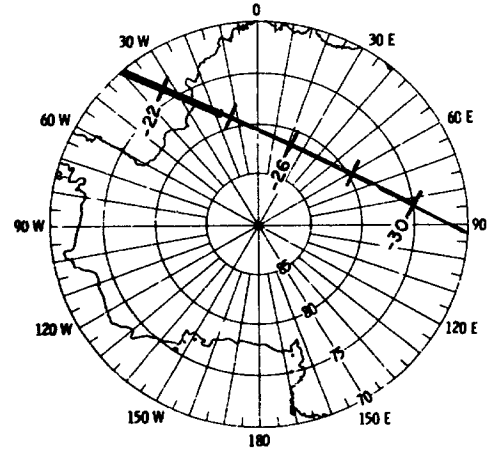


SOUTH POLAR REGIONS

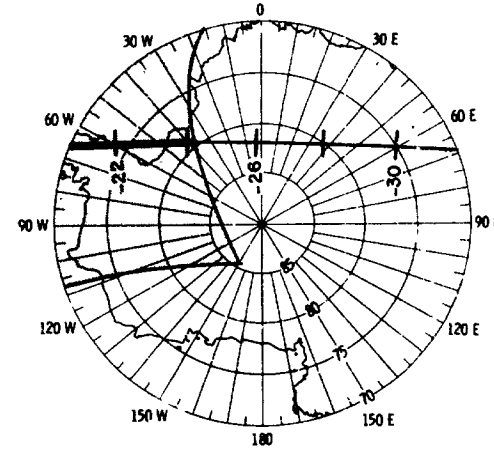
DATA ORBIT 179



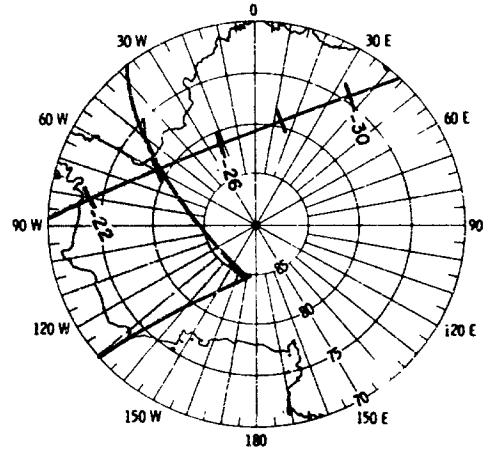
DATA ORBIT 180



DATA ORBIT 181



DATA ORBIT 182

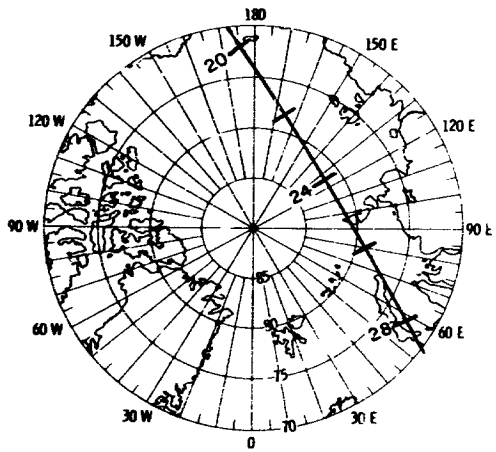


POLAR COVERAGE MAPS

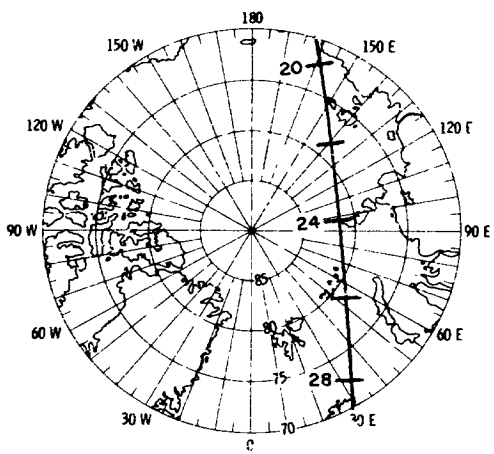
9 SEPTEMBER 1964

NORTH POLAR REGIONS

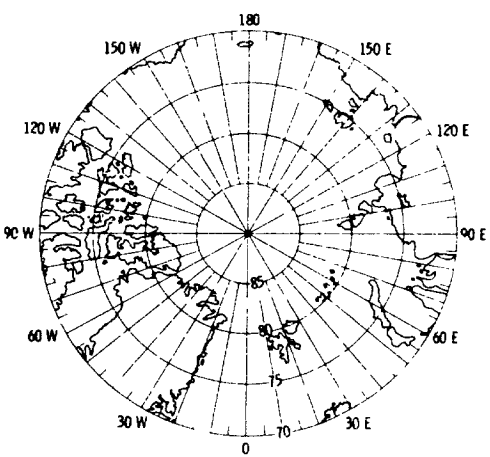
DATA ORBIT 184



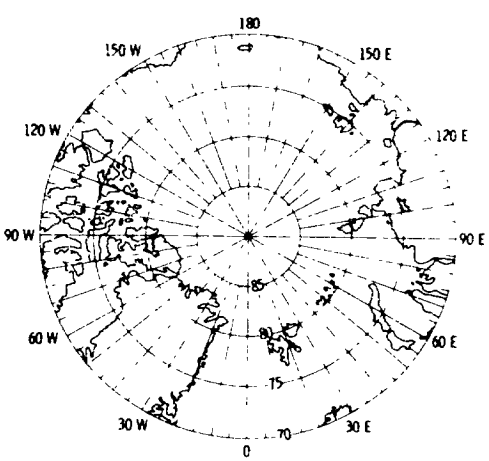
DATA ORBIT 185



DATA ORBIT

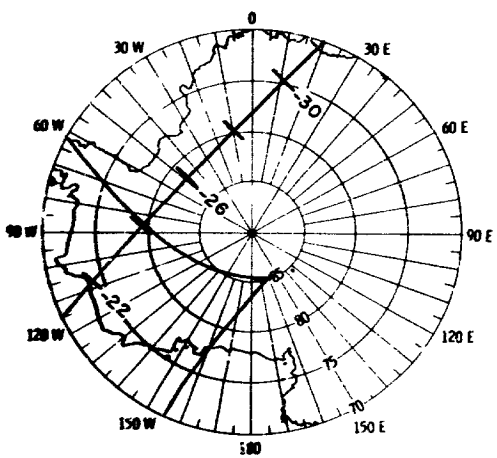


DATA ORBIT

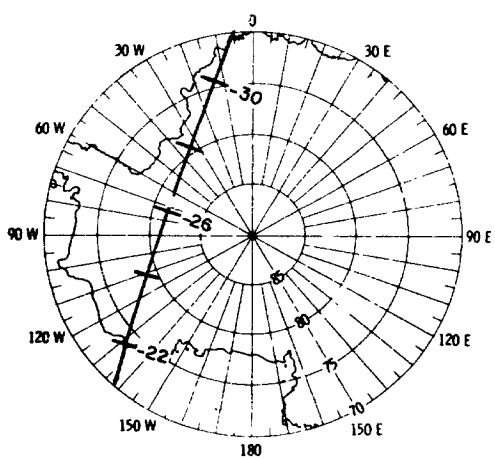


SOUTH POLAR REGIONS

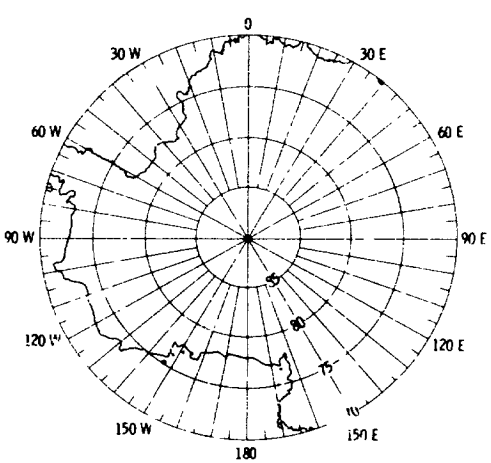
DATA ORBIT 183



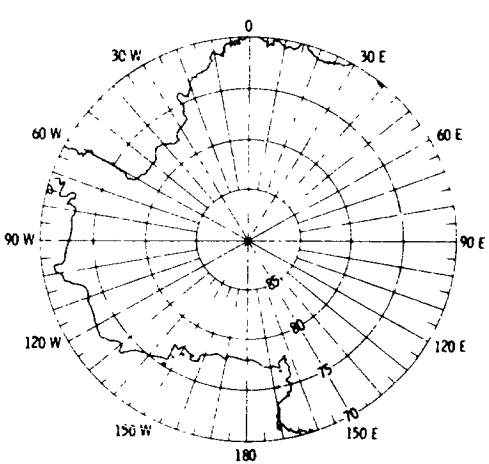
DATA ORBIT 184



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 9 Track 6

DATA ORBIT 176/177
DATE 9 September 1964
ASC. NODE 09 43 05 UT
28.63 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-178-60510	1	09 51 58	+ 8.9	683	62	1	N. Libya Cst.	MOSTLY CLEAR
	1					2	N. Libya Cst.	
	1					3	N. Egypt Cst	
2-178-60510	2	09 50 27	+ 7.4	707	68	1		
	2					2		
	2					3		
3-178-60510	3	09 48 56	+ 5.9	731	73	1		
	3					2		
	3					3		
4-178-60510	4	09 47 25	+ 4.3	754	78	1		CUFM Some Cb
	4					2		
	4					3		
5-178-60510	5	09 45 54	+ 2.8	777	82	1		
	5					2		
	5					3		
6-178-60510	6	09 44 23	+ 1.3	800	8.	1		
	6					2		
	6					3		
7-178-60510	7	09 42 52	- 0.2	821	82	1		
	7					2	Lake Edward	
	7					3		
8-178-60510	8	09 41 21	- 1.7	842	78	1		CUFM Some Streets Large Clear Areas
	8					2	Lake Tanganyika	
	8					3		
9-178-60510	9	09 39 50	- 3.3	861	73	1		
	9					2		
	9					3	Lake Nyasa	
10-178-60510	10	09 38 19	- 4.8	879	68	1	Lake Kariba	
	10					2		
	10					3	Mozambique Cst.	
11-178-60510	11	09 36 48	- 6.3	896	63	1		
	11					2	Mozambique Cst., Save River	
	11					3	Madagascar	
12-178-60510	12	09 35 17	- 7.8	911	58	1	South Africa Cst.	FRONTAL BANDS
	12					2	Mozambique Cst.	
	12					3	S. Madagascar	
13-178-60510	13	09 33 46	- 9.3	924	53	1	South Africa Cst.	
	13					2		
	13					3		
14-178-60510	14	09 32 15	-10.8	935	48	1		
	14					2		
	14					3		
15-178-60510	15	09 30 44	-12.4	943	43	1		
	15					2		
	15					3		
16-178-60510	16	09 29 13	-13.9	951	37	1		
	16					2		
	16					3		
17-178-60510	17	09 27 42	-15.4	955	32	1		
	17					2		
	17					3		
18-178-60510	18	09 26 11	-16.9	957	27	1		
	18					2		
	18					3		
19-178-60510	19	09 24 40	-18.4	958	22	1		
	19					2		
	19					3		
20-178-60510	20	09 23 09	-19.9	955	17	1	ANTARCTICA	SOME CLOUDINESS
	20					2		
	20					3		
21-178-60510	21	09 21 38	-21.5	950	12	1		
	21					2		
	21					3		
22-178-60510	22	09 20 07	-23.0	943	7	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 9 Track 10

DATA ORBIT 180 181
DATE 9 September 1964
ASC NODE 16 to 50 UT
69.79 W LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-182-03513	1 1 1	16 39 51	+23.0	487	9	1 2 3	Arctic Ice	APPARENT THIN CLOUDS
2-182-03513	2 2 2	16 38 20	+21.5	504	15	1 2 3	Parry Is. Sverdrup Is.	
3-182-03513	3 3 3	16 36 49	+20.0	523	22	1 2 3	Somerset, Devon & Baffin Is.	Cufm & Ci Streaks Apparent Thin Clouds Small Cufm
4-182-03513	4 4 4	16 35 18	+18.5	541	27	1 2 3		CUFM Streets Cellular
5-182-03513	5 5 5	16 33 4	+17.0	562	33	1 2 3		
6-182-03513	6 6 6	16 32 [illegible]	+15.4	581	38	1 2 3		BANDS
7-182-03513	7 7 7	16 30 45	+13.9	602	43	1 2 3		Bands Bands Mostly Clear
8-181-03512	8 8 8	16 26 20	+ 9.5	670	60	1 2 3		HURRICANE DORA
9-181-03512	9 9 9	16 24 49	+ 8.0	693	65	1 2 3		
10-181-03512	10 10 10	16 23 18	+ 6.5	717	71	1 2 3	Cuba Bahama Is.	

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 9 Track 11

DATA ORBIT 181/182
DATE 9 September 1964
ASC NODE 17 55 16 UT
94 39 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-183-60504	1	18 18 47	+23.5	484	7	1	ARCTIC	THIN CLOUDS
	1					2	Ice & Snow	
	1					3		
2-183-60504	2	18 17 16	+22.0	497	11	1		
	2					2		
	2					3		
3-183-60504	3	18 15 45	+20.5	515	21	1		CUFM & STFM
	3					2		Some Ci Bands
	3					3		
4-183-60504	4	18 14 14	+19.0	533	25	1		
	4					2		
	4					3		
5-183-60504	5	18 12 43	+17.5	553	31	1	Mackenzie River	Mostly Clear
	5					2	Great Slave Lake	Cu Streets & Ci Bands
	5					3	Numerous Lakes	Small Cu
6-183-60504	6	18 11 12	+15.9	573	36	1		
	6					2		MULTI-LAYERED
	6					3		Some Cu Streets
7-183-60504	7	18 09 41	+14.4	594	42	1		
	7					2		
	7					3		
8-183-60504	8	18 08 10	+12.9	616	48	1		Small Cu
	8					2		Bands
	8					3		Bands
9-183-60504	9	18 06 39	+11.4	638	53	1	Great Salt Lake	Cufm
	9					2		Cufm
	9					3		Mostly Clear
10-182-03513	10	17 57 33	+ 2.3	780	83	1		CUFM
	10					2		Some Cb
	10					3		
11-182-03513	11	17 56 02	+ 0.8	802	84	1		ITC
	11					2		
	11					3		
12-182-03513	12	17 54 31	- 0.8	824	81	1		CONSIDERABLE CLOUDINESS
	12					2		Mainly Cufm
	12					3		Some Large Cells
13-182-03513	13	17 53 00	- 2.3	844	76	1		Cellular
	13					2		
	13					3		
14-182-03513	14	17 51 29	- 3.8	864	71	1		
	14					2		
	14					3		
15-182-03513	15	17 49 58	- 5.3	881	66	1		
	15					2		
	15					3		
16-182-03513	16	17 48 27	- 6.8	898	61	1		
	16					2		
	16					3		
17-182-03513	17	17 46 56	- 8.3	913	56	1		FRONTAL BANDS
	17					2		
	17					3		
18-182-03513	18	17 45 25	- 9.9	925	51	1	CHILE	
	18					2	Snow on Andes	
	18					3		
19-182-03513	19	17 43 54	-11.4	936	46	1		
	19					2		
	19					3		
20-182-03513	20	17 42 23	-12.9	945	41	1		
	20					2		
	20					3		
21-182-03513	21	17 40 52	-14.4	951	36	1	SOUTH AMERICA	
	21					2	S. Area	
	21					3	Snow on Andes	
22-182-03513	22	17 39 21	-15.9	956	31	1		
	22					2		
	22					3		
23-182-03513	23	17 37 50	-17.4	957	25	1		
	23					2		
	23					3		
24-182-03513	24	17 36 19	-19.0	957	20	1	ANTARCTICA	SOME CLOUDINESS
	24					2	Palmer Pen.	
	24					3	Filchner Ice Shelf	
25-182-03513	25	17 34 48	-20.5	953	14	1		
	25					2		
	25					3		
26-182-03513	26	17 33 17	-22.0	948	9	1		
	26					2		
	26					3		
27-182-03513	27	17 31 46	-23.5	940	4	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 9 Track 12

DATA ORBIT 182 183
DATE 9 September 1964
ASC NODE 19 33 42 UT
119.00 W LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-184-60507	1	19 55 48	+22.1	496	12	1	Arctic Ice	Thin Clouds
	1					2		Thin Clouds
	1					3	Arctic Ice	Mostly Clear
2-183-60504	2	19 48 13	+14.5	589	30	1		Multi-layered
	2					2	Queen Charlotte Is	Multi-layered
	2					3	British Columbia Cst., Snow on Mts	Mostly Clear
3-183-60504	3	19 46 42	+13.0	614	47	1		Multi-layered
	3					2		Mostly Small Cu
	3					3	Vancouver I., Puget Sound	Mostly clear
4-183-60504	4*	19 45 11	+11.5	637	53	1		
	4					2		Small Cu
	4*					3		
5-183-60504	5	19 43 10	+10.0	661	58	1		
	5					2		CUFM
	5					3	California	Large Cells
6-183-60504	6	19 42 09	+ 8.5	681	64	1		Cellular
	6					2		Mostly Covered
	6					3	Baja California	
7-183-60504	7	19 40 38	+ 7.0	708	69	1		
	7					2		
	7					3	Baja California	
8-183-60504	8	19 39 07	+ 5.4	732	74	1		
	8					2		
	8					3		
9-183-60504	9	19 37 36	+ 3.9	755	79	1		
	9					2		
	9					3		
10-183-60504	10	19 36 05	+ 2.6	778	83	1		
	10					2		ITC
	10					3		
11-183-60504	11	19 34 34	+ 0.9	801	84	1		
	11					2		
	11					3		
12-183-60504	12	19 33 03	- 0.5	822	81	1		
	12					2		CUFM
	12					3		Large Cells
13-183-60504	13	19 31 32	- 2.2	843	77	1		Some Fibrous
	13					2		
	13					3		
14-183-60504	14	19 30 01	- 3.7	862	72	1		
	14					2		
	14					3		
15-183-60504	15	19 28 30	- 5.2	881	67	1		
	15					2		FRONTAL SYSTEM
	15					3		Vortex Vicinity 52 S
16-183-60504	16	19 26 59	- 6.7	896	62	1		
	16					2		
	16					3		
17-183-60504	17	19 25 28	- 8.2	912	56	1		
	17					2		
	17					3		
18-183-60504	18	19 23 57	- 9.7	925	51	1		
	18					2		
	18					3		
19-183-60504	19	19 22 26	-11.3	936	47	1		
	19					2		
	19					3		
20-183-60504	20	19 20 55	-12.8	945	41	1		
	20					2		
	20					3		
21-183-60504	21	19 19 24	-14.3	952	36	1		
	21					2		
	21					3		
22-183-60504	22	19 17 53	-15.8	956	31	1		
	22					2		
	22					3		
23-183-60504	23	19 16 22	-17.3	958	26	1		
	23					2		
	23					3		
24-183-60504	24	19 14 51	-18.8	957	21	1		
	24					2		
	24					3		
25-183-60504	25	19 13 20	-20.4	955	15	1		
	25					2	ANTARCTICA	
	25					3	Palmer Pen.	
26-183-60504	26	19 11 49	-21.9	950	0	1	Filchner Ice Shelf	
	26					2		THIN CLOUDS
	26					3		
27-183-60504	27	19 10 18	-23.4	942	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 9 Track 15

DATA ORBIT 185 184
DATE 9 September 1964
ASC NODE 21 12 06 UT
143 60 W LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURE	METEOROLOGICAL CONTENTS
1-184-60507	1	21 25 07	+13.0	912	17	1		BANDS Mostly Cufm
	1					2		
	1					3		
2-184-60507	2	21 23 46	+11.5	830	32	1		
	2					2		
	2					3		
3-184-60507	3	21 22 05	+10.0	691	38	1		
	3					2		
	3					3		
4-184-60507	4	21 20 31	+ 8.1	683	63	1		CUFM Some Large Cells
	4					2		
	4					3		
5-184-60507	5	21 19 33	+ 6.9	707	69	1		
	5					2		
	5					3		
6-184-60507	6	21 17 32	+ 5.4	730	71	1		
	6					2		
	6					3		
7-184-60507	7	21 16 01	+ 3.9	754	79	1		BANDS
	7					2		
	7					3		
8-184-60507	8	21 14 30	+ 2.4	776	83	1		
	8					2		
	8					3		
9-184-60507	9	21 12 59	+ 0.9	799	84	1	Possible Sun Glint	LINES OF SMALL CU Some Large Cells
	9					2		
	9					3		
10-184-60507	10	21 11 28	- 0.7	820	81	1	Possible Sun Glint	
	10					2		
	10					3		
11-184-60507	11	21 09 57	- 2.2	841	77	1		CUFM
	11					2		
	11					3		
12-184-60507	12	21 08 26	- 3.7	863	72	1		
	12					2		
	12					3		
13-184-60507	13	21 06 55	- 5.2	877	67	1		
	13					2		
	13					3		
14-184-60507	14	21 05 21	- 6.7	896	62	1		BANDS Vortex Vicinity 63 S Possible Storm Area Vicinity 35 S Large Fields of Cellular Cu Some Streaks
	14					2		
	14					3		
15-184-60507	15	21 03 53	- 8.3	909	57	1		
	15					2		
	15					3		
16-184-60507	16	21 02 22	- 9.8	924	51	1		
	16					2		
	16					3		
17-184-60507	17	21 00 51	-11.3	935	46	1		
	17					2		
	17					3		
18-184-60507	18	20 59 20	-12.8	943	41	1		
	18					2		
	18					3		
19-184-60507	19	20 57 49	-14.3	952	36	1		
	19					2		
	19					3		
20-184-60507	20	20 56 18	-15.8	956	31	1		
	20					2		
	20					3		
21-184-60507	21	20 54 47	-17.4	958	26	1		
	21					2		
	21					3		
22-184-60507	22	20 53 16	-18.8	958	21	1		
	22					2		
	22					3		
23-184-60507	23	20 51 45	-20.4	955	16	1		THIN CLOUDS
	23					2		
	23					3		
24-184-60507	24	20 50 11	-21.9	950	11	1	ANTARCTICA	
	24					2		
	24					3		
25-184-60507	25	20 48 13	-23.4	942	5	1		
	25					2		
	25					3		

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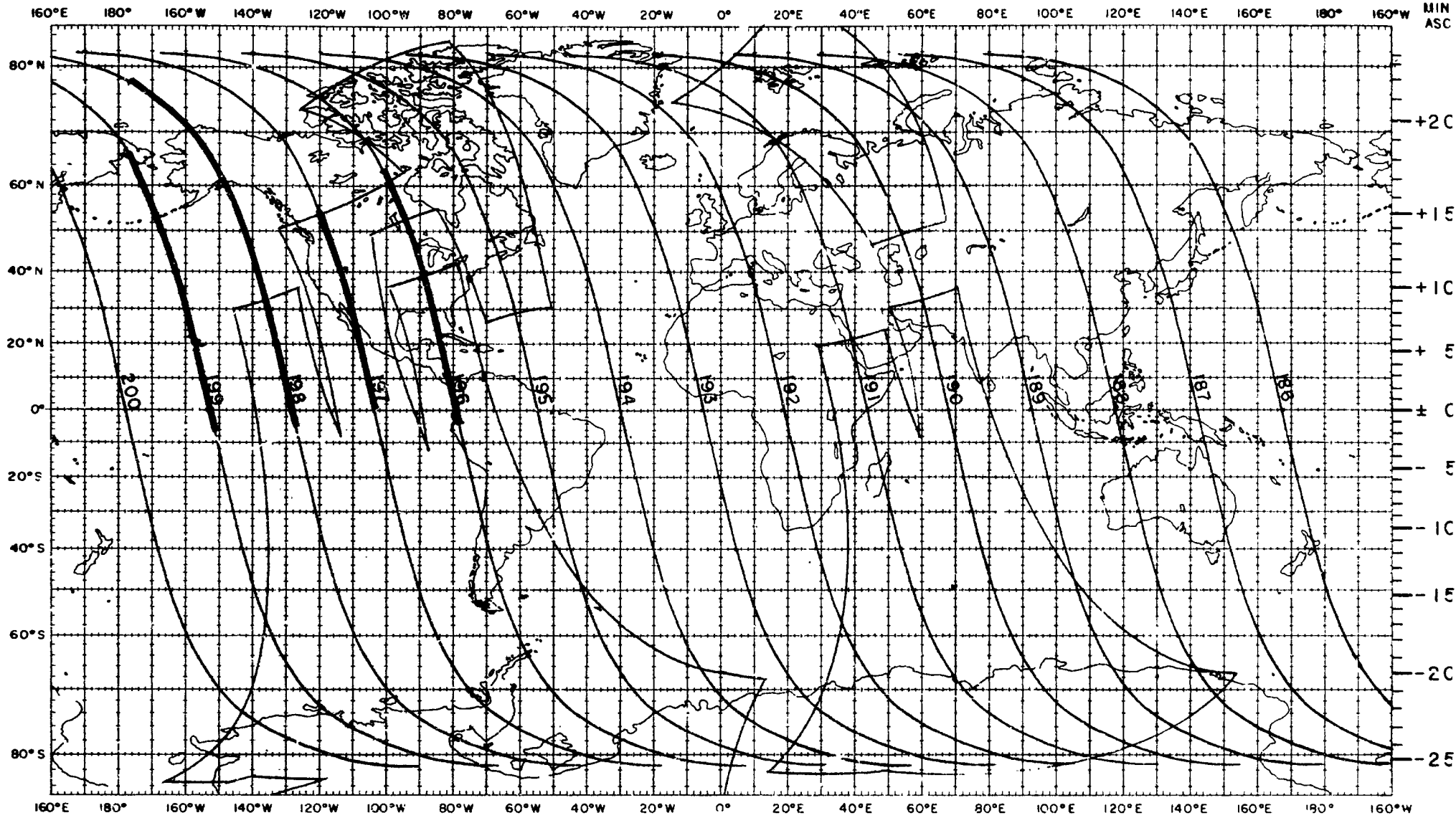
NIMBUS I DOCUMENTATION

10 September 1964

Orbits 185 through 200

AVCS DAILY COVERAGE MAP

10 SEPTEMBER 1964
ORBITS 185 TO 200

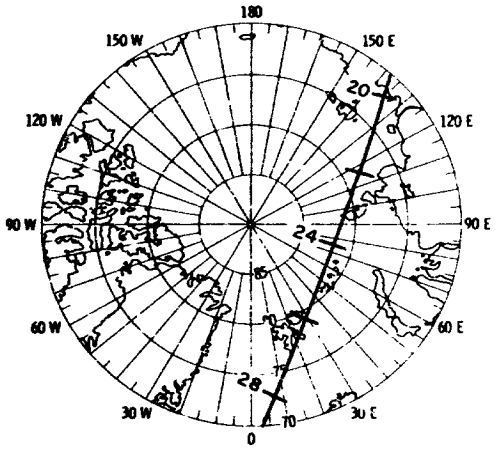


POLAR COVERAGE MAPS

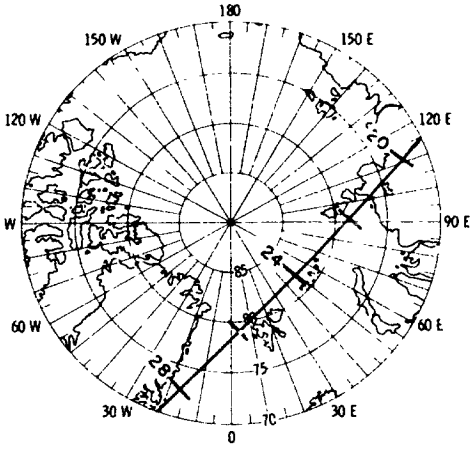
10 SEPTEMBER 1964

NORTH POLAR REGIONS

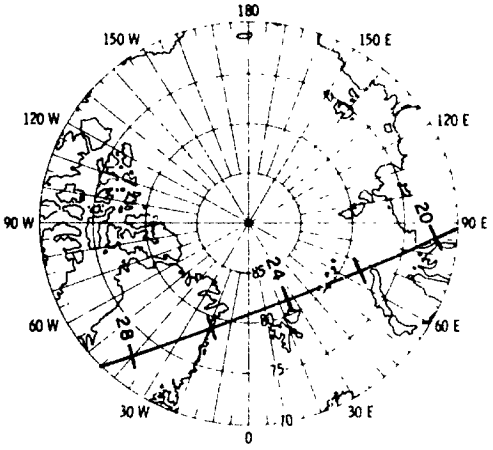
DATA ORBIT 186



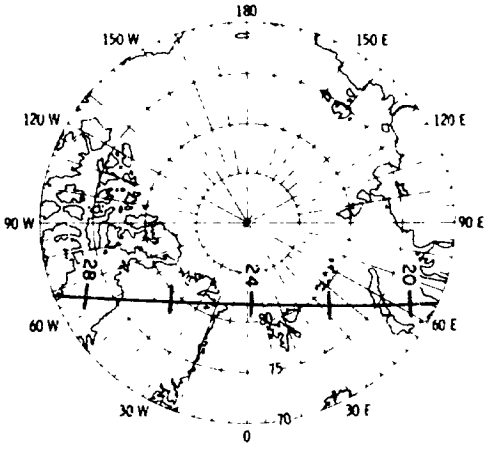
DATA ORBIT 187



DATA ORBIT 188

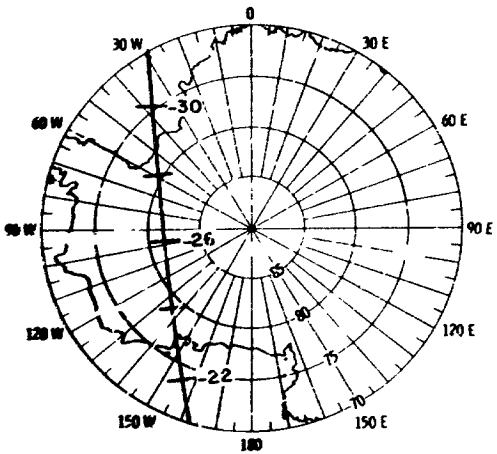


DATA ORBIT 189

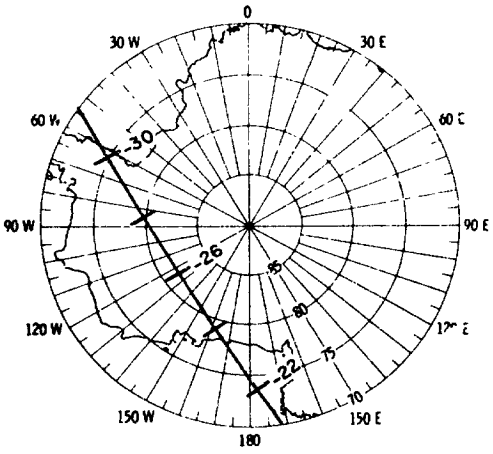


SOUTH POLAR REGIONS

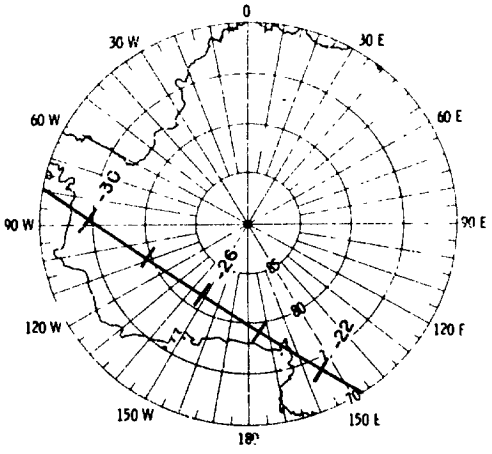
DATA ORBIT 185



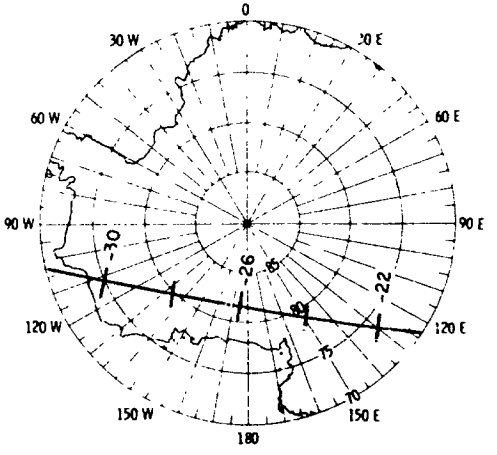
DATA ORBIT 186



DATA ORBIT 187



DATA ORBIT 188

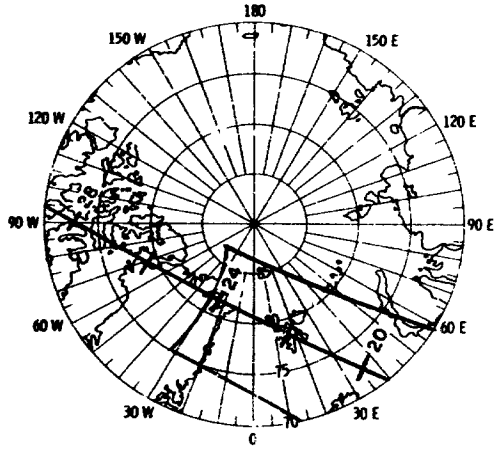


POLAR COVERAGE MAPS

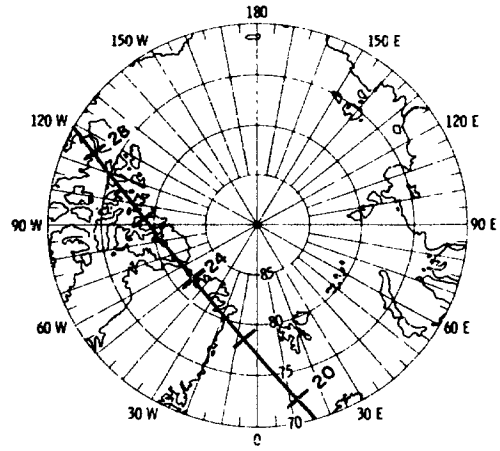
10 SEPTEMBER 1964

NORTH POLAR REGIONS

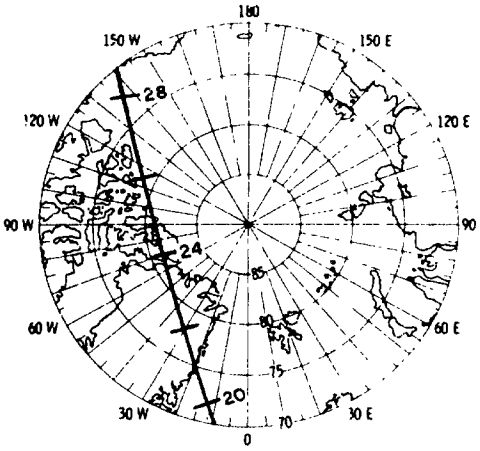
DATA ORBIT 190



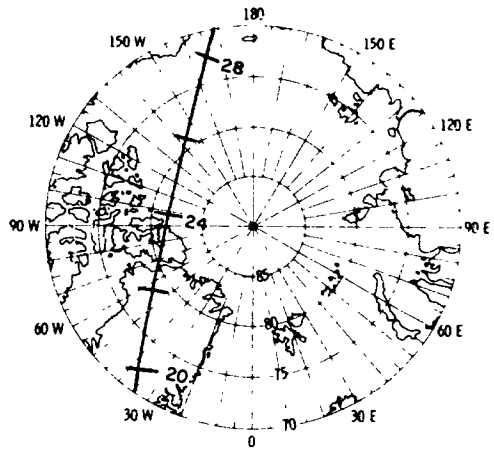
DATA ORBIT 191



DATA ORBIT 192

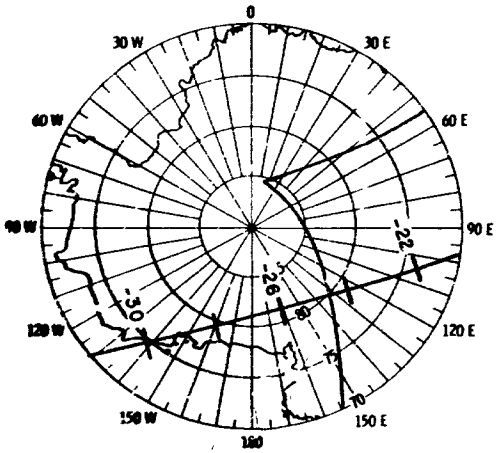


DATA ORBIT 193

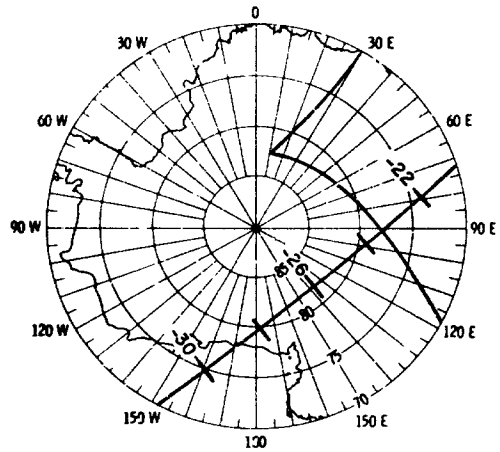


SOUTH POLAR REGIONS

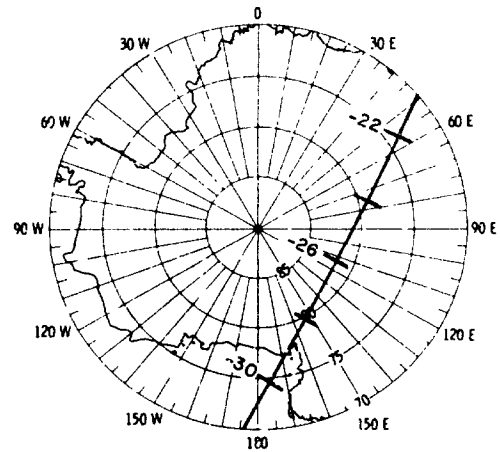
DATA ORBIT 189



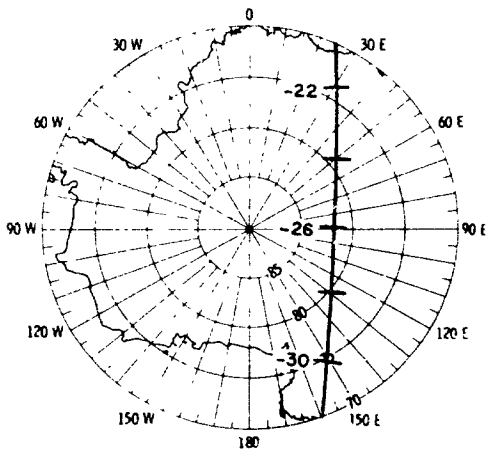
DATA ORBIT 190



DATA ORBIT 191



DATA ORBIT 192

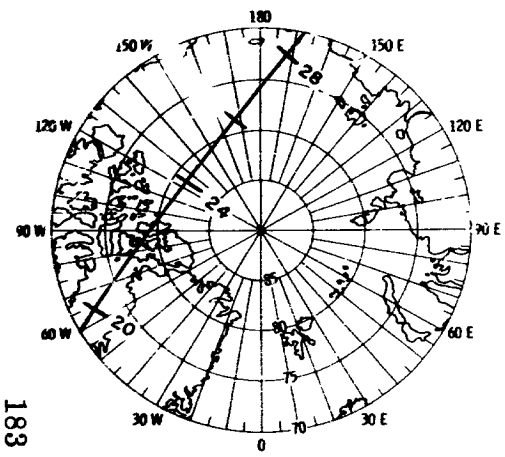


POLAR COVERAGE MAPS

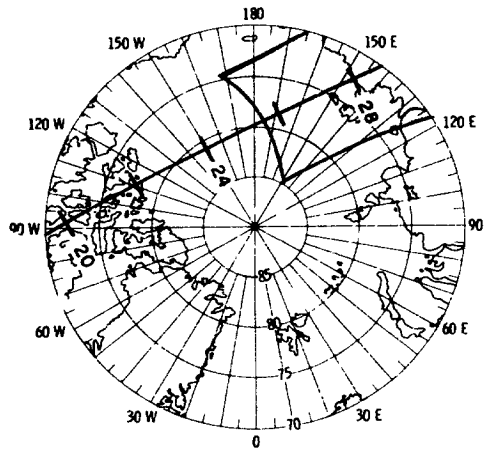
10 SEPTEMBER 1964

NORTH POLAR REGIONS

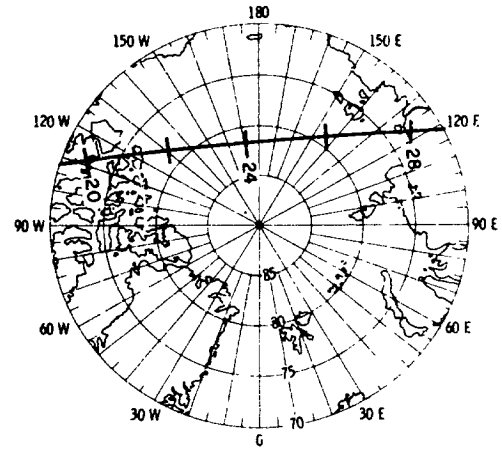
DATA ORBIT 194



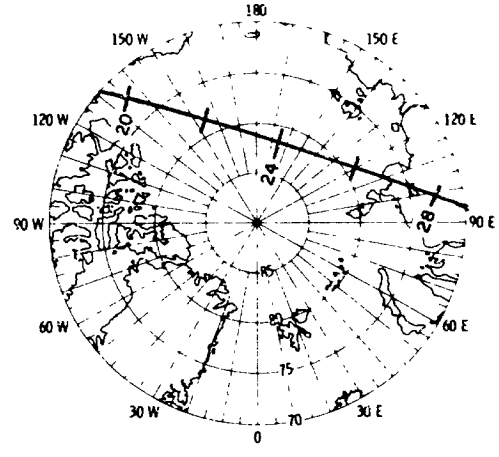
DATA ORBIT 195



DATA ORBIT 196

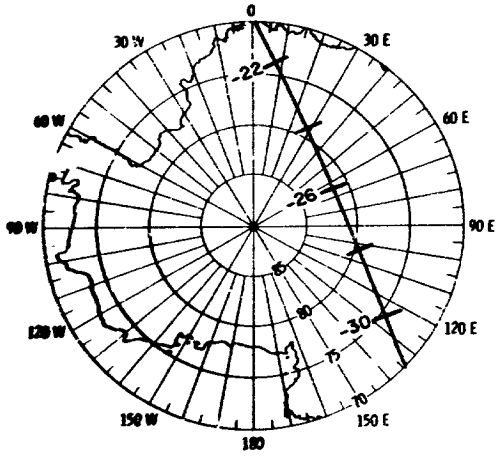


DATA ORBIT 197

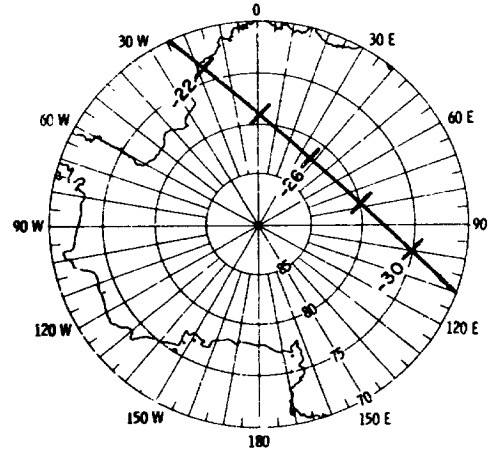


SOUTH POLAR REGIONS

DATA ORBIT 193



DATA ORBIT 194



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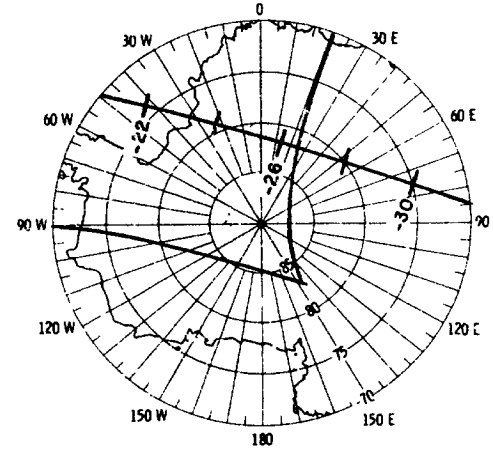
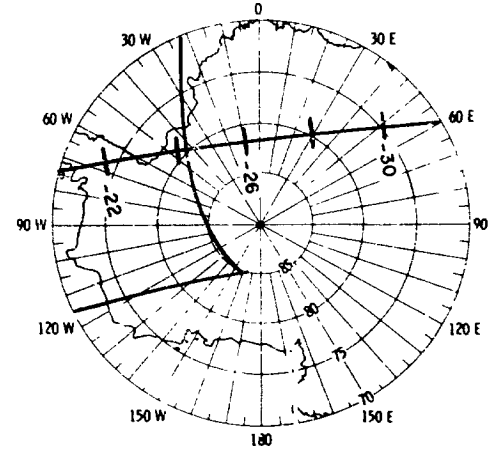


DATA ORBIT 196

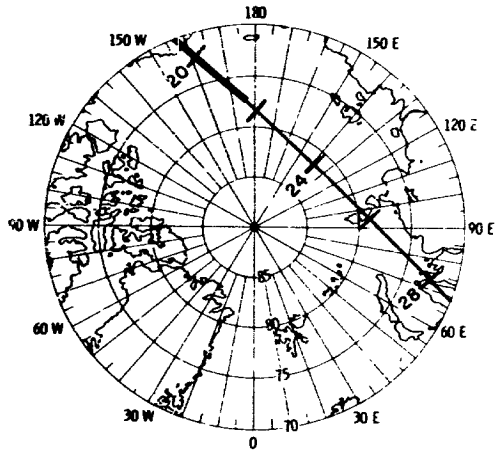


POLAR COVERAGE MAPS

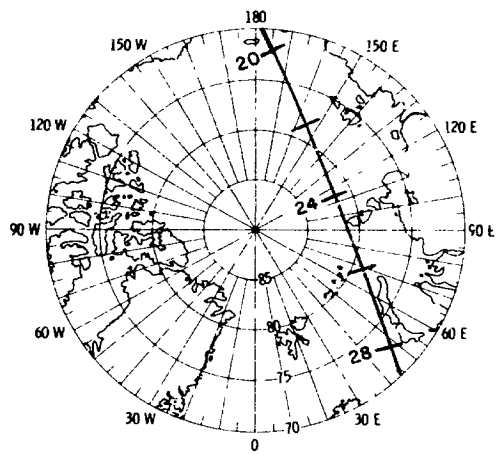
10 SEPTEMBER 1964

NORTH POLAR REGIONS

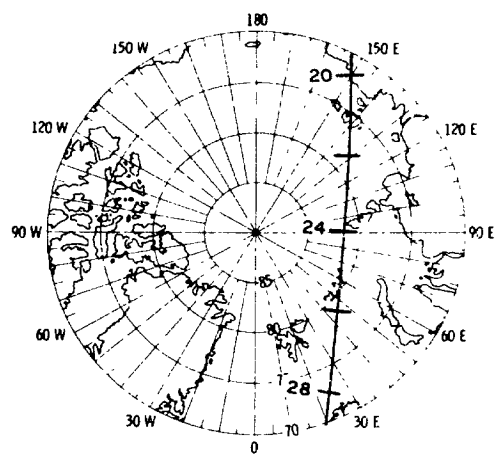
DATA ORBIT 198



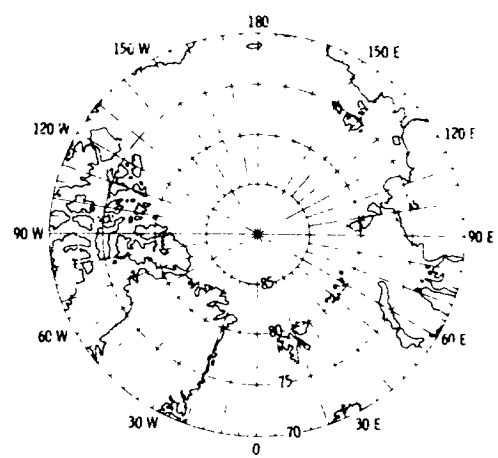
DATA ORBIT 199



DATA ORBIT 200

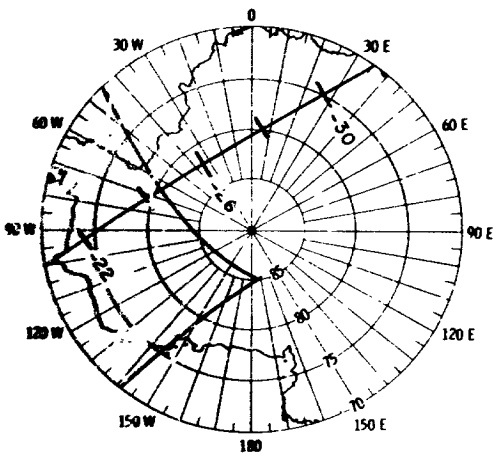


DATA ORBIT

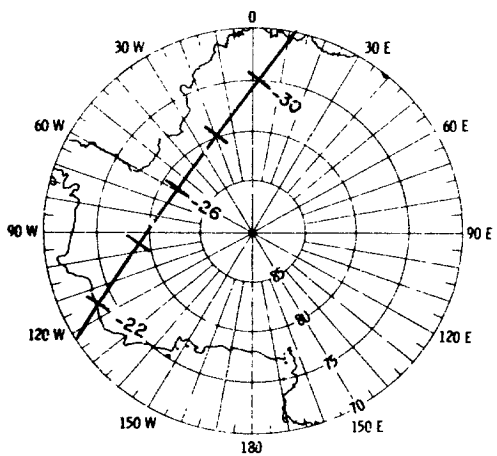


SOUTH POLAR REGIONS

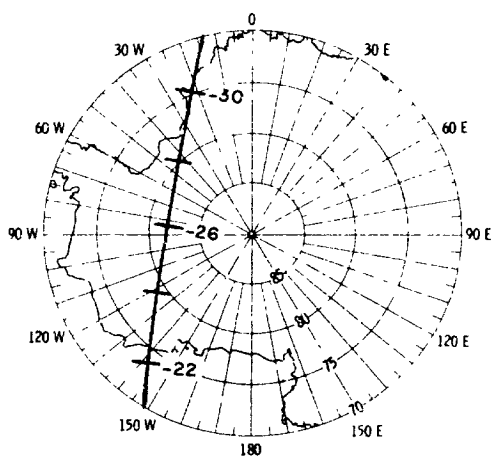
DATA ORBIT 197



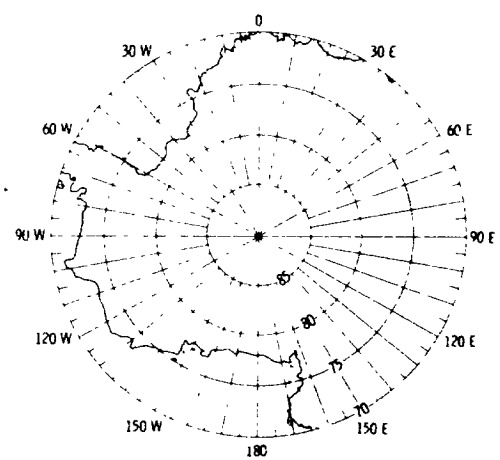
DATA ORBIT 198



DATA ORBIT 199



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 10 Track 4

DATA ORBIT 189/190
DATE 10 September 1964
ASC. NODE 07 02 44 UT
68.78 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-191-60518	1	07 26 17	+23 6	478	6	1	N. E. Greenland Cst.	
	1					2		BANDS
	1					3	Arctic Ice	
2-191-60518	2	07 24 46	+22.0	493	12	1		
	2					2		
	2					3	Arctic Ice	
3-191-60518	3	07 23 15	+20.5	508	18	1		
	3					2		
	3					3		
4-191-60518	4	07 21 44	+19.0	525	24	1		
	4					2		
	4					3	Kolguyev I.	
5-191-60518	5	07 20 13	+17.5	545	30	1		
	5					2		
	5					3		
6-191-60518	6	07 18 42	+16 0	565	35	1		
	6					2		
	6					3		
7-191-60518	7	07 17 11	+14.5	586	41	1	Ural River	
	7					2	Ural River	
	7					3		
8-192-60538	8	07 11 07	+ 8 4	677	64	1	Iran, Persian Gulf	
	8					2	Sistan Lakes	MOSTLY CLEAR
	8					3	Afghanistan, Helmand River	
9-192-60538	9	07 09 36	+ 6.9	701	69	1	Gulf of Oman	
	9					2	Iran - Pakistan Cst.	
	9					3	Pakistan Cst.	
10-192-60538	10	07 08 05	+ 5.4	725		1		Bands
	10					2		Small Cu
	10					3		Small Cu
11-192-60538	11	07 06 34	+ 3.8	749	79	1		
	11					2		STORM AREA
	11					3		
12-192-60538	12	07 05 03	+ 2.3	772	83	1		
	12					2		
	12					3		
13-192-60538	13	07 03 32	+ 0.8	795	84	1		
	13					2		BANDS
	13					3		Cu Bands & Streaks
14-192-60538	14	07 02 01	- 0.7	817	81	1		Small Lines of Cu
	14					2		
	14					3		
15-192-60538	15	07 00 30	- 2.2	838	77	1		
	15					2		
	15					3		
16-192-60538	16	06 58 59	- 3.8	857	72	1		
	16					2		
	16					3		
17-192-60538	17	06 57 28	- 5.3	876	67	1		
	17					2		FRONTAL BANDS
	17					3		Cellular Cu Fields
18-192-60538	18	06 55 57	- 6.8	893	62	1		Some Streaks
	18					2		
	18					3		
19-192-60538	19	06 54 26	- 8.3	908	57	1		
	19					2		
	19					3		
20-192-60538	20	06 52 55	- 9.8	922	51	1		
	20					2		
	20					3		
21-192-60538	21	06 51 24	-11.3	934	46	1		
	21					2		
	21					3		
22-192-60538	22	06 49 53	-12.9	943	41	1		
	22					2		
	22					3		
23-192-60538	23	06 48 22	-14.4	951	36	1		
	23					2		
	23					3		
24-192-60538	24	06 46 51	-15.9	956	31	1		
	24					2		
	24					3		
25-192-60538	25	06 45 20	-17.4	958	25	1		
	25					2		
	25					3		
26-192-60538	26	06 43 49	-18.9	958	20	1		
	26					2		
	26					3		
27-192-60538	27	06 42 18	-20.4	956	15	1		
	27					2	ANTARCTICA	APPARENT CLOUDS
	27					3		
28-192-60538	28	06 40 47	-22.0	951	10	1		
	28					2		
	28					3		
29-192-60538	29	06 39 16	-23.5	944	5	1		
	29					2		
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 10 Track 5

DATA ORBI: 190/191
DATE 10 September 1964
ASC. NODE 09 41 10 GT
44.17 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-191-60518	1	08 46 27	+ 3.3	725	74	1	Sudan Cst., Nile River	MOSTLY CLEAR Small Cu over Land
	1					2	Red Sea	
	1					3	Saudi Arabia	
2-191-60518	2	08 44 56	+ 3.8	749	79	1		
	2					2	S. Red Sea, Ethiopia Cst.	
	2					3	Gulf of Aden	
3-191-60518	3	08 43 25	+ 2.3	772	83	1		
	3					2		
	3					3	Somali Republic	
4-191-60518	4	08 41 34	+ 0.7	795	84	1		
	4					2	Somali Republic Cst.	
	4					3	Somali Republic Cst.	
5-191-60518	5	08 40 23	- 0.8	817	81	1	Kenya Cst.	CUFM & STFM Many Ci Streaks
	5					2		
	5					3		
6-191-60518	6	08 38 52	- 2.3	838	76	1	Tanganyika Cst.	
	6					2		
	6					3		
7-191-60518	7	08 37 21	- 3.8	858	73	1	Mozambique Cst.	CUFM Streets over Madagascar Fibrous Streaks
	7					2	N. Madagascar	
	7					3		
8-191-60518	8	08 35 50	- 5.3	876	67	1	Mozambique Channel	
	8					2	Madagascar	
	8					3		
9-191-60518	9	08 34 19	- 6.9	893	61	1	S. Madagascar	CUFM Cellular Large Cells Some Streaks
	9					2	S. Madagascar	
	9					3		
10-191-60518	10	08 32 [illegible]	- 8.4	909	56	1		
	10					2		
	10					3		
11-191-60518	11	08 31 17	- 9.9	922	51	1		
	11					2		
	11					3		
12-191-60518	12	08 29 46	-11.4	934	46	1		FRONTAL BANDS
	12					2		
	12					3		
13-191-60518	13	08 28 15	-12.9	943	41	1		
	13					2		
	13					3		
14-191-60518	14	08 26 44	-14.4	951	36	1		
	14					2		
	14					3		
15-191-60518	15	08 25 13	-16.0	956	31	1		BANDS Some Eddies
	15					2		
	15					3		
16-191-60518	16	08 23 42	-17.5	958	26	1		
	16					2		
	16					3		
17-191-60518	17	08 22 11	-19.0	959	20	1		
	17					2		
	17					3		
18-191-60518	18	08 20 40	-20.5	956	15	1	ANTARCTICA	
	18					2		
	18					3		
19-191-60518	19	08 19 09	-22.0	952	10	1		APPARENT THIN CLOUDS
	19					2		
	19					3		
20-191-60518	20	08 17 38	-23.5	945	5	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September. 10 Track 9

DATA ORBIT 194/195
DATE 10 September 1964
ASC. NODE 15 14 54 GT
54.24 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-196-60545	1	15 36 [illegible]	+22.0	489	12	1		MOSTLY CLOUD COVERED Apparent Large Storm Area Bands Visible
	1					2		
	1					3		
2-196-60545	2	15 35 25	+20.5	504	18	1		
	2					2		
	2					3		
3-196-60545	3	15 33 54	+19.0	522	24	1		
	3					2		
	3					3		
4-196-60545	4	15 32 23	+17.5	541	30	1		
	4					2		
	4					3		
5-196-60545	5	15 30 52	+16.0	560	35	1		
	5					2		
	5					3		
6-196-60545	6	15 29 21	+14.5	582	41	1		
	6					2		
	6					3	Labrador, Lake Melville	
7-196-60545	7	15 27 50	+12.9	603	47	1		FRONTAL BANDS
	7					2	E. New Brunswick Cst., Chaleur Bay	
	7					3	Nova Scotia & Newfoundland	
8-196-60545	8	15 26 19	+11.4	625	52	1		
	8					2		
	8					3		
9-196-60545	9	15 24 48	+ 9.9	649	58	1		
	9					2		
	9					3		
10-196-60545	10	15 23 17	+ 8.4	672	63	1		BANDS Apparent Over-running from Hurricane Ethel
	10					2		
	10					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 10 Track 10

DATA ORBIT 195/196
DATE 10 September 1964
ASC. NODE 16 53 19 UT
78.85 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-196-60545	1	17 09 41	+16.4	554	34	1		BANDS Numerous Cu Streets
	1					2		
	1					3		
2-196-60545	2	17 08 1	+14.9	575	39	1		
	2					2		
	2					3		
3-196-03529	3	17 03 37	+10.3	641	5e	1		Mostly Clear
	3					2	Mississippi - Ohio River Valley	Mostly Clear
						3		Cu over Mts.
4-196-03529	4	17 02 06	+ 8.8	665	62	1	Gulf Cst. of U.S.	
	4					2	Gulf Cst. of U.S.	HURRICANE DORA
	4					3		
5-196-03529	5	17 00 35	+ 7.3	690	67	1		
	5					2		
	5					3		
6-196-03529	6	16 59 04	+ 5.8	713	73	1	Yucatan	
	6					2	Cuba	MOSTLY CLEAR Small Cu over Land Some Cb
	6					3	Cuba	
7-196-03529	7	16 57 33	+ 4.3	737	78	1	Honduras	
	7					2	Honduras - Nicaragua Cst	
	7					3	Jamaica	
8-196-03529	8	16 56 02	+ 2.7	761	82	1		
	8					2	Panama	
	8					3	N. Columbia Cst.	
9-196-03529	9	16 54 31	+ 1.2	784	84	1		
	9					2	SOUTH AMERICA W. Area Snow on Andes	WEAK ITC
	9					3		
10-196-03529	10	16 53 00	- 0.3	806	83	1		
	10					2		
	10					3		
11-196-03529	11	16 51 29	- 1.8	827	78	1		
	11					2		CUFM Large Cellular Field over Water Streets & Streaks over Land
	11					3		
12-196-03529	12	16 49 58	- 3.4	848	73	1		
	12					2		
	12					3		
13-196-03529	13	16 48 27	- 4.9	867	68	1		
	13					2		
	13					3		
14-196-03529	14	16 46 56	- 6.4	884	63	1		
	14					2		
	14					3		
15-196-03529	15	16 45 25	- 7.9	901	58	1		Cellular Cu
	15					2		St along Cst.
	15					3		Cufm
16-196-03529	16	16 43 54	- 9.4	916	53	1		Cellular Cu
	16					2		Mostly Clear
	16					3		Cufm
17-196-03529	17	16 42 23	-10.9	929	48	1		
	17					2	SOUTH AMERICA S. Area Snow on Andes	BANDS Vortex Vicinity 42 S Eddies Streaks
	17					3		
18-196-03529	18	16 40 52	-12.5	939	43	1		
	18					2		
	18					3		
19-196-03529	19	16 39 21	-14.0	947	37	1		
	19					2		
	19					3		
20-196-03529	20	16 37 50	-15.5	954	32	1		
	20					2		
	20					3		
21-196-03529	21	16 36 19	-17.0	958	27	1		
	21					2		
	21					3		
22-196-03529	22	16 34 48	-18.5	959	22	1		
	22					2		
	22					3		
23-196-03529	23	16 33 17	-20.0	958	17	1		
	23					2	ANTARCTICA Palmer Pen. Weddell Sea Area	
	23					3		
24-196-03529	24	16 31 46	-21.6	955	12	1		THIN CLOUDS
	24					2		
	24					3		
25-196-03529	25	16 30 15	-23.1	946	6	1		
	25					2		
	25					3		
26-196-03529	26	16 28 44	-24.6	939	2	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 10 Track 11

DATA ORBIT 196/197
DATE 10 September 1964
ASC. NODE 18 31 45 UT
103.45 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-197-60548	1	18 46 10	+14.4	582	42	1	Coastal Mts., Snow Covered	MOSTLY CLEAR St along Cst. Some Cufm
	1					2	Columbia River Valley, Rocky M's.,Snow Covered	
	1					3		
2-197-60548	2	18 41 39	+12.9	604	47	1	Columbia - Snake River Junction	
	2					2		
	2					3		
3-197-60548	3	18 43 08	+11.4	626	53	1	Pyramid Lake & Carson Sink	
	3					2	Great Salt Lake	
	3					3		
4-197-60548	4	18 41 37	+ 9.9	649	58	1	S. California, Salton Sea	
	4					2	Lake Mead & Colorado River	
	4					3	Rio Grande in New Mexico	
5-197-60548	5	18 40 06	+ 8.4	673	64	1	N. Baja California	Remnants of Tropical Storm Tillie
	5					2	N. W. Mexico	Cufm
	5					3	Rio Grande	Cu & Cb
6-197-60548	6	18 38 35	+ 6.8	697	69	1	Baja California	Vortex - Remnants of Tropical Storm Tillie
	6					2	Baja California & Mexico	Cb & Cu
	6					3	Mexico	Cu
7-197-60548	7	18 37 04	+ 5.3	720	74	1		CUFM Some Cb
	7					2		
	7					3	Mexico	
8-197-60548	8	18 35 33	+ 3.8	743	78	1		
	8					2		
	8					3		
9-197-60548	9	18 34 02	+ 2.3	767	83	1		ITC
	9					2		
	9					3		
10-197-60548	10	18 32 31	+ 0.8	790	84	1		
	10					2		
	10					3		
11-197-60548	11	18 31 00	- 0.8	812	81	1		CUFM Cellular Large Cells Actiniform
	11					2		
	11					3		
12-197-60548	12	18 29 29	- 2.3	833	75	1		
	12					2		
	12					3		
13-197-60548	13	18 27 58	- 3.8	853	71	1		
	13					2		
	13					3		
14-197-60548	14	18 26 27	- 5.3	872	66	1		
	14					2		
	14					3		
15-197-60548	15	18 24 56	- 6.8	890	61	1		FRONTAL SYSTEM Vortex Vicinity 59 S
	15					2		
	15					3		
16-197-60548	16	18 23 25	- 8.4	906	56	1		
	16					2		
	16					3		
17-197-60548	17	18 21 54	- 9.9	920	51	1		
	17					2		
	17					3		
18-197-60548	18	18 20 23	-11.4	932	46	1		
	18					2		
	18					3		
19-197-60548	19	18 18 52	-12.9	942	41	1		
	19					2		
	19					3		
20-197-60548	20	18 17 21	-14.4	950	35	1		
	20					2		
	20					3		
21-197-60548	21	18 15 50	-15.9	955	31	1		
	21					2		
	21					3		
22-197-60548	22	18 14 19	-17.5	958	25	1		
	22					2		
	22					3		
23-197-60548	23	18 12 46	-19.0	959	20	1		
	23					2		
	23					3		
24-197-60548	24	18 11 17	-20.5	957	15	1	ANTARCTICA Palmer Pen. Filchner Ice Shelf	APPARENT CLOUDS Numerous Streaks
	24					2		
	24					3		
25-197-60548	25	18 09 46	-22.0	953	10	1		
	25					2		
	25					3		
26-197-60548	26	18 08 15	-23.5	946	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 10 Track 12

DATA ORBIT 197/198
DATE 10 September 1964
ASC. NODE 20 10 11 GMT
128.05 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	SUN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-198-60551	1	20 18 29	+ 8.2	671	64	1		CUFM Large Cells
	1					2		
	1					3		
2-198-60551	2	20 16 58	+ 6.8	694	69	1		
	2					2		
	2					3		
3-198-60551	3	20 15 27	+ 5.3	718	74	1		CUFM Small Weak Vortex Vicinity 15 N Fibrous Streaks Some Cb
	3					2		
	3					3		
4-198-60551	4	20 13 56	+ 3.8	742	79	1		
	4					2		
	4					3		
5-198-60551	5	20 12 25	+ 2.2	765	83	1		
	5					2		
	5					3		
6-198-60551	6	20 10 54	+ 0.7	789	85	1		SCATTERED CU Some Cb Streets Streaks
	6					2		
	6					3		
7-198-60551	7	20 09 23	- 0.8	812	81	1		
	7					2		
	7					3		
8-198-60551	8	20 07 52	- 2.3	832	77	1		
	8					2		
	8					3		
9-198-60551	9	20 06 21	- 3.8	852	72	1		CUFM Bands Fibrous
	9					2		
	9					3		
10-198-60551	10	20 04 50	- 5.4	872	67	1		
	10					2		
	10					3		
11-198-60551	11	20 03 19	- 6.9	889	61	1		
	11					2		
	11					3		
12-198-60551	12	20 01 48	- 8.4	905	56	1		
	12					2		
	12					3		
13-198-60551	13	20 00 17	- 9.9	920	51	1		BANDS Eddies Streaks Cellular Cu
	13					2		
	13					3		
14-198-60551	14	19 58 46	-11.4	931	46	1		
	14					2		
	14					3		
15-198-60551	15	19 57 15	-12.9	942	41	1		
	15					2		
	15					3		
16-198-60551	16	19 55 44	-14.5	949	36	1		
	16					2		
	16					3		
17-198-60551	17	19 54 13	-16.0	955	31	1		
	17					2		
	17					3		
18-198-60551	18	19 52 42	-17.5	958	26	1		
	18					2		
	18					3		
19-198-60551	19	19 51 11	-19.0	959	20	1		
	19					2		
	19					3		
20-198-60551	20	19 49 40	-20.5	958	15	1		
	20					2		
	20					3		
21-198-60551	21	19 48 09	-22.0	950	10	1	ANTARCTICA	THIN CLOUDS
	21					2		
	21					3		
22-198-60551	22	19 46 38	-23.6	947	5	1		
	22					2		
	22					3		

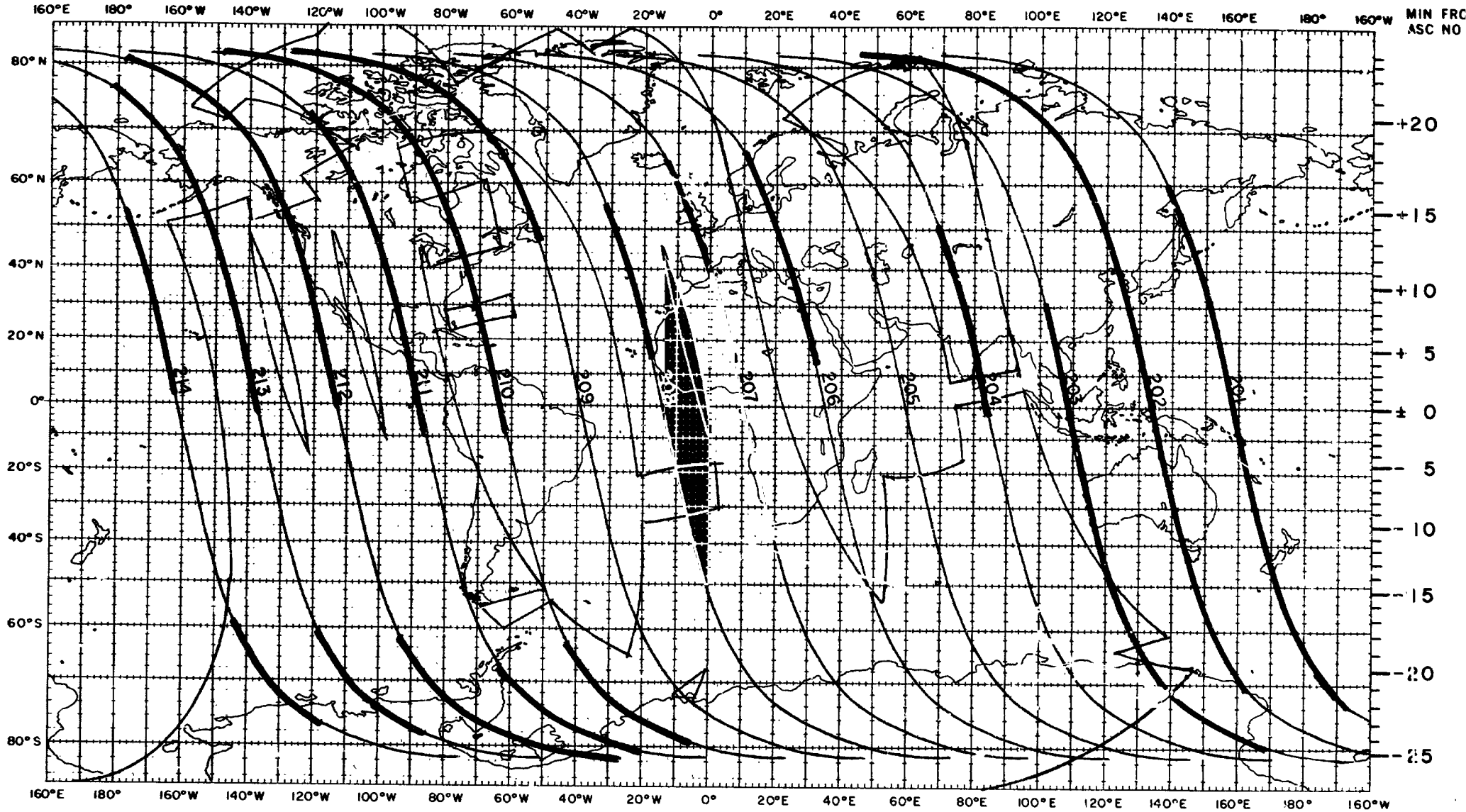
NIMBUS I DOCUMENTATION

11 September 1964

Orbits 200 through 214

AVCS DAILY COVERAGE MAP

11 SEPTEMBER 1964
ORBITS 200 TO 214

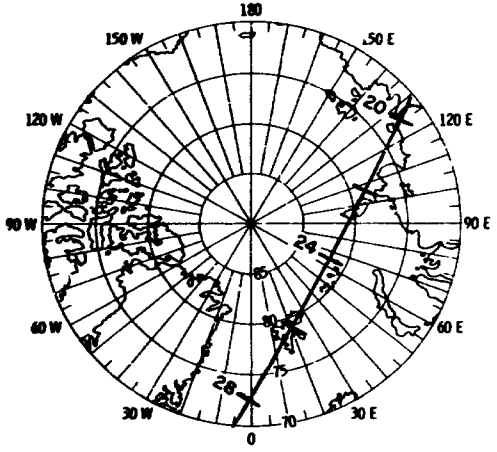


POLAR COVERAGE MAPS

11 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 201



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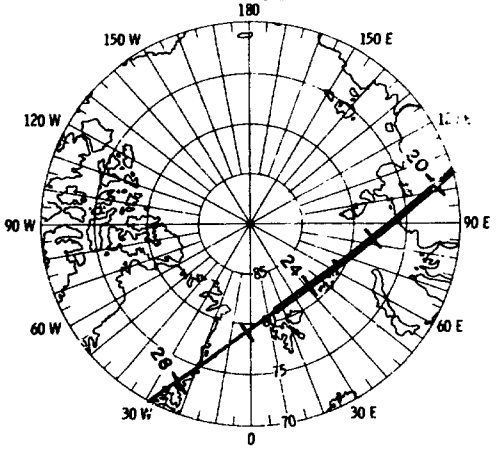

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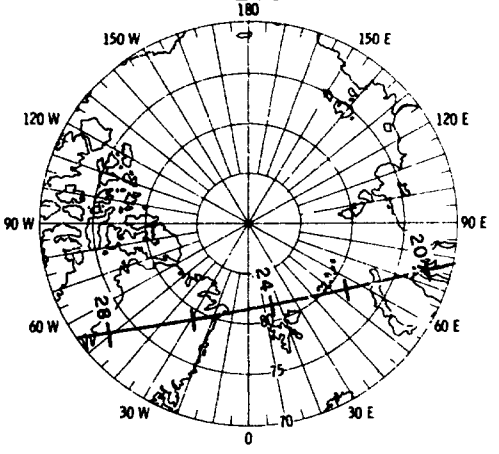

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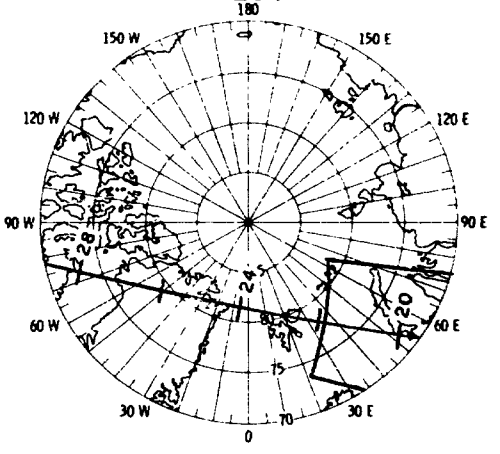
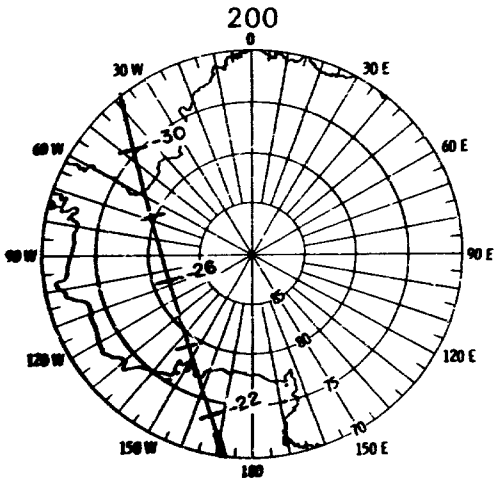


SOUTH POLAR REGIONS

DATA ORBIT 200



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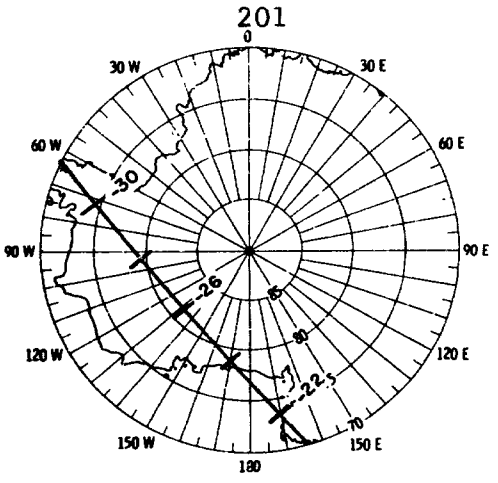

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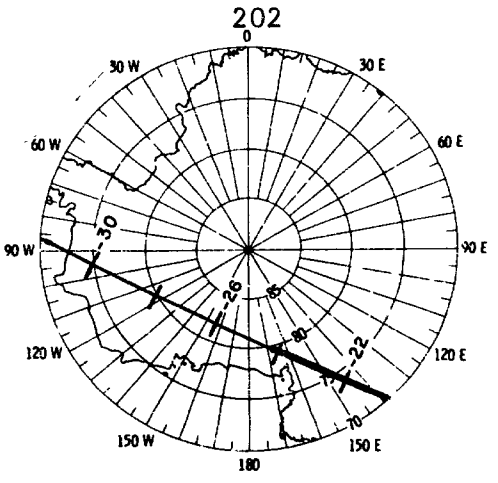

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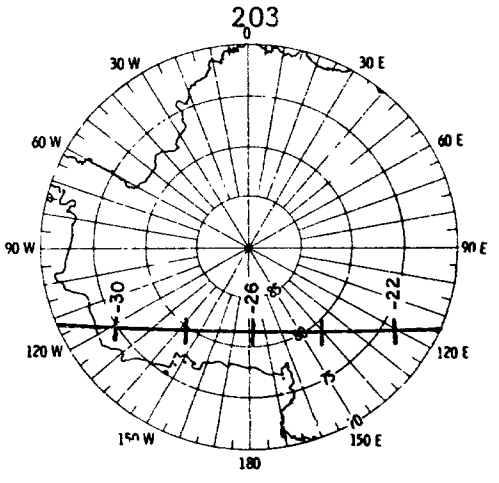
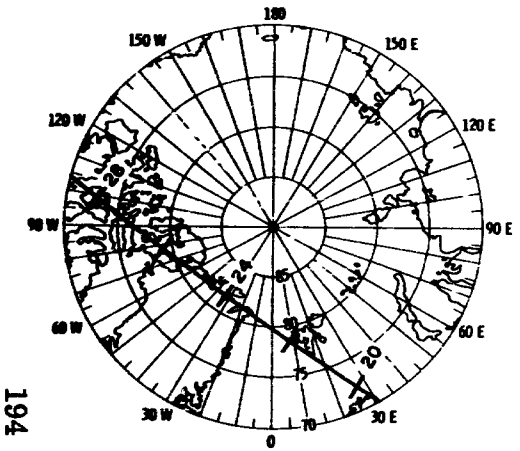


POLAR COVERAGE MAPS

11 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT
205



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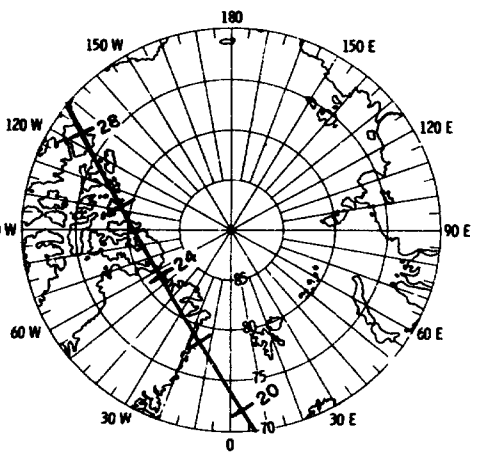

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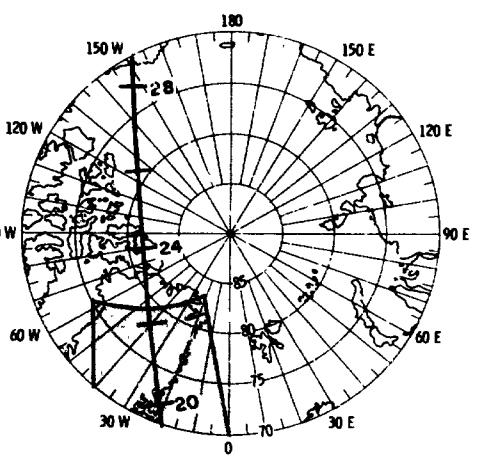
207



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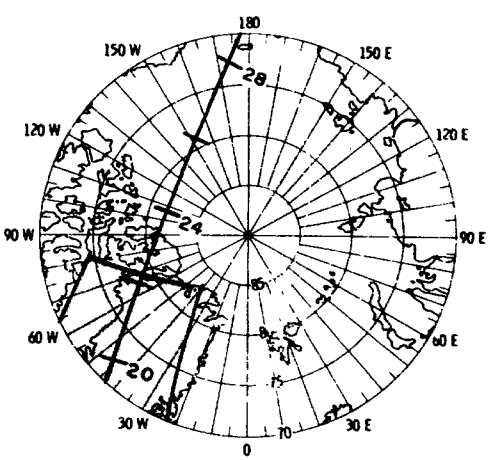
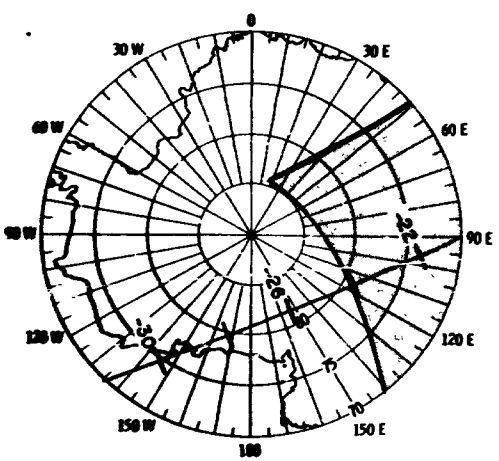
208



SOUTH POLAR REGIONS

DATA ORBIT
204



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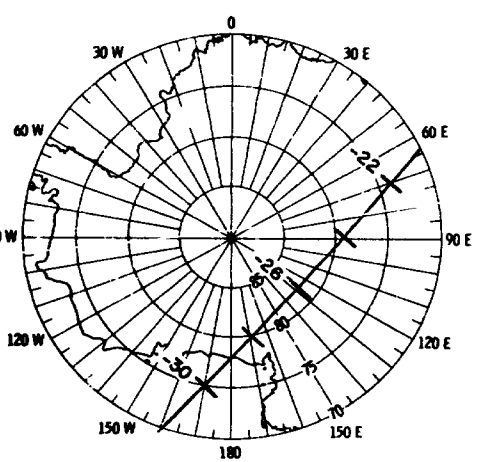
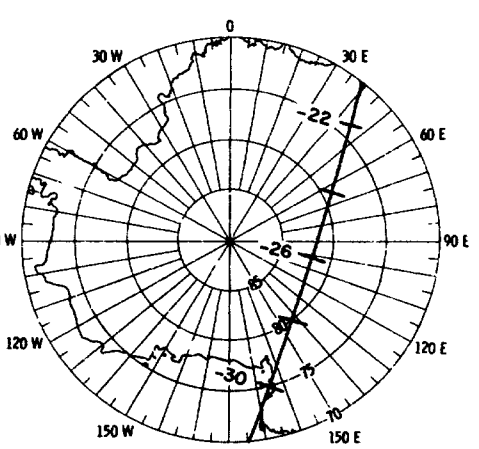
205



DATA ORBIT
206



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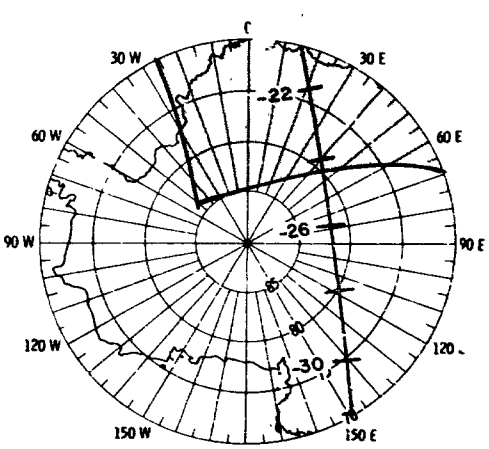
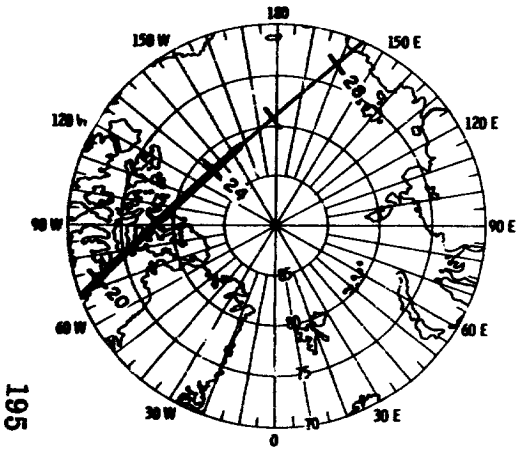


POLAR COVERAGE MAPS

11 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 209



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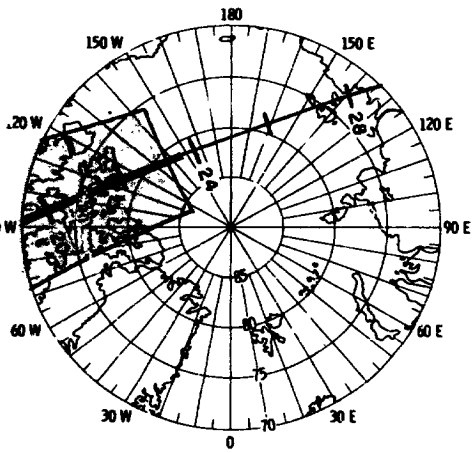

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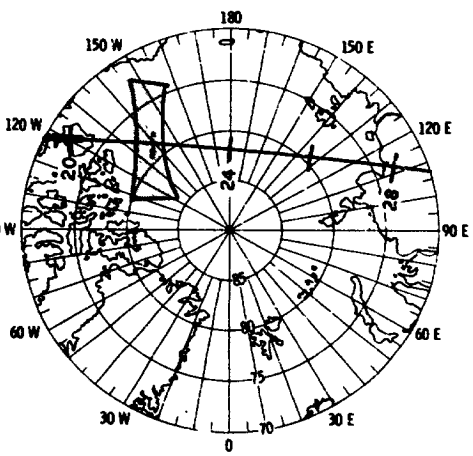

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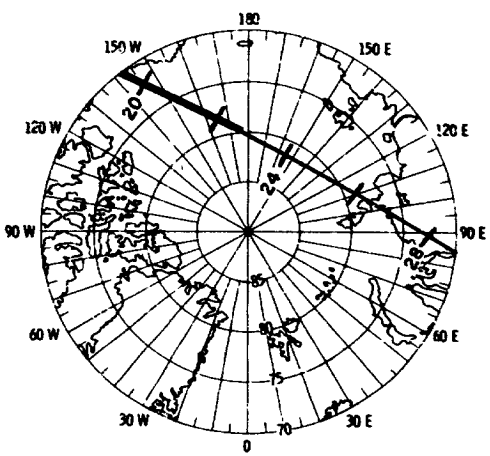
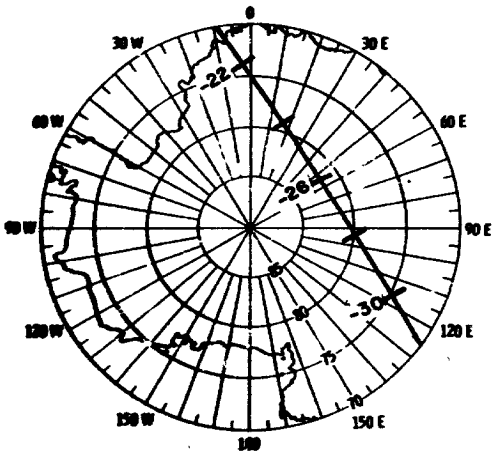


SOUTH POLAR REGIONS

DATA ORBIT 208



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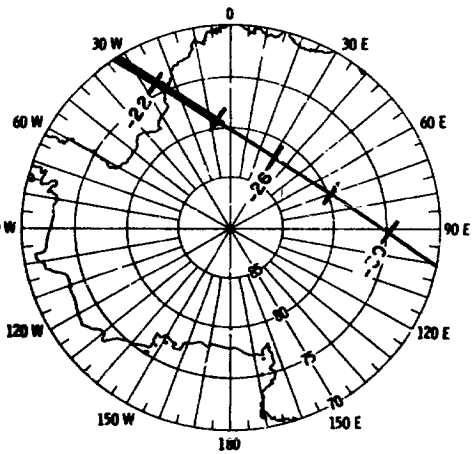

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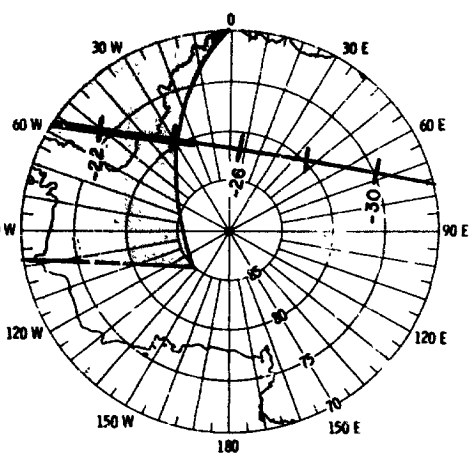

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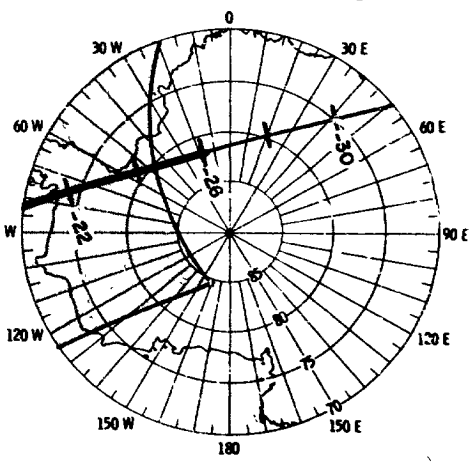
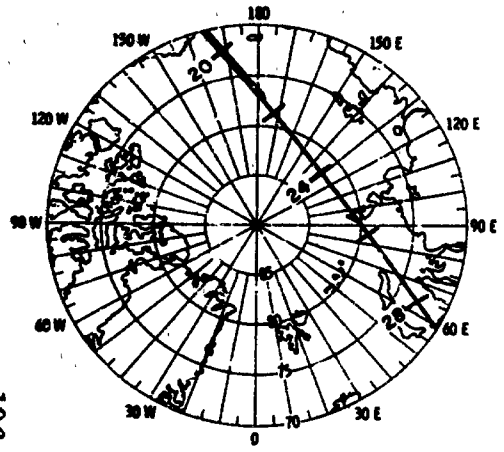


POLAR COVERAGE MAPS

11 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 213



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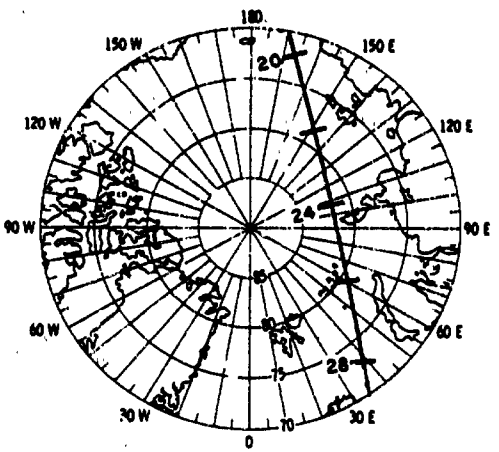

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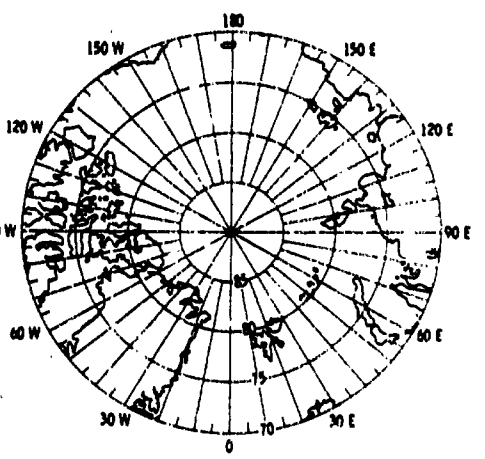
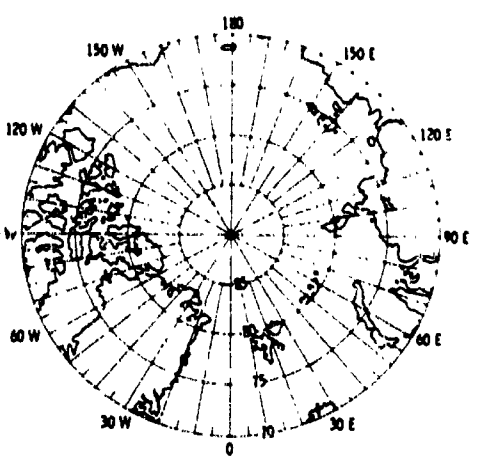
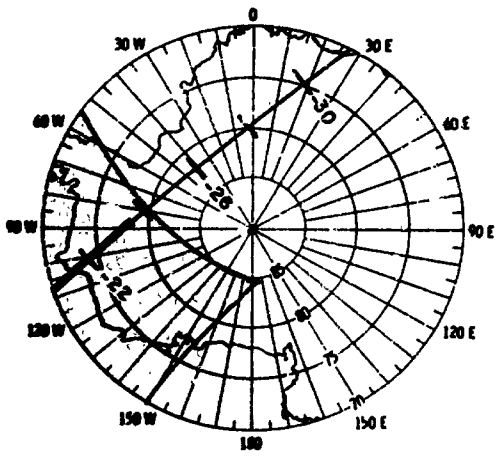


DATA ORBIT

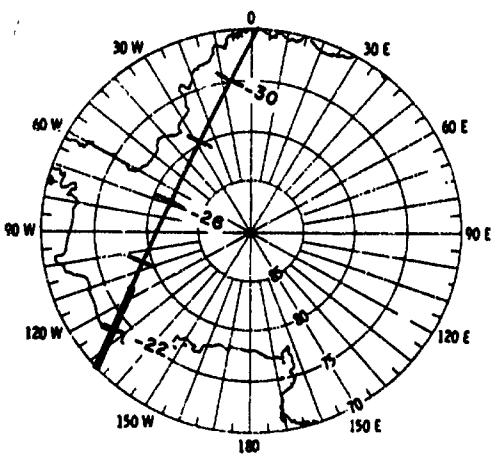


SOUTH POLAR REGIONS

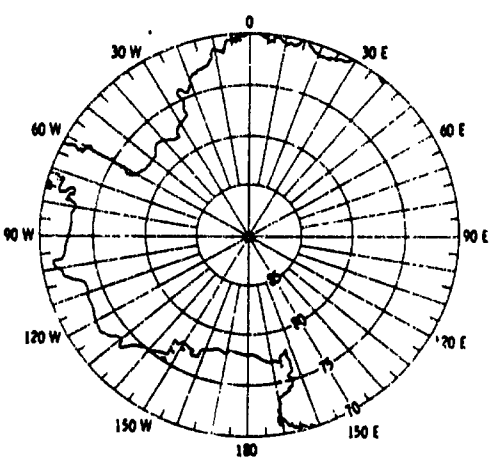
DATA ORBIT 212



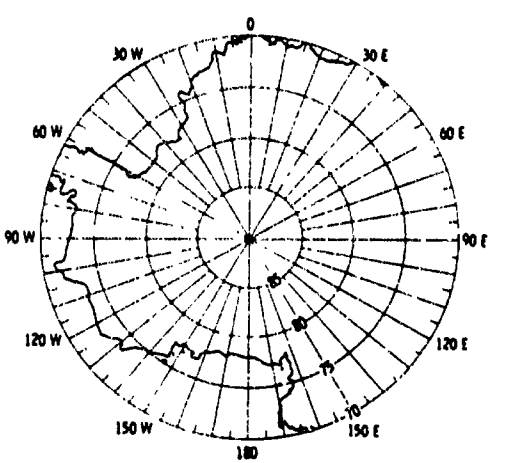
DATA ORBIT 213



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 4

DATA ORBIT 203/204
DATE 11 September 1964
ASC. NODE 06 09 47 UT
84.32 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-204-03523	1	06 22 11	+21.1	490	14	1		FRONTAL BANDS
	1					2		
	1					3	Franz Josef Land	
2-204-03523	2	06 20 40	+19.9	506	20	1		
	2					2	Novaya Zemlya	
	2					3	Novaya Zemlya	
3-204-03523	3	06 19 09	+18.4	524	26	1		
	3					2		
	3					3		
4-204-03523	4	06 17 38	+16.9	542	32	1		
	4					2		
	4					3		
5-204-03523	5	06 16 07	+15.3	562	37	1		
	5					2		
	5					3		
6-204-03523	6	06 14 36	+13.8	583	43	1	N. Aral Sea	MOSTLY CLEAR
	6					2	Lake Tengiz	
	6					3		
7-204-03523	7	06 13 05	+12.3	604	49	1	Syr River	
	7					2	Lake Balkhash	
	7					3	Lake Balkhash	
8-204-03523	8	06 11 34	+10.8	627	54	1	Amu (Oxus) River	
	8					2	Lake Kara Kul, Snow on Mts.	
	8					3	Takla-Makan Desert	
9-204-03523	9	06 10 03	+ 9.3	650	60	1	Indus-Chenab-Jhelum River Valley	
	9					2	Himalaya Mts., Snow Covered	
	9					3	Tibetan Plateau, Indus river	
10-204-03523	10	06 08 32	+ 7.8	674	65	1	Indus River Valley	CUFM Small Cu over Land Ci Streaks
	10					2		
	10					3		
11-204-03523	11	06 07 01	+ 6.2	698	71	1		
	11					2	CEN. & S. INDIA	
	11					3		
12-204-03523	12	06 05 30	+ 4.7	722	76	1		
	12					2		
	12					3		
13-204-03523	13	06 03 59	+ 3.2	745	81	1		BANDS Cufm & Cifm
	13					2		
	13					3		
14-206-60559	14	06 00 57	+ 0.2	793	84	1		STFM & CUFM Fibrous Streaks Few Cb Small Cu
	14*					2		
	14*					3		
15-206-60559	15	05 59 26	- 1.4	814	80	1		
	15					2		
	15					3		
16-206-60559	16	05 57 55	- 2.9	835	75	1		
	16					2		
	16					3		
17-206-60559	17	05 56 24	- 4.4	855	70	1		
	17					2		
	17					3		
18-206-60559	18	05 54 53	- 5.9	874	65	1		
	18					2		
	18					3		
19-206-60559	19	05 53 22	- 7.4	892	60	1		
	19					2		
	19					3		BANDS Small Vortex Vicinity 58 S Mostly Cufm Eddies
20-206-60559	20	05 51 51	- 8.9	906	55	1		
	20					2		
	20					3		
21-206-60559	21	05 50 20	-10.4	921	49	1		
	21					2		
	21					3		
22-206-60559	22	05 48 49	-12.0	933	45	1		
	22					2		
	22					3		
23-206-60559	23	05 47 18	-13.5	943	39	1		
	23					2		
	23					3		
24-206-60559	24	05 45 47	-15.0	951	34	1		
	24					2		
	24					3		
25-206-60559	25	05 44 16	-16.5	956	29	1		
	25					2		
	25					3		
26-206-60559	26	05 42 45	-18.0	959	24	1		
	26					2		
	26					3		
27-206-60559	27	05 41 14	-19.6	959	19	1		
	27					2	ANTARCTICA	
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 5

DATA ORBIT 204/205
DATE 11 September 1964
ASC. NODE 07 39 13 UT
59.72 ° LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-206-60559	1	07 32 20	- 6.9	885	62	1		CUFM Cellular
	1					2		
	1					3		
2-206-60559	2	07 30 49	- 8.4	901	57	1		
	2					2		
	2					3		
3-206-60559	3	07 29 18	- 9.9	916	51	1		
	3					2		
	3					3		
4-206-60559	4	07 27 47	-11.4	929	46	1		FRONTAL BANDS Mostly Cufm
	4					2		
	4					3		
5-206-60559	5	07 26 16	-13.0	940	41	1		
	5					2		
	5					3		
6-206-60559	6	07 24 45	-14.5	948	36	1		
	6					2		
	6					3		
7-206-60559	7	07 23 14	-16.0	954	31	1		CUFM & STFM Some Bands Eddies
	7					2		
	7					3		
8-206-60559	8	07 21 43	-17.5	958	26	1		
	8					2		
	8					3		
9-206-60559	9	07 20 12	-19.0	959	20	1		
	9					2		
	9					3		
10-206-60559	10	07 18 41	-20.5	959	15	1	ANTARCTICA	THIN CLOUDS
	10					2		
	10					3		
11-206-60559	11	07 17 10	-22.1	955	10	1		
	11					2		
	11					3		
12-206-60559	12	07 15 39	-23.6	949	5	1		
	12					2		
	12					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 7

DATA ORBIT 206/207
DATE 11 September 1964
ASC. NODE 10 56 05 GT
10.51 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-207-60565	1	11 18 12	+22.1	482	11	1		
	1					2	GREENLAND	POSSIBLE THIN CLOUDS
	1					3	Ice Cap	
2-207-60565	2	11 16 41	+20.6	496	17	1		
	2					2		
	2					3		
3-207-60565	3	11 15 10	+19.1	512	23	1	E. Greenland Cst.	
	3					2	E. Greenland Cst.	BANDS
	3					3		Possible Vortex Vicinity 58 N
4-207-60565	4	11 13 39	+17.6	530	29	1		Eddies
	4					2		
	4					3		
5-207-60565	5	11 12 08	+16.1	550	35	1		
	5					2		
	5					3		
6-207-60565	6	11 10 37	+14.5	570	40	1		
	6					2		
	6					3		
7-207-60565	7	11 09 06	+13.0	591	46	1		
	7					2	W. France Cst.	
	7					3		
8-207-60565	8	11 07 35	+11.5	614	51	1		Mostly Clear
	8					2	Ebro River Valley	Mostly Clear
	8					3	Gulf of Lion, Corsica	Small Vortex
9-207-60565	9	11 06 04	+10.0	637	57	1	Spain - Morocco Cst.	
	9					2	Algeria Cst.	MOSTLY CLEAR
	9					3	Algeria - Tunisia Cst.	
10-207-60565	10	11 04 33	+ 8.5	660	63	1		
	10					2		
	10					3	Tunisia Cst.	
11-207-60565	11	11 03 02	+ 7.0	683	68	1		
	11					2		
	11					3		
12-207-60565	12	11 01 31	+ 5.4	707	73	1		
	12					2		
	12					3		
13-207-60565	13	11 00 00	+ 3.9	731	79	1		
	13					2		CUFM & STFM
	13					3		
14-207-60565	14	10 58 29	+ 2.4	754	83	1		
	14					2		
	14					3		
15-207-60565	15	10 56 58	+ 0.9	778	85	1		
	15					2	Nigeria - Cameroun Cst.	
	15					3		
16-207-60565	16	10 55 27	- 0.6	801	82	1		
	16					2	Gabon Cst.	
	16					3	Congo River	
17-207-60565	17	10 53 56	- 2.2	823	77	1		
	17					2	Angola Cst.	CUFM
	17					3		Mostly Clear over Land
18-207-60565	18	10 52 25	- 3.7	844	72	1		Cellular Cu over Water
	18					2	Angola Cst.	
	18					3		
19-207-60565	19	10 50 54	- 5.2	864	67	1		
	19					2	Etosha Pan (Dry Salt Lake)	
	19					3	Cuito & Chobe Rivers, Okavango Swamps	
20-207-60565	20	10 49 23	- 6.7	883	62	1		
	20					2		
	20					3		
21-207-60565	21	10 47 52	- 8.2	900	57	1		
	21					2	South West Africa Cst.	FRONTAL BANDS
	21					3		Vortex Vicinity 44 S
22-207-60565	22	10 46 21	- 9.7	914	52	1		
	22					2	South Africa Cst.	
	22					3	South Africa Cst.	
23-207-60565	23	10 44 50	-11.3	927	47	1		
	23					2		
	23					3		
24-207-60565	24	10 43 19	-12.8	938	42	1		
	24					2		
	24					3		
25-207-60565	25	10 41 48	-14.3	947	37	1		
	25					2		
	25					3		
26-207-60565	26	10 40 17	-15.8	955	31	1		
	26					2		
	26					3		
27-207-60565	27	10 38 46	-17.3	958	26	1		
	27					2		MOSTLY CLOUD COVERED
	27					3		
28-207-60565	28	10 37 15	-18.8	960	21	1		
	28					2		
	28					3		
29-207-60565	29	10 35 44	-20.4	959	16	1		
	29					2	ANTARCTICA	THIN CLOUDS
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 8

DATA ORBIT 207/208
DATE 11 September 1964
ASC. NODE 12 34 31 GT
14.09 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-208-60551	1	12 56 26	+21.9	482	12	1	GREENLAND	APPARENT THIN CLOUDS
	1					2	W. Cst.	
	1					3	Ice Cap	
2-208-60551	2	12 54 55	+20.4	497	18	1		
	2					2		
	2					3		
3-208-60551	3	12 53 24	+18.9	513	23	1		
	3					2		
	3					3		
4-208-60551	4	12 51 53	+17.4	532	29	1		FRONTAL BANDS
	4					2		Vortices Vicinity 51 N & 53 N
	4					3		Possible Vortex Vicinity 58 N
5-208-60551	5	12 50 22	+15.9	551	35	1		
	5					2		
	5					3		
6-208-60551	6	12 48 51	+14.3	572	41	1		
	6					2		
	6					3		
7-208-60551	7	12 47 20	+12.8	593	47	1		
	7					2		
	7					3		
8-208-60551	8	12 45 49	+11.3	615	52	1		
	8					2		
	8					3		
9-208-60551	9	12 44 18	+ 9.8	638	58	1		CUFM & STFM
	9					2		Some Bands
	9					3		
10-208-60551	10	12 42 47	+ 8.3	662	63	1		
	10					2		
	10					3	Canary Is.	
11-208-60551	11	12 41 16	+ 6.8	686	69	1		Cu Bands
	11					2	AFRICA	Cu Bands
	11					3	W. Cst.	Mostly Clear
12-208-60551	12	12 39 45	+ 5.2	710	74	1		
	12					2		MOSTLY CLEAR
	12					3		
13-208-60551	13	12 38 14	+ 3.7	733	79	1		Small Lines of Cu
	13					2		Small Lines of Cu
	13					3		Possible Storm Area
14-208-60551	14	12 36 43	+ 2.2	757	83	1		
	14					2		ITC
	14					3		
15-208-60551	15	12 35 12	+ 0.7	780	84	1		
	15					2		
	15					3		
16-208-60551	16	12 33 41	- 0.8	803	81	1		
	16					2		CUFM
	16					3		Cellular
17-208-60551	17	12 32 10	- 2.4	825	77	1		Large Cells
	17					2		Fibrous
	17					3		
18-208-60551	18	12 30 39	- 3.9	846	72	1		
	18					2		
	18					3		
19-213-60588	19	12 24 35	- 9.9	916	51	1		
	19					2		CUFM
	19					3		Mostly Cellular
20-213-60588	20	12 23 04	-11.5	928	46	1		Some Bands
	20					2		Streaks
	20					3		
21-213-60588	21	12 21 33	-13.0	939	41	1		
	21					2		
	21					3		
22-213-60588	22	12 20 02	-14.5	948	36	1		
	22					2		
	22					3		
23-213-60588	23	12 18 31	-16.0	954	31	1		
	23					2		
	23					3		
24-213-60588	24	12 17 00	-17.5	958	26	1		
	24					2		MOSTLY CLOUD COVERED
	24					3		
25-213-60588	25	12 15 29	-19.0	960	20	1		
	25					2		
	25					3	Antarctic Ice	
26-220-60594	26	12 12 27	-22.1	956	10	1	ANTARCTICA	THIN CLOUDS
	26					2		
	26					3		
27-220-60594	27	12 10 56	-23.6	950	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 10

DATA ORBIT 209/210
DATE 11 September 1964
ASC. NODE 15 51 23 UT
63.30 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-212-60583	1	16 14 17	+22.9	473	8	1		
	1					2	ARCTIC ICE	BANDS
	1					3		
2-212-60583	2	16 12 46	+21.4	487	14	1	Melville I.	Mostly Clear
	2					2		Mostly Cloud Covered
	2					3	Sverdrup Is., Glaciers	Mostly Clear
3-212-60583	3	16 11 15	+19.9	502	20	1		
	3					2		BANDS
	3					3		
4-213-60588	4	16 06 42	+15.3	562	39	1		
	4					2		FRONTAL SYSTEM Vortex Faintly Discernible Numerous Cu Streets Ci Streaks Marked Shear
	4					3		
5-213-60588	5	16 05 11	+13.8	577	43	1		
	5					2		
	5					3		
6-213-60588	6	16 03 40	+12.2	599	49	1		
	6					2		
	6					3		
7-210-03560	7	15 59 07	+ 7.7	670	66	1		
	7					2		HURRICANE ETHEL
	7					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 11

DATA ORBIT 210/211
DATE 11 September 1964
ASC. NODE 17 29 49 UT
87.90 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-212-60583	1	17 51 45	+21.9	481	12	1	ARCTIC ICE	APPARENT CLOUDS
	1					2		
	1					3		
2-211-60578	2	17 47 12	+17.4	529	29	1		MOSTLY CUFM
	2					2		
	2					3		
3-211-60578	3	17 45 41	+15.9	549	35	1		
	3					2		
	3					3		
4-211-60578	4	17 44 10	+14.4	569	41	1	Saskatchewan, Last Mountain Lake	
	4					2	Saskatchewan, Last Mountain Lake	
	4					3	Lakes Winnipegosis, Manitoba & Dauphin	
5-211-60578	5	17 42 39	+12.8	590	47	1	Yellowstone River	FRONTAL BANDS
	5					2	Garrison Reservoir	
	5					3	Lake Superior	
6-211-60578	6	17 41 08	+11.3	612	52	1		HURRICANE DORA - W. EDGE Frontal Bands Cu & Cb Over Gulf States
	6					2		
	6					3		
7-211-60578	7	17 39 37	+ 9.8	635	58	1		
	7					2		
	7					3		
8-211-60578	8	17 38 06	+ 8.3	658	63	1	S. Texas	
	8					2	Texas - Louisiana Gulf Cst.	
	8					3		
9-211-60578	9	17 36 35	+ 6.8	682	69	1	Mexico Gulf Cst., Lake Madre	
	9					2		
	9					3		
10-211-60578	10	17 35 04	+ 5.3	706	74	1	S. Mexico	
	10					2	Terminos Lagoon	CUFM Some Cb
	10					3	Yucatan Pen.	
11-211-60578	11	17 33 33	+ 3.7	730	79	1		
	11					2	Guatemala - El Salvador Cst.	
	11					3	Honduras & Nicaragua	
12-211-60578	12	17 32 02	+ 2.2	754	83	1		
	12					2		ITC
	12					3	Costa Rica & Panama	
13-211-60578	13	17 30 31	+ 0.7	778	84	1	SOUTH AMERICA W. Cst. Snow on Andes Mts.	
	13					2		
	13					3		
14-211-60578	14	17 29 00	- 0.8	801	82	1		CUFM Cellular Field over Water Extending to Cst.
	14					2		
	14					3		
15-211-60578	15	17 27 29	- 2.3	823	77	1		
	15					2		
	15					3		
16-211-60578	16	17 25 58	- 3.9	844	72	1		
	16					2		
	16					3		
17-211-60578	17	17 24 27	- 5.4	863	67	1		
	17					2		
	17					3		
18-211-60578	18	17 22 56	- 6.9	882	62	1		BANDS Cellular Narrow Band of St along Cst.
	18					2		
	18					3		
19-211-60578	19	17 21 25	- 8.4	899	57	1		
	19					2		
	19					3		
20-211-60578	20	17 19 54	- 9.9	914	52	1		FRONTAL BANDS
	20					2		
	20					3		
21-211-60578	21	17 18 23	-11.1	927	46	1		
	21					2		
	21					3		
22-211-60578	22	17 16 52	-13.0	938	41	1		
	22					2		
	22					3		
23-211-60578	23	17 15 21	-14.5	947	36	1		
	23					2		
	23					3		
24-211-60578	24	17 13 50	-16.0	954	31	1		
	24					2		
	24					3		
25-212-60583	25	17 10 48	-19.0	960	21	1		MOSTLY CLOUD COVERED
	25					2		
	25					3		
26-212-60583	26	17 09 17	-20.5	959	16	1		
	26					2		
	26					3		
27-212-60583	27	17 07 46	-22.1	956	10	1	ANTARCTICA	
	27					2		
	27					3		
28-212-60583	28	17 06 15	-23.6	951	5	1		THIN CLOUDS
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 12

DATA ORBIT 211/212
DATE 11 September 1964
ASC. NODE 19 08 15 UT
112.51 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-212-60583	1	19 22 31	+14.3	569	41	1		Bands
	1					2	British Columbia Cst., Snow Covered Mts.	Mostly Clear
	1					3	Canadian Rocky Mts., Snow Covered	Mostly Clear
2-212-60583	2	19 21 00	+12.8	590	47	1		
	2					2	Washington - Oregon Cst.	MOSTLY CLEAR
	2					3	Columbia River Valley	
3-212-60583	3	19 19 29	+11.2	613	53	1		Cellular & Cu Streets
	3					2	N. California	Fog or St along Cst.
	3					3	Pyramid Lake, Carson Sink, Great Salt Lake	Mostly Clear
4-212-60583	4	19 17 58	+ 9.7	636	58	1		Cellular & Large Cells
	4					2	S.W. California	Cellular & St along Cst.
	4					3	Lake Mead, Colorado River, Salton Sea	Mostly Clear
5-212-60583	5	19 16 27	+ 8.2	659	64	1		Cellular
	5					2		Cellular
	5					3	N. Baja California & Mexico	St along Cst.
6-212-60583	6	19 14 56	+ 6.7	683	69	1		
	6					2		VORTEX VICINITY 24 N 119 W
	6					3	S. Baja California	Remnants of Tropical Storm Tillie
7-212-60583	7	19 13 25	+ 5.2	707	74	1		
	7					2		
	7					3		
8-212-60583	8	19 11 54	+ 3.7	731	79	1		
	8					2		ITC
	8					3		
9-212-60583	9	19 10 23	+ 2.1	755	83	1		
	9					2		
	9					3		
10-212-60583	10	19 08 52	+ 0.6	788	85	1		
	10					2		CUFM
	10					3		Cellular
11-212-60583	11	19 07 21	- 0.9	801	81	1		Large Cells
	11					2		Actiniform
	11					3		Fibrous
12-212-60583	12	19 05 50	- 2.4	823	77	1		
	12					2		
	12					3		
13-212-60583	13	19 04 19	- 3.9	844	72	1		
	13					2		
	13					3		
14-212-60583	14	19 02 48	- 5.5	864	67	1		
	14					2		BANDS
	14					3		Cellular
15-212-60583	15	19 01 17	- 7.0	882	62	1		Streets
	15					2		Fibrous
	15					3		
16-212-60583	16	18 59 46	- 8.5	899	56	1		
	16					2		
	16					3		
17-212-60583	17	18 58 15	-10.0	914	51	1		
	17					2		CUFM
	17					3		Some Cellular
18-212-60583	18	18 56 44	-11.5	927	46	1		
	18					2		
	18					3		
19-212-60583	19	18 55 13	-13.0	938	41	1		
	19					2		FRONTAL SYSTEM
	19					3		Apparent Vortex 69 S
20-212-60583	20	18 53 42	-14.6	947	36	1		Wave Vicinity 56 S
	20					2		
	20					3		
21-212-60583	21	18 52 11	-16.1	954	31	1		
	21					2		
	21					3		
22-212-60583	22	18 50 40	-17.6	958	26	1		
	22					2		
	22					3		
23-212-60583	23	18 49 09	-19.1	960	20	1		
	23					2		
	23					3		
24-212-60583	24	18 47 38	-20.6	959	15	1		
	24					2		
	24					3		
25-212-60583	25	18 46 07	-22.1	956	10	1		
	25					2	ANTARCTICA	THIN CLOUDS
	25					3	Palmer Pen.	
26-212-60583	26	18 44 36	-23.7	951	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 11 Track 13

DATA ORBIT 212/213
DATE 11 September 1964
ASC. NODE 20 46 41 UT
137.11 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-213-60588	1	21 00 54	+14.2	569	41	1		
	1					2		FRONTAL SYSTEM
	1					3		Vortex Vicinity 51 N
2-213-60588	2	20 59 23	+12.7	590	47	1		
	2					2		
	2					3		
3-213-60588	3	20 57 52	+11.2	612	53	1		
	3					2		
	3					3		
4-213-60588	4	20 56 21	+ 9.7	635	58	1		
	4					2		
	4					3		
5-213-60588	5	20 54 50	+ 8.2	659	64	1		
	5					2		CUFM
	5					3		
6-213-60588	6	20 53 19	+ 6.6	683	69	1		
	6					2		
	6					3		
7-213-60588	7	20 51 48	+ 5.1	707	74	1		
	7					2		WEAK VORTEX VICINITY 14 N
	7					3		Narrow Bands & Lines of Cu
8-213-60588	8	20 50 17	+ 3.6	731	79	1		Some Cb
	8					2		Fibrous
	8					3		
9-213-60588	9	20 48 46	+ 2.1	754	84	1		
	9					2		
	9					3		
10-213-60588	10	20 47 15	+ 0.6	778	84	1		
	10					2		CUFM
	10					3		Fibrous
11-213-60588	11	20 45 44	- 1.0	801	81	1		Streaks
	11					2		
	11					3		
12-213-60588	12	20 44 13	- 2.5	823	77	1		
	12					2		
	12					3		
13-213-60588	13	20 42 42	- 4.0	845	72	1		
	13					2		CUFM
	13					3		Bands
14-213-60588	14	20 41 11	- 5.5	864	66	1		Streaks
	14					2		Fibrous
	14					3		
15-213-60588	15	20 39 40	- 7.0	882	61	1		
	15					2		
	15					3		
16-213-60588	16	20 38 09	- 8.5	900	56	1		
	16					2		FRONTAL SYSTEM
	16					3		Vortex Vicinity 42 S
17-213-60588	17	20 36 38	-10.1	914	51	1		Eddies
	17					2		
	17					3		
18-213-60588	18	20 35 07	-11.6	927	46	1		
	18					2		
	18					3		
19-213-60588	19	20 33 36	-13.1	939	41	1		
	19					2		
	19					3		
20-213-60588	20	20 32 05	-14.6	947	36	1		
	20					2		
	20					3		
21-213-60588	21	20 30 34	-16.1	954	30	1		
	21					2		
	21					3		
22-213-60588	22	20 29 03	-17.6	958	25	1		
	22					2		
	22					3		
23-213-60588	23	20 27 32	-19.2	960	20	1		
	23					2	ANTARCTIC ICE	
	23					3		
24-213-60588	24	20 26 01	-20.7	960	15	1		
	24					2		
	24					3		
25-213-60588	25	20 24 30	-22.2	955	10	1		
	25					2	ANTARCTICA	THIN CLOUDS
	25					3		
26-213-60588	26	20 22 59	-23.7	951	5	1		
	26					2		
	26					3		

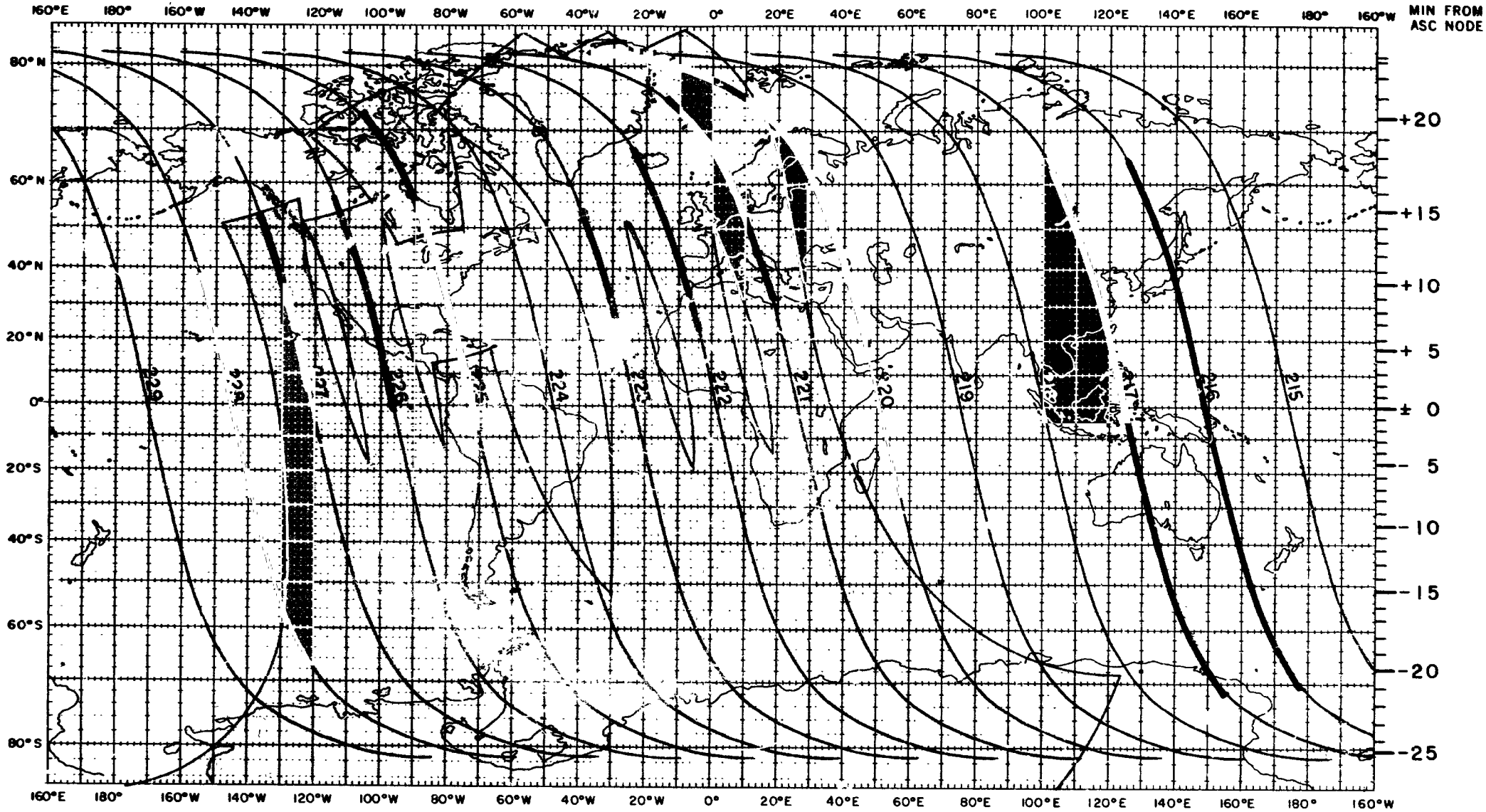
NIMBUS I DOCUMENTATION

12 September 1964

Orbits 214 through 229

AVCS DAILY COVERAGE MAP

12 SEPTEMBER 1964
ORBITS 214 TO 229

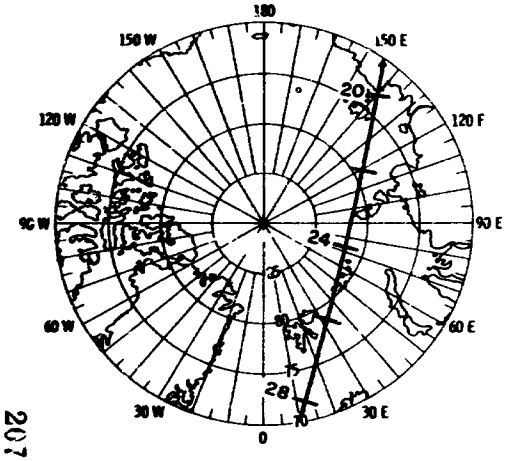


POLAR COVERAGE MAPS

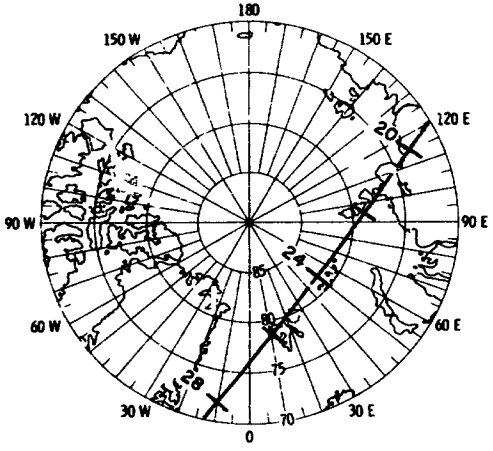
12 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 215



DATA ORBIT 216



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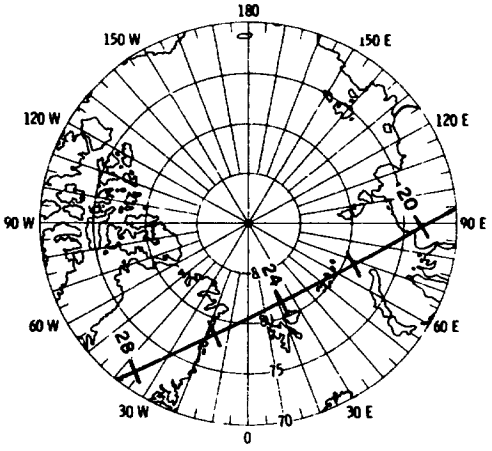
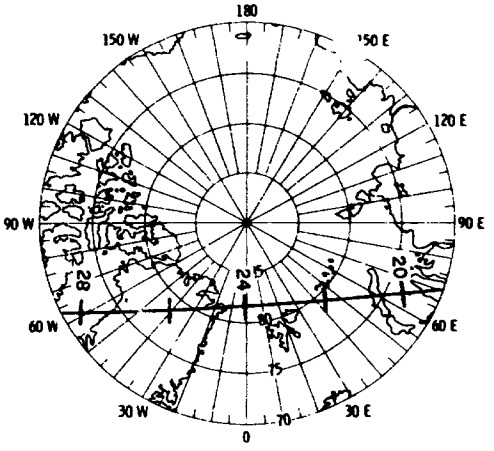
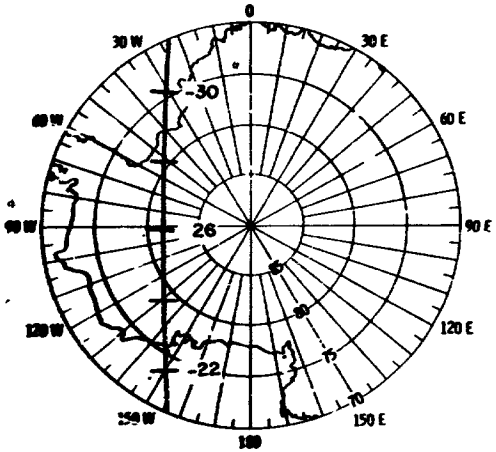


DATA ORBIT 218

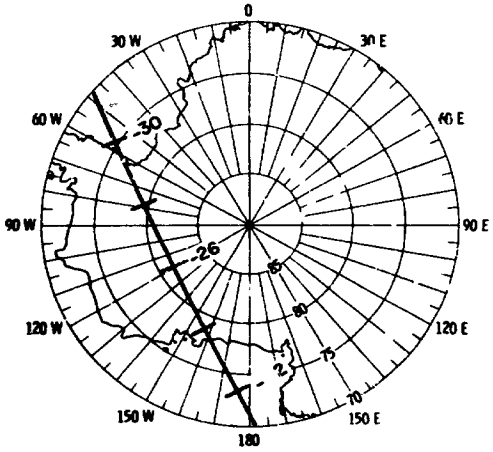


SOUTH POLAR REGIONS

DATA ORBIT 214



DATA ORBIT 215



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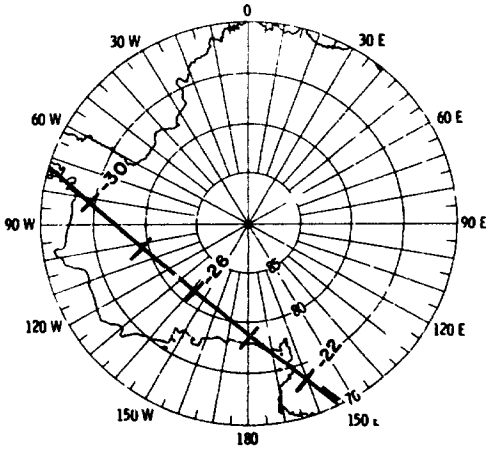
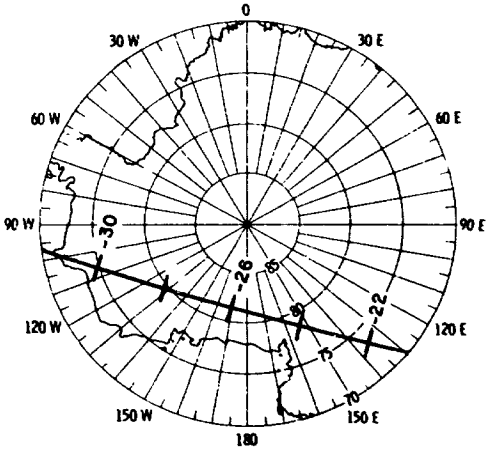


DATA ORBIT 217

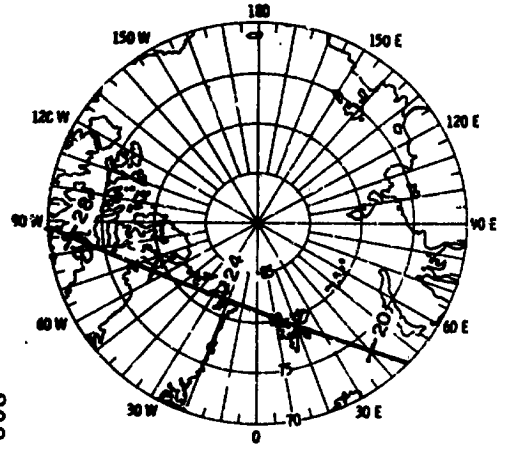


POLAR COVERAGE MAPS

12 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 219



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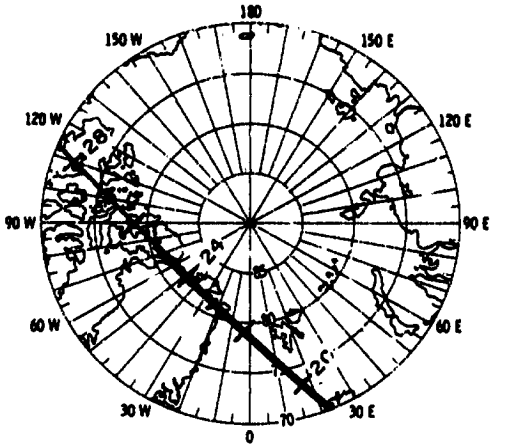

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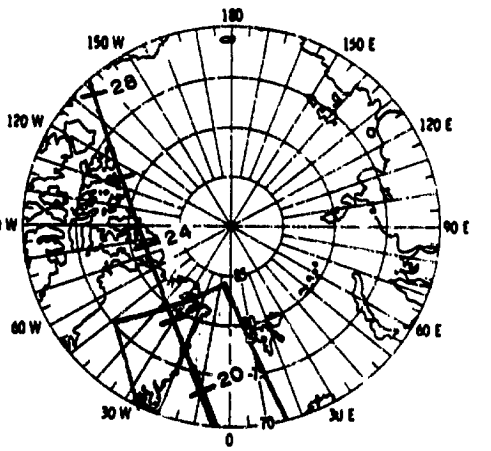
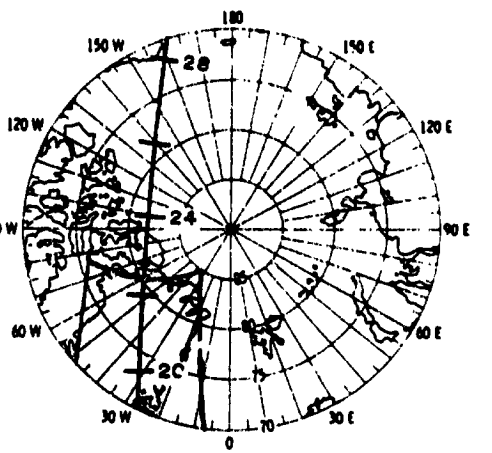
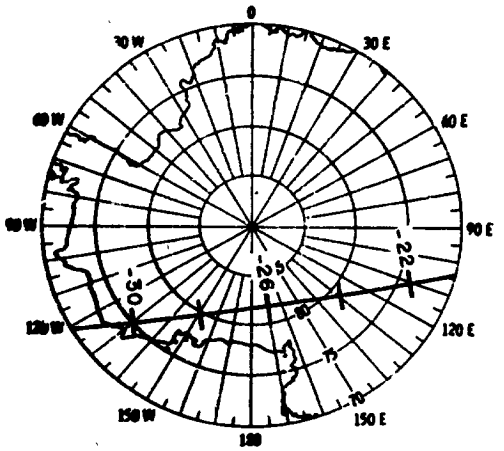


DATA ORBIT 222

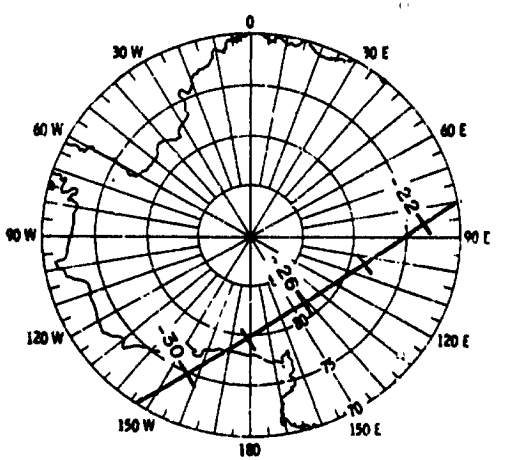


SOUTH POLAR REGIONS

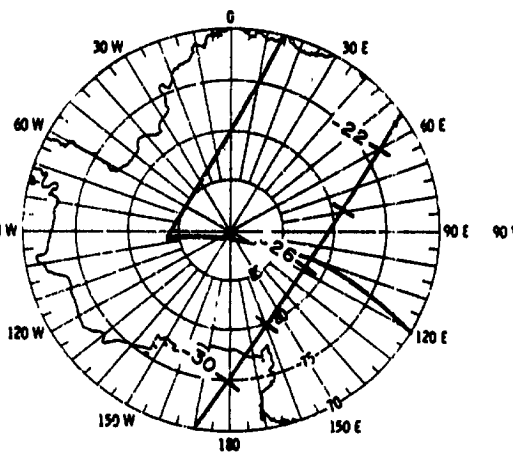
DATA ORBIT 218



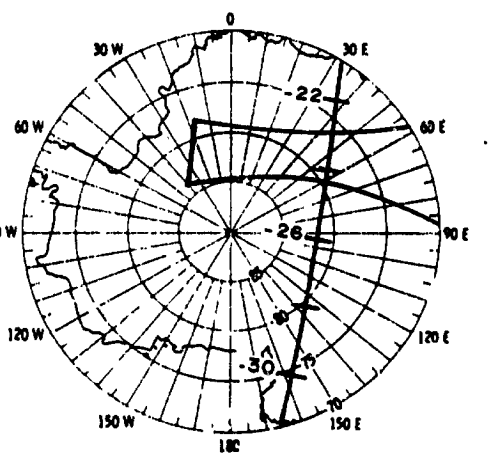
DATA ORBIT 219



DATA ORBIT 220



DATA ORBIT 221

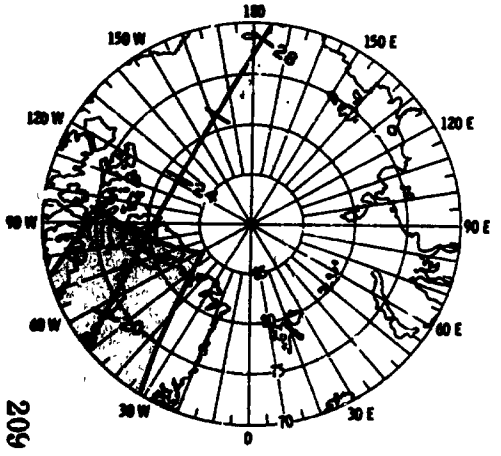


POLAR COVERAGE MAPS

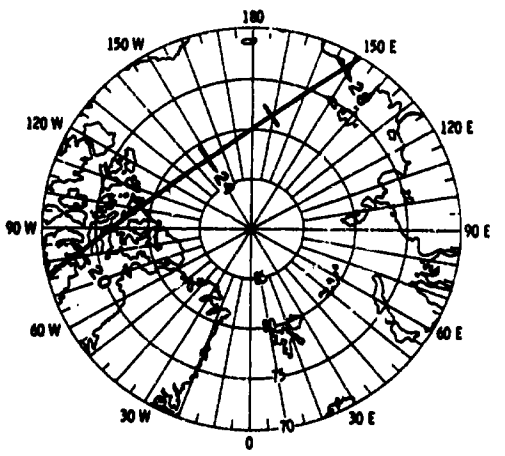
12 SEPTEMBER 1964

NORTH POLAR REGIONS

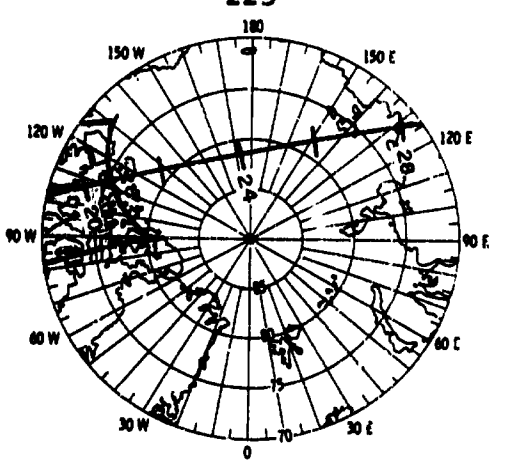
DATA ORBIT 223



DATA ORBIT 224



DATA ORBIT 225



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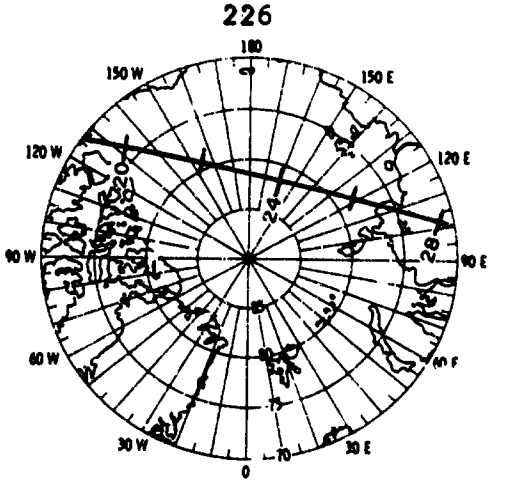
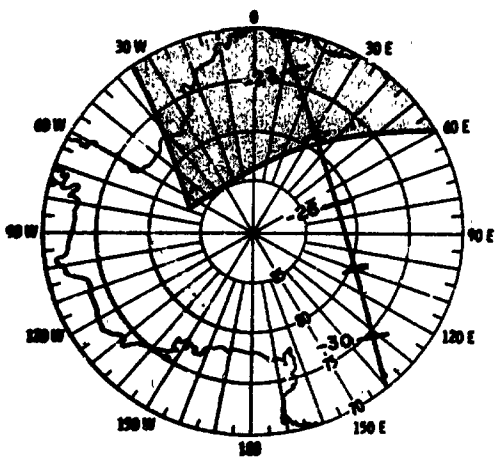
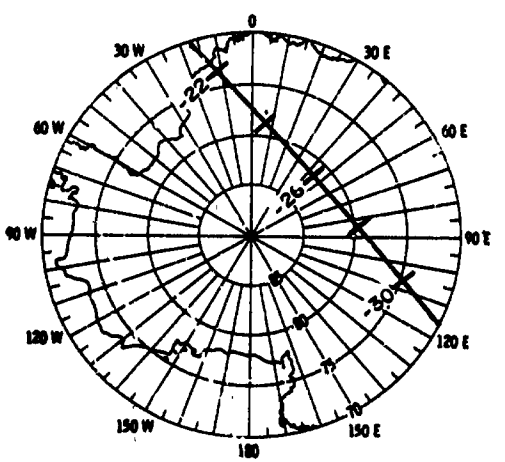


SOUTH POLAR REGIONS

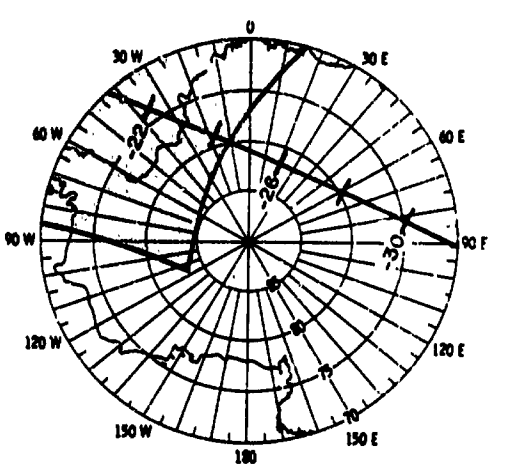
DATA ORBIT 222



DATA ORBIT 223



DATA ORBIT 224



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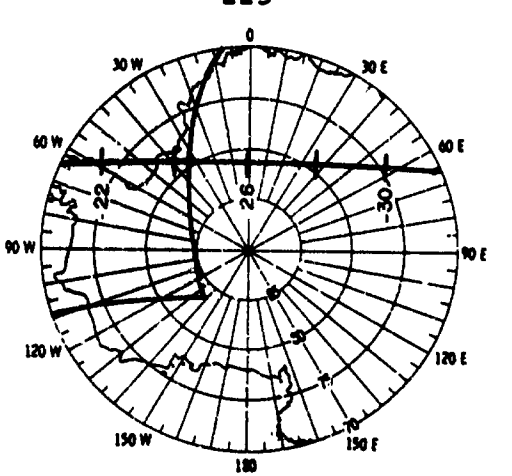
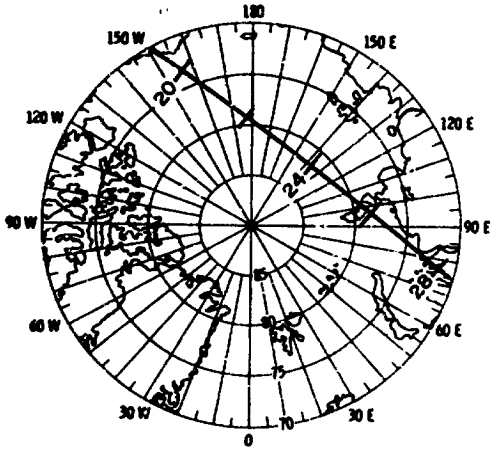


POLAR COVERAGE MAPS

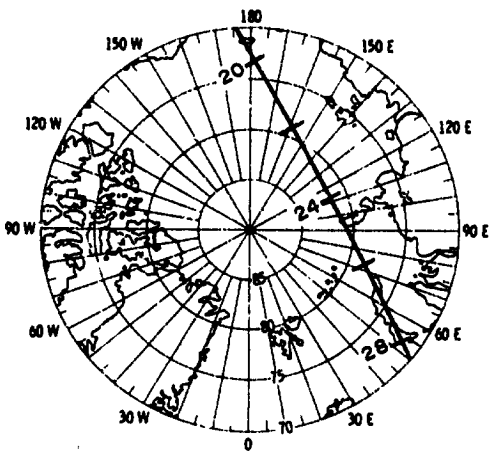
12 SEPTEMBER 1964

NORTH POLAR REGIONS

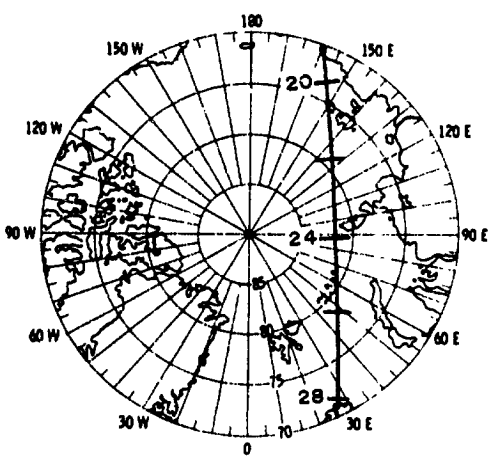
DATA ORBIT 227



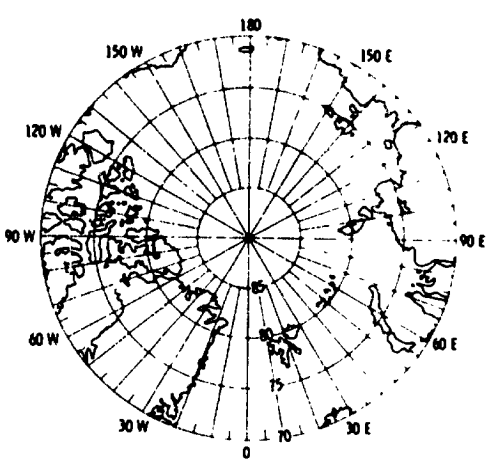
DATA ORBIT 228



DATA ORBIT 229

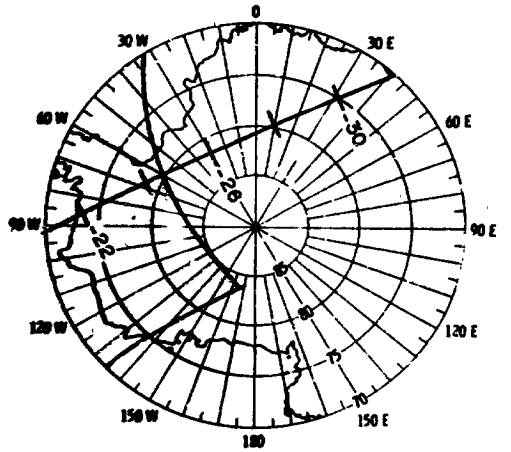


DATA ORBIT



SOUTH POLAR REGIONS

DATA ORBIT 226



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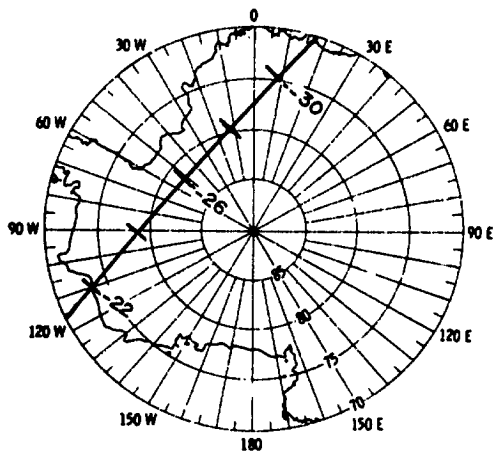

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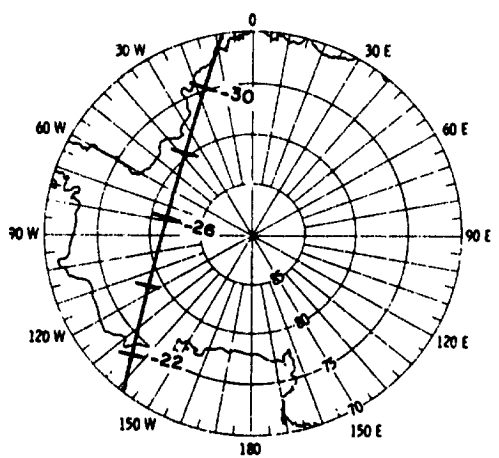
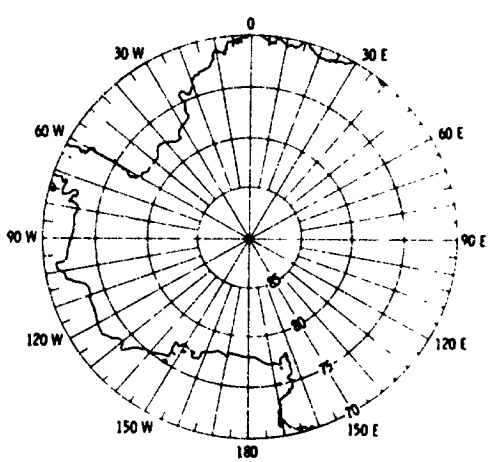


DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION:
1964 September 12 Track 6

DATA ORBIT 220/221
DATE 12 September 1964
ASC. NODE 09 54 09 UT
26.06 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-221-60603	1	10 16 09	+22.0	975	11	1		FRONTAL SYSTEM Vortices Vicinity 58 N & 70 N
	1					2	N.E. GREENLAND CST.	
	1					3		
2-221-60603	2	10 14 37	+20.5	488	17	1		
	2					2		
	2					3		
3-221-60603	3	10 13 06	+19.0	504	23	1		
	3					2		
	3					3		
4-221-60603	4	10 11 35	+17.4	521	29	1		
	4					2		
	4					3		
5-221-60603	5	10 10 04	+15.9	540	34	1		
	5					2		
	5					3		
6-221-60603	6	10 08 33	+14.4	560	40	1		
	6					2		
	6					3		
7-221-60603	7	10 07 02	+12.9	581	46	1		
	7					2	Gulf of Venice	
	7					3		
8-221-60603	8	10 05 31	+11.4	602	51	1	Sardinia	MOSTLY CLEAR
	8					2	Italy	
	8					3	Albania & Yugoslavia	
9-221-60603	9	10 04 00	+ 9.9	625	57	1	Tunisia - Libya Cst.	
	9					2		
	9					3	Greece & Crete	
10-221-60603	10	10 02 29	+ 8.3	648	63	1	Libya Cst.	
	10					2	Libya Cst., Gulf of Sirte	
	10					3	Libya - Egypt Cst.	
11-221-60603	11	10 00 58	6.8	671	68	1		
	11					2		
	11					3		
12-221-60603	12	09 59 27	+ 5.3	695	72	1		
	12					2		
	12					3		
13-221-60603	13	09 57 56	+ 3.8	720	78	1		CUFM Small Cu Few Cb Fibrous
	13					2		
	13					3		
14-221-60603	14	09 56 25	+ 2.3	743	83	1		
	14					2		
	14					3		
15-221-60603	15	09 54 54	+ 0.8	768	85	1		
	15					2		
	15					3		
16-221-60603	16	09 53 23	- 0.8	792	82	1		
	16					2	Congo River	
	16					3		
17-221-60603	17	09 51 52	- 2.3	814	77	1		
	17					2	Lakes Tanganyika & Mweru	
	17					3		
18-221-60603	18	09 50 21	- 3.8	836	72	1	Cuando River	MOSTLY CLEAR Some Small Cu
	18					2		
	18					3	Lake Nyasa	
19-221-60603	19	09 48 50	- 5.3	856	67	1	Okavango Swamps, Chobe River	
	19					2	Kariba Lake	
	19					3	Mozambique Cst.	
20-221-60603	20	09 47 19	- 6.8	875	62	1		
	20					2	SOUTH AFRICA CST.	
	20					3		
21-221-60603	21	09 45 48	- 8.4	892	57	1		FRONTAL SYSTEM Vortex Vicinity 65 S Numerous Eddies
	21					2		
	21					3		
22-221-60603	22	09 44 17	- 9.9	909	52	1		
	22					2		
	22					3		
23-221-60603	23	09 42 46	-11.4	922	47	1		
	23					2		
	23					3		
24-221-60603	24	09 41 15	-12.9	934	42	1		
	24					2		
	24					3		
25-221-60603	25	09 39 44	-14.4	944	36	1		
	25					2		
	25					3		
26-221-60603	26	09 38 13	-15.9	952	31	1		
	26					2		
	26					3		
27-221-60603	27	09 36 42	-17.5	957	26	1		
	27					2		
	27					3		
28-221-60603	28	09 35 11	-19.0	960	21	1		
	28					2		
	28					3		
29-221-60603	29	09 33 40	-20.5	960	16	1		
	29					2	ANTARCTICA	
	29					3		
30-221-60603	30	09 32 09	-22.0	958	10	1		APPARENT CLOUDS
	30					2		
	30					3		
31-221-60603	31	09 30 38	-23.5	954	6	1		
	31					2		
	31					3		
32-221-60603	32	09 29 07	-25.0	947	1	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 12 Track 7

DAT.. ORBIT 221/222
DATE 12 September 1964
ASC. NODE 11 32 35 UT
1.46 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-222-60607	1	11 54 32	+22.0	475	11	1		
	1					2	GREENLAND	APPARENT CLOUDS
	1					3	Ice Cap	
2-222-60607	2	11 53 0[illegible]	+20.4	489	[illegible]7	1	Glaciers	
	2					2		
	2					3		
3-222-60607	3	11 51 30	+18.9	504	23	1		
	3					2		BANDS
	3					3		Numerous Streaks
-222-60607	4	11 49 59	+17.4	521	29	1		Eddies
	4					2	Iceland	
	4					3		
5-222-60607	5	11 48 28	+15.9	539	35	1		
	5					2		
	5					3		
6-222-60607	6	11 46 57	+14.4	560	40	1		
	6					2		
	6					3		
7-222-60607	7	11 45 26	+12.9	581	46	1		
	7					2		
	7					3	France - Brittany Cst.	
8-222-60607	8	11 43 55	+11.3	602	51	1		Bands
	8					2	Portugal	St along Cst.
	8					3	Spain	Mostly Clear
9-[illegible]-60607	9	11 42 24	+ 9.8	625	57	1		Bands
	9					2	Gibraltar Area	St along Cst., Some Cu
	9					3	Spain - Algeria Cst.	Cufm
10-222-60607	10	11 40 53	+ 8.3	648	63	1	N.W. Africa	
	10					2	Sahara	MOSTLY CLEAR
	10					3	Sahara	St along Cst.
11-222-60607	11	11 39 22	+ 6.8	671	68	1		
	11					2		
	11					3		
12-222-60607	12	11 37 51	+ 5.3	695	72	1		
	12					2		
	12					3		
13-222-60607	13	11 36 20	+ 3.8	720	78	1		
	13					2		MOSTLY CUFM
	13					3		Numerous Small Cu
14-222-60607	14	11 34 49	+ 2.2	744	83	1		Fibrous
	14					2		Streaks
	14					3		Possible ITC
15-222-60607	15	11 33 18	+ 0.7	768	85	1		
	15					2	AFRICA	CUFM
	15					3	W. Cst. Area	Large Cells
16-222-60607	16	11 31 47	- 0.8	792	82	1		Streaks
	16					2		
	16					3		
17-222-60607	17	11 30 16	- 2.3	814	77	1		
	17					2		CUFM
	17					3		Large Cellular Field
18-222-60607	18	11 28 45	- 3.8	836	72	1		
	18					2		
	18					3		
19-222-60607	19	11 27 14	- 5.4	856	67	1		
	19					2		
	19					3		
20-222-60607	20	11 25 43	- 6.9	875	62	1		CUFM
	20					2		St along Cst.
	20					3		
21-222-60607	21	11 24 12	- 8.4	892	57	1		
	21					2		
	21					3		
22-222-60607	22	11 22 41	- 9.9	909	52	1		
	22					2		MOSTLY CUFM
	22					3		Bands
23-222-60607	23	11 21 10	-11.4	922	47	1		Eddies
	23					2		Streaks
	23					3		
24-222-60607	24	11 19 39	-12.9	934	42	1		
	24					2		
	24					3		
25-222-60607	25	11 18 08	-14.5	944	36	1		
	25					2		
	25					3		
26-222-60607	26	11 16 37	-16.0	952	31	1		
	26					2		MOSTLY CLOUD COVERED
	26					3		Some Streaks
27-222-60607	27	11 15 06	-17.5	957	26	1		
	27					2		
	27					3		
28-222-60607	28	11 13 35	-19.0	960	21	1		
	28					2		
	28					3		
29-225-04271	29	11 09 02	-23.6	954	6	1		
	29					2	ANTARCTICA	THIN CLOUDS
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 12 Track 8

DATA ORBIT 222/223
DATE 12 September 1964
ASC. NODE 13 11.01 UT
23.15 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-225-04271	1	13 32 54	+21.9	477	12	1		MOSTLY CLEAR Some Bands
	1					2	Ellesmere I.	
	1					3	Ellesmere I. & N. Greenland	
2-225-04271	2	13 31 23	+20.4	490	18	1	Baffin I. Cst.	
	2					2	W. Greenland Cst.	
	2					3	Ice Cap	
3-225-04271	3	13 29 52	+18.8	506	24	1		
	3					2	Disko I. & Glaciers	
	3					3		
4-225-04271	4	13 28 21	+17.3	523	30	1		BANDS Eddies Streaks
	4					2		
	4					3		
5-225-04271	5	13 26 50	+15.8	541	36	1		
	5					2		
	5					3		
6-225-04271	6	13 25 19	+14.3	561	41	1		
	6					2		
	6					3		
7-225-04271	7	13 23 48	+12.8	582	46	1		
	7					2		
	7					3		
8-225-04271	8	13 22 17	+11.3	604	51	1		CUFM Cb Ci Streaks
	8					2		
	8					3		
9-225-04271	9	13 20 46	+ 9.8	627	58	1		
	9					2		
	9					3		
10-225-04271	10	13 19 15	+ 8.2	650	64	1		
	10					2		
	10					3		
11-225-04271	11	13 17 44	+ 6.7	674	69	1		TROPICAL STORM Apparent Early Stage of Hurricane Gladys
	11					2		
	11					3		
12-225-04271	12	13 16 13	+ 5.2	698	74	1		
	12					2		
	12					3		
13-225-04271	13	13 14 42	+ 3.7	722	80	1		
	13					2		
	13					3		
14-225-04271	14	13 13 11	+ 2.2	746	84	1		ITC
	14					2		
	14					3		
15-225-04271	15	13 11 40	+ 0.7	770	85	1		
	15					2		
	15					3		
16-225-04271	16	13 10 09	- 0.9	793	81	1		CUFM Cellular Large Cells Fibrous
	16					2		
	16					3		
17-225-04271	17	13 08 38	- 2.4	815	77	1		
	17					2		
	17					3		
18-225-04271	18	13 07 07	- 3.9	837	72	1		
	18					2		
	18					3		
19-225-04271	19	13 05 36	- 5.4	857	67	1		
	19					2		
	19					3		
20-225-04271	20	13 04 05	- 6.9	876	61	1		
	20					2		
	20					3		
21-225-04271	21	13 02 34	- 8.5	894	56	1		FRONTAL BANDS Wave Vicinity 43 S Eddies Streaks
	21					2		
	21					3		
22-225-04271	22	13 01 03	-10.0	910	51	1		
	22					2		
	22					3		
23-225-04271	23	12 59 32	-11.5	923	46	1		
	23					2		
	23					3		
24-225-04271	24	12 58 01	-13.0	935	41	1		
	24					2		
	24					3		
25-225-04271	25	12 56 30	-14.5	945	36	1		
	25					2		
	25					3		
26-225-04271	26	12 54 59	-16.0	953	30	1		
	26					2		
	26					3		
27-225-04271	27	12 53 28	-17.6	958	25	1		
	27					2		
	27					3		
28-225-04271	28	12 51 57	-19.1	960	20	1		APPARENT CLOUDS
	28					2		
	28					3		
29-225-04271	29	12 50 26	-20.6	960	15	1		
	29					2	ANTARCTICA	
	29					3		
30-225-04271	30	12 48 55	-22.1	958	10	1		
	30					2		
	30					3		
31-225-04271	31	12 47 24	-23.6	953	5	1		
	31					2		
	31					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 12 Track 10

DATA ORBIT 224/225
DATE 12 September 1964
ASC. NODE 16 27 53 UT
72.35 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-227-60612	1	16 48 08	+20.3	489	18	1		BANDS Some Frontal Eddies Streaks Streets
	1					2		
	1					3		
2-227-60612	2	16 46 37	+18.7	504	23	1		
	2					2		
	2					3		
3-227-60612	3	16 45 06	+17.2	521	29	1		
	3					2		
	3					3		
4-227-60612	4	16 43 35	+15.7	540	34	1		
	4					2		
	4					3		
5-227-60612	5	16 42 04	+14.2	559	41	1		
	5					2		
	5					3		
6-225-04271	6	16 31 27	+ 3.6	719	79	1	Panama	MOSTLY CLEAR Some Cb
	6					2	N. Columbia Cst.	
	6					3	Gulf of Venezuela	
7-225-04271	7	16 29 56	+ 2.1	743	84	1	SOUTH AMERICA Andes Mts., Snow Covered Amazon & Negro Rivers Lakes Titicaca, Poopo & Chiquita Numerous Salt Marshes Gulf of San Jorge	MOSTLY CLOUD COVERED Cufm Stfm Streaks Fibrous
	7					2		
	7					3		
8-225-04271	8	16 28 25	+ 0.5	766	84	1		
	8					2		
	8					3		
9-225-04271	9	16 26 54	- 1.0	791	81	1		
	9					2		
	9					3		
10-225-04271	10	16 25 23	- 2.5	815	77	1		MOSTLY CUFM Large Cellular Field over Water St along Cst. Small Cu over Land
	10					2		
	10					3		
11-225-04271	11	16 23 52	- 4.0	835	71	1		
	11					2		
	11					3		
12-225-04271	12	16 22 21	- 5.5	856	66	1		
	12					2		
	12					3		
13-225-04271	13	16 20 50	- 7.1	874	61	1		
	13					2		
	13					3		
14-225-04271	14	16 19 19	- 8.6	892	56	1		
	14					2		
	14					3		
15-225-04271	15	16 17 48	-10.1	908	51	1		BANDS Some Frontal Eddies Numerous Streaks
	15					2		
	15					3		
16-225-04271	16	16 16 17	-11.6	926	46	1		
	16					2		
	16					3		
17-225-04271	17	16 14 46	-13.1	936	41	1		
	17					2		
	17					3		
18-225-04271	18	16 13 15	-14.6	945	36	1		
	18					2		
	18					3		
19-225-04271	19	16 11 44	-16.2	952	31	1		
	19					2		
	19					3		
20-225-04271	20	16 10 13	-17.7	957	25	1		
	20					2		
	20					3		
21-225-04271	21	16 08 42	-19.2	960	20	1	ANTARCTICA Palmer Pen. Weddell Sea	APPARENT CLOUDS Some Bands
	21					2		
	21					3		
22-225-04271	22	16 07 11	-20.7	961	15	1		
	22					2		
	22					3		
23-225-04271	23	16 05 40	-22.2	959	10	1		
	23					2		
	23					3		
24-225-04271	24	16 04 09	-23.7	954	3	1		
	24					2		
	24					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 12 Track 11

DATA ORBIT 225/226
DATE 12 September 1964
ASC. NODE 18 06 19 UT
96.96 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-226-60622	1	18 20 32	+14.2	560	41	1	Canadian Rockies & Columbia River Valley	MOSTLY CLEAR
	1					2		
	1					3		
2-226-60622	2	18 19 01	+12.7	580	47	1	Columbia River	
	2					2	Missouri & Yellowstone Rivers	
	2					3	Fort Peck & Garrison Reservoirs	
3-226-60622	3	18 17 30	+11.2	602	53	1	Great Salt Lake	
	3					2		
	3					3		
4-226-60622	4	18 15 59	+ 9.7	624	58	1		Cufm
	4					2		Multi-layered
	4					3		Multi-layered
5-226-60622	5	18 14 28	+ 8.2	648	64	1	Baja California & Mexico	Cufm
	5					2		Multi-layered
	5					3	Texas Cst.	Multi-layered
6-226-60622	6	18 12 57	+ 6.6	674	70	1	MEXICO	MOSTLY CUFM Few Cb Streaks
	6					2		
	6					3		
7-226-60622	7	18 11 26	+ 5.1	696	75	1		
	7					2		
	7					3		
8-226-60622	8	18 09 55	+ 3.6	720	80	1		
	8					2		
	8					3		
9-226-60622	9	18 08 24	+ 2.1	745	84	1		ITC
	9					2		
	9					3		
10-226-60622	10	18 06 53	+ 0.6	768	85	1		
	10					2		
	10					3		
11-226-60622	11	18 05 22	- 1.0	792	81	1		CUFM Large Cellular Field Actiniform
	11					2		
	11					3		
12-226-60622	12	18 03 51	- 2.5	814	76	1		
	12					2		
	12					3		
13-226-60622	13	18 02 20	- 4.0	838	71	1		
	13					2		
	13					3		
14-226-60622	14	18 00 49	- 5.5	856	66	1		
	14					2		
	14					3		
15-226-60622	15	17 59 18	- 7.0	875	61	1		
	15					2		
	15					3		
16-226-60622	16	17 57 47	- 8.5	893	56	1		FRONTAL BANDS Double Vortex Vicinity 60 S Eddies
	16					2		
	16					3		
17-226-60622	17	17 56 16	-10.1	908	51	1		
	17					2		
	17					3		
18-226-60622	18	17 54 45	-11.6	923	46	1		
	18					2	SOUTH AMERICA	
	18					3	S. Area	
19-226-60622	19	17 53 14	-13.1	935	41	1	Andes Mts.	
	19					2		
	19					3		
20-226-60622	20	17 51 43	-14.6	945	35	1		
	20					2		
	20					3		
21-226-60622	21	17 50 12	-16.1	952	30	1		
	21					2		
	21					3		
22-226-60622	22	17 48 41	-17.6	957	25	1		
	22					2		
	22					3		
23-226-60622	23	17 47 10	-19.2	960	20	1		
	23					2	ANTARCTICA	
	23					3	Palmer Pen.	
24-226-60622	24	17 45 39	-20.7	960	15	1	Weddell Sea	THIN CLOUDS
	24					2		
	24					3		
25-226-60622	25	17 44 08	-22.2	958	10	1		
	25					2		
	25					3		
26-226-60622	26	17 42 37	-23.7	953	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 12 Track 12

DATA ORBIT 226/227
DATE 12 September 1964
ASC. NODE 19 44 45 UT
121.56 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-227-60612	1	19 58 52	+14.1	558	41	1		FRONTAL BANDS St along Cst.
	1					2		
	1*					3		
2-227-60612	2	19 57 21	+12.6	579	47	1	NORTH AMERICA W. Cst.	
	2					2		
	2					3		
3-227-60612	3	1. 55 50	+11.1	601	52	1		
	3					2		
	3					3		
4-227-60612	4	19 54 19	+ 9.6	624	58	1		CUFM Cellular Large Cells St along Cst.
	4					2		
	4					3		
5-227-60612	5	19 52 48	+ 8.1	647	63	1		
	5					2		
	5					3		
6-227-60612	6	19 51 17	+ 6.5	671	69	1		
	6					2		
	6					3		
7-227-60612	7	19 49 46	+ 5.0	695	74	1		
	7					2		
	7					3		
8-227-60612	8	19 48 15	+ 3.5	719	80	1		ITC
	8					2		
	8					3		
9-227-60612	9	19 46 44	+ 2.0	743	83	1		
	9					2		
	9					3		
10-227-60612	10	19 45 13	+ 0.5	766	85	1		CUFM Cellular Fibrous
	10					2		
	10					3		
11-227-60612	11	19 43 42	- 1.1	790	81	1		
	11					2		
	11					3		
12-227-60612	12	19 42 11	- 2.6	807	78	1		
	12					2		
	12					3		
13-227-60612	13	19 40 40	- 4.1	835	72	1		
	13					2		
	13					3		
14-227-60612	14	19 39 09	- 5.6	854	67	1		
	14					2		
	14					3		
15-227-60612	15	19 37 38	- 7.1	874	61	1		
	15					2		
	15					3		
16-227-60612	16	19 36 07	- 8.6	892	56	1		FRONTAL BANDS Double Vortex Vicinity 60 S Apparent Old Vortex Vicinity 43 S Eddies
	16					2		
	16					3		
17-227-60612	17	19 34 36	-10.2	909	51	1		
	17					2		
	17					3		
18-227-60612	18	19 33 05	-11.7	922	46	1		
	18					2		
	18					3		
19-227-60612	19	19 31 34	-13.2	934	41	1		
	19					2		
	19					3		
20-227-60612	20	19 30 03	-14.7	944	35	1		
	20					2		
	20					3		
21-227-60612	21	19 28 32	-16.2	952	30	1		
	21					2		
	21					3		
22-227-60612	22	19 27 01	-17.7	957	25	1		
	22					2		
	22					3		
23-227-60612	23	19 25 30	-19.3	960	20	1		
	23					2		
	23					3		
24-227-60612	24	19 23 59	-20.8	961	15	1		
	24					2	ANTARCTICA	
	24					3		
25-227-60612	25	19 22 28	-22.3	959	10	1		THIN CLOUDS
	25					2		
	25					3		
26-227-60612	26	19 20 57	-23.8	954	5	1		
	26					2		
	26					3		

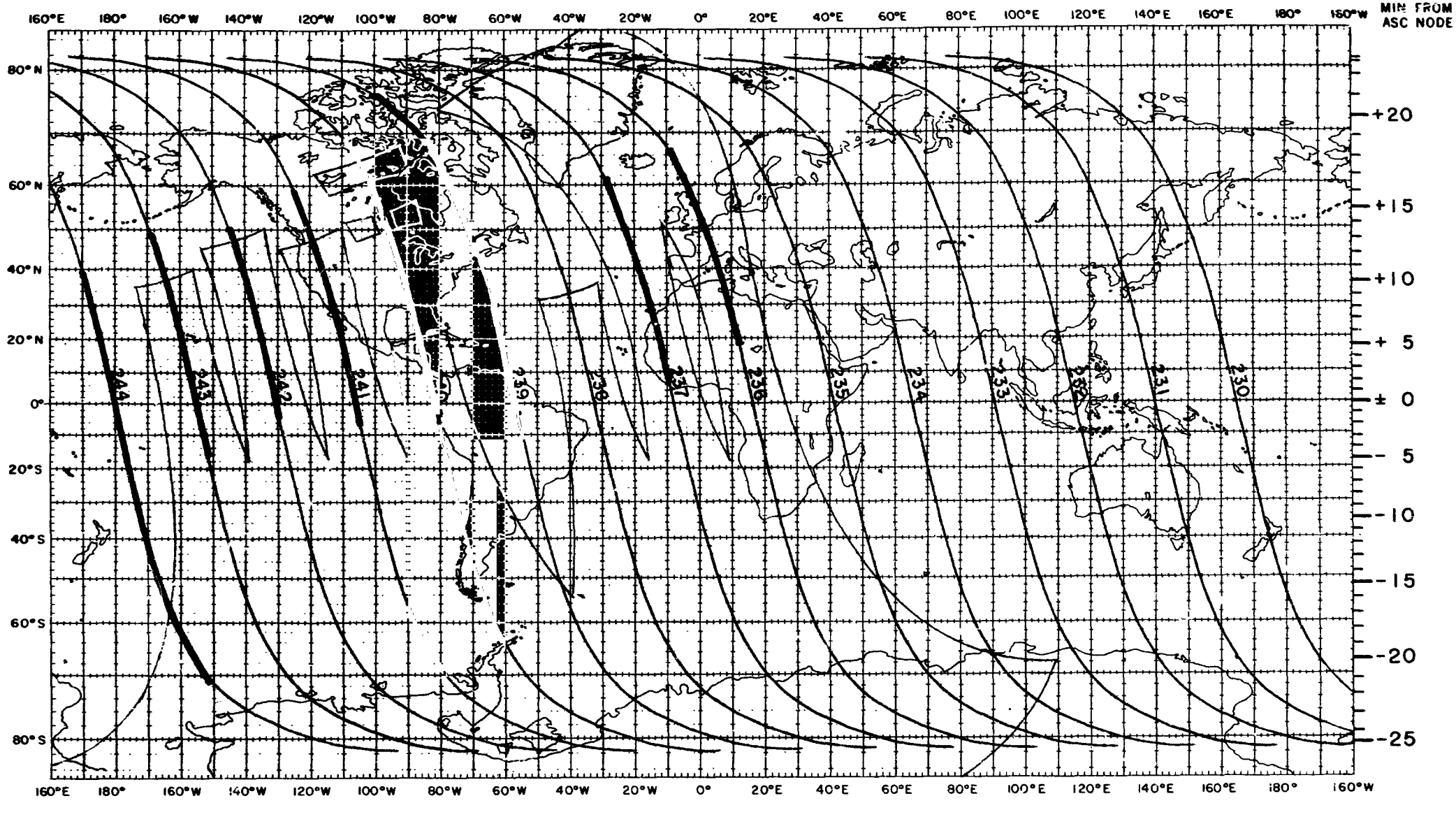
NIMBUS I DOCUMENTATION

13 September 1964

Orbits 229 through 244

AVCS DAILY COVERAGE MAP

13 SEPTEMBER 1964
ORBITS 229 TO 244

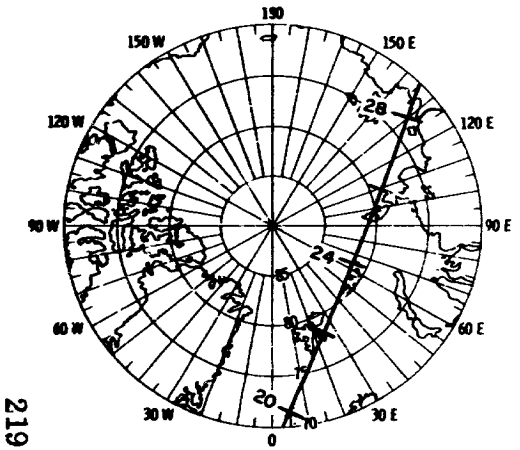


POLAR COVERAGE MAPS

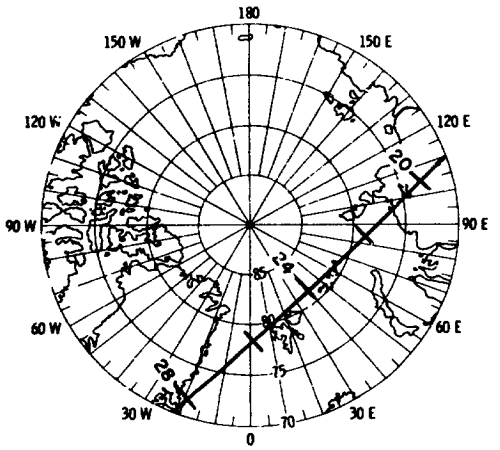
13 SEPTEMBER 1964

NORTH POLAR REGIONS

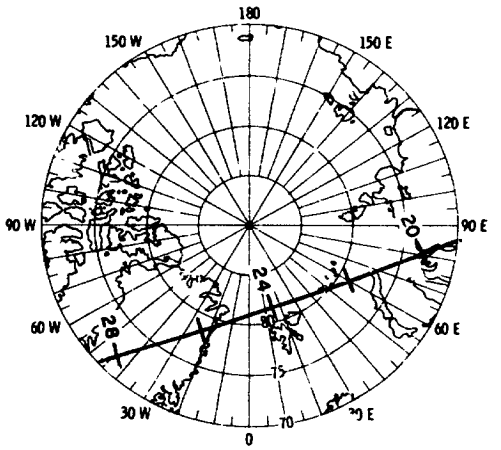
DATA ORBIT 230



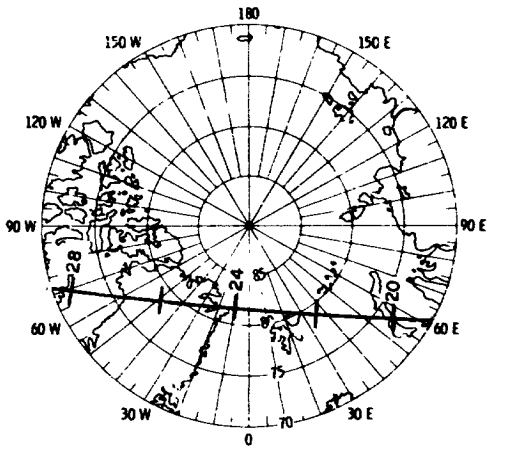
DATA ORBIT 231



DATA ORBIT 232

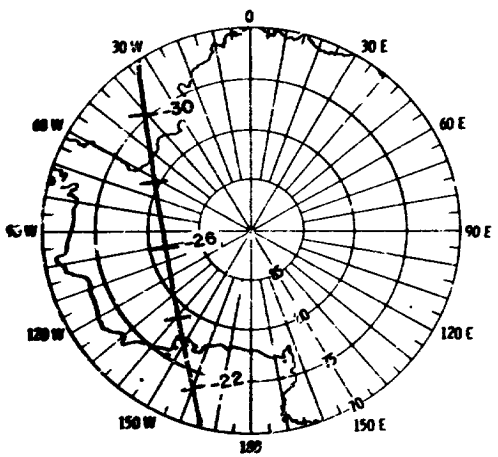


DATA ORBIT 233

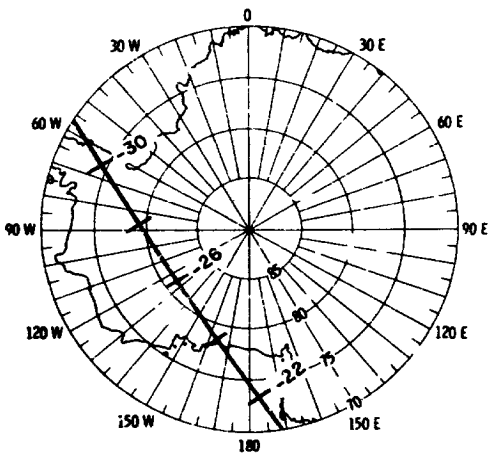


SOUTH POLAR REGIONS

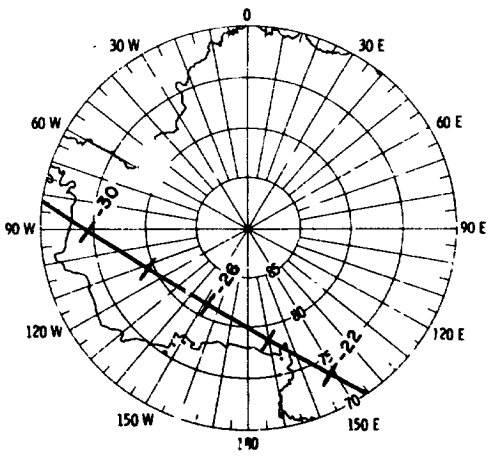
DATA ORBIT 229



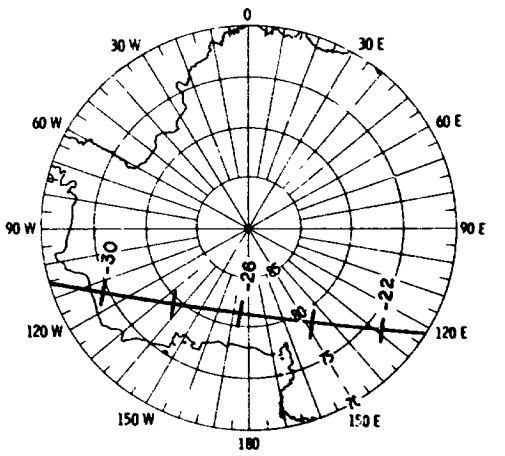
DATA ORBIT 230



DATA ORBIT 231



DATA ORBIT 232

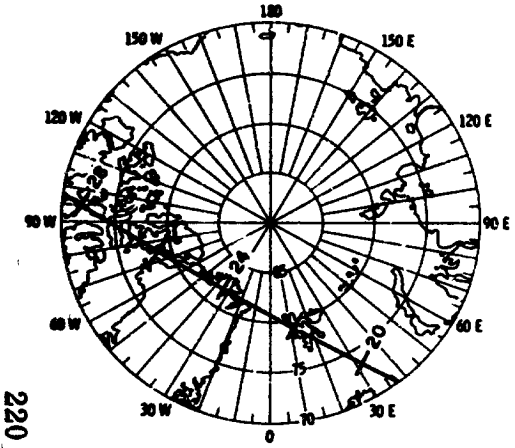


POLAR COVERAGE MAPS

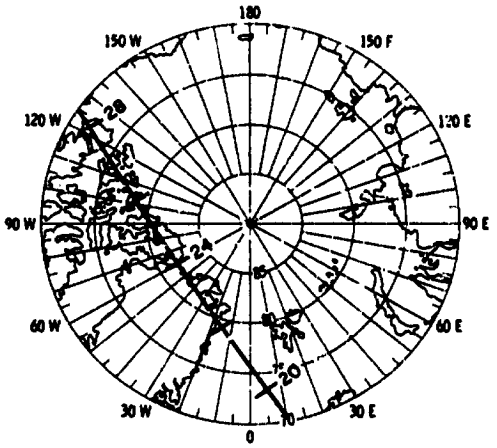
13 SEPTEMBER 1964

NORTH POLAR REGIONS

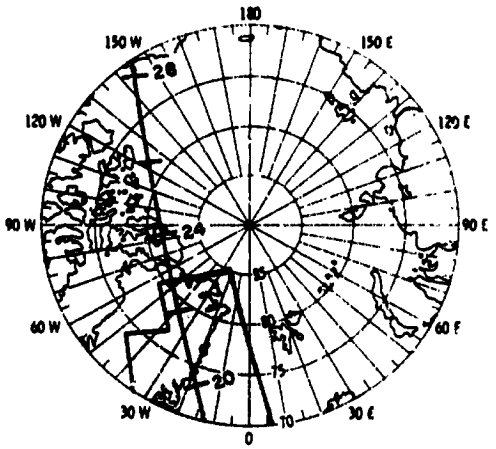
DATA ORBIT 234



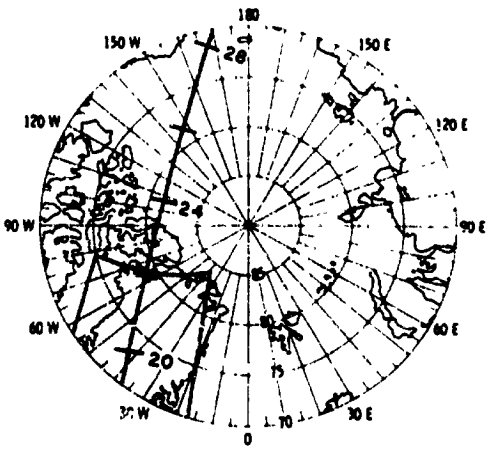
DATA ORBIT 235



DATA ORBIT 236

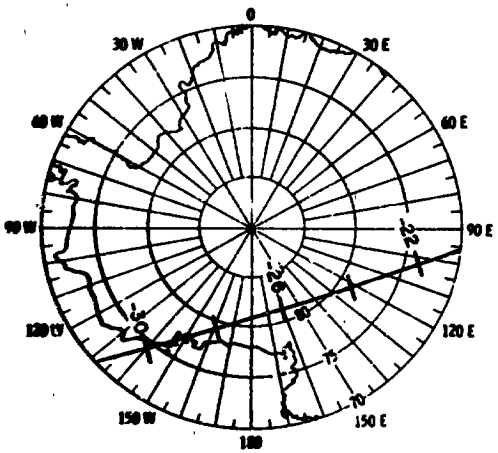


DATA ORBIT 237

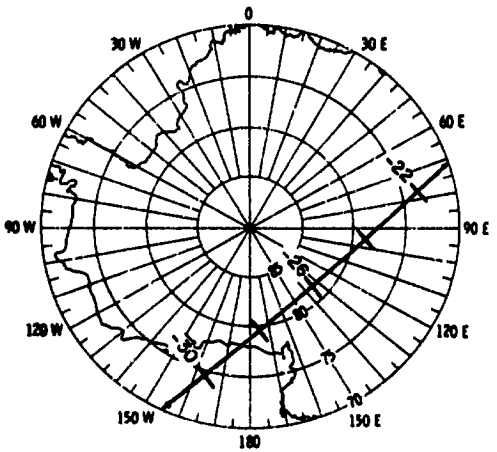


SOUTH POLAR REGIONS

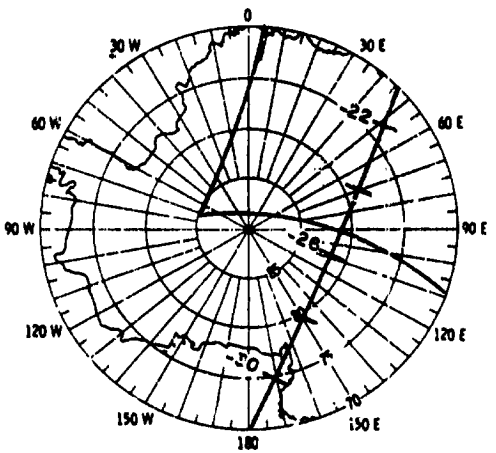
DATA ORBIT 233



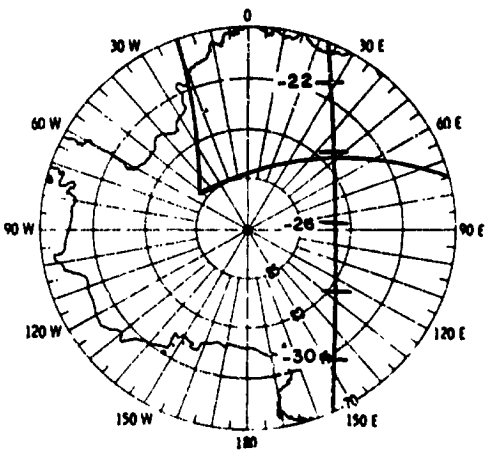
DATA ORBIT 234



DATA ORBIT 235



DATA ORBIT 236

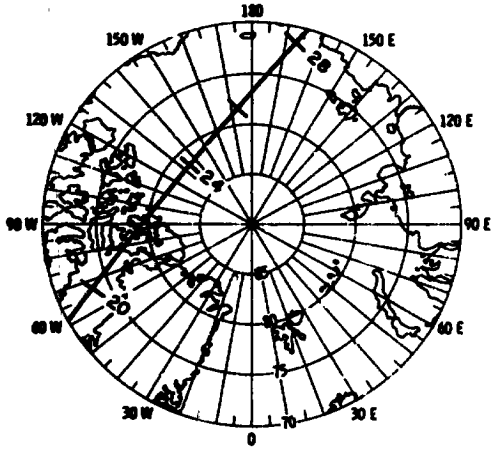


POLAR COVERAGE MAPS

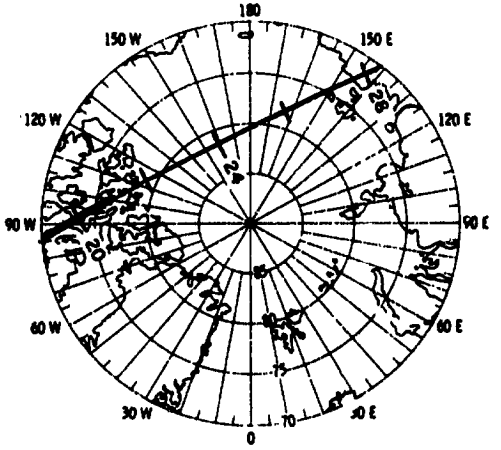
13 SEPTEMBER 1964

NORTH POLAR REGIONS

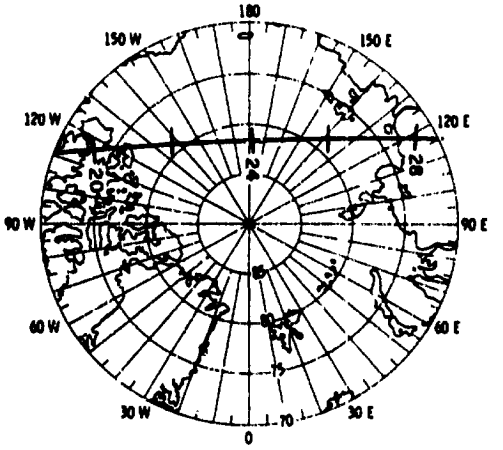
DATA ORBIT 238



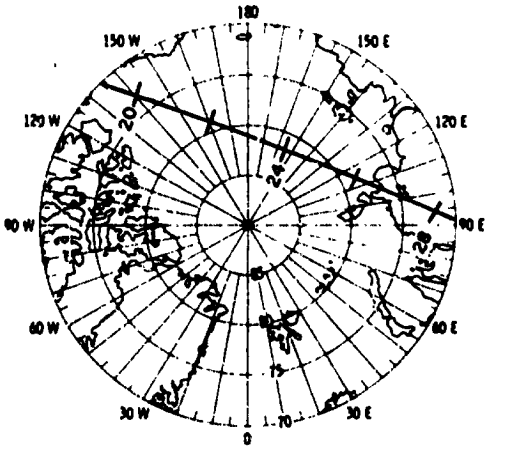
DATA ORBIT 239



DATA ORBIT 240

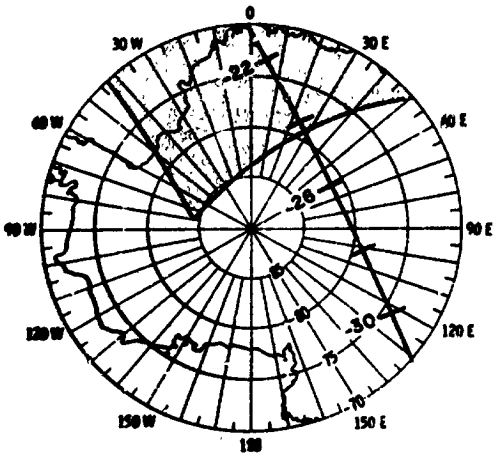


DATA ORBIT 241

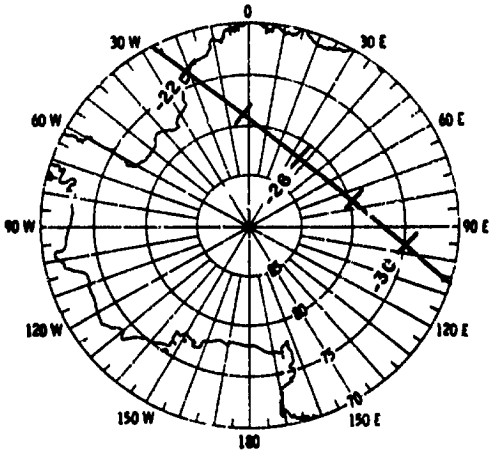


SOUTH POLAR REGIONS

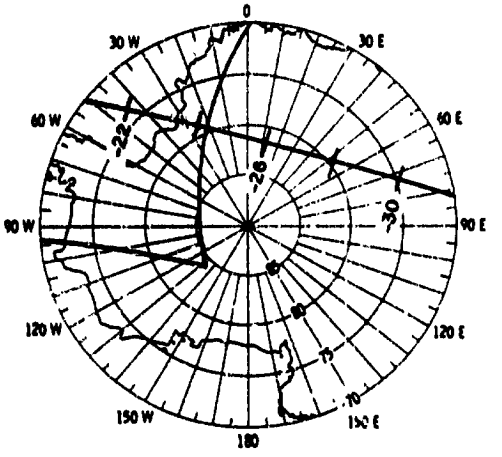
DATA ORBIT 237



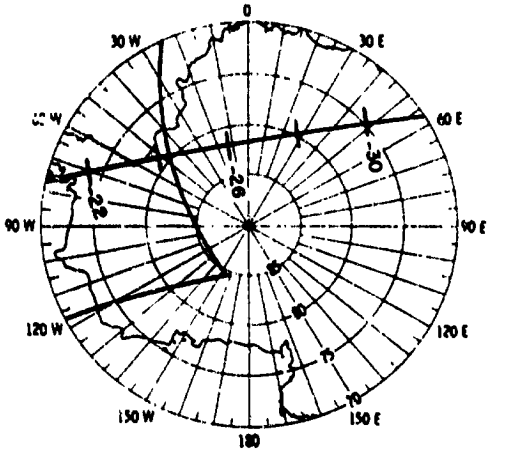
DATA ORBIT 238



DATA ORBIT 239



DATA ORBIT 240

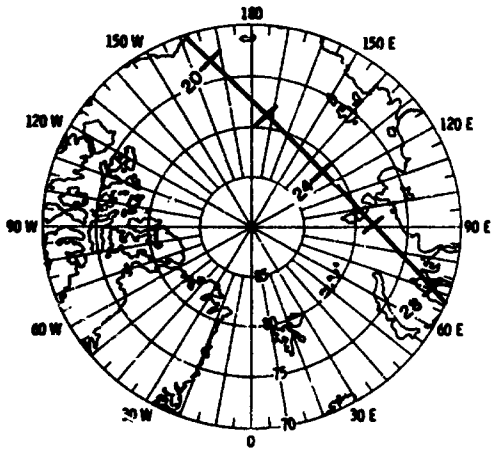


POLAR COVERAGE MAPS

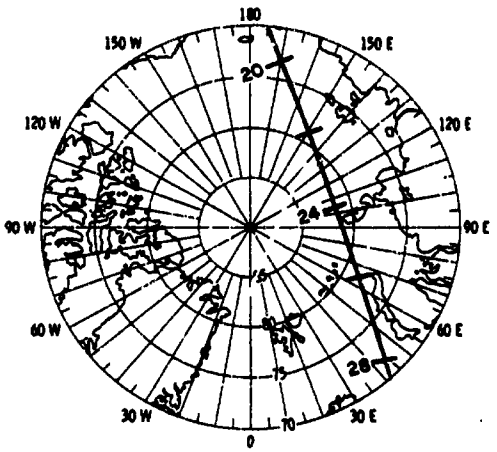
13 SEPTEMBER 1964

NORTH POLAR REGIONS

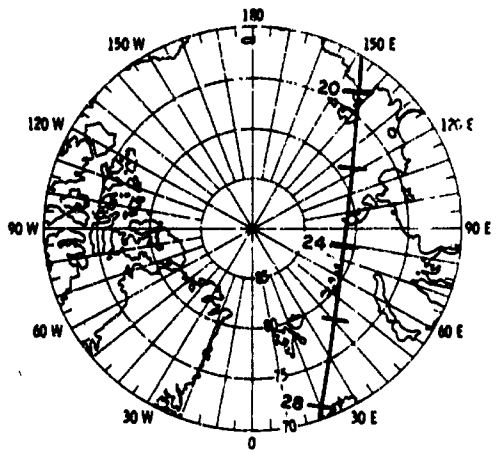
DATA ORBIT 242



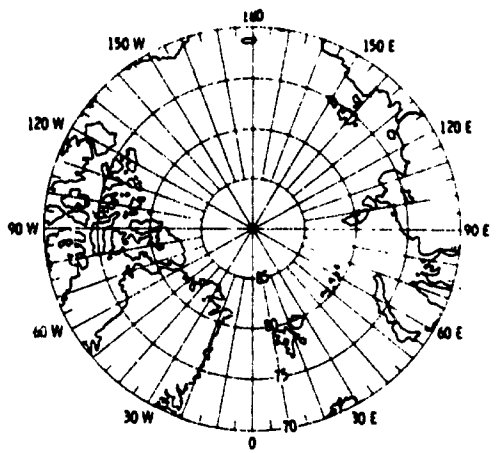
DATA ORBIT 243



DATA ORBIT 244

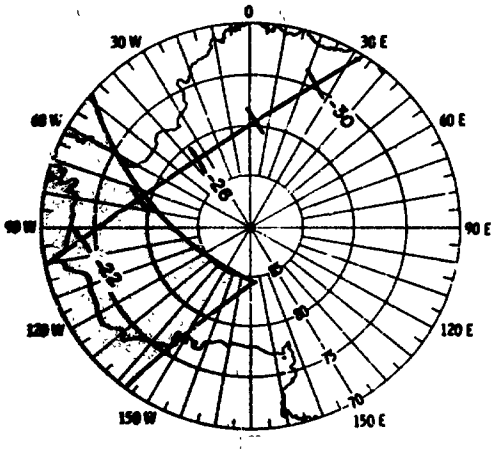


DATA ORBIT

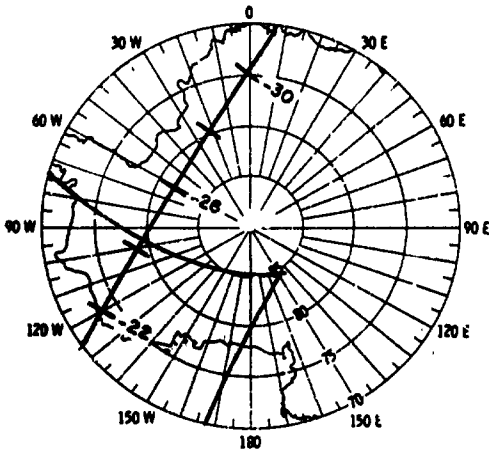


SOUTH POLAR REGIONS

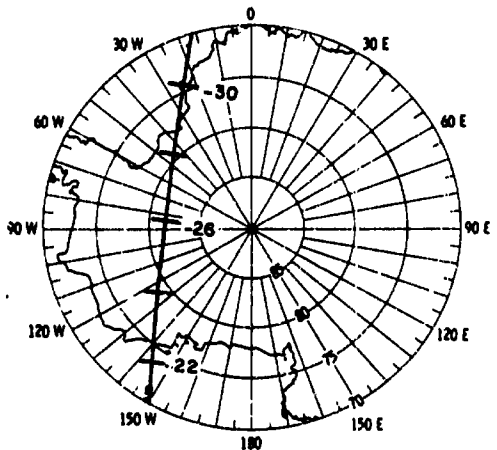
DATA ORBIT 241



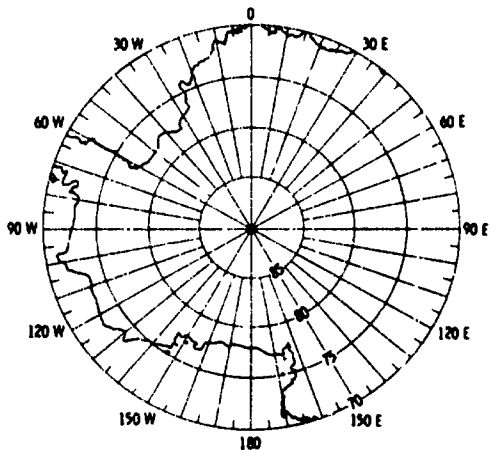
DATA ORBIT 242



DATA ORBIT 243



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 6

DATA ORBIT 235/236
DATE 13 September 1964
ASC. NODE 10 30 38 UT
17.01 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-236-60631	1*	10 53 10	+22.5	465	9	1		
	1					2	GREENLAND	SOME CLOUDS
	1					3	N.E. Cst.	
2-236-60631	2	10 51 39	+21.0	477	15	1	Ice Cap	
	2					2	Glaciers	
	2					3		
3-236-60631	3	10 50 08	+19.5	491	21	1		
	3					2		BANDS
	3					3		Cufm
4-236-60631	4	10 48 37	+18.0	506	27	1		Multi-layered
	4					2		Streaks
	4					3		Eddies
5-236-60631	5	10 47 06	+16.5	524	33	1		
	5					2		
	5					3		
6-236-60631	6	10 45 35	+15.0	542	38	1		
	6					2	England	
	6					3		
7-236-60631	7	10 44 04	+13.4	562	44	1	N.W. France	
	7					2	Cen. France	MOSTLY CLEAR
	7					3		
8-236-60631	8	10 42 33	+11.9	583	50	1	Spain & France	Cufm
	8					2	S. France	Cufm
	8					3	Italy & Corsica	Mostly Clear
9-236-60631	9	10 41 02	+10.4	605	55	1	Spain & Algeria	
	9					2	Sardinia P. Algeria	MOSTLY CLEAR
	9					3	Sicily, Italy & Tunisia	
10-236-60631	10	10 39 31	+ 8.9	628	61	1		
	10					2	AFRICA	
	10					3	Sahara	
11-236-60631	11	10 38 00	+ 7.4	651	67	1	Congo, Zambezi & Cuito Rivers	
	11					2	Okavango Swamps	
	11					3	Etosha Pan	
12-236-60631	12	10 36 29	+ 5.9	675	72	1		
	12					2		
	12					3		
13-236-60631	13	10 34 58	+ 4.3	700	77	1		
	13					2		
	13					3		
14-236-60631	14	10 33 27	+ 2.8	724	82	1		
	14					2		MOSTLY CUFM
	14					3		Some Stfm
15-236-60631	15	10 31 56	+ 1.3	748	85	1		
	15					2		
	15					3		
16-236-60631	16	10 30 25	- 0.2	772	83	1		
	16					2		
	16					3		
17-236-60631	17	10 28 54	- 1.7	795	79	1		
	17					2		
	17					3		
18-236-60631	18	10 27 23	- 3.3	818	74	1		
	18					2		
	18					3		
19-236-60631	19	10 25 52	- 4.8	840	69	1		
	19					2		MOSTLY CLEAR
	19					3		Some Cu
20-236-60631	20	10 24 21	- 6.3	860	64	1		
	20					2		
	20					3		
21-236-60631	21	10 22 50	- 7.8	879	59	1		
	21					2		FRONTAL BANDS
	21					3		Vortex Vicinity 49 S
22-236-60631	22	10 21 19	- 9.3	896	53	1		
	22					2		
	22					3		
23-236-60631	23	10 19 48	-10.8	912	48	1		
	23					2		
	23					3		
24-236-60631	24	10 18 17	-12.4	926	43	1		
	24					2		
	24					3		
25-236-60631	25	10 16 46	-13.9	937	38	1		
	25					2		
	25					3		
26-236-60631	26	10 15 15	-15.4	947	33	1		
	26					2		
	26					3		
27-236-60631	27	10 13 44	-16.9	954	28	1		
	27					2		
	27					3		
28-236-60631	28	10 12 13	-18.4	958	23	1		
	28					2		
	28					3		
29-236-60631	29	10 10 42	-19.9	961	17	1		
	29					2		
	29					3		
30-236-60631	30	10 09 11	-21.5	961	12	1		
	30					2	ANTARCTICA	APPARENT CLOUDS
	30					3		
31-236-60631	31	10 07 40	-23.0	958	7	1		
	31					2		
	31					3		
32-236-60631	32	10 06 09	-24.5	953	2	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 7

DATA ORBIT 236/237
DATE 13 September 1964
ASC. NODE 12 09 04 GMT
7.60 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-237-60626	1	12 30 50	+21.8	469	11	1	GREENLAND Cst. Ice Cap Glaciers	APPARENT CLOUDS
	1					2		
	1					3		
2-237-60626	2	12 29 19	+20.3	481	17	1		
	2					2		
	2					3		
3-237-60626	3	12 27 48	+18.7	496	23	1		
	3					2		
	3					3		
4-237-60626	4	12 26 17	+17.2	512	29	1		FRONTAL BANDS Waves
	4					2		
	4					3		
5-237-60626	5	12 24 46	+15.7	530	35	1		
	5					2		
	5					3		
6-237-60626	6	12 23 15	+14.2	549	41	1		
	6					2		
	6					3		
7-237-60626	7	12 21 44	+12.7	569	46	1		
	7					2		
	7					3		
8-237-60626	8	12 20 13	+11.2	590	51	1		
	8					2		
	8					3		
9-237-60626	9	12 18 42	+ 9.6	613	57	1	AFRICA N.W. Area Canary Is.	
	9					2		
	9					3		
10-237-60626	10	12 17 11	+ 8.1	636	63	1		
	10					2		
	10					3		
11-237-60626	11	12 15 40	+ 6.6	660	68	1		MOSTLY CLEAR
	11					2		
	11					3		
12-237-60626	12	12 14 09	+ 5.1	684	74	1		
	12					2		
	12					3		
13-237-60626	13	12 12 38	+ 3.6	708	79	1		ITC
	13					2		
	13					3		
14-237-60626	14	12 11 07	+ 2.1	733	83	1		
	14					2		
	14					3		
15-237-60626	15	12 09 36	+ 0.5	757	85	1		
	15					2		
	15					3		
16-237-60626	16	12 08 05	- 1.0	781	82	1		CUFM Large Cellular Field Some Bands Some Large Cells Streaks
	16					2		
	16					3		
17-237-60626	17	12 06 34	- 2.5	804	77	1		
	17					2		
	17					3		
18-237-60626	18	12 05 03	- 4.0	826	72	1		
	18					2		
	18					3		
19-237-60626	19	12 03 32	- 5.5	847	67	1		
	19					2		
	19					3		
20-237-60626	20	12 02 01	- 7.1	867	62	1		
	20					2		
	20					3		
21-237-60626	21	12 00 30	- 8.6	885	56	1		
	21					2		
	21					3		
22-237-60626	22	11 58 59	-10.1	902	51	1		
	22					2		
	22					3		
23-237-60626	23	11 57 28	-11.6	917	46	1		
	23					2		
	23					3		
24-237-60626	24	11 55 57	-13.1	930	41	1		
	24					2		
	24					3		
25-240-04408	25	11 52 55	-16.2	950	31	1		MOSTLY CLOUD COVERED Bands
	25					2		
	25					3		
26-240-04408	26	11 51 24	-17.7	956	26	1		
	26					2		
	26					3		
27-240-04408	27	11 49 53	-19.2	960	21	1		
	27					2		
	27					3		
28-240-04408	28	11 48 22	-20.7	961	15	1	ANTARCTICA	APPARENT CLOUDS
	28					2		
	28					3		
29-240-04408	29	11 46 51	-22.2	960	10	1		
	29					2		
	29					3		
30-240-04408	30	11 45 20	-23.7	957	5	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 8

DATA ORBIT 237/238
DATE 13 September 1964
ASC. NODE 13 47 30 UT
32.20 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-240-04408	1	13 55 40	+ 8.2	634	63	1		CUFM Some Cb Fibrous
	1					2		
	1					3		
2-240-04408	2	13 54 09	+ 6.7	659	68	1		
	2					2		
	2					3		
3-240-04408	3	13 52 38	+ 5.1	682	74	1		TROPICAL STORM GLADYS E. Edge
	3					2		
	3					3		
4-240-04408	4	13 51 07	+ 3.6	707	79	1		
	4					2		
	4					3		
5-240-04408	5	13 49 36	+ 2.1	730	83	1		ITC
	5					2		
	5					3		
6-240-04408	6	13 48 05	+ 0.6	754	85	1		MOSTLY CLEAR Small Cu
	6					2		
	6					3		
7-240-04408	7	13 46 34	- 0.9	779	82	1	SOUTH AMERICA Brazil Cst.	
	7					2		
	7					3		
8-240-04408	8	13 45 03	- 2.5	802	77	1		CUFM Streaks
	8					2		
	8					3		
9-240-04408	9	13 43 32	- 4.0	825	72	1		
	9					2		
	9					3		
10-240-04408	10	13 42 01	- 5.5	846	67	1		FRONTAL SYSTEM Vortices Vicinity 32 S & 46 S
	10					2		
	10					3		
11-240-04408	11	13 40 30	- 7.0	865	62	1		
	11					2		
	11					3		
12-240-04408	12	13 38 59	- 8.5	884	57	1		
	12					2		
	12					3		
13-240-04408	13	13 37 28	-10.0	902	52	1		
	13					2		
	13					3		
14-240-04408	14	13 35 57	-11.6	916	46	1		
	14					2		
	14					3		
15-240-04408	15	13 34 26	-13.1	929	41	1		
	15					2		
	15					3		
16-240-04408	16	13 32 55	-14.6	941	36	1		
	16					2		
	16					3		
17-240-04408	17	13 31 24	-16.1	950	31	1		
	17					2		
	17					3		
18-240-04408	18	13 29 53	-17.6	956	26	1		
	18					2		
	18					3		
19-240-04408	19	13 28 22	-19.1	959	20	1		
	19					2		
	19					3		
20-240-04408	20	13 26 51	-20.7	961	14	1	ANTARCTICA	APPARENT CLOUDS
	20					2		
	20					3		
21-240-04408	21	13 25 20	-22.2	960	10	1		
	21					2		
	21					3		
22-240-04408	22	13 23 49	-23.7	957	6	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 10

DATA ORBIT 229/240
DATE 13 September 1964
ASC. NODE 17 04 22 UT
81.41 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-241-60639	1	17 21 33	+17.2	509	28	1		
	1					2		MULTI-LAYERED
	1					3		
2-242-60648	2	17 18 34	+14.2	547	41	1	Lake Manitoba	Bands
	2					2		
	2					3		Bands
3-240-04408	3	17 09 28	+ 5.1	680	73	1		
	3					2	CENTRAL AMERICA	CUFM Some Cb
	3					3		
4-240-04408	4	17 07 57	+ 3.6	705	79	1		
	4					2		
	4					3		
5-240-04408	5	17 06 26	+ 2.1	729	83	1		
	5					2		ITC
	5					3		
6-240-04408	6	17 04 55	+ 0.6	754	85	1		
	6					2	SOUTH AMERICA W. Cst. Area Falkland Is. Andes Mts. Salt Flats	
	6					3		
7-240-04408	7	17 03 24	- 1.0	778	82	1		
	7					2		CUFM Large Cellular Field St along Cst. Eddies
	7					3		
8-240-04408	8	17 01 53	- 2.5	801	77	1		
	8					2		
	8					3		
9-240-04408	9	17 00 22	- 4.0	823	72	1		
	9					2		
	9					3		
10-240-04408	10	16 58 51	- 5.5	844	67	1		
	10					2		
	10					3		
11-240-04408	11	16 57 20	- 7.0	865	62	1		
	11					2		
	11					3		
12-240-04408	12	16 55 49	- 8.6	883	57	1		
	12					2		
	12					3		
13-240-04408	13	16 54 18	-10.1	900	52	1		
	13					2		BANDS Streets Streaks
	13					3		
14-240-04408	14	16 52 47	-11.6	916	46	1		
	14					2		
	14					3		
15-240-04408	15	16 51 16	-13.1	929	41	1		
	15					2		
	15					3		
16-240-04408	16	16 49 45	-14.6	940	36	1		
	16					2		
	16					3		
17-240-04408	17	16 48 14	-16.1	949	31	1		
	17					2		BANDS Eddies Streaks
	17					3		
18-240-04408	18	16 46 43	-17.7	956	26	1		
	18					2		
	18					3		
19-240-04408	19	16 45 12	-19.2	959	21	1		
	19					2		
	19					3		
20-240-04408	20	16 43 41	-20.7	961	16	1		
	20					2		
	20					3		
21-240-04408	21	16 42 10	-22.2	961	10	1		
	21					2	ANTARCTICA	
	21					3		
22-240-04408	22	16 40 39	-23.7	957	5	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 11

DATA ORBIT 240/241
DATE 13 September 1964
ASC. NODE 18 42 48 GT
106.01 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-241-60639	1	18 55 25	+12.6	566	46	1	Columbia River	
	1					2	Columbia & Snake Rivers	MOSTLY CLEAR Bands along Cst. Fog/St in San Francisco Bay Area
	1					3		
2-241-60639	2	18 53 54	+11.1	588	52	1	Lakes Pyramid, Tahoe & Walker	
	2					2	Humboldt River	
	2					3	Great Salt Lake	
3-241-60639	3	18 52 23	+ 9.6	610	58	1	S. California	
	3					2	Salton Sea	CUFM & STFM Cellular Field over Water Eddies S. of Guadalupe I.
	3					3		
4-241-60639	4	18 50 52	+ 8.1	633	63	1	Guadalupe I.	
	4					2	Gulf of California	
	4							
5-241-60639	5	18 49 21	+ 6.6	657	69	1		
	5					2	Baja California	CUFM Some Cb Fibrous Streaks
	5					3	W. Mexico Cst.	
6-241-60639	6	18 47 50	+ 5.0	681	74	1		
	6					2		
	6					3	W. Mexico Cst.	
7-241-60639	7	18 46 19	+ 3.5	705	79	1		
	7					2		
	7					3		
8-241-60639	8	18 44 48	+ 2.0	729	83	1		
	8					2		ITC
	8					3		
9-241-60639	9	18 43 17	+ 0.5	754	85	1		
	9					2		
	9					3		
10-241-60639	10	18 41 46	- 1.0	778	82	1		
	10					2		CUFM Large Cellular Field Actiniform Some Bands
	10					3		
11-241-60639	11	18 40 15	- 2.6	801	77	1		
	11					2		
	11					3		
12-241-60639	12	18 38 44	- 4.1	823	72	1		
	12					2		
	12					3		
13-241-60639	13	18 37 13	- 5.6	844	67	1		
	13					2		
	13					3		
14-241-60639	14	18 35 42	- 7.1	865	62	1		
	14					2		
	14					3		
15-241-60639	15	18 34 11	- 8.6	884	57	1		
	15					2		FRONTAL BANDS Numerous Eddies
	15					3		
16-241-60639	16	18 32 40	-10.1	900	52	1		
	16					2		
	16					3		
17-241-60639	17	18 31 09	-11.6	916	46	1		
	17					2		
	17					3		
18-241-60639	18	18 29 38	-13.2	929	41	1		
	18					2		
	18					3		
19-241-60639	19	18 28 07	-14.7	940	36	1		
	19					2		
	19					3		
20-241-60639	20	18 26 36	-16.2	949	31	1		
	20					2		
	20					3		
21-241-60639	21	18 25 05	-17.7	956	26	1		
	21					2		
	21					3		
22-241-60639	22	18 23 34	-19.2	959	21	1		
	22					2		
	22					3		
23-241-60639	23	18 22 03	-20.7	961	16	1		
	23					2	ANTARCTICA	APPARENT CLOUDS
	23					3		
24-241-60639	24	18 20 32	-22.3	961	10	1		
	24					2		
	24					3		
25-241-60639	25	18 19 01	- 23.8	957	5	1		
	25					2		
	25					3		

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AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 12

DATA ORBIT 241/242
DATE 13 September 1964
ASC. NODE 20 21 14 UT
130.61W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-242-60648	1	20 33 53	+12.7	565	46	1		
	1					2		MULTI-LAYERS
	1					3		
2-242-60648	2	20 32 22	+11.1	587	52	1		
	2					2		CUFM
	2					3		Bands
3-242-60648	3	20 30 51	+ 9.6	609	57	1		
	3					2		
	3					3		
4-242-60648	4	20 29 20	+ 8.1	631	63	1		
	4					2		CUFM
	4					3		Cellular
5-242-60648	5	20 27 49	+ 6.6	665	68	1		Fibrous
	5					2		
	5					3		
6-242-60648	6	20 26 18	+ 5.1	679	74	1		
	6					2		
	6					3		
7-242-60648	7	20 24 47	+ 3.6	704	79	1		
	7					2		ITC
	7					3		
8-242-60648	8	20 23 16	+ 2.0	728	84	1		
	8					2		
	8					3		
9-242-60648	9	20 21 45	+ 0.5	752	85	1		
	9					2		CUFM
	9					3		Some Large Cells
10-242-60648	10	20 20 14	- 1.0	776	82	1		Fibrous
	10					2		Streets
	10					3		
11-242-60648	11	20 18 43	- 2.5	799	77	1		
	11					2		
	11					3		
12-242-60648	12	20 17 12	- 4.0	822	72	1		
	12					2		
	12					3		
13-242-60648	13	20 15 41	- 5.6	844	67	1		
	13					2		
	13					3		
14-242-60648	14	20 14 10	- 7.1	866	62	1		
	14					2		
	14					3		
15-242-60648	15	20 12 39	- 8.6	882	57	1		
	15					2		FRONTAL BANDS
	15					3		Eddies
16-242-60648	16	20 11 08	-10.1	899	51	1		Cellular
	16					2		Streaks
	16					3		Fibrous
17-242-60648	17	20 09 37	-11.6	914	47	1		
	17					2		
	17					3		
18-242-60648	18	20 08 06	-13.1	928	41	1		
	18					2		
	18					3		
19-242-60648	19	20 06 35	-14.7	940	36	1		
	19					2		
	19					3		
20-242-60648	20	20 05 04	-16.2	949	31	1		
	20					2		
	20					3		
21-242-60648	21	20 03 33	-17.7	955	26	1		
	21					2		
	21					3		
22-242-60648	22	20 02 02	-19.2	960	20	1		
	22					2		
	22					3		
23-242-60648	23	20 00 31	-20.7	961	15	1		
	23					2	ANTARCTICA	
	23					3		
24-242-60648	24	19 59 00	-22.2	961	10	1		
	24					2		THIN CLOUDS
	24					3		
25-242-60648	25	19 57 29	-23.8	958	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 13 Track 13

DATA ORBIT 242/243
DATE 13 September 1964
ASC. NODE 21 59 39 UT
155.22W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-243-60654	1	22 09 20	+ 9.7	609	57	1		CUFM Some Cb Small Lines Eddies Fibrous
	1					2		
	1					3		
2-243-60654	2	22 07 49	+ 8.2	631	63	1		
	2					2		
	2					3		
3-243-60654	3	22 06 18	+ 6.7	654	68	1		
	3					2		
	3					3		
4-243-60654	4	22 04 47	+ 5.1	678	73	1		
	4					2		
	4					3		
5-243-60654	5	22 03 16	+ 3.6	703	78	1		
	5					2		
	5					3		
6-243-60654	6	22 01 45	+ 2.1	72[illegible]	83	1		ITC
	6					2		
	6					3		
7-243-60654	7	22 00 14	+ 0.6	751	85	1		
	7					2		
	7					3		
8-243-60654	8	21 58 43	- 0.9	775	82	1		MOSTLY CLEAR Small Cu
	8					2		
	8					3		
9-243-60654	9	21 57 12	- 2.5	799	77	1		
	9					2		
	9					3		
10-243-60654	10	21 55 41	- 4.0	821	72	1		BANDS Some Frontal Vortex Vicinity 48 S Apparent Storm Area Vicinity 30 S Eddies Shear Cellular Cu Streaks Fibrous
	10					2		
	10					3		
11-243-60654	11	21 54 10	- 5.5	842	67	1		
	11					2		
	11					3		
12-243-60654	12	21 52 39	- 7.0	862	61	1		
	12					2		
	12					3		
13-243-60654	13	21 51 08	- 8.5	881	56	1		
	13					2		
	13					3		
14-243-60654	14	21 49 37	-10.0	898	51	1		
	14					2		
	14					3		
15-243-60654	15	21 48 06	-11.6	914	46	1		
	15					2		
	15					3		
16-243-60654	16	21 46 35	-13.1	927	41	1		
	16					2		
	16					3		
17-243-60654	17	21 45 04	-14.6	939	36	1		
	17					2		
	17					3		
18-243-60654	18	21 43 3[illegible]	-16.1	948	31	1		
	18					2		
	18					3		
19-243-60654	19	21 42 02	-17.6	955	26	1		
	19					2		
	19					3		
20-243-60654	20	21 40 31	-19.1	960	21	1		
	20					2		
	20					3		
21-243-60654	21	21 39 00	-20.7	962	16	1		
	21					2		
	21					3		
22-243-60654	22	21 37 29	-22.2	962	11	1	ANTARCTICA	APPARENT CLOUDS
	22					2		
	22					3		
23-243-60654	23	21 35 58	-23.7	958	5	1		
	23					2		
	23					3		

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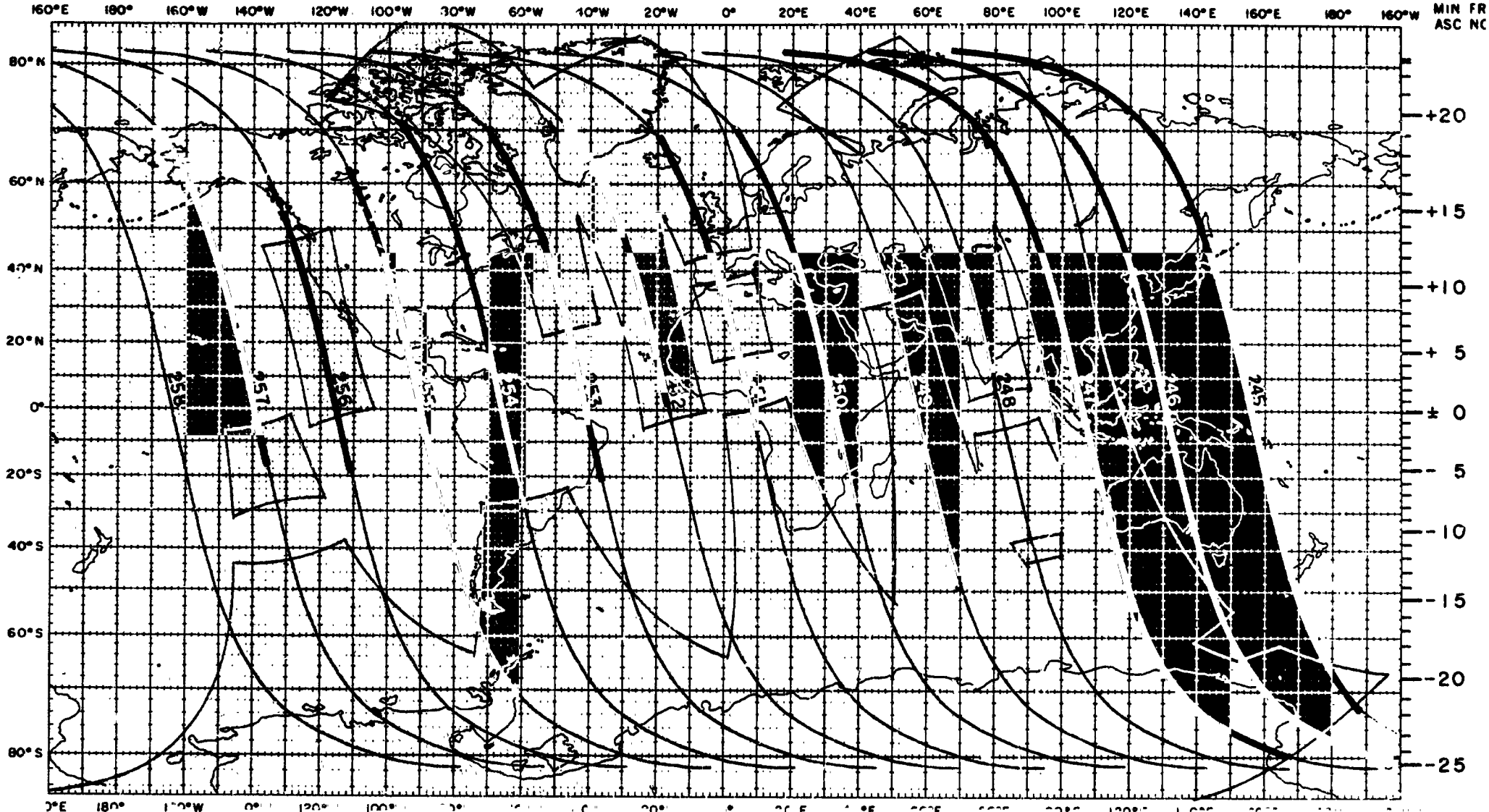
NIMBUS I DOCUMENTATION

14 September 1964

Orbits 244 through 258

AVCS DAILY COVERAGE MAP

14 SEPTEMBER 1964
ORBITS 244 TO 258

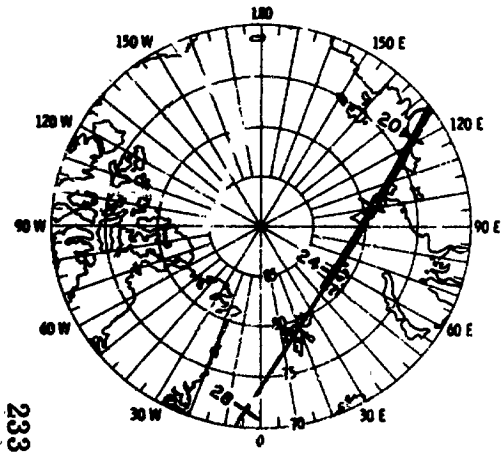


POLAR COVERAGE MAPS

14 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 245



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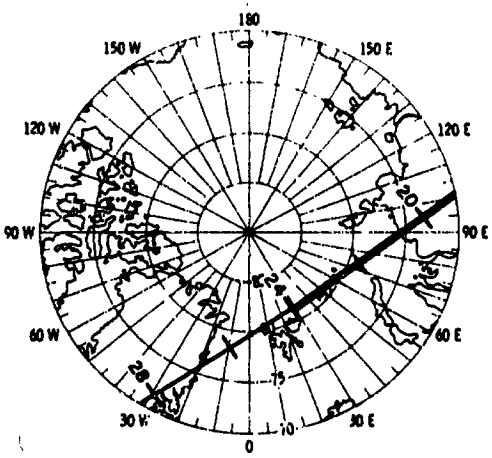
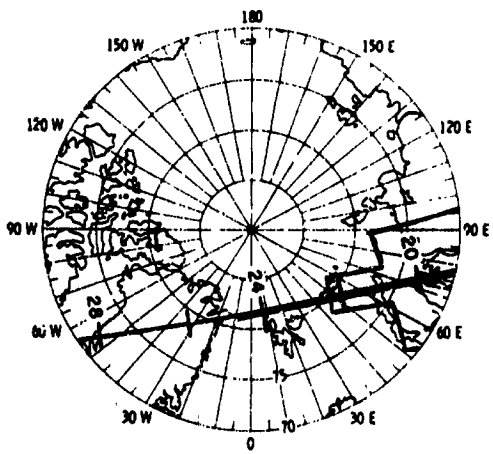
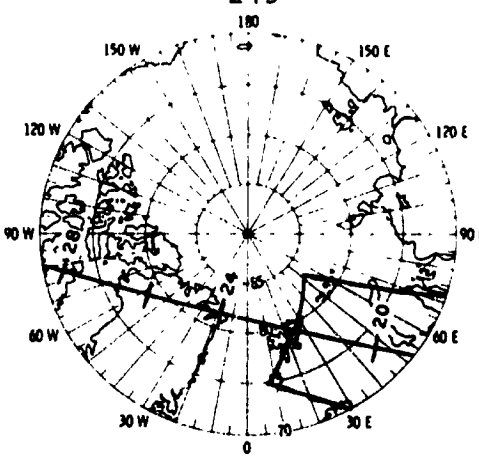


DATA ORBIT 247

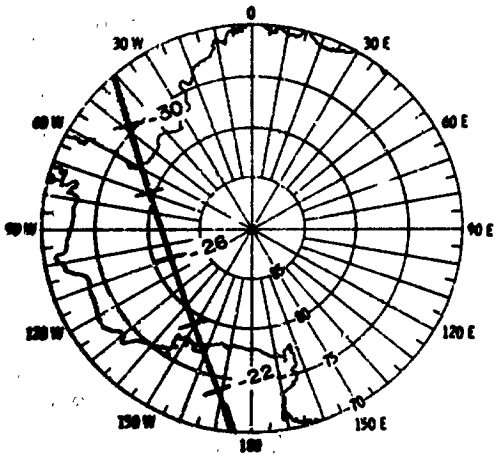


DATA ORBIT 248

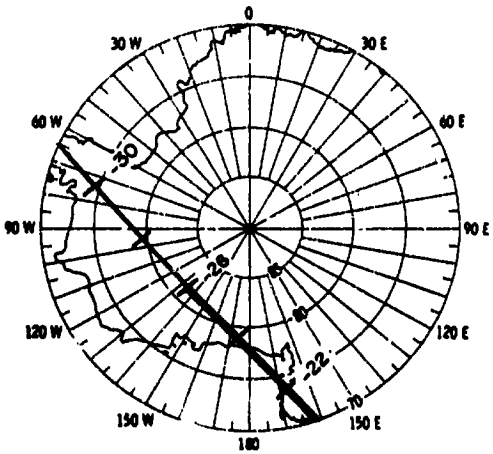


SOUTH POLAR REGIONS

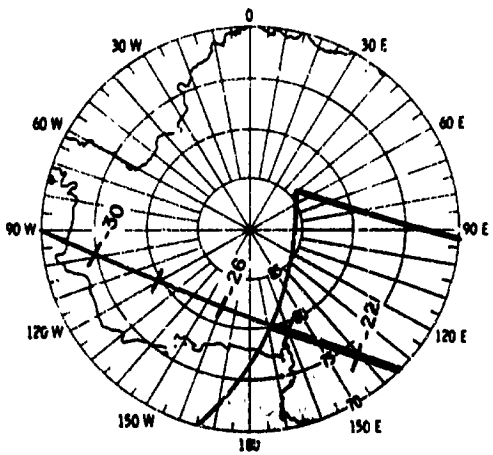
DATA ORBIT 244



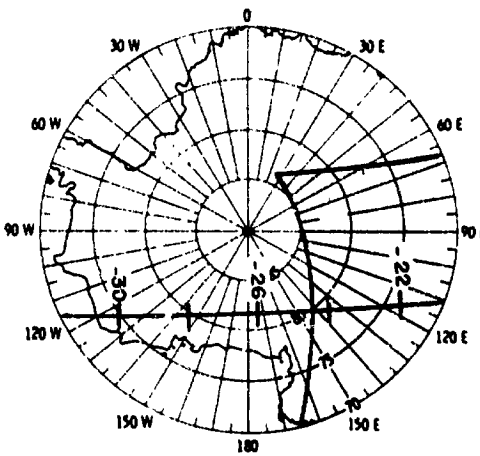
DATA ORBIT 245



DATA ORBIT 246



DATA ORBIT 247

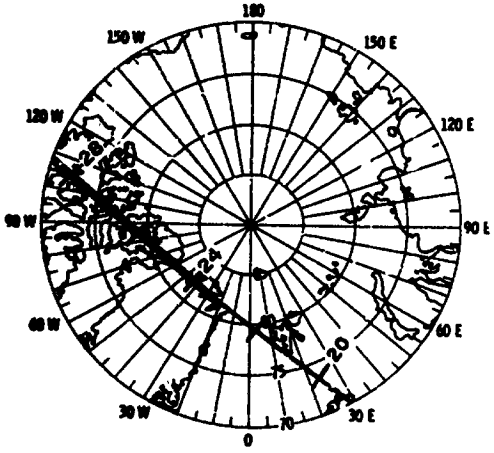


POLAR COVERAGE MAPS

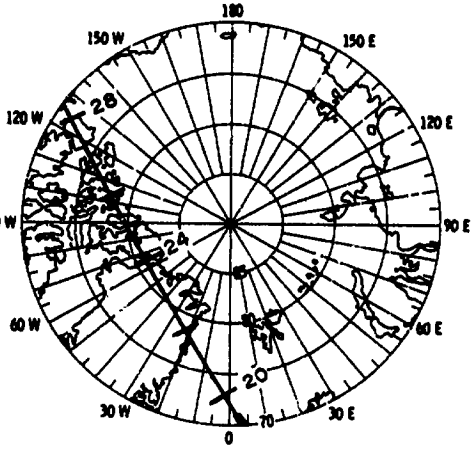
14 SEPTEMBER 1964

NORTH POLAR REGIONS

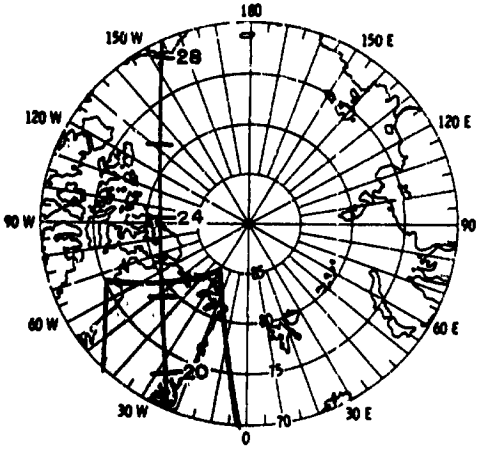
DATA ORBIT 249



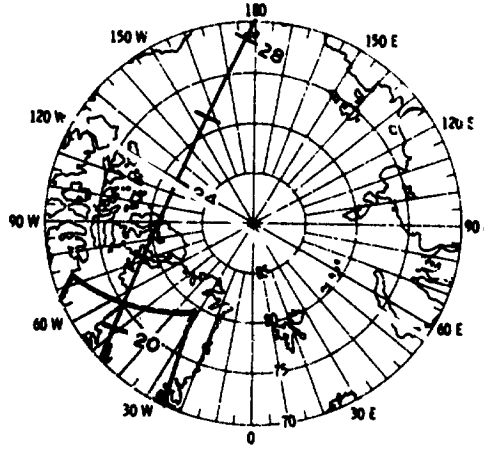
DATA ORBIT 250



DATA ORBIT 251

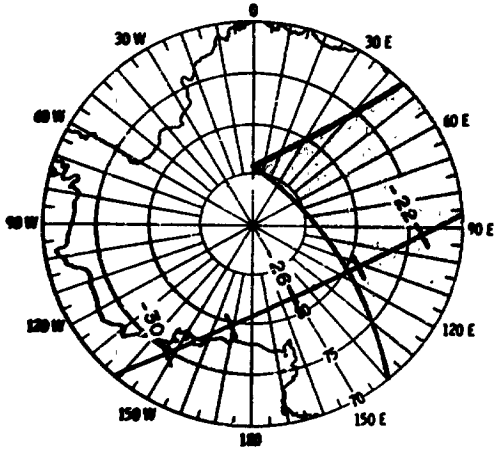


DATA ORBIT 252

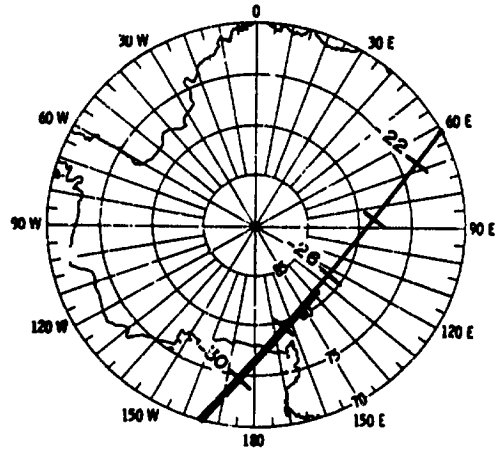


SOUTH POLAR REGIONS

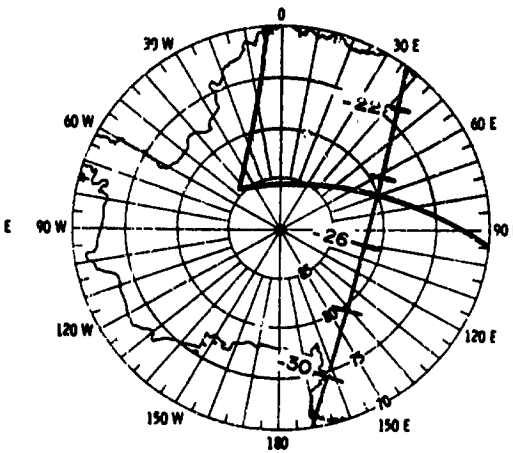
DATA ORBIT 248



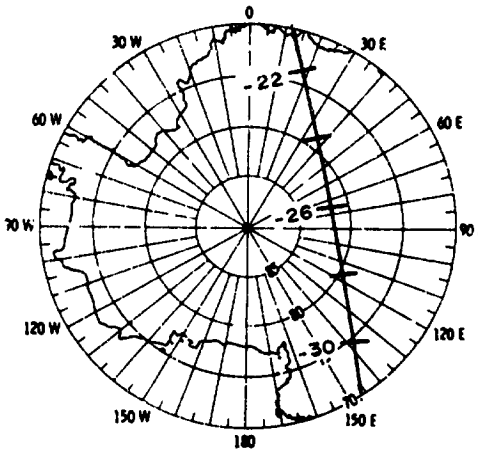
DATA ORBIT 249



DATA ORBIT 250



DATA ORBIT 251

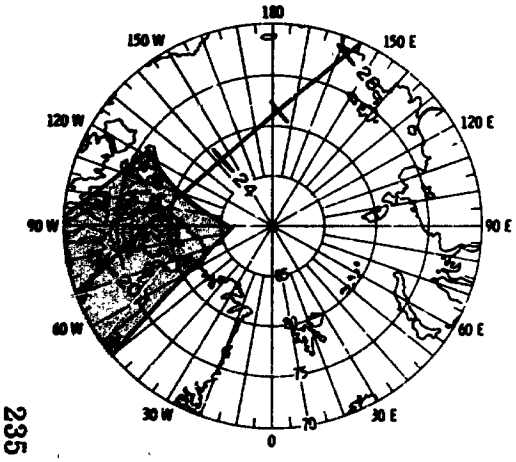


POLAR COVERAGE MAPS

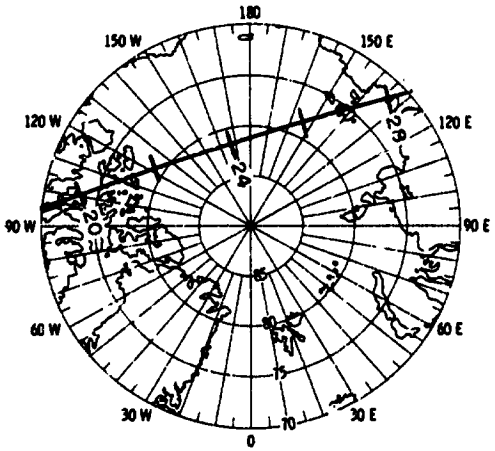
14 SEPTEMBER 1964

NORTH POLAR REGIONS

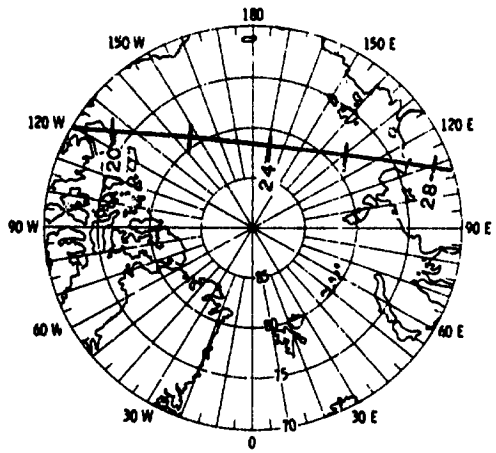
DATA ORBIT 253



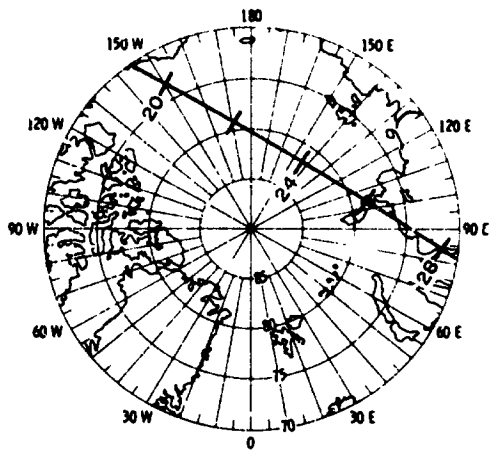
DATA ORBIT 254



DATA ORBIT 255

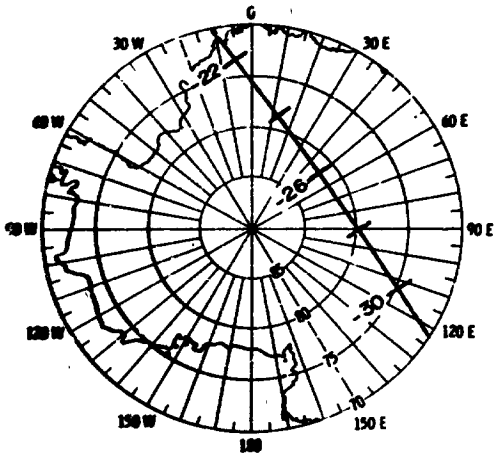


DATA ORBIT 256

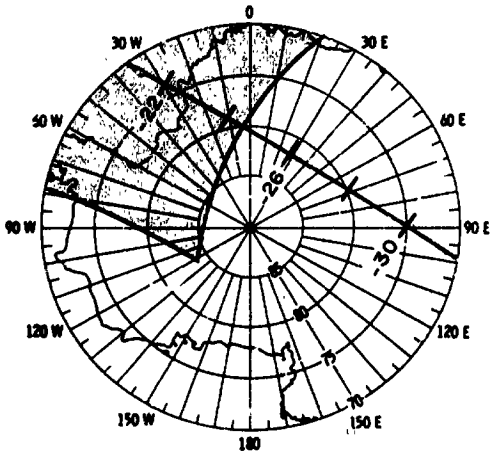


SOUTH POLAR REGIONS

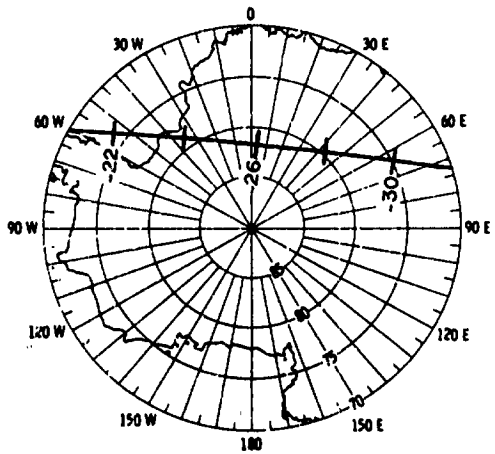
DATA ORBIT 252



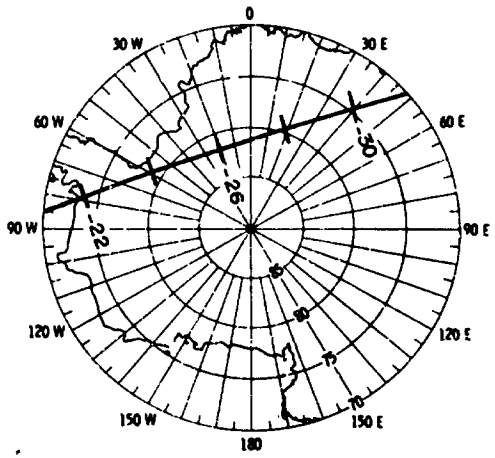
DATA ORBIT 253



DATA ORBIT 254



DATA ORBIT 255

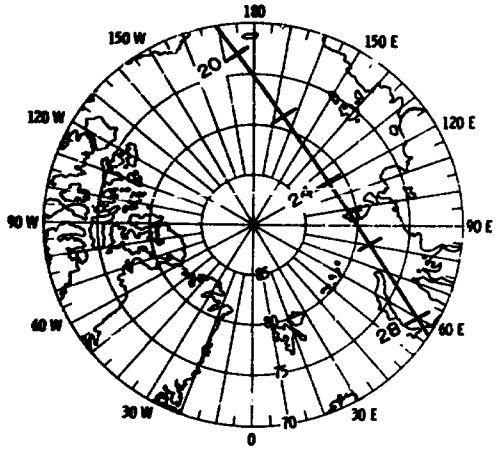


POLAR COVERAGE MAPS

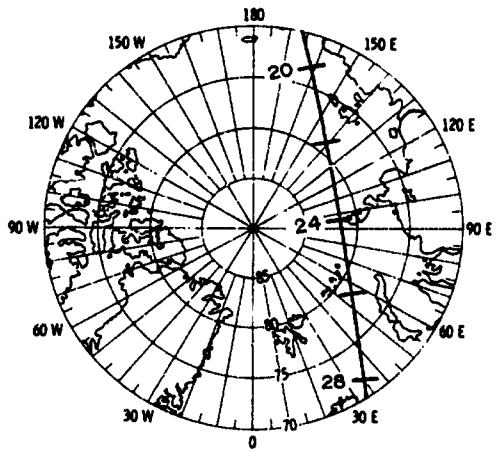
14 SEPTEMBER 1964

NORTH POLAR REGIONS

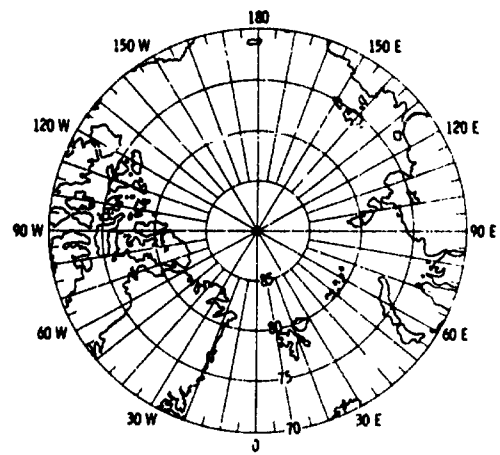
DATA ORBIT
257



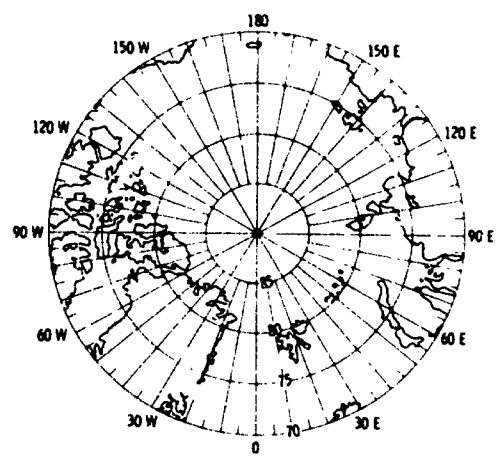
DATA ORBIT
258



DATA ORBIT

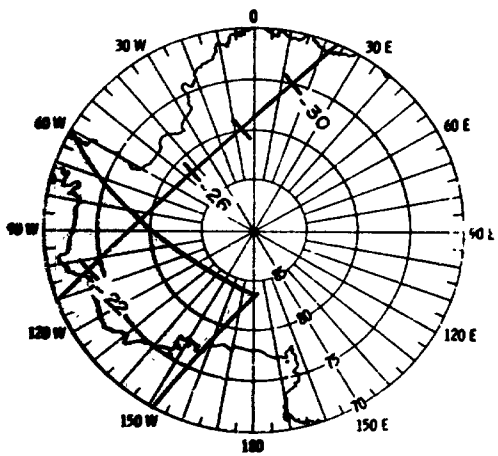


DATA ORBIT

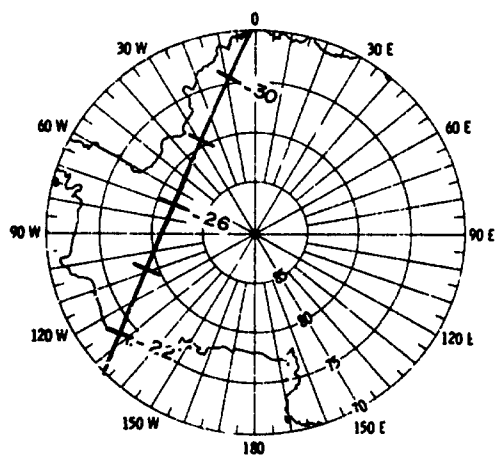


SOUTH POLAR REGIONS

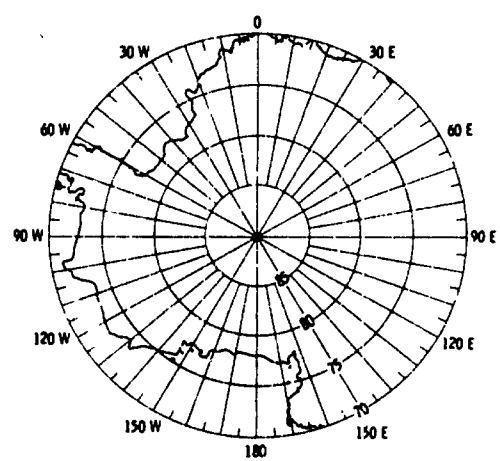
DATA ORBIT
256



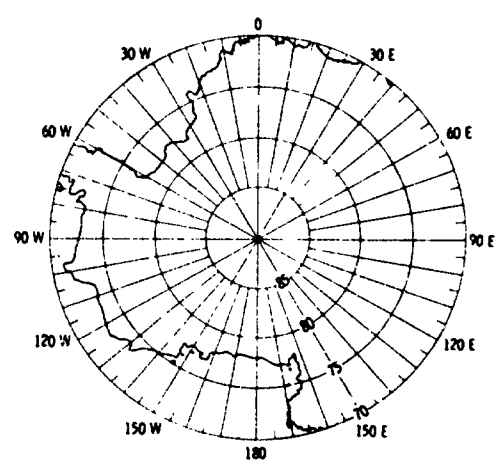
DATA ORBIT
257



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 3

DATA ORBIT 246/247
DATE 14 September 1964
ASC. NODE 04 33 23 UT
107.37E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-247-04422	1*	04 55 12	+21.8	465	11	1		FRONTAL BANDS Streaks Streets
	1					2		
	1*					3		
2-247-04422	2	04 53 41	+20.3	476	17	1		
	2					2		
	2					3		
3-247-04422	3	04 52 10	+18.8	490	23	1		
	3					2		
	3					3	Yenisey River	
4-247-04422	4	04 50 39	+17.3	505	28	1		
	4					2		
	4					3		
5-247-04422	5	04 49 08	+15.8	522	34	1		
	5					2		
	5					3		
6-247-04422	6	04 47 37	+14.2	540	39	1		Mostly Clear
	6					2	SNOW COVERED MTS.	Cufm
	6					3		Cufm
7-247-04422	7	04 46 06	+12.7	560	45	1	Lakes Ulyungun & Telli, Urungu River	
	7					2	Lake Durge & Dzabhan River	MOSTLY CLEAR Cu Streets
	7					3	Lake Boontsagaan	
8-247-04422	8	04 44 35	+11.2	582	51	1	Lake Bagrach	
	8					2		
	8					3		
9-247-04422	9	04 43 04	+ 9.7	604	57	1		
	9					2		MOSTLY CUFM Some Stfm
	9					3		
10-247-04422	10	04 41 33	+ 8.2	627	63	1		
	10					2		
	10					3		
11-247-04422	11	04 40 02	+ 6.7	650	68	1		MOSTLY CUFM Some Cb Streaks
	11					2		
	11					3		
12-247-04422	12	04 38 31	+ 5.1	674	74	1		
	12					2		TYPHOON VIOLET Vicinity 15 N
	12					3		
13-247-04422	13	04 37 00	+ 3.6	698	79	1		
	13					2	Lake Tunle	
	13					3		
14-247-04422	14	04 35 29	+ 2.1	722	83	1		
	14					2		
	14					3		
15-247-04422	15	04 33 58	+ 0.6	746	85	1		
	15					2		CUFM & STFM Small Cu over Land Streaks Cb
	15					3		
16-247-04422	16	04 32 27	- 0.9	770	82	1	Sumatra	
	16					2	Sumatra, Banka & Billiton Is.	
	16					3	Borneo	
17-247-04422	17	04 30 56	- 2.5	794	78	1		
	17					2	Java	MOSTLY CLEAR Small Lines of Cu
	17					3		
18-247-04422	18	04 29 25	- 4.0	817	73	1		
	18					2		
	18					3		
19-247-04422	19	04 27 54	- 5.5	839	67	1		
	19					2		FRONTAL BANDS Vortex Vicinity 49 S Eddies Streets Streaks Cellular
	19					3	Australia, Eighty Mile Beach	
20-247-04422	20	04 26 23	- 7.0	860	61	1		
	20					2		
	20					3		
21-247-04422	21	04 24 52	- 8.5	878	57	1		
	21					2		
	21					3		
22-247-04422	22	04 23 21	-10.0	896	51	1		
	22					2		
	22					3	S. Australia Cst.	
23-247-04422	23	04 21 50	-11.6	912	47	1		
	23					2		
	23					3		
24-247-04422	24	04 20 19	-13.1	926	41	1		
	24					2		
	24					3		
25-247-04422	25	04 18 48	-14.6	941	36	1		
	25					2		
	25					3		
26-247-04422	26	04 17 17	-16.1	947	31	1		
	26					2		
	26					3		
27-247-04422	27c	04 15 46	-17.6	954	26	1		
	27*					2		
	27					3		
28-247-04422	28	04 14 15	-19.1	959	21	1		
	28					2	ANTARCTICA Wilkes Land Ross Sea	
	28*					3		
29-247-04422	29	04 12 44	-20.7	962	16	1		APPARENT CLOUDS
	29					2		
	29					3		
30-247-04422	30	04 11 13	-22.2	961	10	1		
	30					2		
	30					3		
31-247-04422	31	04 09 42	-23.7	958	5	1		
	31					2		
	31					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 4

DATA ORBIT 247/248
DATE 14 September 1964
ASC. NODE 06 11 49 UT
81.77 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-250-60662	1	06 33 38	+21.8	464	11	1		BANDS Streaks
	1					2		
	1					3		
2-250-60662	2	06 32 07	+20.3	476	17	1		
	2					2		
	2					3		
3-250-60662	3	06 30 36	+18.8	490	23	1		
	3					2		
	3					3		
4-250-60662	4	06 29 05	+17.3	505	28	1		
	4					2		
	4					3		
5-250-60662	5	06 27 34	+15.8	522	34	1		Cufm Mostly Clear Streaks
	5					2		
	5					3		
6-250-60662	6	06 26 03	+14.2	540	39	1		MOSTLY CLEAR
	6					2		
	6					3		
7-250-60662	7	06 24 32	+12.7	560	45	1	Aral Sea	
	7					2		
	7					3	Lake Balkhash	
8-250-60662	8	06 23 01	+11.2	582	51	1	Amu (Oxus) River	
	8					2		
	8					3	Lake Issyik	
9-250-60662	9	06 21 30	+ 9.7	604	57	1		
	9					2	Himalaya Mts., Snow Covered	
	9					3	Himalaya Mts., Snow Covered	
10-250-60662	10	06 19 59	+ 8.2	627	63	1	Indus River Valley	
	10					2		
	10					3	Himalaya Mts., Snow Covered	
11-250-60662	11	06 18 28	+ 6.7	650	68	1		SMALL CU
	11					2		
	11					3		
12-250-60662	12	06 16 57	+ 5.1	674	74	1		CUFM, STFM & CIFM Small Cu few Cb
	12					2		
	12					3		
13-250-60662	13	06 15 26	+ 3.6	698	79	1		
	13					2		
	13					3		
14-250-60662	14	06 13 55	+ 2.1	722	83	1		
	14					2		
	14					3		
15-251-60669	15	06 10 53	- 0.9	771	82	1		CUFM & STFM Lines of Cu Some Cb Cifm
	15*					2		
	15					3		
16-251-60669	16	06 09 22	- 2.5	794	77	1		
	16					2		
	16					3		
17-251-60669	17	06 07 51	- 4.0	818	72	1		
	17					2		
	17					3		
18-251-60669	18	06 06 20	- 5.5	839	67	1		
	18					2		
	18					3		
19-251-60669	19	06 04 49	- 7.0	859	62	1		CUFM Cellular Some Bands
	19					2		
	19					3		
20-251-60669	20	06 03 18	- 8.5	879	57	1		
	20					2		
	20					3		
21-251-60669	21	06 01 47	-10.0	896	52	1		
	21					2		
	21					3		
22-256-60677	22	05 58 45	-13.1	925	41	1		BANDS Eddies
	22					2		
	22					3		
23-256-60677	23	05 57 14	-14.6	937	36	1		
	23					2		
	23					3		
24-256-60677	24	05 55 43	-16.1	947	31	1		
	24					2		
	24					3		
25-256-60677	25	05 54 12	-17.6	954	26	1		
	25					2		
	25					3		
26-256-60677	26	05 52 41	-19.1	959	21	1	ANTARCTICA	
	26					2		
	26					3		
27-256-60677	27	05 51 10	-20.7	961	16	1		APPARENT CLOUDS
	27					2		
	27					3		
28-256-60677	28	05 49 39	-22.2	961	10	1		
	28					2		
	28					3		
29-256-60677	29	05 48 08	-23.7	959	5	1		
	29					2		
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 5

DATA ORBIT 248/249
DATE 14 September 1964
ASC. NODE 07 50 15 UT
57.16 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-250-60662	1	07 58 28	+ 8.2	623	62	1		
	1					2	N. Persian Gulf	MOSTLY CLEAR
	1					3		
2-250-60662	2	07 56 57	+ 6.7	648	68	1		
	2					2	Qatar	
	2					3	Strait of Hormuz	
3-250-60662	3	07 55 26	+ 5.2	670	73	1		
	3					2		
	3					3	Muscat & Oman Cst.	
4-250-60662	4	07 53 55	+ 3.7	695	78	1	Gulf of Aden	
	4					2	Socotra I.	
	4					3		
5-250-60662	5	07 52 24	+ 2.2	720	83	1	Somali Cst.	Mostly Clear
	5					2		Cu Streets
	5					3		Cu Streets
6-250-60662	6	07 50 53	+ 0.6	744	85	1		Mostly Clear
	6					2		Cu & Ci
	6					3		Apparent Storm
7-250-60662	7	07 49 22	- 0.9	768	82	1		
	7					2		CUFM
	7					3		Fibrous
8-250-60662	8	07 47 51	- 2.4	792	78	1		Some Ci
	8					2		Bands
	8					3		
9-250-60662	9	07 46 20	- 3.9	815	73	1		
	9					2		
	9					3		
10-250-60662	10	07 44 49	- 5.4	836	68	1		
	10					2		
	10					3		
11-250-60662	11	07 43 18	- 7.9	857	62	1		
	11					2		BANDS
	11					3		Eddies
12-250-60662	12	07 41 47	- 8.5	877	57	1		Cellular Field
	12					2		Streaks
	12					3		
13-250-60662	13	07 40 16	-10.0	895	52	1		
	13					2		
	13					3		
14-250-60662	14	07 38 45	-11.5	911	47	1		
	14					2		
	14					3		
15-250-60662	15	07 37 14	-13.0	924	42	1		
	15					2		
	15					3		
16-250-60662	16	07 35 43	-14.5	936	36	1		
	16					2		
	16					3		
17-250-60662	17	07 34 12	-16.1	946	31	1		
	17					2		
	17					3		
18-250-60662	18	07 32 41	-17.6	954	26	1		
	18					2		
	18					3		
19-250-60662	19	07 31 10	-19.1	959	21	1		
	19					2		
	19					3		
20-250-60662	20	07 29 39	-20.6	961	16	1		
	20					2	ANTARCTICA	APPARENT CLOUDS
	20					3		
21-250-60662	21	07 28 08	-22.1	962	11	1		
	21					2		
	21					3		
22-250-60662	22	07 26 37	-23.6	959	5	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 7

DATA ORBIT 250/251
DATE 14 September 1964
ASC. NODE 11 07 07 UT
7.96 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-251-60669	1	11 28 52	+21.8	463	11	1	GREENLAND Cst. Ice Cap Glaciers	APPARENT CLOUDS Some Open Areas
	1					2		
	1					3		
2-251-60669	2	11 27 21	+20.2	476	17	1		
	2					2		
	2					3		
3-251-60669	3	11 25 50	+18.7	487	22	1		BANDS Some Frontal
	3					2		
	3					3		
4-251-60669	4	11 24 19	+17.2	503	28	1		
	4					2		
	4					3		
5-251-60669	5	11 22 48	+15.7	520	34	1		
	5					2		
	5					3		
6-251-60669	6	11 21 17	+14.2	537	40	1		
	6					2		
	5					3		
7-251-60669	7	11 19 46	+12.7	558	46	1		
	7					2		
	7					3		
8-251-60669	8	11 16 44	+ 9.6	600	57	1	AFRICA N. & W. Csts. Sahara Etosha Pan	MOSTLY CLEAR Some Cu
	8					2		
	8					3		
9-251-60669	9	11 15 13	+ 8.1	623	62	1		
	9					2		
	9					3		
10-251-60669	10	11 13 42	+ 6.6	647	68	1		
	10					2		
	10					3		
11-251-60669	11	11 12 11	+ 5.1	671	73	1		
	11					2		
	11					3		
12-251-60669	12	11 06 07	- 1.0	769	82	1		CUFM Large Cellular Field over Water Mostly Clear over Land
	12					2		
	12					3		
13-251-60669	13	11 04 36	- 2.5	793	77	1		
	13					2		
	13					3		
14-251-60669	14	11 03 05	- 4.0	815	72	1		
	14					2		
	14					3		
15-251-60669	15	11 01 34	- 5.6	838	67	1		
	15					2		
	15					3		
16-251-60669	16	11 00 03	- 7.1	859	62	1		
	16					2		
	16					3		
17-251-60669	17	10 58 32	- 8.6	877	57	1		
	17					2		
	17					3		
18-251-60669	18	10 57 01	-10.1	895	52	1		
	18					2		
	18					3		
19-251-60669	19	10 55 30	-11.6	911	46	1		BANDS Eddies
	19					2		
	19					3		
20-251-60669	20	10 53 59	-13.1	925	41	1		
	20					2		
	20					3		
21-251-60669	21	10 52 28	-14.7	936	36	1		
	21					2		
	21					3		
22-251-60669	22	10 50 57	-16.2	946	31	1		
	22					2		
	22					3		
23-251-60669	23	10 49 26	-17.7	954	26	1		
	23					2		
	23					3		
24-251-60669	24	10 47 55	-19.2	959	21	1		
	24					2		
	24					3		
25-251-60669	25	10 46 24	-20.7	962	16	1	ANTARCTICA	APPARENT CLOUDS
	25					2		
	25					3		
26-251-60669	26	10 44 53	-22.2	962	11	1		
	26					2		
	26					3		
27-251-60669	27	10 43 22	-23.8	959	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 8

DATA ORBIT 251/252
DATE 14 September 1964
ASC. NODE 12 45 33 UT
16.65W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-256-60677	1	13 06 50	+21.3	466	13	1		
	1					2	GREENLAND Cst. Ice Cap Glaciers	MOSTLY CLEAR
	1					3		
2-256-60677	2	13 05 19	+19.8	478	18	1		
	2					2		
	2					3		
3-256-60677	3	13 03 48	+18.3	492	24	1		
	3					2		FRONTAL BANDS Eddies
	3					3		
4-256-60677	4	13 02 17	+16.7	507	30	1		
	4					2		
	4					3		
5-256-60677	5	13 00 46	+15.2	525	36	1		
	5					2		
	5					3		
6-256-60677	6	12 59 15	+13.7	543	41	1		
	6					2		
	6					3		
7-256-60677	7	12 57 44	+12.2	563	47	1		
	7					2		
	7					3		
8-256-60677	8	12 56 13	+10.7	584	53	1		
	8					2		CUFM Some Large Cells
	8					3		
9-256-60677	9	12 54 42	+ 9.2	607	59	1		
	9					2		
	9					3		
10-256-60677	10	12 53 11	+ 7.6	630	65	1		
	10					2	AFRICA W. Cst. Area	
	10					3		
11-256-60677	11	12 51 40	+ 6.1	653	70	1		
	11					2		CUFM Some Lines Cellular
	11					3		
12-256-60677	12	12 50 09	+ 4.6	677	75	1		
	12					2		
	12					3		
13-256-60677	13	12 48 38	+ 3.1	701	80	1		
	13					2		ITC
	13					3		
14-256-60677	14	12 47 07	+ 1.6	726	84	1		
	14					2		
	14					3		
15-256-60677	15	12 45 36	+ 0.1	751	85	1		
	15					2		MOSTLY CLEAR
	15					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 9

DATA ORBIT 252/253
DATE 14 September 1964
ASC. NODE 14 23 59 UT
41.25 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-255-60674	1	14 46 20	+22.4	459	8	1		
	1					2	Arctic Ice	MOSTLY CLEAR
	1					3	Ellesmere I.	
2-255-60674	2	14 44 49	+20.8	469	14	1	Devon I. & Brodeur Pen.	
	2					2	Devon & Ellesmere Is.	
	2					3	Ellesmere I. & Hayes Pen.	
3-255-60674	3	14 43 18	+19.3	481	20	1		
	3					2	Baffin I.	
	3					3		
4-255-60674	4	14 41 47	+17.8	495	26	1		
	4					2	Baffin I.	CUFM
	4					3	Baffin I.	Streets
5-255-60674	5	14 40 16	+16.3	511	32	1		Streaks
	5					2		
	5					3		
6-255-60674	6	14 38 45	+14.8	529	38	1		
	6					2	Labrador Cst., Goose Bay	
	6					3		
7-255-60674	7	14 37 14	+13.3	548	43	1	Newfoundland	
	7					2	Newfoundland	HURRICANE ETHEL
	7					3		
8-255-60674	8	14 35 43	+11.7	568	49	1		
	8					2		
	8					3		
9-255-60674	9	14 34 12	+10.2	589	55	1		
	9					2		
	9					3		
10-255-60674	10	14 32 41	+ 8.7	612	61	1		CUFM
	10					2		Some Cb
	10					3		Streaks
11-255-60674	11	14 31 10	+ 7.2	635	66	1		
	11					2		TROPICAL STORM GLADYS
	11					3		N. Edge

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 10

DATA ORBIT 253/254
DATE 14 September 1964
ASC. NODE 16 02 25 UT
65.85 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-255-60674	1	15 53 40	- 8.8	877	56	1		MOSTLY CLEAR Some Cufm
	1					2	Parana River	
	1					3		
2-255-60674	2	15 52 09	-10.3	894	51	1		CUFM & STFM Large Fog/St Bank off Shore Streaks Fibrous
	2					2	Rio De La Plata	
	2					3		
3-255-60674	3	15 50 38	-11.8	910	46	1		
	3					2		
	3					3		
4-255-60674	4	15 49 07	-13.3	924	41	1		BANDS Eddies Streaks
	4					2		
	4					3		
5-255-60674	5	15 47 26	-14.8	936	36	1		
	5					2		
	5					3		
6-255-60674	6	15 46 05	-16.3	947	30	1		
	6					2		
	6					3		
7-255-60674	7	15 44 34	-17.9	954	25	1		
	7					2		
	7					3		
8-255-60674	8	15 43 03	-19.4	959	20	1		
	8					2		
	8					3		
9-255-60674	9	15 41 32	-20.9	962	15	1		APPARENT CLOUDS
	9					2	ANTARCTICA	
	9					3		
10-255-60674	10	15 40 01	-22.4	962	10	1		
	10					2		
	10					3		
11-255-60674	11	15 38 30	-23.9	959	5	1		
	11					2		
	11					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 12

DATA ORBIT 255/256
DATE 14 September 1964
ASC. NODE 19 19 16 UT
115.06W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM.	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-256-60677	1	19 31 44	+12.5	556	46	1		Band
	1					2		Band
	1					3	Washington - Oregon Cst., Columbia River	Cufm
2-256-60677	2	19 30 13	+11.0	576	52	1		Mostly Clear
	2					2	N. California Cst.	Fog/St off Shore
	2					3	Lakes Tahoe & Pyramid, Carson Sink	Mostly Clear
3-256-60677	3	19 28 42	+ 9.4	598	57	1		
	3					2		CUFM
	3					3	S. California, Salton Sea	Large Cellular Field
4-256-60677	4	19 27 11	+ 7.8	621	63	1		Eddies S. of Guadalupe I.
	4					2		Fog/St along Cst.
	4					3	Baja California, Guadalupe I.	
5-256-60677	5	19 25 40	+ 6.4	645	69	1		
	5					2		
	5					3		
6-256-60677	6	19 24 09	+ 4.9	639	74	1		CUFM
	6					2		Some Cb
	6					3		Streaks
7-256-60677	7	19 22 38	+ 3.4	693	79	1		
	7					2		
	7					3		
8-256-60677	8	19 21 07	+ 1.C	718	84	1		ITC
	8					2		
	8					3		
9-256-60677	9	19 19 36	+ 0.3	43	95	1		
	9					2		
	9					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 14 Track 13

DATA ORBIT 256/257
DATE 14 September 1964
ASC. NODE 20 57 42 GT
139.66 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-265-60687	1	20 55 12	- 2.5	787	78	1		
	1					2		CUFN
	1					3		Some Bands
2-265-60687	2	20 53 41	- 4.0	810	73	1		Streaks
	2					2		
	2					3		
3-265-60687	3	20 52 10	- 5.5	832	67	1		
	3					2		
	3					3		
4-265-60687	4	20 50 39	- 7.1	859	62	1		
	4					2		
	4					3		
5-271-60713	5	20 44 35	-13.1	922	41	1		
	5					2		BANDS
	5					3		Weak Vortices
6-271-60713	6	20 43 04	-14.6	935	36	1		Eddies
	6					2		
	6					3		
7-271-60713	7	20 41 33	-16.2	945	31	1		
	7					2		
	7					3		
8-271-60713	8	20 40 02	-17.7	953	26	1		
	8					2		
	8					3		
9-271-60713	9	20 38 31	-19.2	958	21	1		
	9					2		
	9					3		
10-271-60713	10	20 37 00	-20.7	962	16	1		
	10					2	ANTARCTICA	
	10					3		
11-271-60713	11	20 35 29	-22.2	962	10	1		APPARENT CLOUDS
	11					2		
	11					3		
12-271-60713	12	20 33 58	-23.7	960	5	1		
	12					2		
	12					3		

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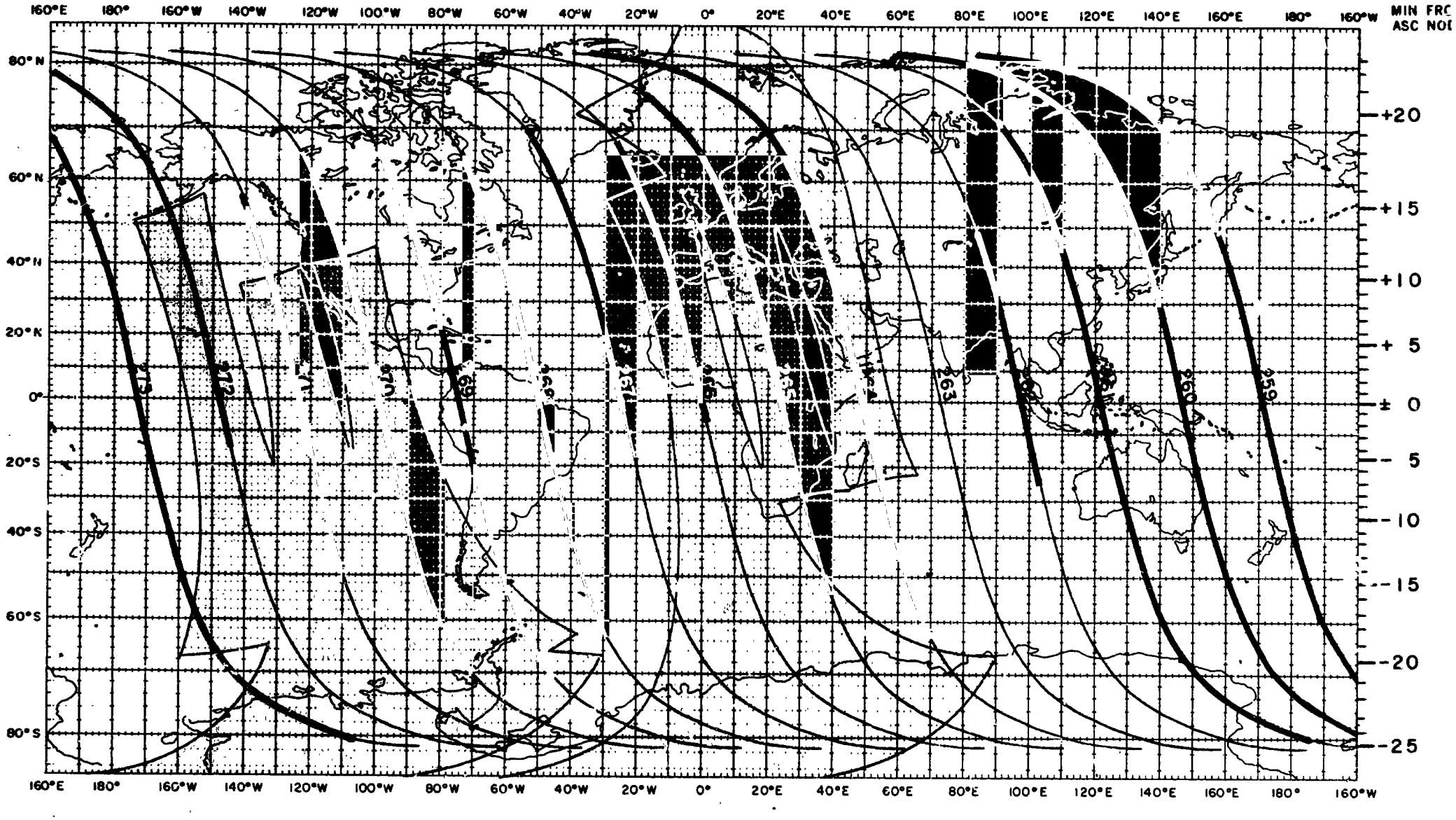
NIMBUS I DOCUMENTATION

15 September 1964

Orbits 258 through 273

AVCS DAILY COVERAGE MAP

15 SEPTEMBER 1964
ORBITS 258 TO 273

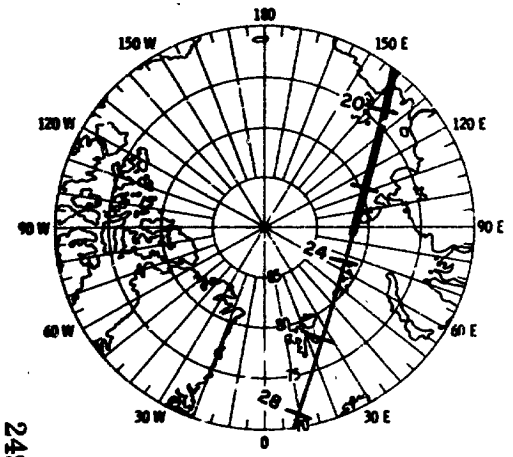


POLAR COVERAGE MAPS

15 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 259



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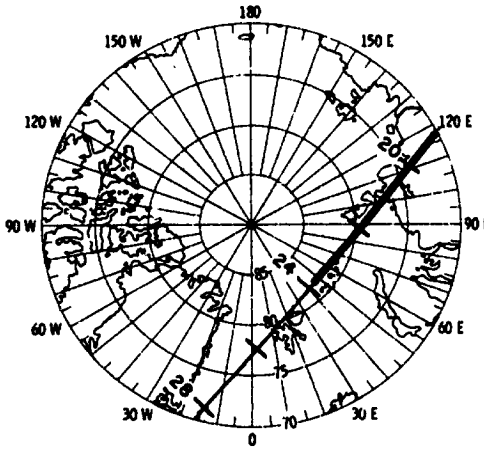

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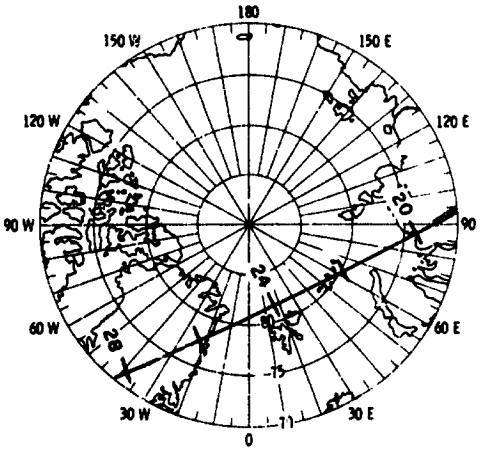

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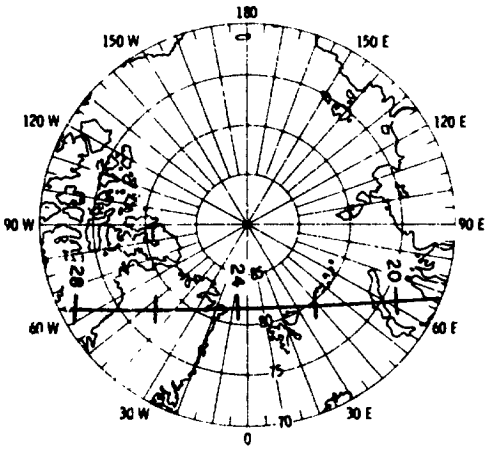
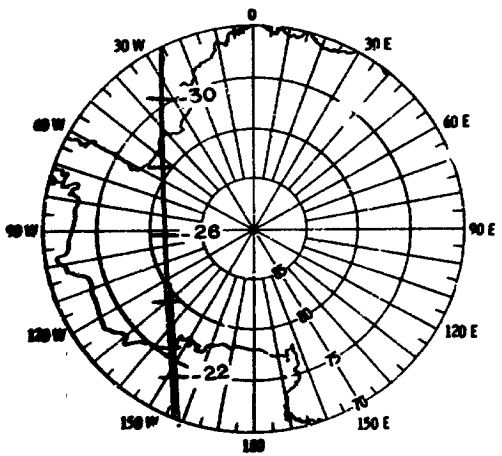


SOUTH POLAR REGIONS

DATA ORBIT 258



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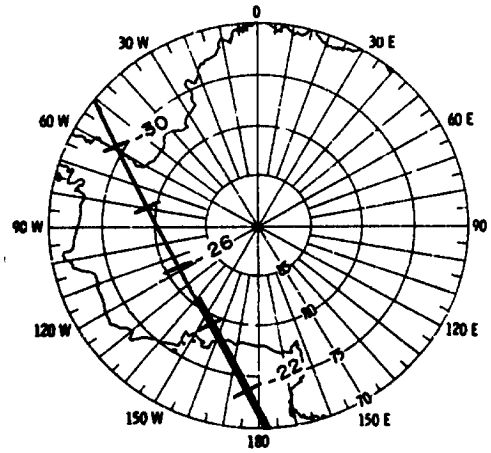

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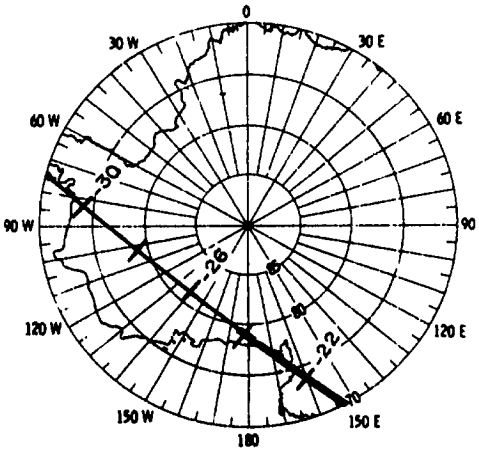

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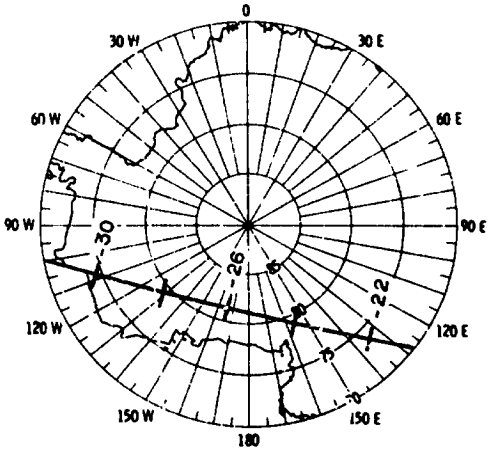
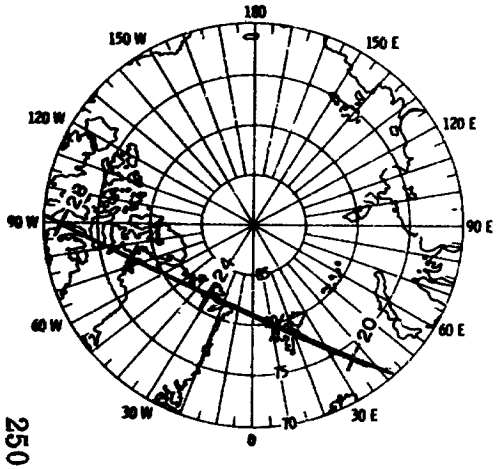


POLAR COVERAGE MAPS

15 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 263



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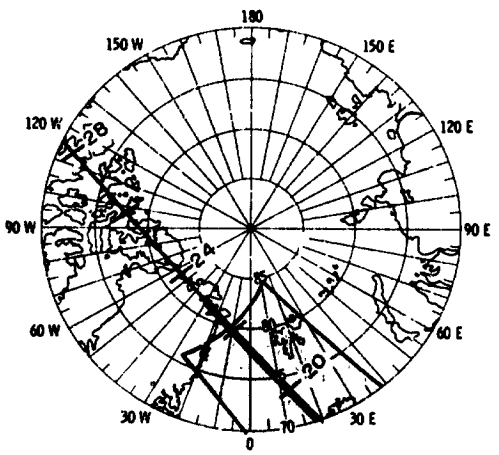

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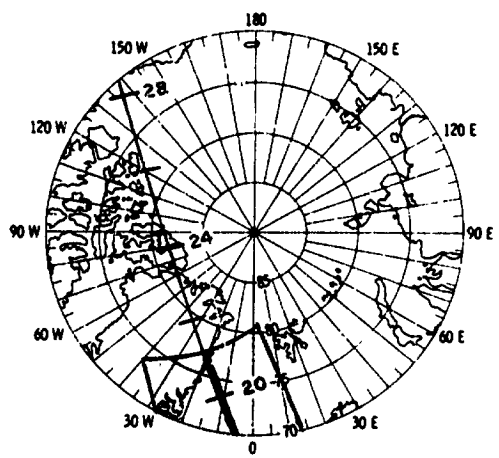

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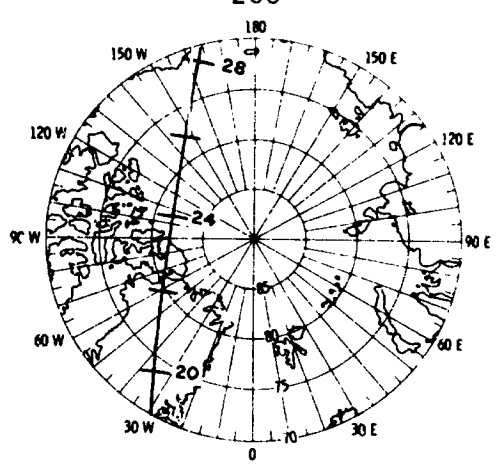
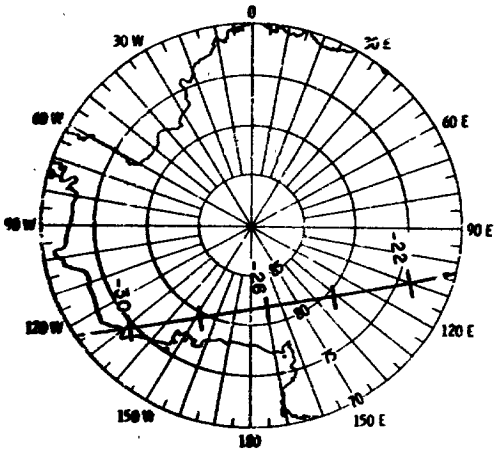


SOUTH POLAR REGIONS

DATA ORBIT 262



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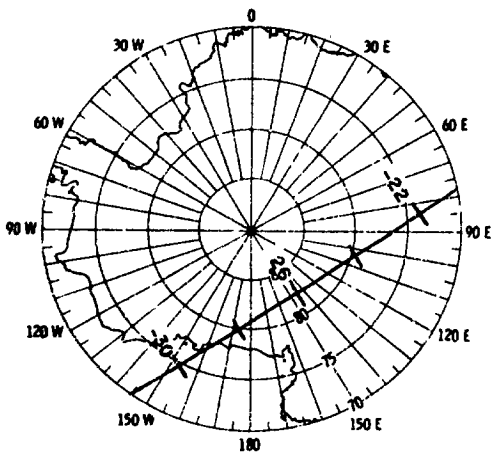

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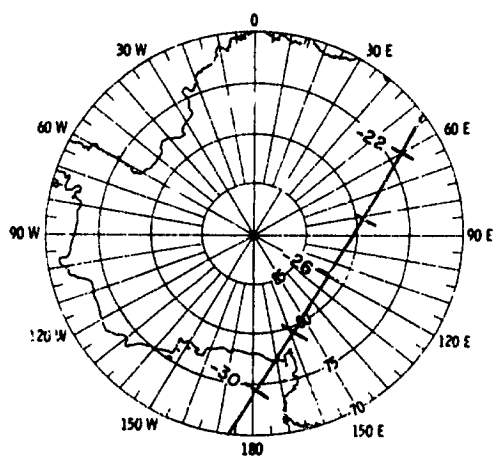

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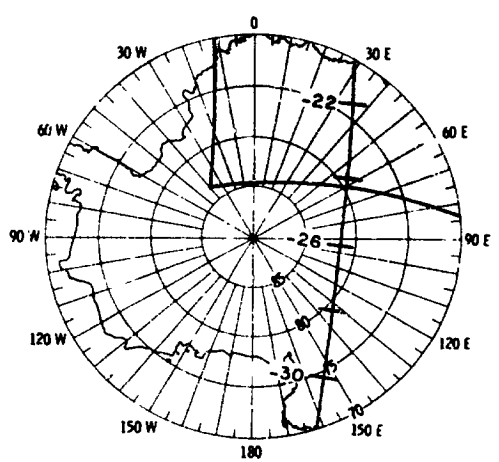
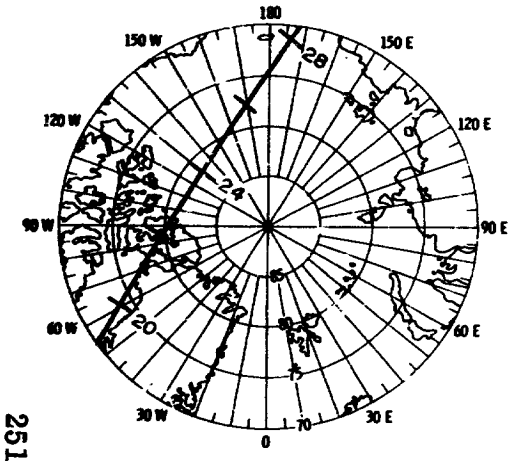


POLAR COVERAGE MAPS

15 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 267



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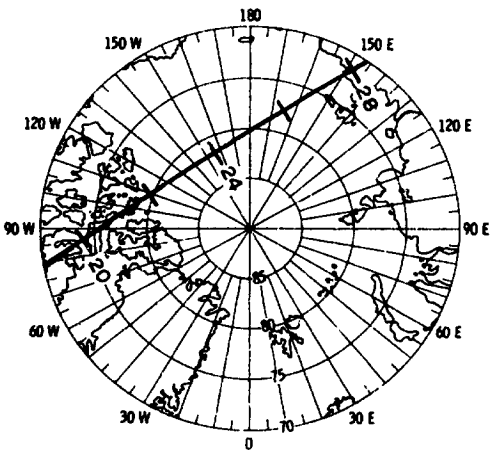

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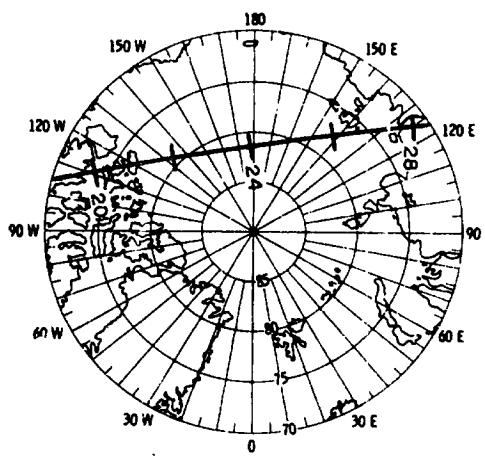

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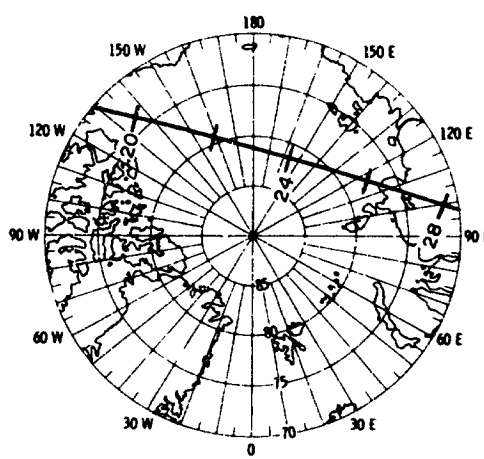
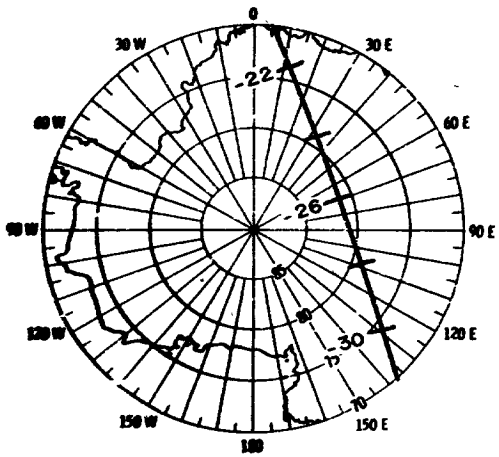


SOUTH POLAR REGIONS

DATA ORBIT 266



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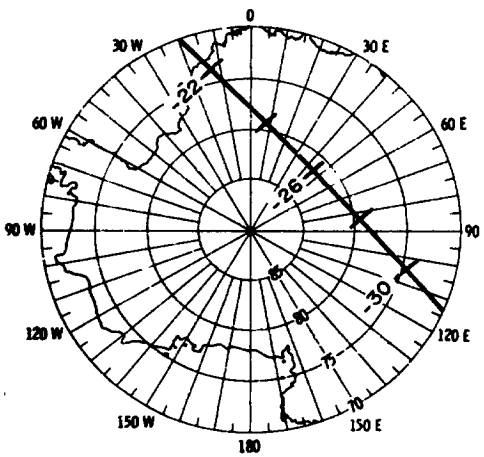

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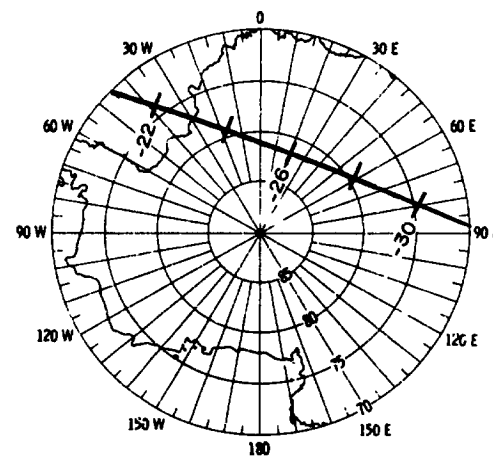

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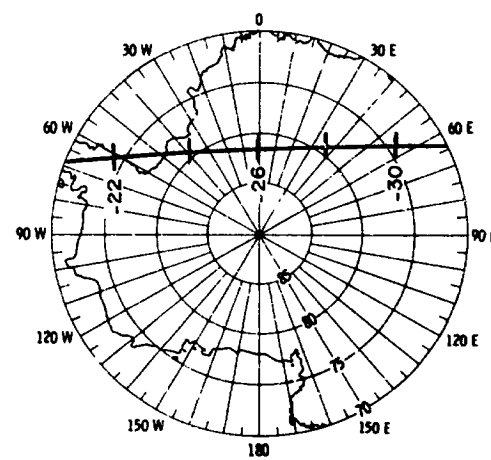
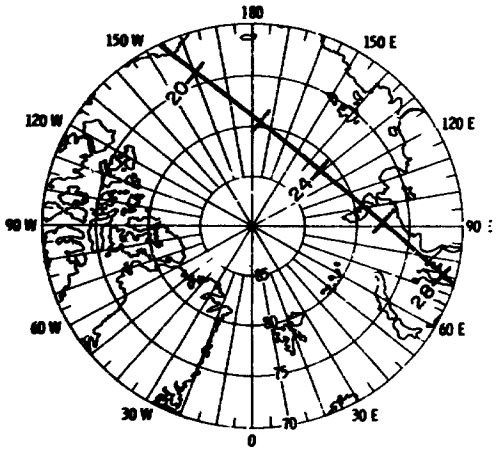


POLAR COVERAGE MAPS

15 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 271



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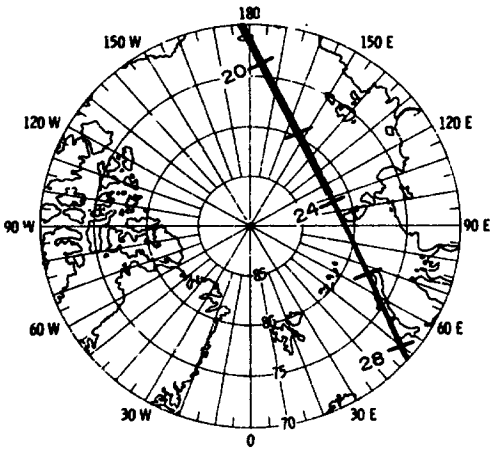

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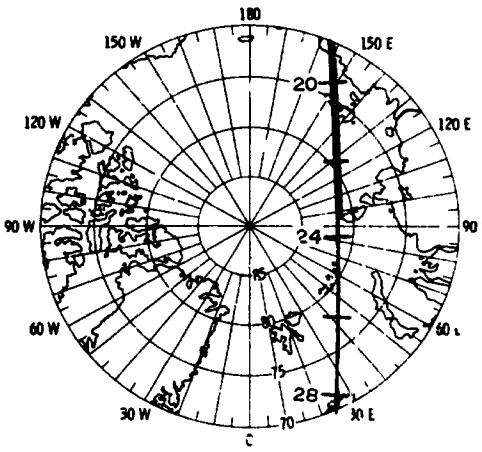

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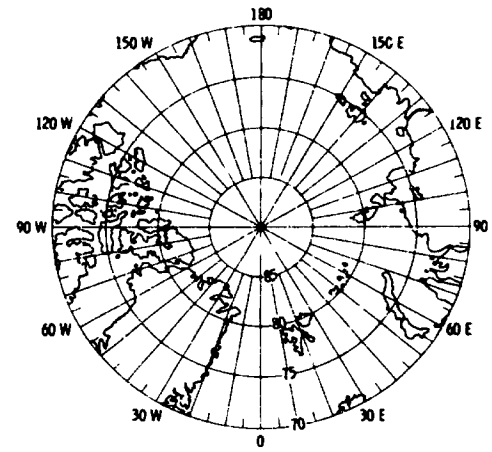
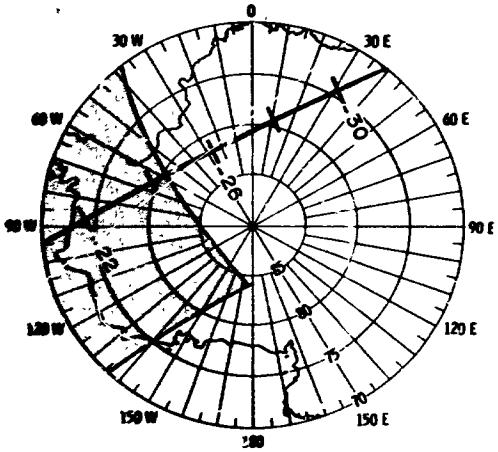
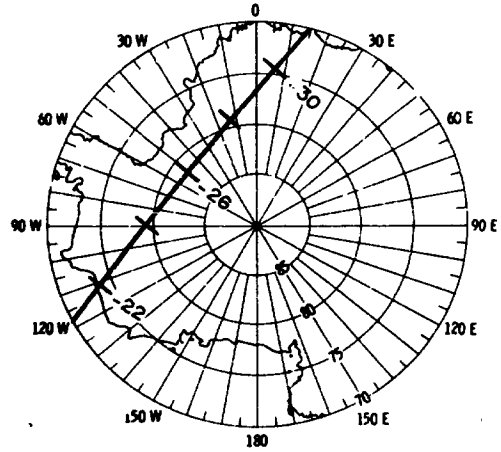


SOUTH POLAR REGIONS

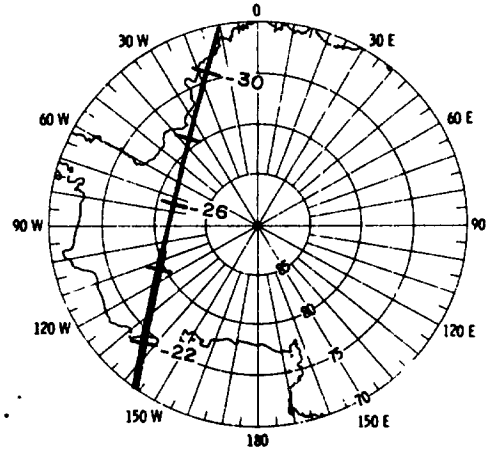
DATA ORBIT 270



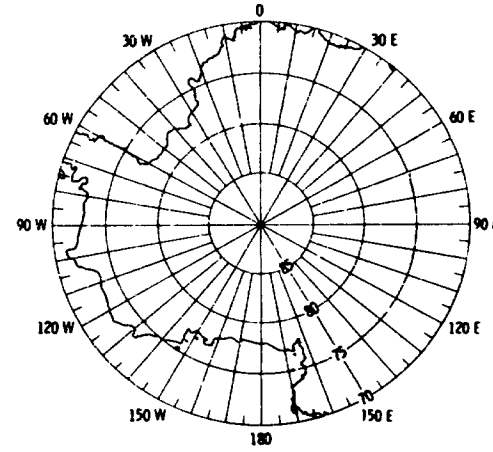
DATA ORBIT 271



DATA ORBIT 272



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 5

DATA ORBIT 263/264
DATE 15 September 1964
ASC. NODE 08 26 44 UT
48.11 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-264-60691	1	08 49 25	+22.7	453	7	1		Bands
	1					2	N.E. Greenland	Mostly Clear
	1					3	Arctic Ice	Mostly Clear
2-264-60691	2	08 47 54	+21.2	462	13	1		
	2					2		FRONTAL SYSTEM
	2					3		Vortices Vicinity 68 N & 74 N
3-264-60691	3	08 46 23	+19.7	473	18	1		Eddies
	3					2		Streaks
	3					3		Streets
4-264-60691	4	08 44 52	+18.1	485	24	1		
	4					2	Gulf of Bothnia	
	4					3		
5-264-60691	5	08 43 21	+16.6	501	30	1		
	5					2		
	5					3		
6-264-60691	6	08 41 50	+15.1	516	36	1		
	6					2		
	6					3		
7-264-60691	7	08 40 19	+13.6	535	42	1	Dnieper River	Mostly Clear
	7					2	Kre[illegible]nchug-Skoye Reservoir	Mostly Clear
	7					3		Small Cu
8-264-60691	8	08 38 48	+12.1	554	47	1	Black Sea	
	8					2	Crimea	MOSTLY CLEAR
	8					3	Caucasus Mts.	Some Cufm
9-264-60691	9	08 37 17	+10.6	576	53	1	Turkey & Cyprus	
	9					2	Turkey	
	9					3	Lake Van	
10-264-60691	10	08 35 46	+ 9.0	597	59	1	Dead Sea & Nile River Delta	
	10					2	Euphrates River	
	10					3	Tigris-Euphrates River Valley	
11-264-60691	11	08 34 15	+ 7.5	620	64	1		
	11					2	ARABIAN PEN.	
	11					3	Red Sea	
12-264-60691	12	08 32 44	+ 6.0	642	70	1	Arabian Desert	
	12					2		
	12					3		
13-264-60691	13	08 31 13	+ 4.5	667	76	1		MOSTLY CLEAR
	13					2		Small Cu
	13					3		Ci
14-264-60691	14	08 29 42	+ 3.0	692	81	1		
	14					2	AFRICA	
	14					3	Gulf of Oman	
15-264-60691	15	08 28 11	+ 1.5	717	85	1		
	15					2		
	15					3		
16-264-60691	16	08 26 40	- 0.1	742	85	1		
	16					2		
	16					3		
17-264-60691	17	08 25 09	- 1.6	766	81	1		
	17					2		CUFM
	17					3		Some Large Cells
18-264-60691	18	08 23 38	- 3.1	789	76	1		Streets
	18					2	MADAGASCAR	Fibrous
	18					3		
19-264-60691	19	08 22 07	- 4.6	813	71	1		
	19					2		
	19					3		
20-264-60691	20	08 20 36	- 6.1	835	65	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 6

DATA ORBIT 264/265
DATE 15 September 1964
ASC. NODE 10 05 10 UT
23.51 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-265-60687	1	10 26 55	+21 8	457	10	1		
	1					2	GREENLAND	BANDS Streets Streaks Shear
	1					3		
2-265-60687	2	10 25 24	+20.2	468	16	1	Greenland Cst.	
	2					2		
	2					3		
3-265-60687	3	10 23 53	+18.7	480	22	1		
	3					2		
	3					3		
4-265-60687	4	10 22 22	+17.2	491	28	1		
	4					2		
	4					3		
5-265-60687	5	10 20 51	+15.7	509	34	1		
	5					2		
	5					3		
6-265-60687	6	10 19 20	+14.2	527	39	1		
	6					2		
	6					3		
7-265-60687	7	10 17 49	+12.7	546	45	1		
	7					2	Alps, Snow Covered	MOSTLY CLEAR Some Cu
	7					3		
8-265-60687	8	10 16 18	+11.1	566	51	1	Sardinia	
	8					2	Italy	
	8					3	Italy, Albania & Yugoslavia	
9-265-60687	9	10 14 47	+ 9.6	588	56	1	Tunisia	
	9					2	Malta I.	
	9					3	Greece	
10-265-60687	10	10 13 16	+ 8.1	610	62	1		
	10					2	AFRICA Congo, Lualaba, Cuito & Cuando Rivers Lakes Victoria & Nyasa Okavango Swamps	
	10					3		
11-265-60687	11	10 11 45	+ 6.6	633	68	1		
	11					2		
	11					3		
12-265-60687	12	10 10 14	+ 5.1	657	74	1		
	12					2		
	12					3		
13-265-60687	13	10 08 43	+ 3.6	681	79	1		
	13					2		CUFM Some Cb Some Bands Fibrous Streaks Streets
	13					3		
14-265-60687	14	10 07 12	+ 2.0	706	83	1		
	14					2		
	14					3		
15-265-60687	15	10 05 41	+ 0.5	731	85	1		
	15					2		
	15					3		
16-265-60687	16	10 04 10	- 1.0	755	83	1		
	16					2		
	16					3		
17-265-60687	17	10 02 39	- 2.5	779	78	1		
	17					2		
	17					3		
18-265-60687	18	10 01 08	- 4.0	803	73	1		
	18					2		
	18					3		
19-265-60687	19	09 59 37	- 5.6	825	68	1		
	19					2		
	19					3		
20-265-60687	20	09 58 06	- 7.1	847	62	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 7

DATA ORBIT 265/266
DATE 15 September 1964
ASC. NODE 11 43 35 UT
1.09 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-266-60703	1	11 58 15	+1[illegible].7	509	34	1		
	1					2		FRONTAL BANDS
	1					3		Vortex Vicinity 34 N
2-266-60703	2	11 57 44	+14.2	527	39	1		Eddies
	2					2		
	2					3		
3-266-60703	3	11 56 13	+12.6	546	45	1		
	3					2		
	3					3		
4-266-60703	4	11 54 42	+11.1	566	51	1		
	4					2		
	4					3		
5-266-60703	5	11 53 11	+ 9.6	588	56	1		
	5					2		
	5					3	Spain, Algeria & Morocco	
6-266-60703	6	11 51 40	+ 8.1	610	62	1		
	6					2	AFRICA	
	6					3	Sahara	
7-266-60703	7	11 50 09	+ 6.6	633	68	1		MOSTLY CLEAR
	7					2		
	7					3		
8-266-60703	8	11 48 38	+ 5.1	656	74	1		
	8					2		
	8					3		
9-266-60703	9	11 47 07	+ 3.5	681	79	1		CUFM & CIFM
	9					2		
	9					3		
10-266-60703	10	11 45 36	+ 2.0	706	83	1		
	10					2		
	10					3		
11-266-60703	11	11 44 05	+ 0.5	731	85	1		CUFM & STFM
	11					2		Possible Large Area Fog/St
	11					3		Large Cells
12-266-60703	12	11 42 34	- 1.0	755	83	1		Fibrous
	12					2		
	12					3		
13-266-60703	13	11 41 03	- 2.5	780	78	1		CUFM
	13					2		Large Cellular Field
	13					3		
14-266-60703	14	11 39 32	- 4.1	804	73	1		
	14					2	AFRICA	
	14					3	W. Cst.	
15-266-60703	15	11 38 01	- 5.6	827	68	1		
	15					2		
	15					3		
16-266-60703	16	11 36 30	- 7.1	848	62	1		
	16					2		
	16					3		
17-266-60703	17	11 34 59	- 8.6	867	57	1		
	17					2		
	17					3		
18-266-60703	18	11 33 28	-10.1	885	52	1		BANDS
	18					2		Eddies
	18					3		Mostly Cloud Covered
19-266-60703	19	11 31 57	-11.6	902	47	1		
	19					2		
	19					3		
20-266-60703	20	11 30 26	-13.2	917	41	1		
	20					2		
	20					3		
21-266-60703	21	11 28 55	-14.7	931	35	1		
	21					2		
	21					3		
22-266-60703	22	11 27 24	-16.2	942	30	1		
	22					2		
	22					3		
23-266-60703	23	11 25 53	-17.7	951	26	1		
	23					2		
	23					3		
24-266-60703	24	11 24 22	-19.2	957	20	1		
	24					2		
	24					3		
25-266-60703	25	11 22 51	-20.7	961	16	1		
	25					2	ANTARCTICA	APPARENT CLOUDS
	25					3		
26-266-60703	26	11 21 20	-22.3	963	11	1		
	26					2		
	26					3		
27-266-60703	27	11 19 49	-23.8	961	6	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 11

DATA ORBIT 269/270
DATE 15 September 1964
ASC. NODE 18 17 19 GT
99.51 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-270-60706	1	18 28 21	+11.0	564	51	1	Great Salt Lake	
	1					2		CUFN
	1					3		Some Cb
2-270-60706	2	18 26 50	+ 9.5	585	57	1	Salton Sea & Colorado River	Streets
	2					2	Rio Grande	Streaks
	2					3		
3-270-60706	3	18 25 19	+ 8.0	607	63	1	Baja California & Mexico	
	3					2		
	3					3		
4-270-60706	4	18 23 48	+ 6.5	630	68	1	Baja California	
	4					2	Mexico	
	4					3	Mexico	
5-270-60706	5	18 22 17	+ 5.0	654	74	1		
	5					2	Mexico	
	5					3	Mexico	
6-270-60706	6	18 20 46	+ 3.5	679	79	1		
	6					2		
	6					3		
7-270-60706	7	18 19 15	+ 1.9	703	84	1		ITC
	7					2		
	7					3		
8-270-60706	8	18 17 44	+ 0.4	728	85	1		
	8					2		
	8					3		
9-270-60706	9	18 16 13	- 1.1	753	82	1		CUFN
	9					2		Unusual Actiniform Pattern
	9					3		Cellular
10-270-60706	10	18 14 42	- 2.6	777	78	1		
	10					2		
	10					3		
11-270-60706	11	18 13 11	- 4.1	801	73	1		
	11					2		
	11					3		
12-270-60706	12	18 11 40	- 5.7	824	67	1		
	12					2		
	12					3		
13-270-60706	13	18 10 05	- 7.2	846	62	1		
	13					2		
	13					3		
14-270-60706	14	18 08 36	- 8.7	865	57	1		
	14					2		
	14					3		FRONTAL BANDS
15-270-60706	15	18 07 07	-10.2	884	52	1		Wave
	15					2		Numerous Eddies Near Antarctica
	15					3		
16-270-60706	16	18 05 36	-11.7	902	46	1		
	16					2		
	16					3		
17-270-60706	17	18 04 05	-13.2	917	41	1		
	17					2		
	17					3		
18-270-60706	18	18 02 34	-14.8	931	36	1		
	18					2		
	18					3		
19-270-60706	19	18 01 03	-16.3	942	31	1		
	19					2		
	19					3		
20-270-60706	20	17 59 32	-17.8	950	26	1		
	20					2		
	20					3		
21-270-60706	21	17 58 01	-19.3	957	21	1		
	21					2	ANTARCTICA	
	21					3		
22-270-60706	22	17 56 30	-20.8	961	16	1		APPARENT CLOUDS
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 12

DATA ORBIT 270/271
DATE 15 September 1964
ASC. NODE 18 55 45 GT
124.11 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-271-60713	1	20 05 13	+ 9.5	585	57	1		
	1					2		CUFN
	1					3		Cellular
2-271-60713	2	20 03 42	+ 8.0	607	63	1		Bands
	2					2		Fibrous
	2					3		
3-271-60713	3	20 02 11	+ 6.4	630	68	1		
	3					2		
	3					3		
4-271-60713	4	20 00 40	+ 4.9	654	74	1		
	4					2		ITC
	4					3		
5-271-60713	5	19 59 09	+ 3.4	678	79	1		
	5					2		
	5					3		
6-271-60713	6	19 57 38	+ 1.9	703	84	1		
	6					2		
	6					3		
7-271-60713	7	19 56 07	+ 0.4	728	85	1		
	7					2		CUFN
	7					3		Cellular
8-271-60713	8	19 54 36	- 1.2	753	82	1		Large Cells
	8					2		Fibrous
	8					3		
9-271-60713	9	19 53 05	- 2.7	777	77	1		
	9					2		
	9					3		
10-271-60713	10	19 51 34	- 4.2	801	72	1		
	10					2		
	10					3		
11-271-60713	11	19 50 03	- 5.7	823	67	1		
	11					2		
	11					3		
12-271-60713	12	19 48 32	- 7.2	845	62	1		
	12					2		
	12					3		
13-271-60713	13	19 47 01	- 8.7	866	57	1		
	13					2		FRONTAL BANDS
	13					3		Vortices Vicinity 55 S
14-271-60713	14	19 45 .0	-10.3	885	51	1		Eddies
	14					2		Shear
	14					3		
15-271-60713	15	19 43 59	-11.8	902	46	1		
	15					2		
	15					3		
16-271-60713	16	19 42 28	-13.3	917	41	1		
	16					2		
	16					3		
17-271-60713	17	19 40 57	-14.8	931	36	1		
	17					2		
	17					3		
18-271-60713	18	19 39 26	-16.3	942	31	1		
	18					2		
	18					3		
19-271-60713	19	19 37 55	-17.8	951	26	1		
	19					2		
	19					3		
20-271-60713	20	19 36 24	-19.4	957	20	1	ANTARCTICA	
	20					2		
	20					3		
21-271-60713	21	19 34 53	-20.9	961	15	1		
	21					2		
	21					3		
22-271-60713	22	19 33 22	-22.4	962	10	1		APPARENT CLOUDS
	22					2		
	22					3		
23-271-60713	23	19 31 51	-23.9	962	5	1		
	23					2		
	23					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 15 Track 13

DATA ORBIT 271/272
DATE 15 September 1964
ASC. NODE 21 34 11 GT
-48.71 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-272-60719	1	21 48 15	+14.1	523	39	1		FRONTAL BANDS Cellular Field
	1					2		
	1					3		
2-272-60719	2	21 46 44	+12.6	542	45	1		
	2					2		
	2					3		
3-272-60719	3	21 45 13	+11.0	562	50	1		
	3					2		
	3					3		
4-272-60719	4	21 43 42	+ 9.5	583	56	1		
	4					2		
	4					3		
5-272-60719	5	21 42 11	+ 8.0	606	62	1		CUFN Possible Weak Vortex Vicinity 23 N
	5					2		
	5					3		
6-272-60719	6	21 40 40	+ 6.5	629	68	1		
	6					2		
	6					3		
7-272-60719	7	21 39 09	+ 5.0	653	74	1		
	7					2		
	7					3		
8-272-60719	8	21 37 38	+ 3.5	677	79	1		ITC
	8					2		
	8					3		
9-272-60719	9	21 36 07	+ 1.9	702	84	1		
	9					2		
	9					3		
10-272-60719	10	21 34 36	+ 0.4	727	85	1		MOSTLY CLEAR Small Lines of Cu
	10					2		
	10					3		
11-272-60719	11	21 33 05	- 1.1	752	82	1		
	11					2		
	11					3		
12-272-60719	12	21 31 34	- 2.6	776	77	1		
	12					2		
	12					3		
13-272-60719	13	21 30 03	- 4.1	800	72	1		
	13					2	TUAMOTU ARCHIPELAGO	
	13					3		
14-272-60719	14	21 28 32	- 5.7	824	67	1		FRONTAL BANDS Waves
	14					2		
	14					3		
15-272-60719	15	21 27 01	- 7.2	845	62	1		
	15					2		
	15					3		
16-272-60719	16	21 25 30	- 8.7	865	57	1		
	16					2		
	16					3		
17-272-60719	17	21 23 59	-10.2	883	52	1		
	17					2		
	17					3		
18-272-60719	18	21 22 28	-11.7	900	46	1		
	18					2		
	18					3		
19-272-60719	19	21 20 57	-13.2	915	41	1		
	19					2		
	19					3		
20-272-60719	20	21 19 26	-14.8	929	36	1		
	20					2		
	20					3		
21-272-60719	21	21 17 55	-16.3	940	31	1		
	21					2		
	21					3		
22-272-60719	22	21 16 24	-17.8	950	26	1		
	22					2		
	22					3		

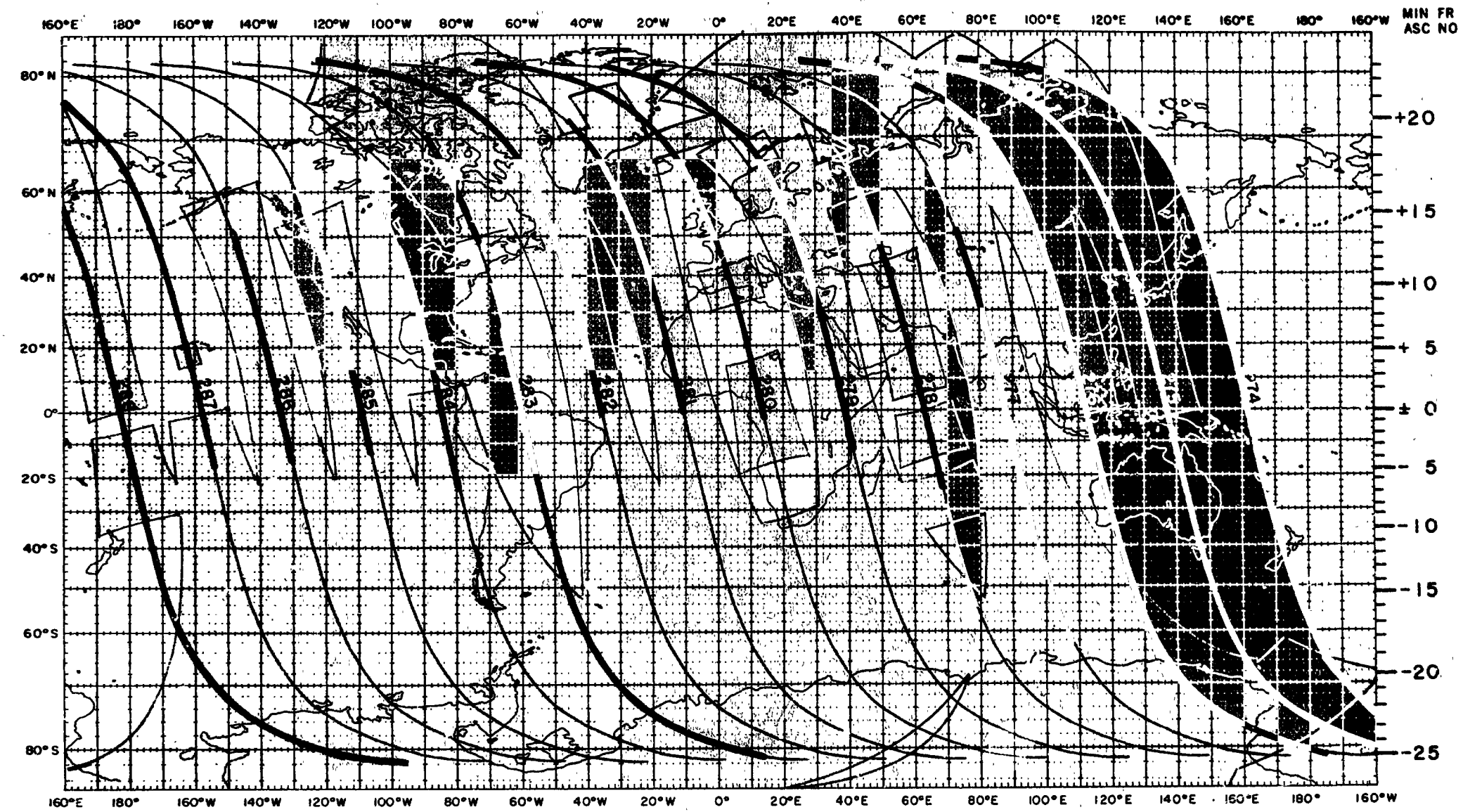
NIMBUS I DOCUMENTATION

16 September 1964

Orbits 273 through 288

AVCS DAILY COVERAGE MAP

16 SEPTEMBER 1964
ORBITS 273 TO 288

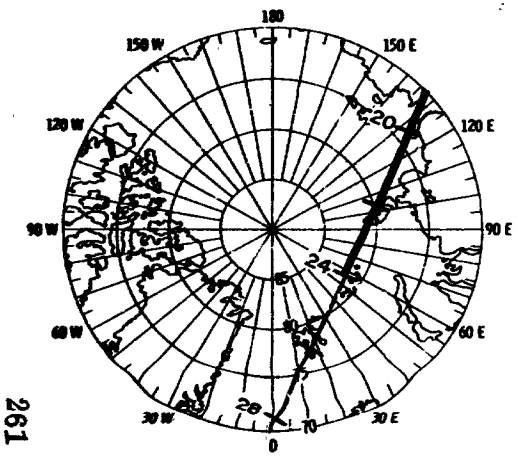


POLAR COVERAGE MAPS

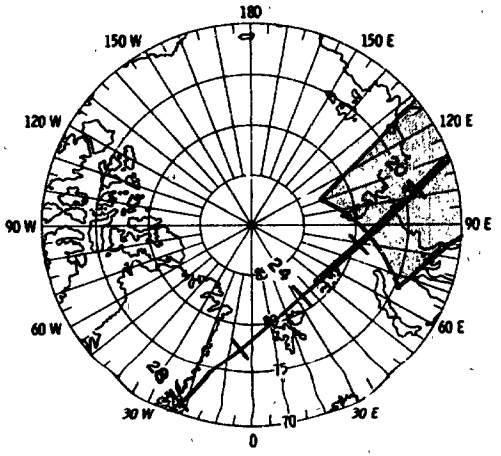
16 SEPTEMBER 1964

NORTH POLAR REGIONS

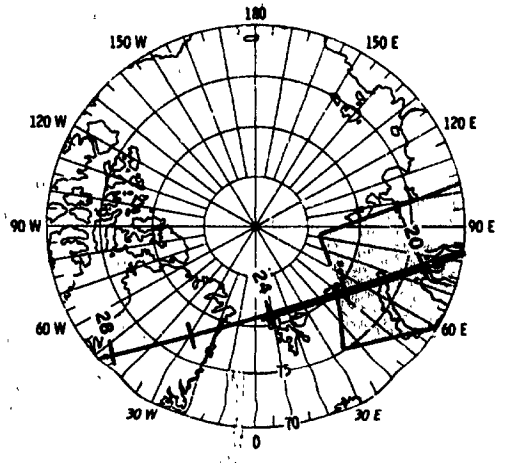
DATA ORBIT 274



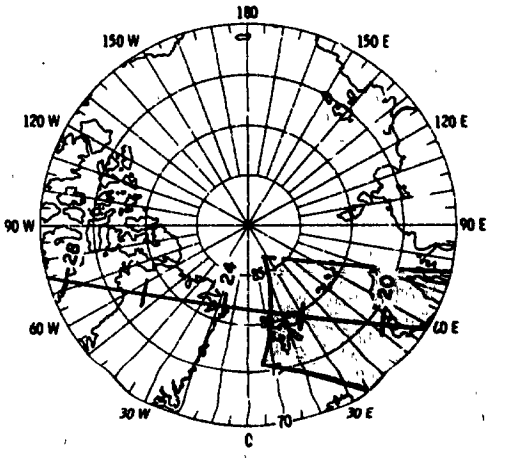
DATA ORBIT 275



DATA ORBIT 276

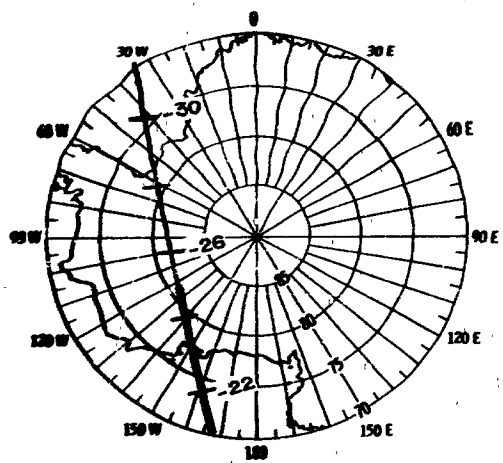


DATA ORBIT 277

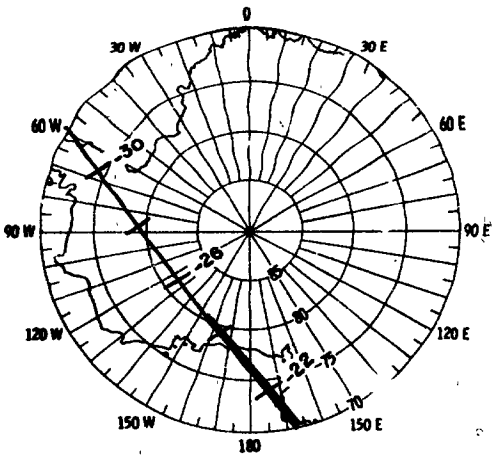


SOUTH POLAR REGIONS

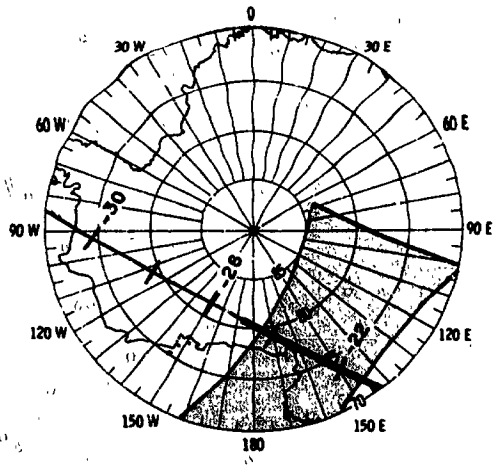
DATA ORBIT 273



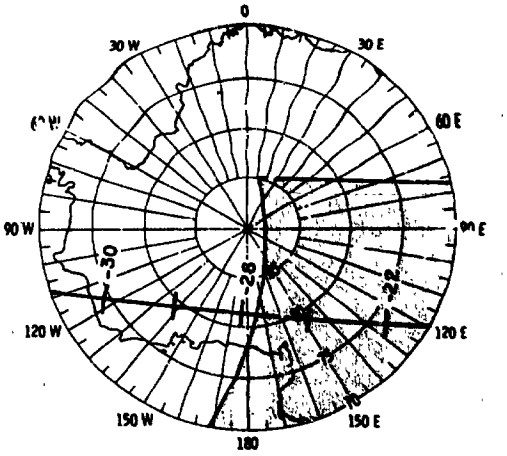
DATA ORBIT 274



DATA ORBIT 275



DATA ORBIT 276

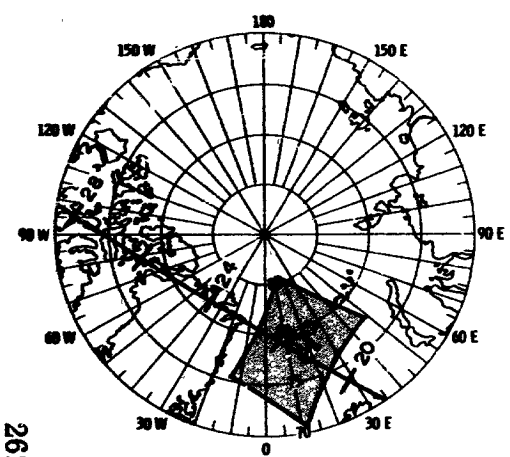


POLAR COVERAGE MAPS

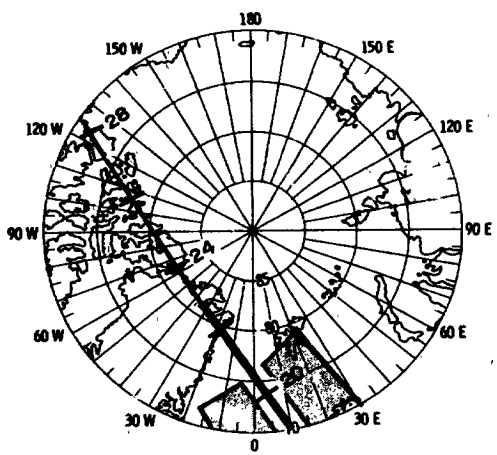
16 SEPTEMBER 1964

NORTH POLAR REGIONS

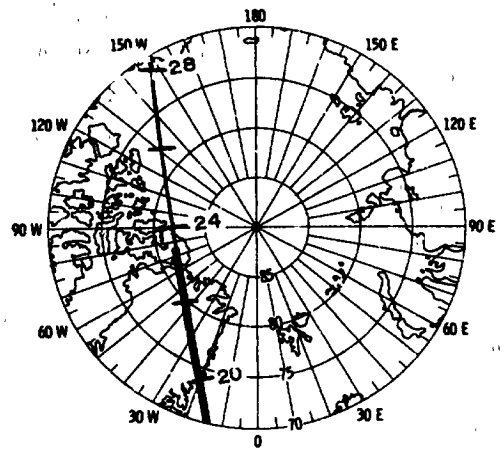
DATA ORBIT 278



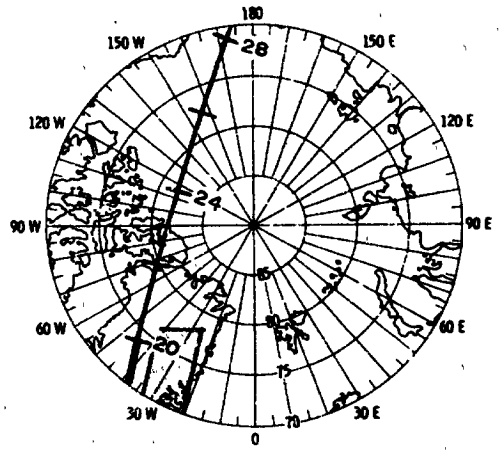
DATA ORBIT 279



DATA ORBIT 280

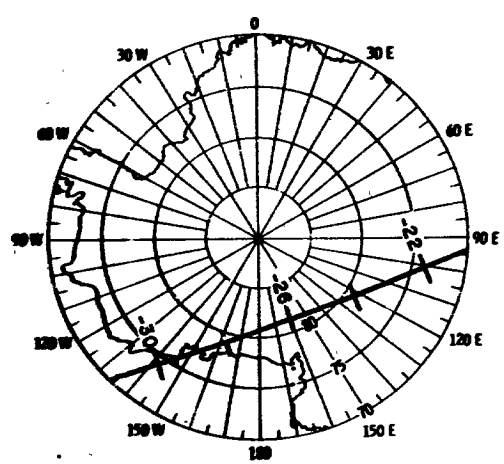


DATA ORBIT 281

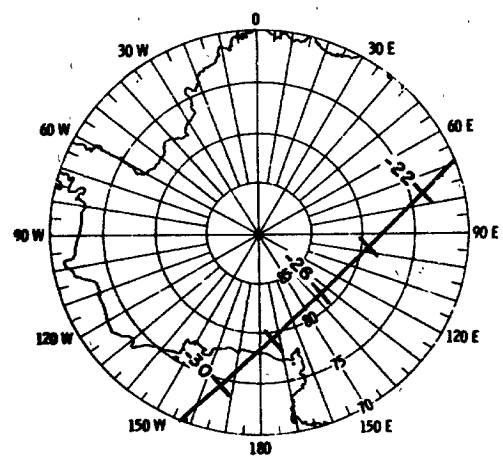


SOUTH POLAR REGIONS

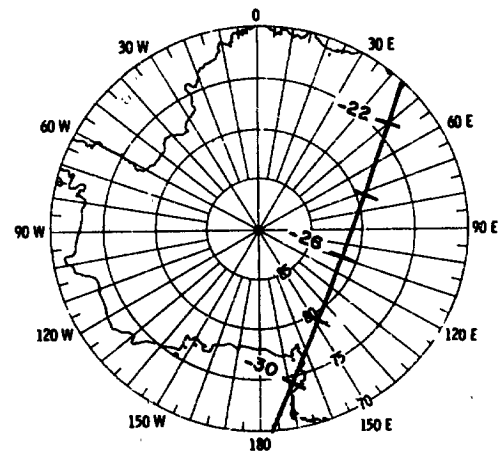
DATA ORBIT 277



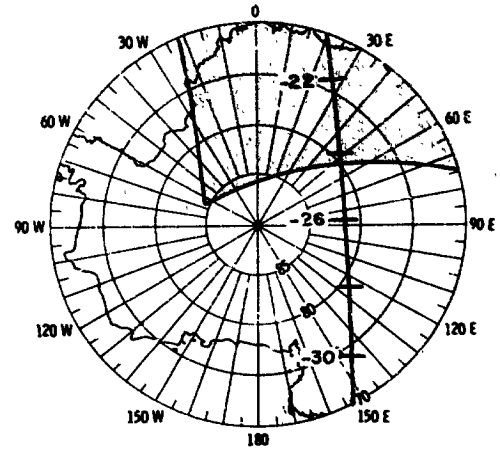
DATA ORBIT 278



DATA ORBIT 279



DATA ORBIT 280

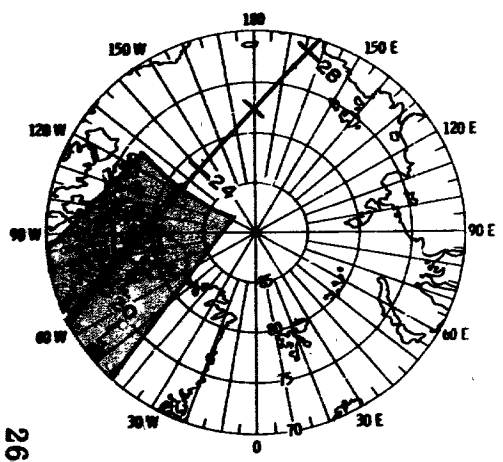


POLAR COVERAGE MAPS

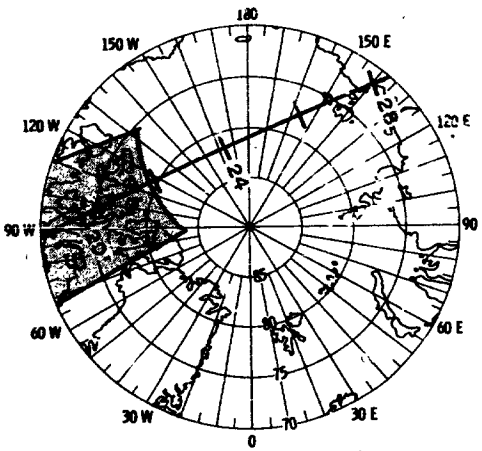
16 SEPTEMBER 1964

NORTH POLAR REGIONS

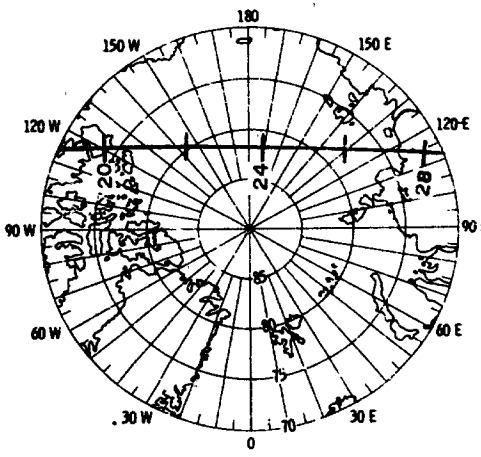
DATA ORBIT 282



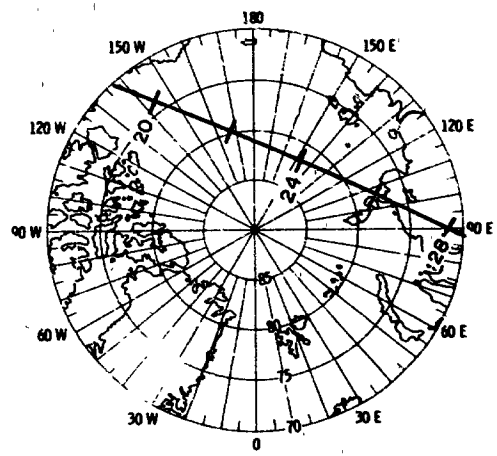
DATA ORBIT 283



DATA ORBIT 284

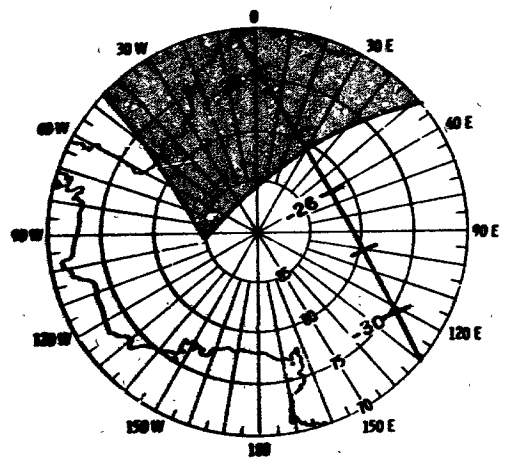


DATA ORBIT 285

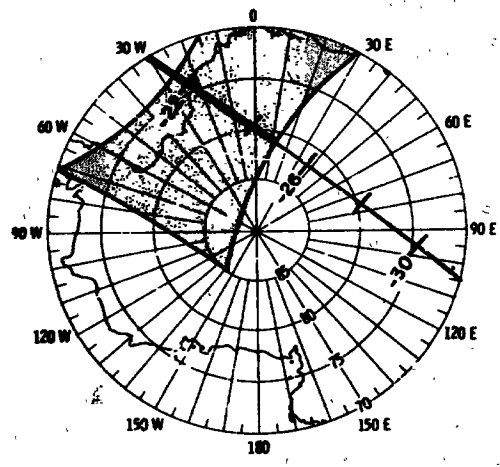


SOUTH POLAR REGIONS

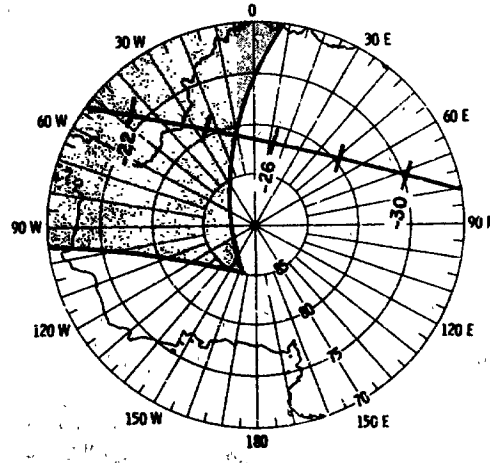
DATA ORBIT 281



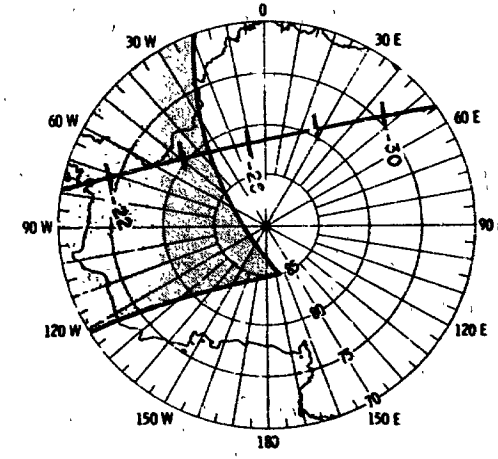
DATA ORBIT 282



DATA ORBIT 283



DATA ORBIT 284

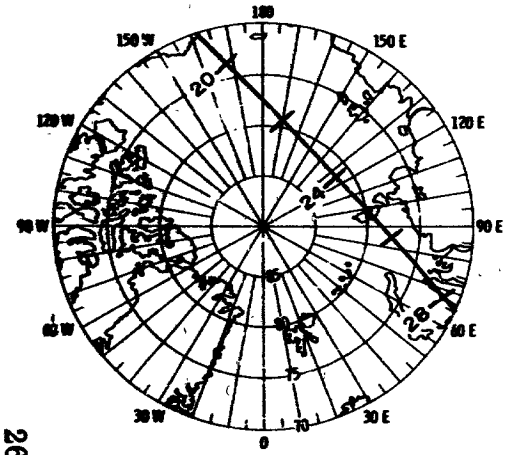


POLAR COVERAGE MAPS

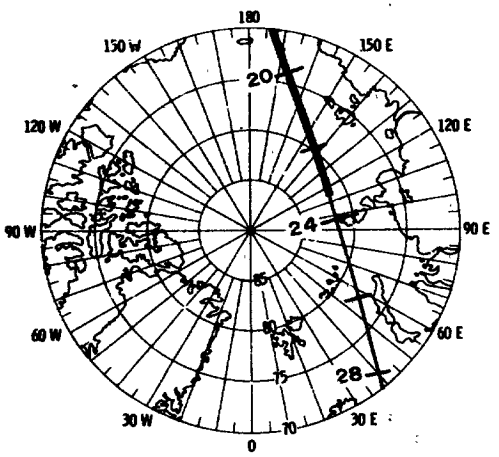
16 SEPTEMBER 1964

NORTH POLAR REGIONS

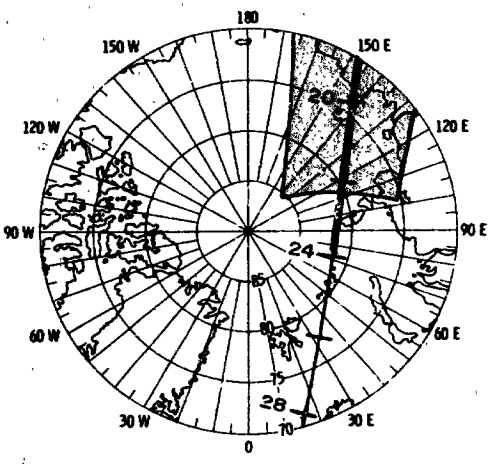
DATA ORBIT 286



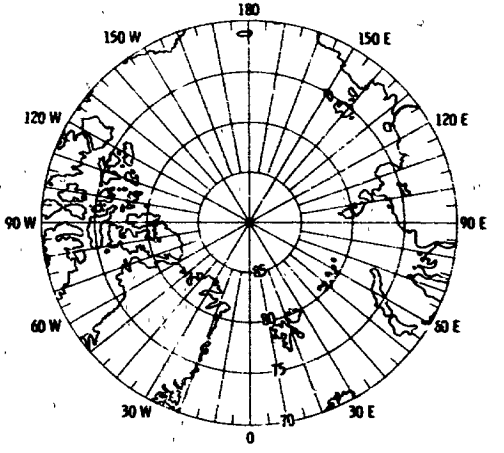
DATA ORBIT 287



DATA ORBIT 288

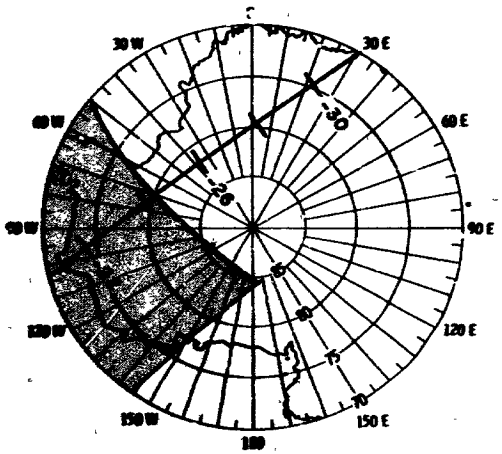


DATA ORBIT

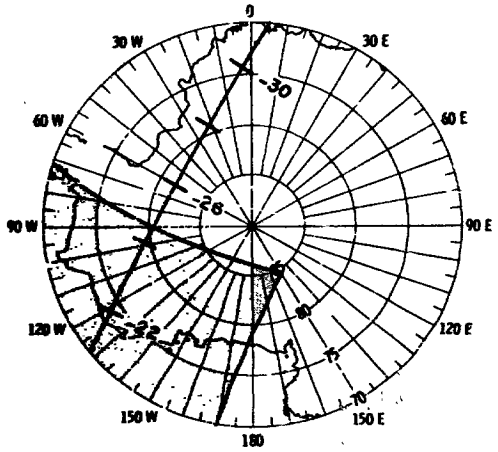


SOUTH POLAR REGIONS

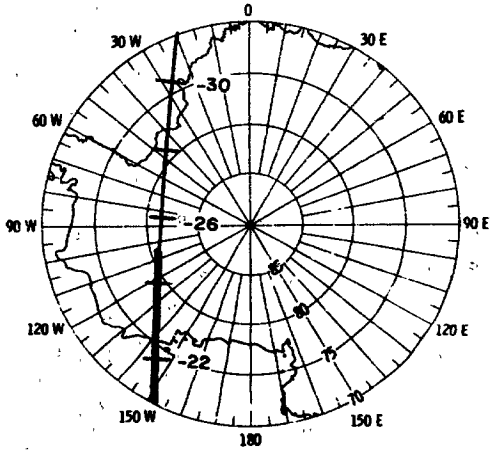
DATA ORBIT 285



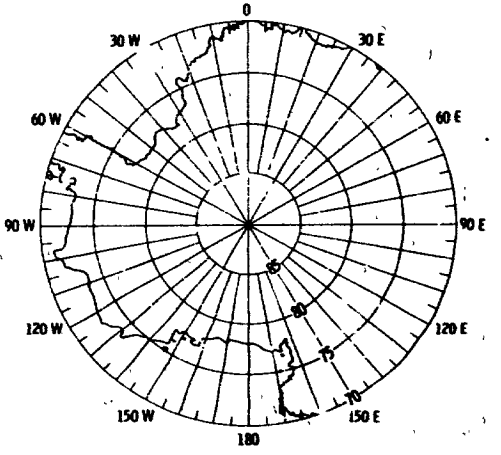
DATA ORBIT 286



DATA ORBIT 287



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 1

DATA ORBIT 274/275
DATE 16 September 1964
ASC. NODE 02 29 28 UT
137.48 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-276-04438	1	02 50 50	+21.4	456	11	1	Arctic Ice	
	1					2	Arctic Ice	FRONTAL BANDS
	1					3		Streets
2-276-04438	2	02 49 19	+19.9	466	17	1		Streaks
	2					2		
	2					3		
3-276-04438	3	02 47 48	+18.3	478	23	1		
	3					2		
	3					3		
4-276-04438	4	02 46 17	+16.8	492	29	1		
	4					2		MOSTLY CUFM
	4					3		Bands
5-276-04438	5	02 44 46	+15.3	507	35	1		Streaks
	5					2		Streaks
	5					3		
6-276-04438	6	02 43 15	+13.8	524	41	1		
	6					2		
	6					3		
7-276-04438	7	02 41 44	+12.3	543	46	1		
	7					2		
	7					3		
8-276-04438	8	02 40 13	+10.8	563	52	1	Korea Bay & Shantung Pen.	
	8					2	E. North Korea Cst.	FRONTAL BANDS
	8					3		
9-276-04438	9	02 38 42	+ 9.2	585	58	1		
	9					2		
	9					3		
10-276-04438	10	02 37 11	+ 7.7	607	63	1		
	10					2		CUFM
	10					3		Apparent Storm Areas
11-276-04438	11	02 35 40	+ 6.2	630	69	1		Streaks
	11					2		Lines of Small Cu
	11					3		
12-276-04438	12	02 34 09	+ 4.7	654	74	1		
	12					2		
	12					3		
13-276-04438	13	02 32 38	+ 3.2	678	79	1		
	13					2		
	13					3		
14-276-04438	14	02 31 07	+ 1.7	703	83	1		
	14					2		
	14					3		
15-276-04438	15	02 29 36	+ 0.1	729	85	1		
	15					2		
	15					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 2

DATA ORBIT 275/276
DATE 16 September 1964
ASC. NODE 04 07 54 GT
112.67 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-276-04438	1	04 29 50	+21.9	453	9	1		BANDS Eddies Streets Streaks Shear
	1					2		
	1					3		
2-276-04438	2	04 28 19	+20.4	462	15	1		
	2					2		
	2					3		
3-276-04438	2	04 26 48	+18.9	473	21	1		
	3					2		
	3					3		
4-276-04438	4	04 25 17	+17.4	486	27	1		
	4					2		
	4					3		
5-276-04438	5	04 23 46	+15.9	501	33	1		MOSTLY CUFM Streets Streaks Some Bands
	5					2		
	5					3		
6-276-04438	6	04 22 15	+14.4	517	38	1	Lake Ubsa	
	6					2		
	6					3		
7-276-04438	7	04 20 44	+12.8	535	44	1	Lakes Hara & Durga	
	7					2	Lake Boon Tsagaan	
	7					3		
8-276-04438	8	04 19 13	+11.3	555	50	1		
	8					2		
	8					3		
9-276-04438	9	04 17 42	+ 9.8	576	56	1	Koko Lake	MOSTLY CLOUD COVERED
	9					2		
	9					3		
10-276-04438	10	04 16 11	+ 8.3	597	61	1		
	10					2		
	10					3		
11-276-04438	11	04 14 40	+ 6.8	620	67	1		TYPHOON TILDA Remnants of Typhoon Violet
	11					2		
	11					3		
12-276-04438	12	04 13 09	+ 5.3	643	72	1		
	12					2	Hainan	
	12					3		
13-276-04438	13	04 11 38	+ 3.7	668	78	1		
	13					2	Viet Nam Cst.	
	13					3		
14-276-04438	14	04 10 07	+ 2.2	693	83	1		CUFM & STFM
	14					2		
	14					3		
15-276-04438	15	04 08 36	+ 0.7	719	85	1		
	15					2		
	15					3		
16-276-04438	16	03 45 40	-22.2	963	11	1		THIN CLOUDS
	16					2	ANTARCTICA	
	16					3		
17-276-04438	17	03 44 09	-23.8	982	5	1		
	17					2		
	17					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 3

DATA ORBIT 276/277
DATE 16 September 1964
ASC. NODE 05 46 20 UT
88.27 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-277-04463	1	06 08 39	+22.3	451	8	1		
	1					2		BANDS
	1					3		Some Frontal
2-277-04463	2	06 07 08	+20.8	459	13	1		Eddies
	2					2		Streets
	2					3		Streaks
3-277-04463	3	06 05 37	+19.3	471	9	1		
	3					2		
	3					3		
4-277-04463	4	06 04 06	+17.8	482	26	1		
	4					2		
	4					3		
5-277-04463	5	06 02 35	+16.3	497	33	1		
	5					2		
	5					3		
6-277-04463	6	06 01 04	+14.7	513	38	1		
	6					2		
	6					3		
7-277-04463	7	05 59 33	+13.2	530	44	1		
	7					2		
	7					3		
8-277-04463	8	05 58 02	+11.7	550	50	1	Lake Son	MOSTL. CLEAR
	8					2	Lake Issyk	
	8					3	Lake Sairam, Ili River	
9-277-04463	9	05 56 31	+10.2	570	56	1		
	9					2	Takla Makan Desert, Khotan River	
	9					3	Takla Makan Desert	
10-277-04463	10	05 55 00	+ 8.7	591	61	1		
	10					2	HIMALAYA MTS.	CUFM
	10					3	Snow Covered	Some Cb
11-277-04463	11	05 53 29	+ 7.2	614	66	1		Streaks
	11					2		
	11					3		
12-277-04463	12	05 51 58	+ 5.6	636	71	1		
	12					2		
	12					3		
13-277-04463	13	05 50 27	+ 4.1	660	76	1		
	13					2		CUFM & STFM
	13					3		Storm Area in Bay of Bengal
14-277-04463	14	05 48 56	+ 2.6	685	81	1		Extensive Ci
	14					2		
	14					3		
15-277-04463	15	05 47 25	+ 1.1	710	85	1		
	15					2		
	15					3		
16-277-04463	16	05 45 54	- 0.4	735	84	1		
	16					2		
	16					3		
17-277-04463	17	05 44 23	- 2.0	760	80	1		
	17					2		
	17					3		
18-277-04463	18	05 42 52	- 3.5	785	75	1		
	18					2		FRONTAL BANDS
	18					3		Vortex Vicinity 19 S
19-277-04463	19	05 41 21	- 5.0	808	70	1		Large Storm Area Vicinity 23 S
	19					2		Eddies
	19					3		
20-277-04463	20	05 39 50	- 6.5	830	65	1		
	20					2		
	20					3		
21-277-04463	21	05 38 19	- 8.0	852	59	1		
	21					2		
	21					3		
22-277-04463	22	05 36 48	- 9.5	872	54	1		
	22					2		
	22					3		
23-277-04463	23	05 35 17	-11.1	891	49	1		
	23					2		
	23					3		
24-277-04463	24	05 33 46	-12.6	907	44	1		
	24					2		
	24					3		
25-277-04463	25	05 32 15	-14.1	922	39	1		
	25					2		
	25					3		
26-277-04463	26	05 30 44	-15.6	935	33	1		
	26					2		
	26					3		
27-277-04463	27	05 29 13	-17.1	946	28	1		
	27					2		
	27					3		
28-277-04463	28	05 27 42	-18.6	953	23	1		
	28					2	ANTARCTICA	
	28					3		
29-277-04463	29	05 26 11	-20.2	959	18	1		APPARENT CLOUDS
	29					2		
	29					3		
30-277-04463	30	05 24 40	-21.7	962	13	1		
	30					2		
	30					3		
31-277-04463	31	05 23 09	-23.2	967	8	1		
	31					2		
	31					3		
32-277-04463	32	05 21 38	-24.7	981	3	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 , ack 4

DATA ORBIT 277/278
DATE 16 September 1964
ASC. NODE 07 21 46 UT
63.67 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-279-60721	1	07 46 56	+22.2	45.	8	1		
	1					2		BANDS
	1					3		
2-279-60721	2	07 45 25	+20.7	480	13	1		
	2					2		
	2					3		
3-280-60731	3	07 42 23	+17.6	483	26	1		
	3					2		MOSTLY CLOUD COVERED
	3					3		
4-280-60731	4	07 40 52	+16.1	497	32	1		
	4					2		
	4					3		
5-280-60731	5	07 36 19	+11.5	550	50	1	Caspian Sea	Cufm
	5					2	Caspian Sea	Mostly Clear
	5					3	Aral Sea	Mostly Clear
6-280-60731	6	07 34 48	+10.0	571	55	1		Cufm
	6					2		Cufm
	6					3		Mostly Clear
7-280-60731	7	07 33 17	+ 8.5	593	61	1	N. Persian Gulf	
	7					2		MOSTLY CLEAR
	7					3		
8-280-60731	8	07 31 46	+ 7.0	615	66	1	S. Persian Gulf	
	8					2	Gulf of Oman	
	8					3	Pakistan Cst.	
9-280-60731	9	07 30 15	+ 5.5	638	71	1	Muscat - Oman Cst.	
	9					2	Muscat - Oman Cst.	
	9					3		
10-280-60731	10	07 28 44	+ 4.0	662	77	1		
	10					2		CUFM & STFM
	10					3		Fibrous
11-280-60731	11	07 27 13	+ 2.5	687	82	1		Streaks
	11					2		Lines of Cu
	11					3		
12-284-04396	12	07 24 11	- 0.6	737	84	1		
	12					2		CUFM
	12					3		Bands
13-284-04396	13	07 22 40	- 2.1	762	79	1		Cellular
	13					2		Fibrous
	13					3		Ci
14-284-04396	14	07 21 08	- 3.6	786	74	1		
	14					2		
	14					3		
15-285-60745	15	07 18 07	- 6.7	832	64	1		
	15					2		CUFM
	15					3		Large Cellular Field
16-285-60745	16	07 16 36	- 8.2	853	59	1		Bands
	16					2		
	16					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 5

DATA ORBIT 278/279
DATE 16 September 1964
ASC. NODE 09 03 12 UT
39.06 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-279-60721	1	09 23 24	+20.2	462	15	1		
	1*					2		BANDS
	1					3		Streets
2-279-60721	2	09 21 53	+18.7	473	21	1		
	2*					2		
	2					3		
3-279-60721	3	09 20 22	+17.2	487	27	1		
	3					2		
	3					3		
4-279-60721	4	09 18 51	+15.7	501	33	1		
	4					2		
	4					3		
5-279-60721	5	09 17 20	+14.1	517	39	1		MOSTLY CLEAR
	5					2		
	5					3		
6-279-60721	6	09 15 49	+12.6	535	45	1		
	6					2		
	6					3	Crimea, Dnieper River	
7-279-60721	7	09 14 18	+11.1	554	51	1	Greece - W. Turkey	
	7					2	Turkey, Sea of Marmara	
	7					3	N. Turkey	
8-279-60721	8	09 12 47	+ 9.6	576	56	1	Crete, Karpathos & Rhodes Is.	
	8					2	S. Turkey	
	8					3	Cyprus, Turkey & Syria	
9-279-60721	9	09 11 16	+ 8.1	598	62	1		
	9					2	AFRICA	
	9					3	Madagascar	
10-279-60721	10	09 09 45	+ 6.6	621	68	1	Sinai Pen.	
	10					2	Red Sea	
	10					3	Dead Sea	
11-279-60721	11	09 08 14	+ 5.0	644	73	1	Nile River	
	11					2	Lakes Tana, Nyasa & Victoria	
	11					3		
12-279-60721	12	09 06 43	+ 3.5	668	80	1		
	12					2		CUFM
	12					3		Some Cb
13-279-60721	13	09 05 12	+ 2.0	693	83	1		Streets
	13					2		Streaks
	13					3		Large Open Areas
14-279-60721	14	09 03 41	+ 0.5	718	86	1		
	14					2		
	14					3		
15-279-60721	15	09 02 10	- 1.0	744	83	1		
	15					2		
	15					3		
16-279-60721	16	09 00 39	- 2.6	768	78	1		
	16					2		
	16					3		
17-279-60721	17	08 59 08	- 4.1	792	73	1		
	17					2		
	17					3		
18-279-60721	18	08 57 37	- 5.6	815	67	1		
	18					2		
	18					3		
19-279-60721	19	08 56 06	- 7.1	838	63	1		
	19					2		
	19					3		
20-279-60721	20	08 54 35	- 8.6	860	57	1		BANDS
	20					2		Some Frontal
	20					3		Eddies
21-279-60721	21	08 53 04	-10.1	879	52	1		
	21					2		
	21					3		
22-279-60721	22	08 51 33	-11.7	897	47	1		
	22					2		
	22					3		
23-279-60721	23	08 50 02	-13.2	912	42	1		
	23					2		
	23					3		
24-279-60721	24	08 48 31	-14.7	926	36	1		
	24					2		
	24					3		
25-279-60721	25	08 47 00	-16.2	938	31	1		
	25					2		
	25					3		
26-279-60721	26	08 45 29	-17.7	948	26	1		
	26					2		
	26					3		
27-279-60721	27	08 43 58	-19.2	955	21	1		
	27					2	ANTARCTICA	APPARENT CLOUDS
	27					3		
28-279-60721	28	08 42 27	-20.8	960	16	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 6

DATA ORBIT 279/280
DATE 16 September 1964
ASC. NODE 10 41 38 UT
14.46 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-280-60731	1	11 00 22	+18.7	472	21	1		MOSTLY CLOUD COVERED
	1					2		
	1					3		
2-280-60731	2	10 52 47	+11.1	552	51	1	E. Spain Cst.	MOSTLY CLEAR
	2					2	Balearic Is.	
	2					3	Sardinia	
3-280-60731	3	10 51 16	+ 9.6	574	56	1		
	3					2	AFRICA	
	3					3	N. & W. Csts.	
4-280-60731	4	10 45 14	+ 3.6	667	78	1	Congo & Zambezi Rivers	
	4					2		CUFM
	4					3		Some Stfm
5-280-60731	5	10 43 41	+ 2.1	692	83	1		Some Cb
	5					2		Fibrous
	5					3		
6-280-60731	6	10 42 10	+ 0.5	717	85	1		
	6					2		
	6					3		
7-280-60731	7	10 40 39	- 1.0	742	83	1		
	7					2		
	7					3		
8-280-60731	8	10 39 08	- 2.5	766	78	1		
	8					2		
	8					3		
9-280-60731	9	10 37 37	- 4.0	790	73	1		
	9					2		
	9					3		
10-280-60731	10	10 31 33	-10.1	877	52	1		BANDS
	10					2		Eddies
	10					3		
11-280-60731	11	10 30 02	-11.6	895	47	1		
	11					2		
	11					3		
12-280-60731	12	10 28 31	-13.1	911	42	1		
	12					2		
	12					3		
13-280-60731	13	10 27 00	-14.6	925	37	1		
	13					2		
	13					3		
14-280-60731	14	10 25 29	-16.2	937	31	1		
	14					2		
	14					3		
15-280-60731	15	10 23 58	-17.7	947	26	1		
	15					2		
	15					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 7

DATA ORBIT 280/281
DATE 16 September 1964
ASC. NODE 12 27 04 UT
10.14 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FFATURES	METEOROLOGICAL CONTENTS
1-281-60736	1*	12 40 09	+20.1	462	16	1		
	1*					2		
	1					3		
2-281-60736	2	12 38 38	+18.6	473	22	1	GREENLAND	MOSTLY CLEAR
	2					2		
	2					3		
3-281-60736	3	12 37 07	+17.1	486	28	1		CUFM Cellular Streaks Eddy
	3					2		
	3					3		
4-281-60736	4	12 35 36	+15.5	500	34	1		
	4					2		
	4					3		
5-281-60736	5	12 34 05	+14.0	517	39	1		
	5					2		
	5					3		
6-281-60736	6	12 32 34	+12.5	536	45	1		FRONTAL BANDS Vortices Vicinity 33 N & 43 N
	6					2		
	6					3		
7-281-60736	7	12 31 03	+11.0	555	51	1		
	7					2		
	7					3		
8-281-60736	8	12 29 32	+ 9.5	578	57	1		
	8					2		
	8					3		
9-281-60736	9	12 28 01	+ 8.0	598	62	1		
	9					2	AFRICA W. Cst.	
	9					3		
10-281-60736	10	12 26 30	+ 6.4	620	68	1		
	10					2		MOSTLY CLEAR Some Cu
	10					3		
11-281-60736	11	12 24 59	+ 4.9	644	73	1		
	11					2		
	11					3		
12-281-60736	12	12 23 28	+ 3.4	668	79	1		
	12					2		CUFM Some Cb Streaks Fibrous
	12					3		
13-281-60736	13	12 21 57	+ 1.9	693	83	1		
	13					2		
	13					3		
14-281-60736	14	12 20 26	+ 0.4	718	85	1		
	14					2		CUFM Large Cells
	14					3		
15-281-60736	15	12 18 55	- 1.2	743	83	1		
	15					2		
	15					3		
16-281-60736	16	12 17 24	- 2.7	768	78	1		
	16					2		CUFM Cellular
	16					3		
17-281-60736	17	12 15 53	- 4.2	792	73	1		
	17					2		
	17					3		
18-281-60736	18	12 14 22	- 5.7	816	67	1		
	18					2		
	18					3		
19-281-60736	19	12 12 51	- 7.2	838	62	1		
	19					2		
	19					3		
20-281-60736	20	12 11 20	- 8.7	858	57	1		
	20					2		FRONTAL BANDS Vortex Vicinity 38 S
	20					3		
21-281-60736	21	12 09 49	-10.3	878	52	1		
	21					2		
	21					3		
22-281-60736	22	12 08 18	-11.8	897	46	1		
	22					2		
	22					3		
23-281-60736	23	12 06	-13.3	913	41	1		
	23					2		
	23					3		
24-281-60736	24	12 05 16	-14.8	927	35	1		
	24					2		
	24					3		
25-284-04396	25*	12 02 14	-17.8	948	25	1		
	25*					2		
	25					3		
26-284-04396	26	12 00 43	-19.4	955	20	1		MOSTLY CLOUD COVERED
	26					2		
	26					3		
27-284-04396	27	11 59 12	-20.9	960	15	1		
	27					2	ANTARCTICA	APPARENT CLOUDS
	27					3		
28-284-04396	28	11 57 41	-22.4	963	10	1		
	28					2		
	28					3		
29-284-04396	29	11 56 10	-23.9	963	5	1		
	29					2		
	29					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 8

DATA ORBIT 281/282
DATE 16 September 1964
ASC. NODE 13 58 29 UT
34.75 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-283-05316	1	14 21 36	+23.1	446	4	1		
	1					2	ARCTIC ICE	MOSTLY CLEAR
	1					3		Some Thin Clouds
2-283-05316	2	14 20 05	+21.6	455	10	1		
	2					2	GREENLAND & ISLANDS	
	2					3	Ellesmere I.	
3-283-05316	3	14 18 34	+20.1	462	16	1	Axel Heiberg I.	
	3					2	Devon I.	
	3					3	Baffin I.	
4-283-05316	4	14 17 03	+18.6	473	22	1		
	4					2		FRONTAL BANDS
	4					3		Vortex Vicinity 55 N
5-283-05316	5	14 15 32	+17.1	486	28	1		
	5					2		
	5					3		
6-283-05316	6	14 14 01	+15.5	500	34	1		
	6					2		
	6					3		
7-283-05316	7	14 12 30	+11.9	517	39	1		
	7					2		
	7					3		
8-283-05316	8	14 10 59	+12.5	536	45	1		
	8					2		
	8					3		
9-283-05316	9	14 09 28	+11.0	555	51	1		
	9					2		
	9					3		
10-283-05316	10	14 07 57	+ 9.5	576	57	1		CUFN
	10					2		Some Bands
	10					3		Some Cb
11-283-05316	11	14 06 26	+ 7.9	598	62	1		Fibrous
	11					2		
	11					3		
12-283-05316	12	14 04 55	+ 6.4	620	68	1		
	12					2		
	12					3		
13-283-05316	13	14 03 24	+ 4.9	644	73	1		
	13					2		
	13					3		
14-283-05316	14	14 01 53	+ 3.4	668	79	1		
	14					2		
	14					3		
15-283-05316	15	14 00 22	+ 1.9	693	83	1		
	15					2		ITC
	15					3		
16-283-05316	16	13 58 51	+ 0.4	718	85	1		
	16					2	SOUTH AMERICA	CUFN
	16					3		Some Cb
17-283-05316	17	13 57 20	- 1.2	743	83	1		Fibrous
	17					2		
	17					3		
18-283-05316	18	13 55 49	- 2.7	768	78	1		
	18					2		
	18					3		
19-283-05316	19	13 54 1.	- 4.2	792	73	1		
	19					2		
	19					3		
20-283-05316	20	13 52 47	- 5.7	816	67	1		
	20					2		
	20					3		
21-283-05316	21	13 51 16	- 7.2	838	62	1		
	21					2		BANDS
	21					3		
22-283-05316	22	13 49 45	- 8.7	858	57	1		
	22					2		
	22					3		
23-283-05316	23	12 48 14	-10.3	876	52	1		
	23					2		
	23					3		
24-283-05316	24	13 46 43	-11.8	897	46	1		
	24					2		
	24					3		
25-283-05316	25	13 45 12	-13.3	913	41	1		
	25					2		
	25					3		
26-283-05316	26	13 43 41	-14.8	926	36	1		
	26					2		
	26					3		
27-284-04396	27	13 42 10	-16.3	938	31	1		
	27					2		MOSTLY CLOUD COVERED
	27					3		Some Bands
28-284-04396	28	13 40 38	-17.8	948	25	1		
	28					2		
	28					3		
29-284-04396	29	13 39 08	-19.4	958	20	1		
	29					2		
	29					3		
30-284-04396	30	13 37 37	-20.9	960	15	1		
	30					2	ANTARCTICA	APPARENT THIN CLOUDS
	30					3		
31-284-04396	31	13 36 06	-22.4	963	10	1		
	31					2		
	31					3		
32-284-04396	32	13 34 35	-23.9	963	5	1		
	32					2		
	32					3		

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AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 9

DATA ORBIT 282/283
DATE 16 September 1964
ASC. NODE 15 36 55 UT
59.35 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-284-04396	1	15 58 22	+21.5	453	10	1		
	1					2	ARCTIC ICE	MOSTLY CLEAR Some Thin Bands
	1					3		
2-284-04396	2	15 56 51	+19.9	462	16	1		
	2					2	Somerset & Prince of Wales Is.	
	2					3	Devon I. & Brodeur Pen.	
3-284-04396	3	15 55 20	+18.4	473	22	1		
	3					2		BANDS Eddies Streaks
	3					3		
4-284-04396	4	15 53 49	+16.9	486	28	1		
	4					2		
	4					3		
5-284-04396	5	15 52 18	+15.4	501	34	1		
	5					2		
	5					3		
6-284-04396	6	15 50 47	+13.9	517	40	1		
	6					2		
	6					3	Gulf of St. Lawrence	
7-283-05316	7	15 20 27	-13.5	939	30	1		BANDS Eddies
	7					2		
	7					3		
8-283-05316	8	15 17 25	-19.5	955	20	1		
	8					2		MOSTLY CLOUD COVERED
	8					3		
9-283-05316	9	15 14 23	-22.5	963	10	1		
	9					2	ANTARCTICA	THIN CLOUDS
	9					3		
10-283-05316	10	15 12 52	-24.1	962	5	1		
	10					2		
	10					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 10

DATA ORBIT 283/284
DATE 16 September 1964
ASC. NODE 17 15 21 UT
83.95 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-284-04396	1	17 17 05	+ 1.7	693	34	1		
	1					2	SOUTH AMERICA	ITC
	1					3	Andes Mts., Snow Covered	
2-284-04396	2	17 15 34	+ 0.2	719	85	1	Tierra Del Fuego	
	2					2		
	2					3		
3-284-04396	3	17 14 03	- 1.3	743	82	1		
	3					2		CUFM
	3					3		Large Cellular Field
4-284-04396	4	17 12 32	- 2.8	768	77	1		St along Cst.
	4					2		
	4					3		
5-284-04396	5	17 11 01	- 4.3	792	72	1		
	5					2		
	5					3		
6-284-04396	6	17 09 30	- 5.9	815	67	1		
	6					2		
	6					3		
7-284-01396	7	17 07 59	- 7.4	837	62	1		
	7					2		FRONTAL BANDS
	7					3		Eddies
8-284-04396	8	17 06 28	- 8.9	858	56	1		Streets
	8					2		Streaks
	8					3		
9-284-04396	9	17 04 57	-10.4	878	51	1		
	9					2		
	9					3		
10-284-04396	10	17 03 26	-11.9	896	46	1		
	10					2		
	10					3		
11-284-04396	11	17 01 55	-13.4	912	41	1		
	11					2		
	11					3		
12-284-04396	12	17 00 24	-14.9	926	35	1		
	12					2		
	12					3		
13-284-04396	13	16 58 53	-16.5	939	30	1		
	13					2		
	13					3		
14-284-04396	14	16 57 22	-18.0	948	25	1		
	14					2		
	14					3		
15-284-04396	15	16 55 51	-19.5	956	20	1		
	15					2	ANTARCTICA	
	15					3	Palmer Pen.	
16-284-04396	16	16 54 20	-21.0	960	15	1	Weddell Sea	
	16					2		APPARENT THIN CLOUDS
	16					3		
17-284-04396	17	16 52 49	-22.5	963	10	1		
	17					2		
	17					3		
18-284-04396	18	16 51 18	-24.1	963	5	1		
	18					2		
	18					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 11

DATA ORBIT 284/285
DATE 16 September 1964
ASC. NODE 18 53 47 UT
108.56 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-285-60745	1	18 07 45	+14.0	515	40	1		FRONTAL BANDS
	1					2		
	1					3		
2-285-60745	2	19 06 14	+12 5	533	45	1		MOSTLY CLEAR
	2					2	UNITED STATES	
	2					3	W. Area	
3-285-60745	3	19 04 43	+10.9	553	51	1	Columbia & Colorado Rivers	Large Cellular Field over Water
	3					2	Great Salt Lake	St along Cst.
	3					3	Lakes Pyramid, Tahoe, Walker & Mead	Eddies
4-285-60745	4	19 03 12	+ 9.4	573	57	1	Salton Sea	
	4					2		
	4					3		
5-285-60745	5	19 01 41	+ 7.9	595	62	1		
	5					2	Baja California	
	5					3	Gulf of California	
6-285-60745	6	19 00 10	+ 6.4	618	68	1		
	6					2		
	6					3	S. Baja California & Mexico	
7-285-60745	7	18 58 39	+ 4.9	642	74	1		CUFM
	7					2		
	7					3		
8-285-60745	8	18 57 08	+ 3.4	666	79	1		
	8					2		
	8					3		
9-285-60745	9	18 55 37	+ 1.8	691	84	1		ITC
	9					2		
	9					3		
10-285-60745	10	18 54 06	+ 0.3	716	86	1		
	10					2		
	10					3		
11-285-60745	11	18 52 35	- 1.2	741	82	1		CUFM
	11					2		Cellular
	11					3		Large Cells
12-285-60745	12	18 51 04	- 2.7	766	76	1		Actiniform
	12					2		
	12					3		
13-285-60745	13	18 49 33	- 4.2	790	72	1		
	13					2		
	13					3		
14-285-60745	14	18 48 02	- 5.8	813	67	1		
	14					2		
	14					3		
15-285-60745	15	18 46 31	- 7.3	835	62	1		BANDS
	15					2		Cellular Cu
	15					3		Streaks
16-285-60745	16	18 45 00	- 8.8	857	57	1		
	16					2		
	16					3		
17-285-60745	17	18 43 29	-10.3	877	52	1		
	17					2		
	17					3		
18-285-60745	18	18 41 58	-11.8	895	46	1		FRONTAL BANDS
	18					2		Double Vortex Vicinity 54 S
	18					3		Eddies
19-285-60745	19	18 40 27	-13.3	911	41	1		
	19					2		
	19					3		
20-285-60745	20	18 38 56	-14.9	925	36	1		
	20					2		
	20					3		
21-285-60745	21	18 37 25	-16.4	938	31	1		
	21					2		
	21							
22-285-60745	22	18 35 54	-17.9	948	26	1		
	22					2		
	22					3		
23-285-60745	23	18 34 23	-19.4	955	20	1		
	23					2		
	23					3		
24-285-60745	24	18 32 52	-20.9	960	15	1		APPARENT CLOUDS
	24					2	ANTARCTICA	
	24					3	Palmer Pen.	
25-285-60745	25	18 31 21	-22.4	963	10	1	Filchner Ice Shelf	
	25					2		
	25					3		
26-285-60745	26	18 29 50	-24.0	963	5	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 12

DATA ORBIT 285/286
DATE 16 September 1964
ASC. NODE 20 32 13 UT
133.16 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-286-60742	1	20 47 46	+15.6	197	34	1		BANDS Large Covered Area Streaks
	1					2		
	1					3		
2-286-60742	2	20 46 15	+14.0	514	39	1		
	2					2		
	2					3		
3-286-60742	3	20 44 44	+12.5	532	45	1		
	3					2		
	3					3		
4-286-60742	4	20 43 13	+11.0	551	51	1		CUFM
	4					2		
	4					3		
5-286-60742	5	20 41 42	+ 9.5	572	57	1		FRONTAL BAND
	5					2		
	5					3		
6-286-60742	6	20 40 11	+ 8.0	593	62	1		CUFM Some Large Cells Fibrous
	6					2		
	6					3		
7-286-60742	7	20 38 40	+ 6.5	616	68	1		
	7					2		
	7					3		
8-286-60742	8	20 37 09	+ 4.9	640	73	1		APPARENT STORM AREA Streaks Fibrous
	8					2		
	8					3		
9-286-60742	9	20 35 38	+ 3.4	664	79	1		
	9					2		
	9					3		
10-286-60742	10	20 34 07	+ 1.9	689	83	1		ITC
	10					2		
	10					3		
11-286-60742	11	20 32 36	+ 0.4	714	86	1		CUFM Fibrous
	11					2		
	11					3		
12-286-60742	12	20 31 05	- 1.1	739	83	1		
	12					2		
	12					3		
13-286-60742	13	20 29 34	- 2.7	764	78	1		
	13					2		
	13					3		
14-286-60742	14	20 28 03	- 4.2	788	73	1		
	14					2		
	14					3		
15-286-60742	15	20 26 32	- 5.7	812	68	1		
	15					2		
	15					3		
16-286-60742	16	20 25 01	- 7.2	834	62	1		FRONTAL BANDS Numerous Small Vortices & Eddies
	16					2		
	16					3		
17-286-60742	17	20 23 30	- 8.7	855	57	1		
	17					2		
	17					3		
18-286-60742	18	20 21 59	-10.2	875	52	1		
	18					2		
	18					3		
19-286-60742	19	20 20 28	-11.8	893	46	1		
	19					2		
	19					3		
20-286-60742	20	20 18 57	-13.3	910	41	1		
	20					2		
	20					3		
21-286-60742	21	20 17 26	-14.8	925	36	1		
	21					2		
	21					3		
22-286-60742	22	20 15 55	-16.3	937	31	1		
	22					2		
	22					3		
23-286-60742	23	20 14 24	-17.8	947	26	1		
	23					2		
	23					3		
24-286-60742	24	20 12 53	-19.3	955	21	1		
	24					2		
	24					3		
25-286-60742	25	20 11 22	-20.9	960	15	1		
	25					2	ANTARCTICA	
	25					3		
26-286-60742	26	20 09 51	-22.4	963	10	1		APPARENT THIN CLOUDS
	26					2		
	26					3		
27-286-60742	27	20 08 20	-23.9	963	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 13

DATA ORBIT 286/287
DATE 16 September 1964
ASC. NODE 22 10 39 UT
157.76 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-287-60752	1*	22 15 37	+ 5.0	637	73	1		
	1					2		Mostly Clear
	1*					3		
2-287-60752	2	22 09 33	- 1.1	738	83	1		
	2					2		CUFM
	2					3		Small Lines
3-287-60752	3	22 06 02	- 3.6	762	78	1		Fibrous
	3					2		
	3					3		
4-287-60752	4	22 06 31	- 4.1	786	73	1		
	4					2		BANDS
	4					3		Some Frontal
5-287-60752	5	22 05 00	- 5.7	810	68	1		Vortices
	5					2		Eddies
	5					3		
6-287-60752	6	22 03 29	- 7.2	832	62	1		
	6					2		
	6					3		
7-287-60752	7	22 01 58	- 8.7	854	57	1		
	7					2		
	7					3		
8-287-60752	8	22 00 27	-10.2	874	52	1		
	8					2		
	8					3		
9-287-60752	9	21 58 56	-11.7	893	47	1		
	9					2		
	9					3		
10-287-60752	10	21 57 25	-13.2	910	41	1		
	10					2		
	10					3		
11-287-60752	11	21 55 54	-14.8	924	36	1		
	11					2		
	11					3		
12-287-60752	12	21 54 23	-16.3	936	31	1		
	12					2		
	12					3		
13-287-60752	13	21 52 52	-17.8	946	26	1		
	13					2		
	13					3		
14-287-60752	14	21 51 21	-19.3	954	21	1		
	14					2		
	14					3		
15-287-60752	15	21 49 50	-20.8	960	16	1	ANTARCTICA	APPARENT VORTEX
	15					2		Bands
	15					3		
16-287-60752	16	21 48 19	-22.3	963	10	1		
	16					2		
	16					3		
17-287-60752	17	21 46 48	-23.9	963	5	1		
	17					2		
	17					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 16 Track 14

DATA ORBIT 287/288
DATE 16 September 1964
ASC. NODE 23 49 05 UT
177.63 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GCT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-291-04501	1	00 10 58	+21.9	450	9	1		
	1					2	ARCTIC ICE	THIN BANDS
	1					3		
2-291-04501	2	00 09 29	+20 3	457	14	1	Yanskiy Bay	
	2					2	New Siberian Is.	
	2					3	New Siberian Is.	
3-291-04501	3	00 07 54	+18.8	468	20	1		
	3					2		
	3					3	E. Siberian Sea & Cst.	
4-291-04501	4	00 06 23	+17.3	480	26	1		
	4					2		BANDS
	4					3		Some Frontal
5-291-04501	5	00 04 52	+15.8	493	32	1	W. Kamchatka Cst.	
	5					2	Kamchatka	
	5					3		
6-291-04501	6	00 03 21	+14.3	509	38	1		
						2		
	6					3		
7-291-04501	7	00 01 50	+12.8	527	44	1		
	7					2		
	7					3		
8-294-00786	8	00 00 19	+11.2	545	50	1		
	8					2		FRONTAL BANDS
	8					3		Large Cellular Cu Field
9-294-00786	9	23 58 48	+ 9.7	566	55	1		
	9					2		
	9					3		
10-294-00786	10	23 57 17	+ 8.2	587	61	1		
	10					2		
	10					3		
11-294-00786	11	23 55 46	+ 6.7	610	67	1		
	11					2		CUFM
	11					3		Some Large Cb
12-294-00786	12	23 54 15	+ 5.2	634	72	1		
	12					2		
	12					3		
13-294-00786	13	23 52 44	+ 3.7	659	78	1		
	13					2		
	13					3		
14-294-00786	14	23 51 13	+ 2.1	683	83	1		
	14					2		ITC
	14					3		
15-294-00786	15	23 49 42	+ 0.6	708	86	1		
	15					2		CUFM
	15					3		
16-295-00770	16	23 46 49	- 2.4	758	79	1		
	16					2		
	16					3		
17-295-00770	17	23 45 08	- 3.9	782	74	1		
	17					2		
	17					3		CUFM
18-295-00770	18	23 43 38	- 5.5	805	69	1	Fiji Is.	Apparent Storm Area
	18					2	Fiji Is.	
	18					3		
19-295-00770	19	23 42 07	- 7.0	828	63	1		
	19					2		FRONTAL BANDS
	19					3		
20-295-00770	20	23 40 36	- 8.5	849	58	1		
	20					2		
	20					3		

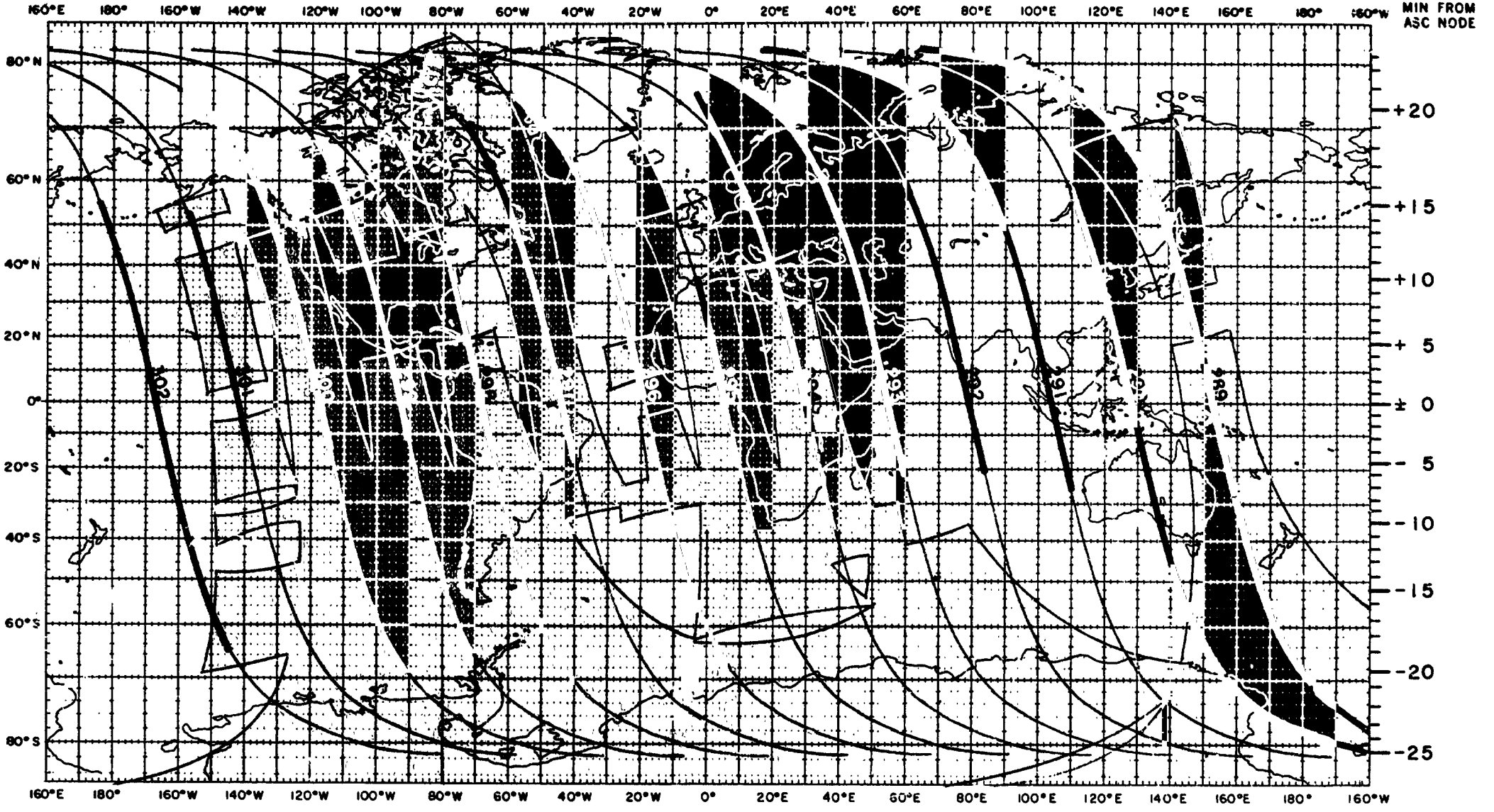
NIMBUS I DOCUMENTATION

17 September 1964

Orbits 288 through 302

AVCS DAILY COVERAGE MAP

17 SEPTEMBER 1964
ORBITS 288 TO 302

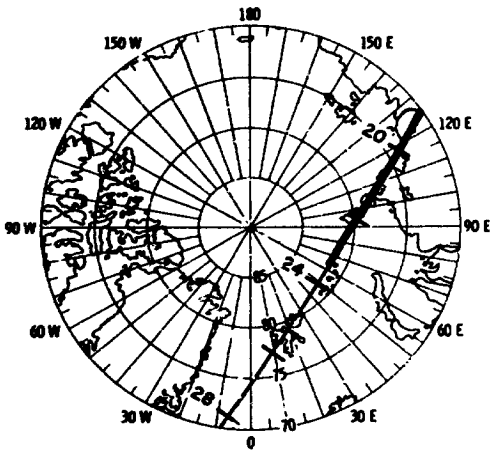


POLAR COVERAGE MAPS

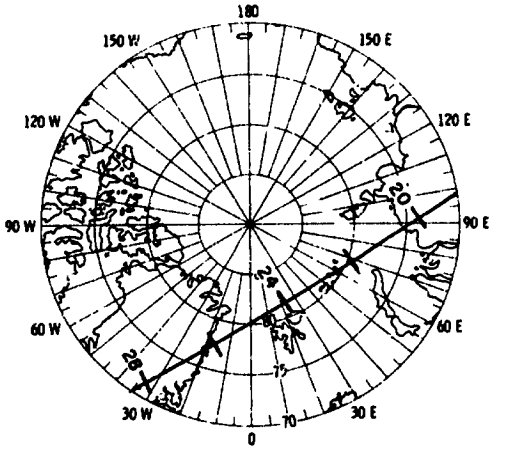
17 SEPTEMBER 1964

NORTH POLAR REGIONS

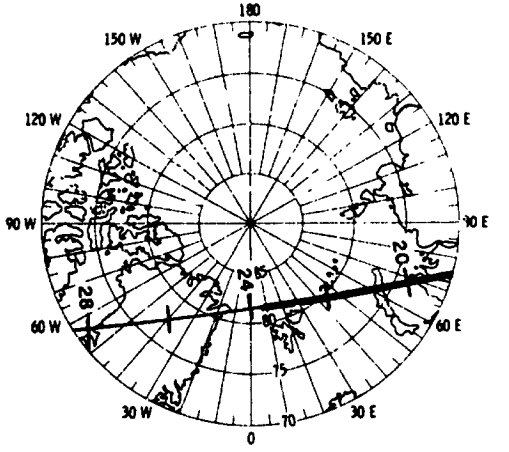
DATA ORBIT 289



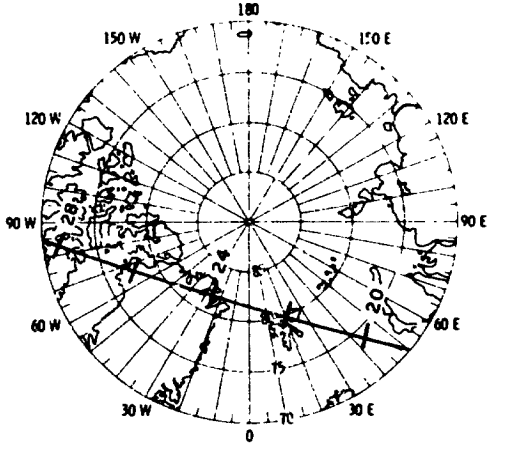
DATA ORBIT 290



DATA ORBIT 291

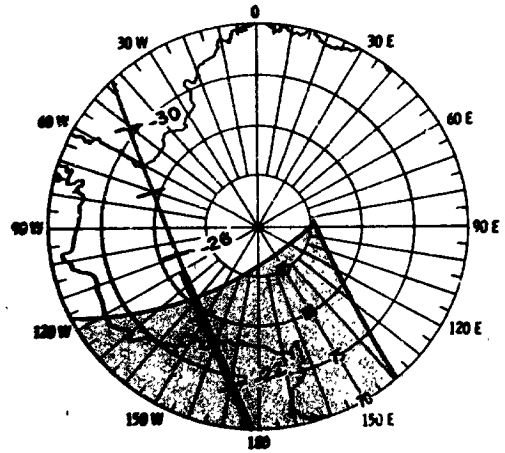


DATA ORBIT 292

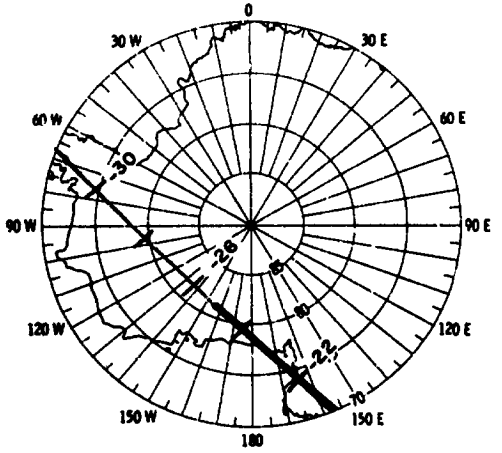


SOUTH POLAR REGIONS

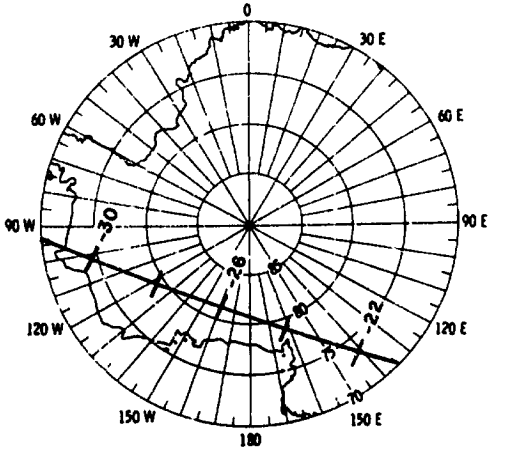
DATA ORBIT 288



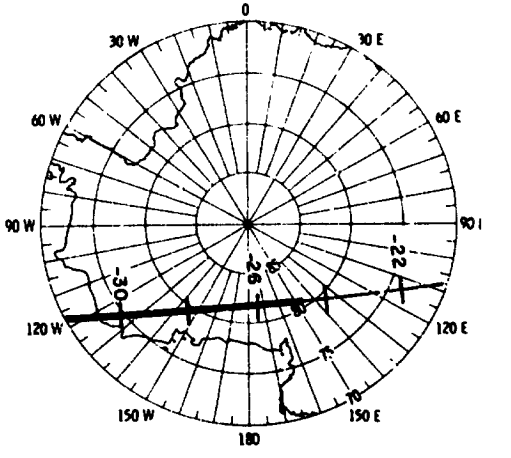
DATA ORBIT 289



DATA ORBIT 290



DATA ORBIT 291

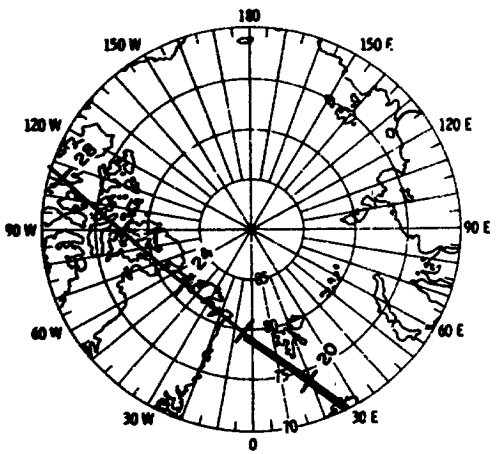


POLAR COVERAGE MAPS

17 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 293



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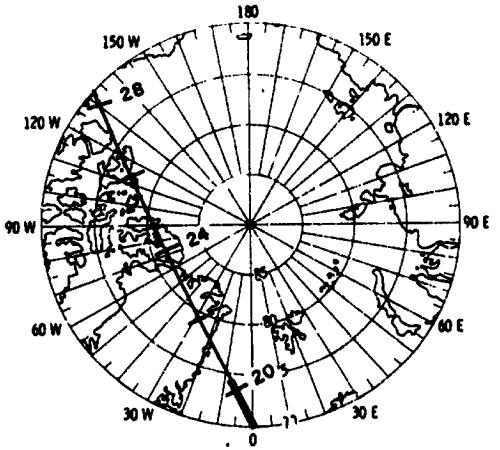

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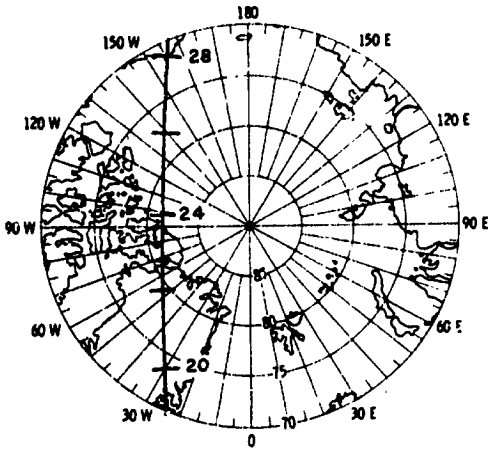
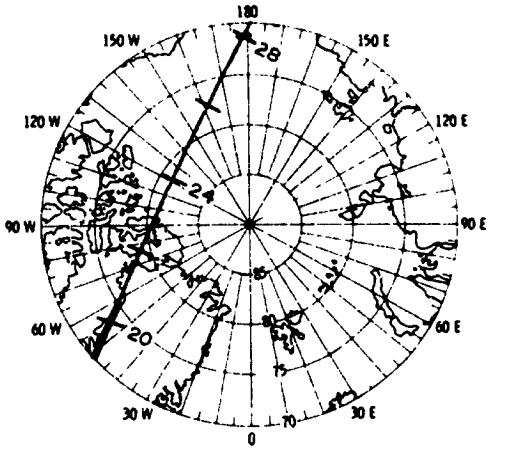
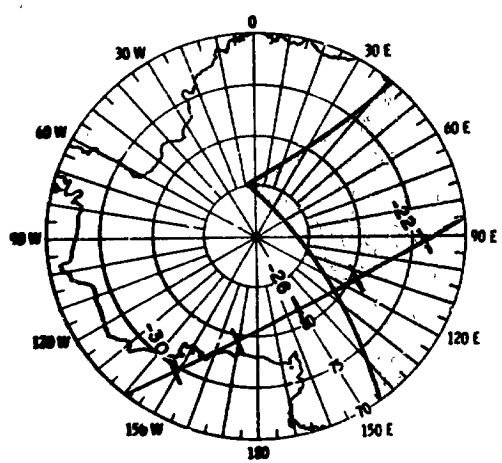


DATA ORBIT 296

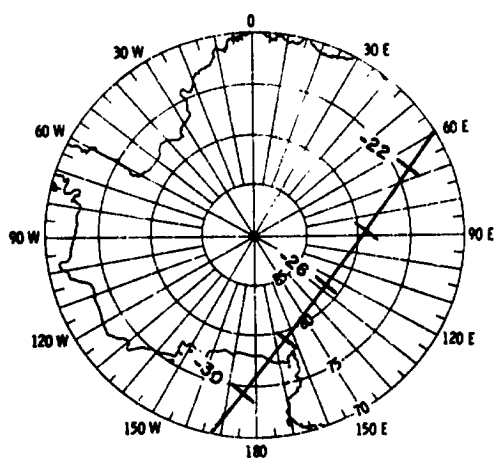


SOUTH POLAR REGIONS

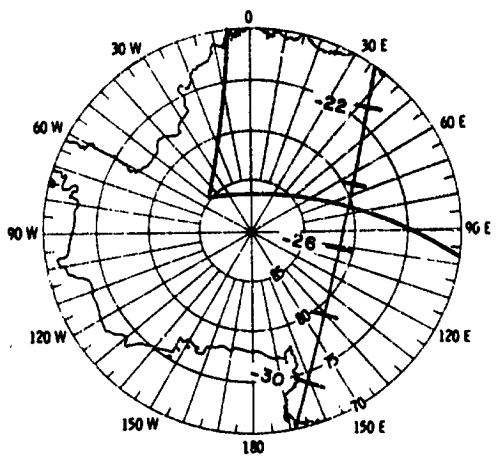
DATA ORBIT 292



DATA ORBIT 293



DATA ORBIT 294



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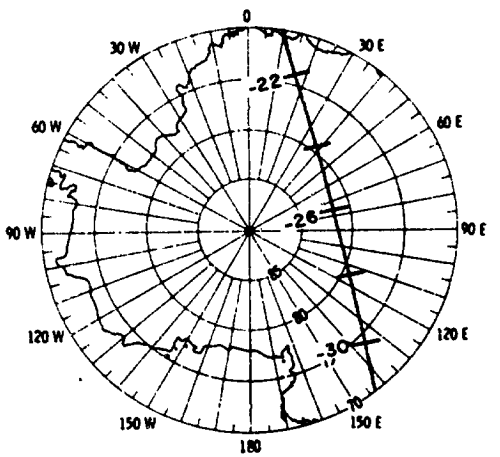
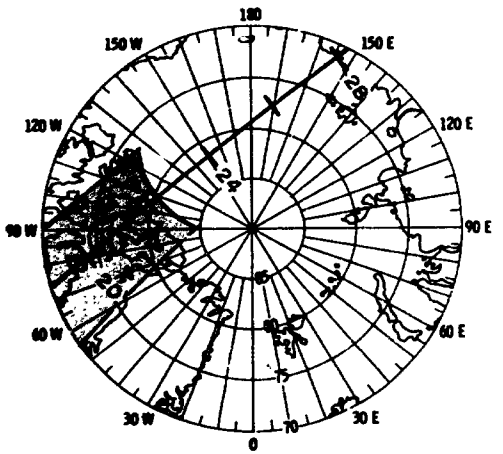


POLAR COVERAGE MAPS

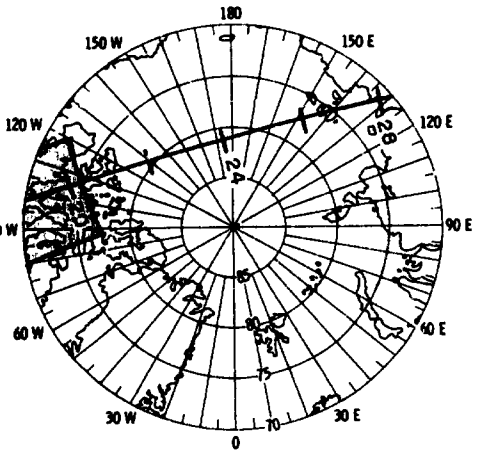
17 SEPTEMBER 1964

NORTH POLAR REGIONS

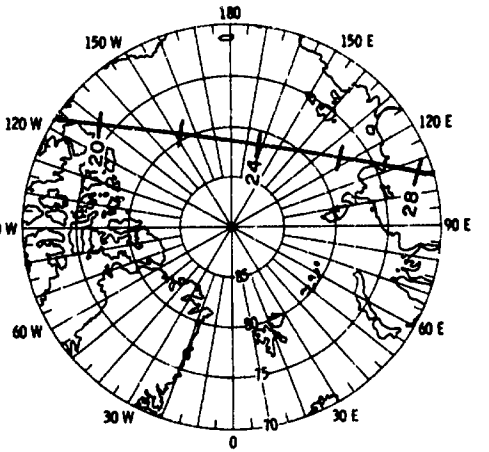
DATA ORBIT 297



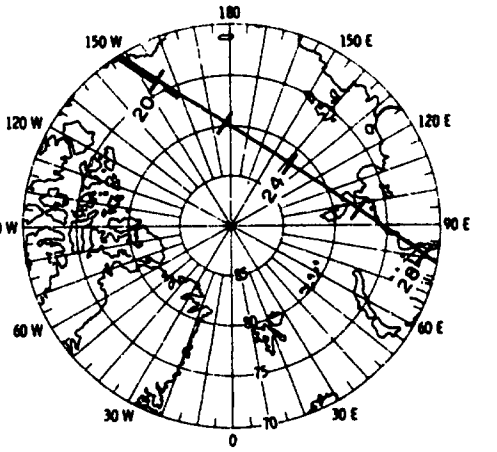
DATA ORBIT 298



DATA ORBIT 299

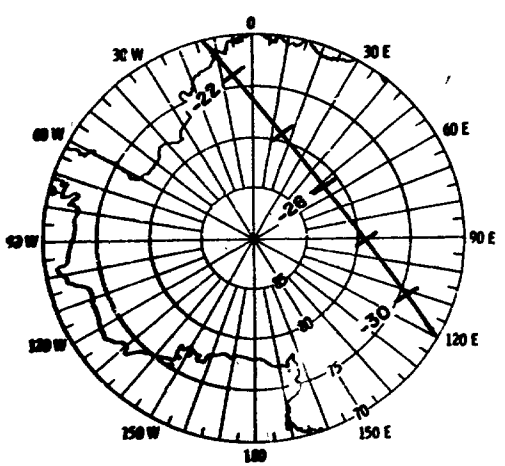


DATA ORBIT 300

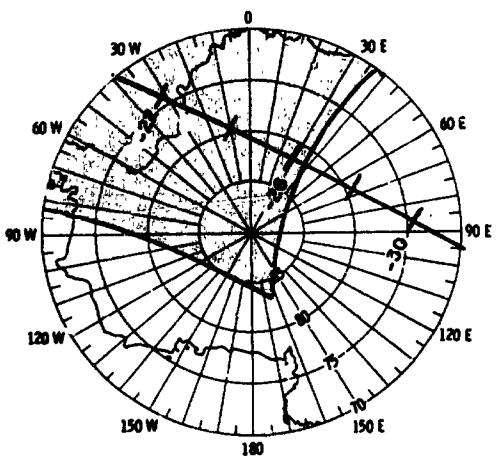


SOUTH POLAR REGIONS

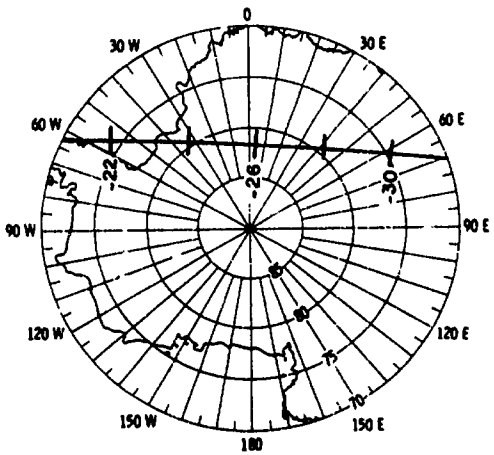
DATA ORBIT 296



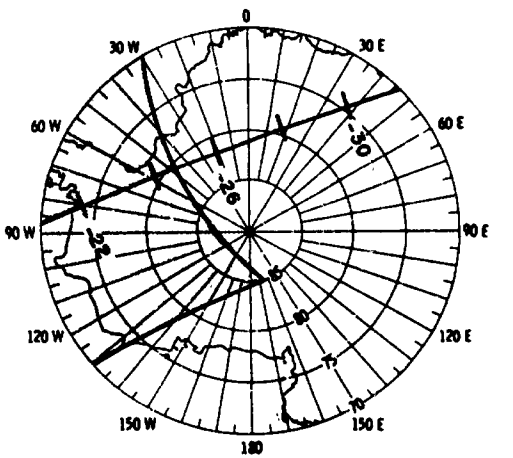
DATA ORBIT 297



DATA ORBIT 298



DATA ORBIT 299

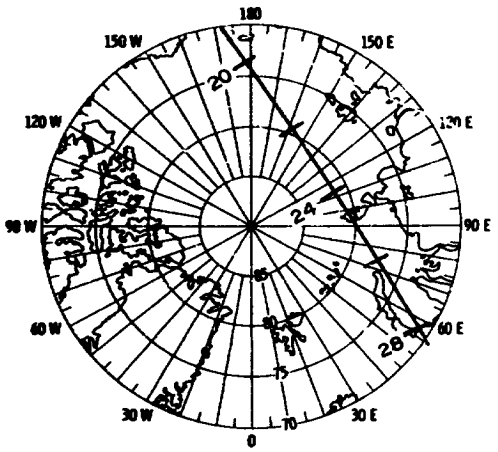


POLAR COVERAGE MAPS

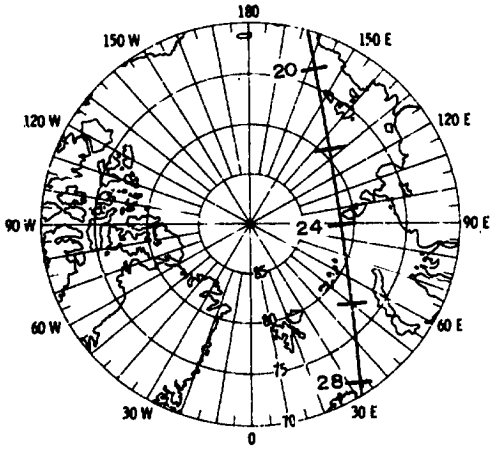
17 SEPTEMBER 1964

NORTH POLAR REGIONS

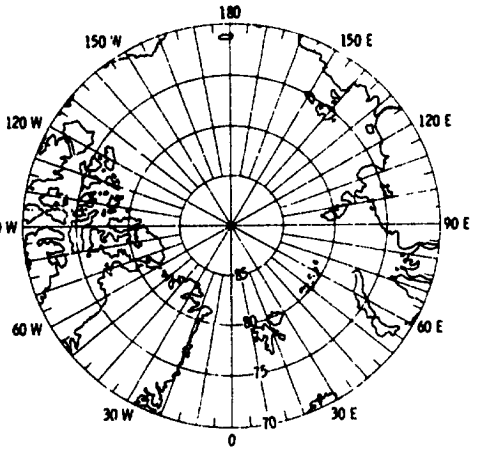
DATA ORBIT
301



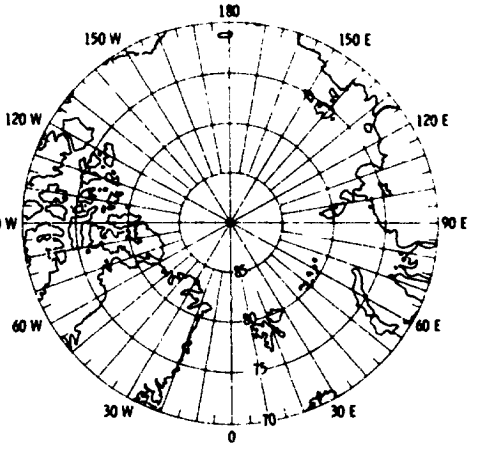
DATA ORBIT
302



DATA ORBIT

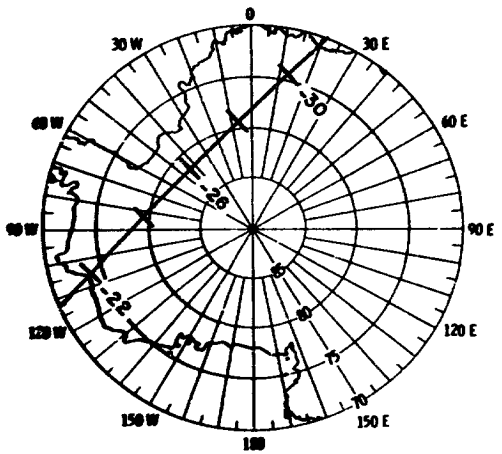


DATA ORBIT

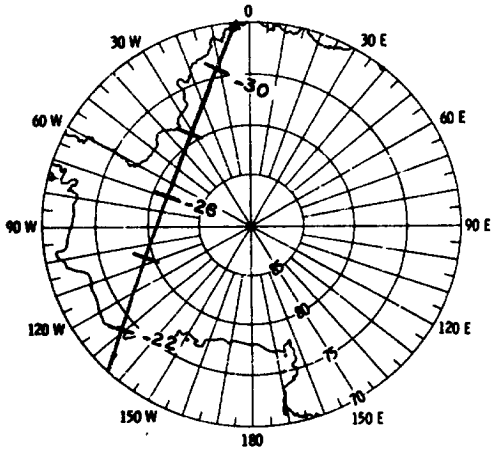


SOUTH POLAR REGIONS

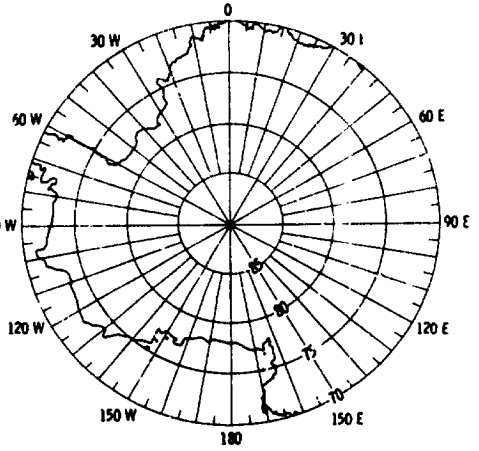
DATA ORBIT
300



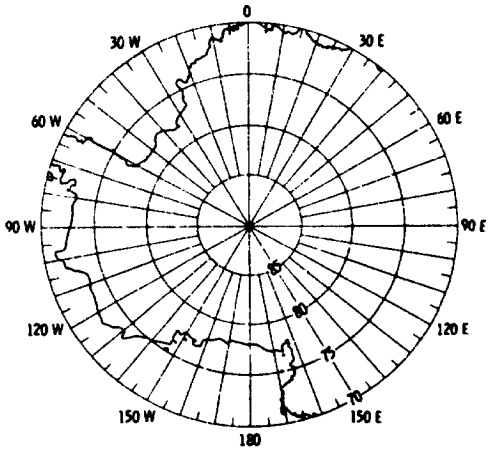
DATA ORBIT
301



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 1

DATA ORBIT 288/289
DATE 17 September 1964
ASC. NODE 01 27 31 UT
153 03 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-291-04501	1	01 46 03	+18.5	469	22	1		MOSTLY CLOUD COVERED Some Thin Clouds
	1					2		
	1					3		
2-291-04501	2	01 44 32	+17.0	482	28	1		
	2					2		
	2					3		
3-291-04501	3	01 43 01	+15.5	496	34	1	U.S.S.R. Cst. Visible	
	3					2		
	3					3		
4-291-04501	4	01 41 30	+14.0	512	39	1		CUFM & CIFM
	4					2		
	4					3		
5-291-04501	5	01 39 59	+12.5	529	45	1		CUFM Streets
	5					2		
	5					3		
6-291-04501	6	01 38 28	+10.9	548	50	1		Mostly Clear
	6					2	N. Honshu	Mostly Clear
	6					3		Stfm
7-291-04501	7	01 36 57	+ 9.4	569	56	1		BANDS
	7					2		
	7					3		
8-291-04501	8	01 32 24	+ 4.9	636	73	1		MOSTLY CUFM Storm Areas
	8					2		
	8					3		
9-291-04501	9	01 30 53	+ 3.4	661	79	1		
	9					2		
	9					3		
10-291-04501	10	01 29 22	+ 1.9	687	83	1		
	10					2		
	10					3		
11-291-04501	11	01 27 51	+ 0.3	712	86	1		
	11					2		
	11					3		
12-291-04501	12	01 26 20	- 1.2	737	81	1	NEW GUINEA & SOLOMON IS.	CUFM Some Bands Cb Fibrous
	12					2		
	12					3		
13-291-04501	13	01 24 49	- 2.7	761	78	1		
	13					2		
	13					3		
14-291-04501	14	01 23 18	- 4.2	785	72	1	AUSTRALIA E. Cst. New Caledonia	
	14					2		
	14					3		
15-291-04501	15	01 21 47	- 5.7	809	68	1		
	15					2		
	15					3		
16-291-04501	16	01 20 16	- 7.3	832	62	1		FRONTAL BANDS Eddies
	16					2		
	16					3		
17-291-04501	17	01 18 45	- 8.8	853	57	1		
	17					2		
	17					3		
18-291-04501	18	01 17 14	-10.3	873	52	1		
	18					2		
	18					3		
19-291-04501	19	01 15 43	-11.8	892	47	1	NEW ZEALAND	
	19					2		
	19					3		
20-291-04501	20	01 14 12	-13.3	908	41	1		
	20					2		
	20					3		
21-291-04501	21	01 12 41	-14.8	923	37	1		
	21					2		
	21					3		
22-291-04501	22	01 11 10	-16.4	936	31	1		
	22					2		
	22					3		
23-291-04501	23	01 09 39	-17.9	946	25	1		
	23					2		
	23					3		
24-291-04501	24	01 08 08	-19.4	954	20	1		
	24					2		
	24					3		
25-291-04501	25	01 06 37	-20.9	960	15	1	ANTARCTICA	APPARENT CLOUDS
	25					2		
	25					3		
26-291-04501	26	01 05 06	-22.4	962	10	1		
	26					2		
	26					3		
27-291-04501	27	01 03 35	-23.9	963	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 5

DATA ORBIT 292/293
DATE 17 September 1964
ASC. NODE 08 01 14 UT
54.62 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-294-60766	1	07 52 30	- 8.7	850	57	1		FRONTAL BANDS Vortex Vicinity 51 S Eddies
	1*					2		
	1*					3		
2-294-60766	2	07 50 59	-10.3	870	54	1		
	2*					2		
	2*					3		
3-294-60766	3	07 49 28	-11.8	889	47	1		
	3					2		
	3					3		
4-294-60766	4	07 47 57	-13.3	906	41	1		
	4					2		
	4					3		
5-294-60766	5	07 46 26	-14.8	921	36	1		
	5					2		
	5					3		
6-294-60766	6	07 44 55	-16.3	934	31	1		
	6					2		
	6					3		
7-294-60766	7	07 43 24	-17.8	944	26	1		
	7					2		
	7					3		
8-294-60766	8	07 41 53	-19.4	953	21	1		
	8					2	ANTARCTICA	
	8					3		
9-294-60766	9	07 40 22	-20.9	959	16	1		APPARENT CLOUDS
	9					2		
	9					3		
10-294-60766	10	07 38 51	-22.4	963	10	1		
	10					2		
	10					3		
11-294-60766	11	07 37 20	-23.9	963	5	1		
	11					2		
	11					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 6

DATA ORBIT 293/294
DATE 17 September 1964
ASC. NODE 09 34 40 UT
30.02 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-294-60766	1	09 50 21	+10.7	548	52	1	Italy & Sicily	MOSTLY CLEAR
	1					2	Albania & Greece	
	1					3	Aegean Sea	
2-294-60766	2	09 48 50	+ 9.2	569	57	1	Libya Cst.	
	2					2	Libya Cst.	
	2					3	Crete	
3-294-60766	3	09 47 19	+ 7.7	590	63	1		
	3					2	AFRICA	
	3					3	Madagascar	
4-294-60766	4	09 45 48	+ 6.1	613	68	1	Nile River	
	4					2	Sahara	
	4					3	Lake Nyasa	
5-294-60766	5	09 44 17	+ 4.6	637	74	1		
	5					2		
	5					3		
6-294-60766	6	09 42 46	+ 3.1	661	80	1		
	6					2		
	6					3		
7-294-60766	7	09 41 15	+ 1.6	686	84	1		CUFM
	7					2		Some Cb
	7					3		Some Ci
8-294-60766	8	09 39 44	+ 0.1	711	85	1		
	8					2		
	8					3		
9-294-60766	9	09 38 13	- 1.5	736	82	1		
	9					2		
	9					3		
10-294-60766	10	09 36 42	- 3.0	762	77	1		MOSTLY CLEAR
	10					2		Area of Small Cu
	10					3		
11-294-60766	11	09 35 11	- 4.5	786	72	1		
	11					2		
	11					3		
12-294-60766	12	09 33 40	- 6.0	809	67	1		
	12					2		
	12					3		
13-294-60766	13	09 32 09	- 7.5	832	61	1		
	13					2		
	13					3		
14-294-60766	14	09 30 38	- 9.0	853	56	1		FRONTAL BANDS
	14					2		Vortex Vicinity 36 S
	14					3		
15-294-60766	15	09 29 07	-10.6	874	51	1		
	15					2		
	15					3		
16-294-60766	16	09 27 36	-12.1	891	46	1		
	16					2		
	16					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
196, September 17 Track 7

DATA ORBIT 294/295
DATE 17 September 1964
ASC. NODE 11 18 06 UT
5.41 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-295-60770	1	11 32 10	+14.1	507	39	1		CUFM Some Bands Streets Streaks
	1					2		
	1					3		
2-295-60770	2	11 30 39	+12.6	524	44	1		
	2					2		
	2					3		
3-295-60770	3	11 29 08	+11.0	542	50	1	Portugal	MOSTLY CLEAR
	3					2	Spain, Duero River	
	3					3	Ebro River	
4-295-60770	4	11 27 37	+ 9.5	562	55	1		Mostly Stfm
	4					2	AFRICA	Mostly Clear
	4					3	Sahara	Mostly Clear
5-295-60770	5	11 26 06	+ 8.0	584	61	1	Niger River	MOSTLY CLEAR
	5					2	Etosha Pan	
	5					3		
6-295-60770	6	11 24 35	+ 6.5	608	67	1		
	6					2		
	6					3		
7-295-60770	7	11 23 04	+ 5.0	631	73	1		
	7					2		
	7					3		
8-295-60770	8	11 21 33	+ 3.5	655	78	1		MOSTLY CUFM Some Cb Fibrous Streaks
	8					2		
	8					3		
9-295-60770	9	11 20 02	+ 1.9	680	83	1		
	9					2		
	9					3		
10-295-60770	10	11 18 31	+ 0.4	705	86	1		
	10					2		
	10					3		
11-295-60770	11	11 17 00	- 1.1	730	83	1		CUFM Large Cellular Field over Water Fog/St along Cst.
	11					2		
	11					3		
12-295-60770	12	11 15 29	- 2.6	754	78	1		
	12					2		
	12					3		
13-295-60770	13	11 13 53	- 4.1	779	73	1		
	13					2		
	13					3		
14-295-60770	14	11 12 27	- 5.7	803	68	1		
	14					2		
	14					3		
15-295-60770	15	11 10 56	- 7.2	826	62	1		
	15					2		
	15					3		
16-295-60770	16	11 09 25	- 8.7	847	57	1		FRONTAL BANDS Vortex Vicnity 38 S
	16					2		
	16					3		
17-295-60770	17	11 07 54	-10.2	868	52	1		
	17					2		
	17					3		
18-295-60770	18	11 06 23	-11.7	887	47	1		
	18					2		
	18					3		
19-295-60770	19	11 04 52	-13.2	904	42	1		
	19					2		
	19					3		
20-295-60770	20	11 03 21	-14.8	920	36	1		
	20					2		
	20					3		
21-295-60770	21	11 01 50	-16.3	933	31	1		
	21					2		
	21					3		
22-295-60770	22	10 58 48	-19.3	952	21	1		MOSTLY CLOUD COVERED
	22					2		
	22					3		
23-295-60770	23	10 57 17	-20.8	959	16	1	ANTARCTICA	
	23					2		
	23					3		
24-295-60770	24	10 55 46	-22.3	962	11	1		APPARENT CLOUDS
	24					2		
	24					3		
25-295-60770	25	10 54 15	-23.9	963	6	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 8

DATA ORBIT 295/296
DATE 17 September 1964
ASC. NODE 12 56 32 UT
19.19 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-298-04576	1	13 00 44	+ 4.2	641	75	1		
	1					2	Cape Verde Is.	CUFM
	1					3	W. Africa Cst.	
2-299-05091	2	12 59 13	+ 2.7	666	81	1		
	2					2		ITC
	2					3		
3-299-60779	3*	12 54 40	- 1.9	741	81	1		
	3					2		CUFM
	3					3		Some Bands
4-299-60779	4*	12 53 09	- 3.4	766	76	1		Cellular
	4					2		Actiniform
	4					3		
5-299-60779	5*	12 51 38	- 4.9	790	71	1		
	5					2		
	5					3		
6-299-60779	6	12 50 07	- 6.4	814	65	1		
	6					2		
	6					3		
7-299-60779	7	12 48 36	- 7.9	838	59	1		
	7					2		
	7					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 9

DATA ORBIT 296/297
DATE 17 September 1964
ASC. NODE 14 34 57 UT
43.79 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-296-04576	1	14 56 56	+22.0	447	8	1	QUEEN ELIZABETH IS. Baffin I.	MOSTLY CLEAR Some Thin Clouds
	1					2		
	1					3		
2-296-04576	2	14 55 25	+20.5	454	14	1		
	2					2		
	2					3		
3-296-04576	3	14 53 54	+19.0	463	20	1		
	3					2		
	3					3		
4-296-04576	4	14 52 23	+17.4	474	26	1		BANDS Vortex Vicnity 59 N Numerous Cu Streets Streaks
	4					2		
	4					3		
5-296-04576	5	14 50 52	+15.9	487	32	1		
	5					2		
	5					3		
6-296-04576	6	14 49 21	+14.4	502	37	1	NEWFOUNDLAND CST.	
	6					2		
	6					3		
7-296-04576	7	14 47 50	+12.9	519	43	1		
	7					2		
	7					3		
8-296-04576	8	14 46 19	+11.4	537	49	1		
	8					2		
	8					3		
9-296-04576	9	14 44 48	+ 9.9	557	54	1		
	9					2		
	9					3		
10-296-04576	10	14 43 17	+ 8.4	579	60	1		MOSTLY SMALL CU Some Cb
	10					2		
	10					3		
11-296-04576	11	14 41 46	+ 6.8	601	66	1		
	11					2		
	11					3		
12-296-04576	12	14 40 15	+ 5.3	624	72	1		
	12					2		
	12					3		
13-296-04576	13	14 38 44	+ 3.8	647	77	1		
	13					2		
	13					3		
14-296-04576	14	14 37 13	+ 2.3	672	82	1	SOUTH AMERICA	ITC
	14					2		
	14					3		
15-296-04576	15	14 35 42	+ 0.8	697	86	1		
	15					2		CUFN Streets Some Cb Fibrous
	15					3		
16-296-04576	16	14 34 11	- 0.6	723	84	1		
	16					2		
	16					3		
17-296-04576	17	14 32 40	- 2.3	748	79	1		
	17					2		
	17					3		
18-296-04576	18	14 31 09	- 3.8	772	74	1		
	18					2		
	18					3		
19-296-04576	19	14 29 38	- 5.3	796	69	1		
	19					2		
	19					3		
20-296-04576	20	14 28 07	- 6.8	820	64	1		BANDS
	20					2		
	20					3		
21-296-04576	21	14 26 36	- 8.4	843	58	1		
	21					2		
	21					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 10

DATA ORBIT 297/298
DATE 17 September 1964
ASC. NODE 16 13 23 UT
68.40 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-299-05091	1	16 33 17	+19.9	457	16	1		BANDS Some Streaks
	1					2		
	1					3	Devon & Somerset Is.	
2-299-05091	2	16 31 46	+18.4	467	22	1		
	2					2		
	2					3		
3-299-05091	3	16 30 15	+16.9	478	28	1		
	3					2	N. Hudson Bay	
	3					3		
4-299-05091	4	16 28 44	+15.4	492	34	1		
	4					2		
	4					3		
5-299-05091	5	16 27 13	+13.8	508	40	1		
	5					2		
	5					3		
6-298-04576	6	16 18 07	+ 4.7	632	74	1	Jamaica	CUFM Some Cb Numerous Cu over Land Streaks
	6					2	Haiti & Dominican Republic	
	6					3	Dominican Republic & Puerto Rico	
7-298-04576	7	16 16 36	+ 3.2	657	79	1		
	7					2	SOUTH AMERICA Lake Maracaibo	
	7					3	Negro, Amazon & Parana Rivers	
8-298-04576	8	16 15 05	+ 1.7	681	84	1	Salt Flats	
	8					2		
	8					3		
9-298-04576	9	16 13 34	+ 0.2	707	86	1		
	9					2		
	9					3		
10-298-04576	10	16 12 03	- 1.3	731	83	1		
	10					2		
	10					3		
11-298-04576	11	16 10 32	- 2.9	756	78	1		BANDS Some Cb Streaks St along Cst.
	11					2		
	11					3		
12-298-04576	12	16 09 01	- 4.4	781	72	1		
	12					2		
	12					3		
13-298-04576	13	16 07 30	- 5.9	804	67	1		
	13					2		
	13					3		
14-298-04576	14	16 05 59	- 7.4	827	62	1		
	14					2		
	14					3		
15-298-04576	15	16 04 28	- 9.0	849	56	1		MOSTLY CLEAR
	15					2		
	15					3		
16-298-04576	16	16 02 57	-10.5	869	51	1		FRONTAL BANDS Eddies Large Fog/St Bank off Argentina-Uruguay Cst Streaks
	16					2		
	16					3		
17-298-04576	17	16 01 26	-12.0	888	46	1		
	17					2		
	17					3		
18-298-04576	18	15 59 55	-13.5	905	41	1		
	18					2		
	18					3		
19-298-04576	19	15 58 24	-15.0	921	36	1		
	19					2		
	19					3		
20-298-04576	20	15 56 53	-16.5	934	31	1		
	20					2		
	20					3		
21-298-04576	21	15 55 22	-18.1	946	25	1		
	21					2		
	21					3		
22-298-04576	22	15 53 51	-19.6	953	20	1		
	22					2		
	22					3		
23-298-04576	23	15 52 20	-21.1	959	15	1		APPARENT THIN CLOUDS
	23					2	ANTARCTICA Weddell Sea	
	23					3		
24-298-04576	24	15 50 49	-22.6	962	10	1		
	24					2		
	24					3		
25-298-04576	25	15 49 18	-24.1	963	5	1		
	25					2		
	25					3		
26-298-04576	26	15 47 47	-25.6	962	0	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 11

DATA ORBIT 298/299
DATE 17 September 1964
ASC. NODE 17 51 49 GT
93.00 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-298-60779	1	18 06 03	+14.2	502	38	1		
	1					2		BANDS
	1					3		
2-299-60779	2	18 04 32	+12.7	520	44	1		Bands
	2					2	Fort Peck Reservoir	Mostly Clear
	2					3	Garrison Reservoir	Mostly Clear
3-299-60779	2	18 03 01	+11.2	[illegible]	50	1		Bands
	3					2	N. Platte & S. Platte Rivers	Mostly Clear
	3					3		Mostly Clear
4-299-05091	4	17 55 26	+ 3.6	647	77	1		
	4					2	Central America	CUFM
	4					3	Central America	Some Cb
5-299-05091	5	17 53 55	+ 2.1	672	93	1		
	5					2		ITC
	5					3		
6-299-05091	6	17 52 24	+ 0.6	697	86	1		
	6					2		
	6					3		
7-299-05091	7	17 50 53	- 0.9	723	84	1		
	7					2		CUFM
	7					3		Large Cellular Field
8-299-05091	8	17 49 22	- 2.5	749	79	1		Some Bands
	8					2		Actiniform
	8					3		
9-299-05091	9	17 47 51	- 4.0	773	74	1		
	9					2		
	9					3		
10-299-05091	10	17 46 20	- 5.5	797	68	1		
	10					2		
	10					3		
11-299-05091	11	17 44 49	- 7.0	821	63	1		
	11					2		
	11					3		
12-299-05091	12	17 43 18	- 8.5	842	58	1		
	12					2		
	12					3		
13-299-05091	13	17 41 47	-10.0	863	53	1		
	13					2	SOUTH AMERICA	
	13					3		
14-299-05091	14	17 40 16	-11.6	883	47	1		
	14					2		BANDS
	14					3		Vortex Vicinity 50 S
15-299-05091	15	17 38 45	-13.1	901	42	1		Eddies
	15					2		Streaks
	15					3		
16-299-05091	16	17 37 14	-14.6	916	37	1		
	16					2		
	16					3		
17-299-05091	17	17 35 43	-16.1	930	32	1		
	17					2		
	17					3		
18-298-05091	18	17 34 12	-17.6	941	27	1		
	18					2		
	18					3		
19-298-05091	19	17 32 41	-19.1	951	22	1		
	19					2	ANTARCTICA	MOSTLY CLEAR
	19					3	Palmer Pen.	
20-299-05091	20	17 31 10	-20.7	957	16	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 12

DATA ORBIT 299/300
DATE 17 September 1964
ASC. NODE 19 30 15 UT
117.60 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-300-60786	1	19 42 49	+12.6	520	44	1		Bands
	1					2		Cufm
	1					3	Vancouver I. & Puget Sound	Cufm
2-300-60786	2	19 41 18	+11.1	538	50	1		Mostly Clear
	2					2		Mostly Clear
	2					3	Cape Mendocino	Cufm
3-300-60786	3	19 39 47	+ 9.5	558	56	1		
	3					2		CUFM
	3					3	California Cst	Cellular
4-300-60786	4	19 38 16	+ 8.0	580	62	1		St along Cst
	4					2		
	4					3		
5-300-60786	5	19 36 45	+ 6.5	602	67	1		
	5					2		
	5					3		
6-300-60786	6	19 35 14	+ 5.0	626	73	1		
	6					2		
	6					3		
7-300-60786	7	19 33 43	+ 3.5	650	78	1		
	7					2		STORM AREA
	7					3		
8-300-60786	8	19 32 12	+ 2.0	675	82	1		
	8					2		ITC
	8					3		
9-300-60786	9	19 30 41	+ 0.4	700	86	1		
	9					2		CUFM
	9					3		Cellular
10-300-60786	10	19 29 10	- 1.1	725	83	1		Large Cells
	10					2		Actiniform
	10					3		Fibrous
11-300-60786	11	19 27 39	- 2.6	750	78	1		
	11					2		
	11					3		
12-300-60786	12	19 26 08	- 4.1	775	73	1		
	12					2		
	12					3		
13-300-60786	13	19 24 37	- 5.6	799	67	1		
	13					2		
	13					3		
14-300-60786	14	19 23 06	- 7.2	822	62	1		
	14					2		
	14					3		
15-300-60786	15	19 21 35	- 8.7	843	57	1		
	15					2		FRONTAL BANDS
	15					3		Eddies
16-300-60786	16	19 20 04	-10.2	864	52	1		
	15					2		
	16					3		
17-300-60786	17	19 18 33	-11.7	884	46	1		
	17					2		
	17					3		
18-300-60786	18	19 17 02	-13.2	902	41	1		
	18					2		
	18					3		
19-300-60786	19	19 15 31	-14.7	917	36	1		
	19					2		
	19					3		
20-300-60786	20	19 14 00	-16.3	931	31	1		
	20					2		
	20					3		
21-300-60786	21	19 12 29	-17.8	942	26	1		
	21					2		
	21					3		
22-300-60786	22	19 10 58	-19.3	951	21	1		
	22					2		
	22					3		
23-300-60786	23	19 09 27	-20.8	957	15	1		
	23					2		THIN CLOUDS
	23					3		
24-300-60786	24	19 07 56	-22.3	962	10	1		
	24					2	ANTARCTICA	
	24					3		
25-300-60786	25	19 06 25	-23.8	963	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 17 Track 13

DATA ORBIT 300/301
DATE 17 September 1964
ASC. NODE 21 08 41 UT
142.21 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-301-60785	1	21 22 46	+14.1	503	39	1		
	1					2		BANDS
	1					3		
2-301-60785	2	21 19 44	+11.0	538	50	1		
	2					2		
	2					3		
3-301-60785	3	21 18 13	+ 9.5	553	56	1		
	3					2		CUFM
	3					3		Some Cb
4-301-60785	4	21 16 42	+ 8.0	580	62	1		Bands
	4					2		Streaks
	4					3		Fibrous
5-301-60785	5	21 15 11	+ 6.5	602	67	1		
	5					2		
	5					3		
6-301-60785	6	21 13 40	+ 5.0	625	73	1		
	6					2		
	6					3		
7-301-60785	7	21 12 09	+ 3.5	649	78	1		
	7					2		
	7					3		
8-301-60785	8	21 10 38	+ 2.0	674	82	1		
	8					2		
	8					3		
9-301-60785	9	21 06 05	- 2.6	749	78	1		Cufm
	9*					2		
	9					3		Cufm
10-301-60785	10	21 04 36	- 4.1	774	73	1		
	10					2		FRONTAL SYSTEM
	10					3		Vortex Vicinity 28 S
11-301-60785	11	21 03 03	- 5.6	798	67	1		
	11					2		
	11					3		
12-301-60785	12	21 01 32	- 7.2	822	62	1		
	12					2		
	12					3		
13-301-60785	13	20 58 30	-10.2	864	52	1		
	13					2		FRONTAL BANDS
	13					3		Eddies
14-301-60785	14	20 53 57	-14.7	916	37	1		
	14					2		
	14					3		
15-301-60785	15	20 52 26	-16.3	930	32	1		
	15					2		
	15					3		
16-301-60785	16	20 50 53	-17.8	941	27	1		
	16					2		
	16					3		

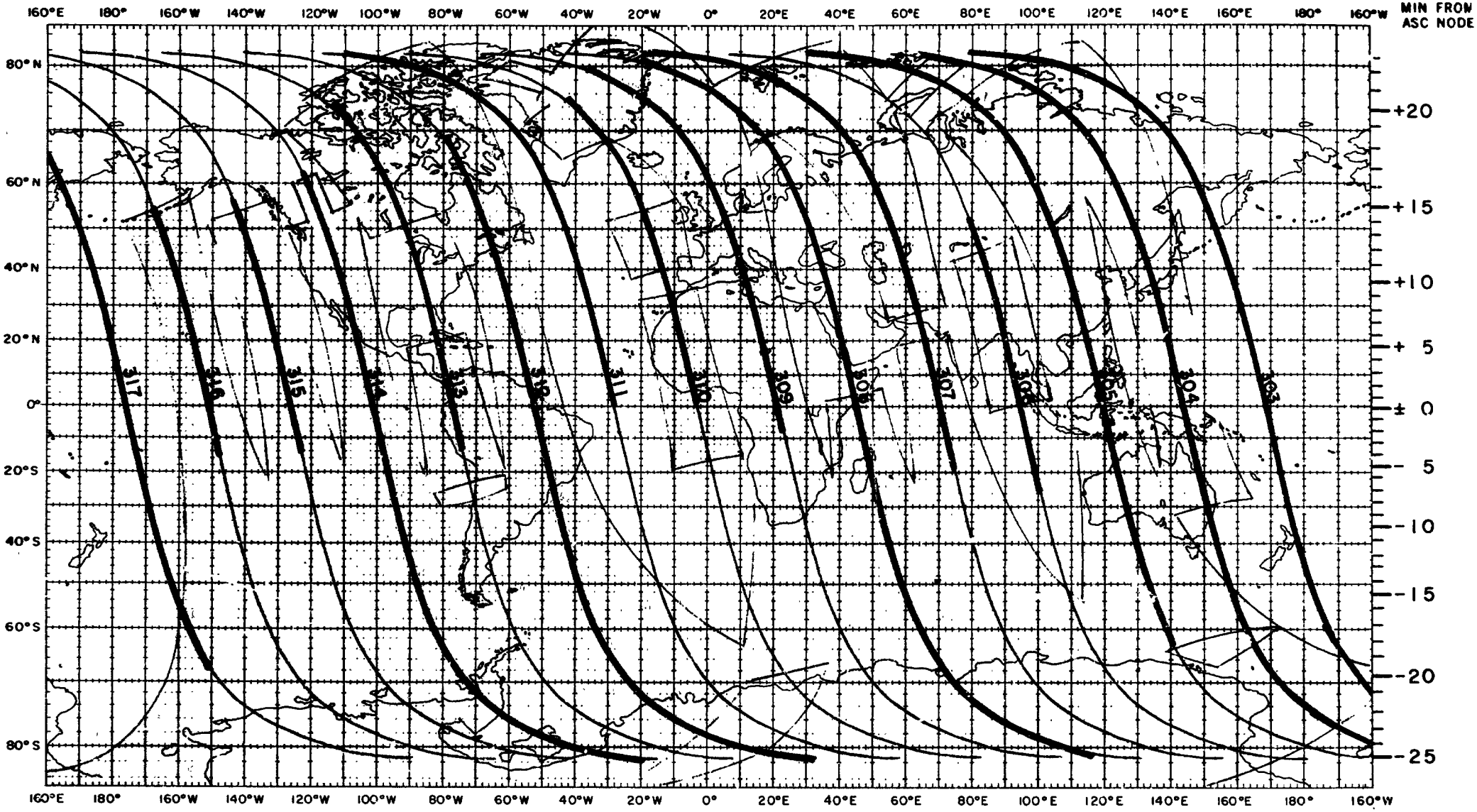
NIMBUS I DOCUMENTATION

18 September 1964

Orbits 302 through 317

AVCS DAILY COVERAGE MAP

18 SEPTEMBER 1964
ORBITS 302 TO 317

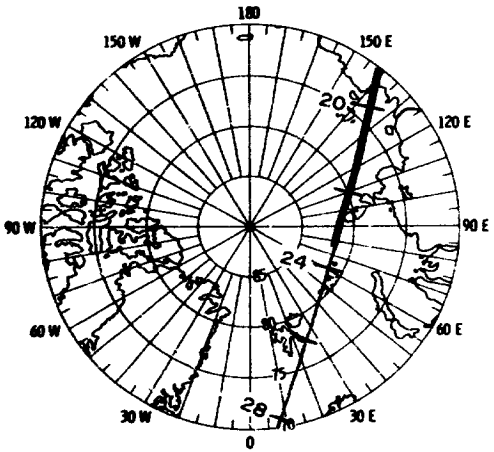


POLAR COVERAGE MAPS

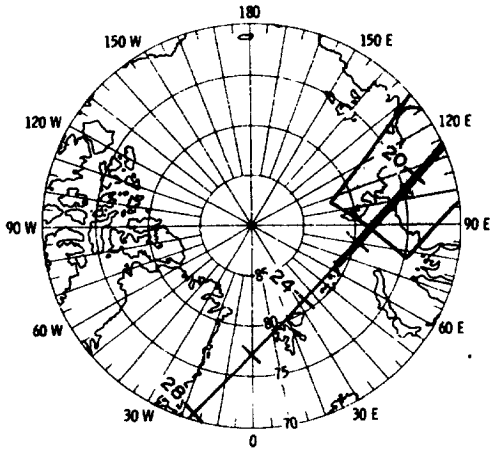
18 SEPTEMBER 1964

NORTH POLAR REGIONS

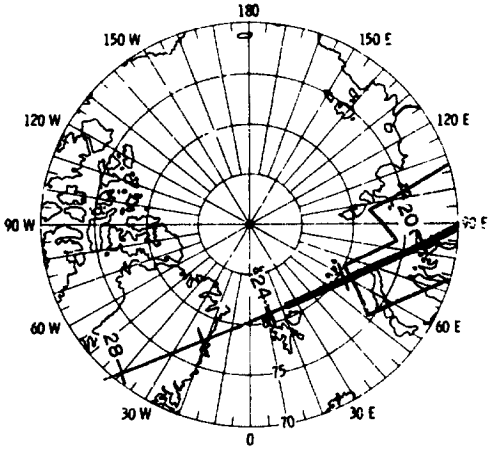
DATA ORBIT 303



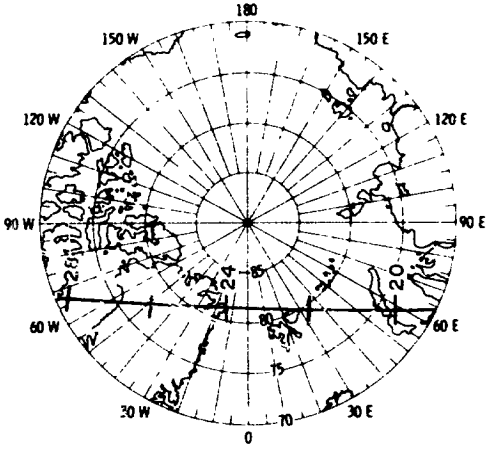
DATA ORBIT 304



DATA ORBIT 305

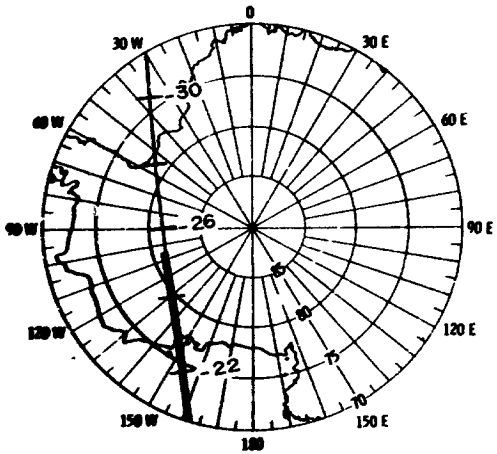


DATA ORBIT 306

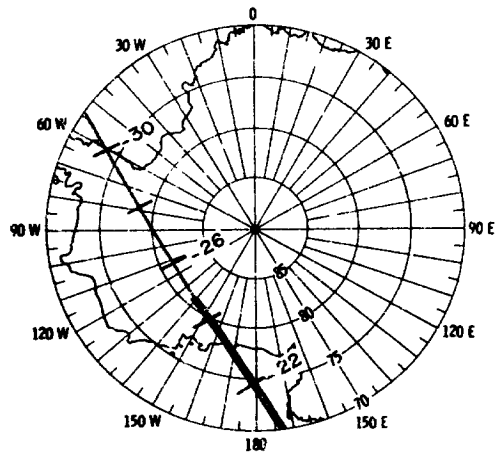


SOUTH POLAR REGIONS

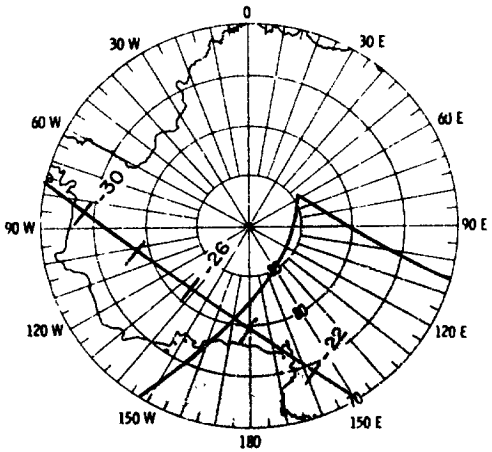
DATA ORBIT 302



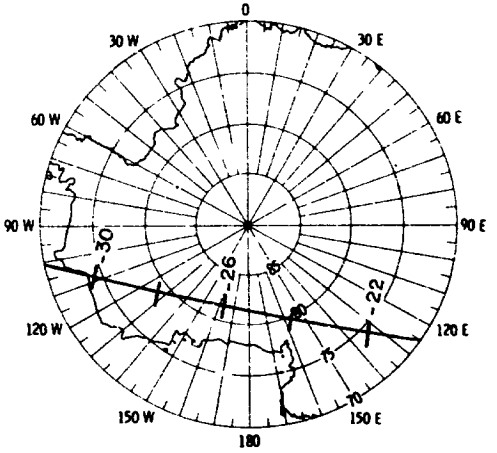
DATA ORBIT 303



DATA ORBIT 304



DATA ORBIT 305

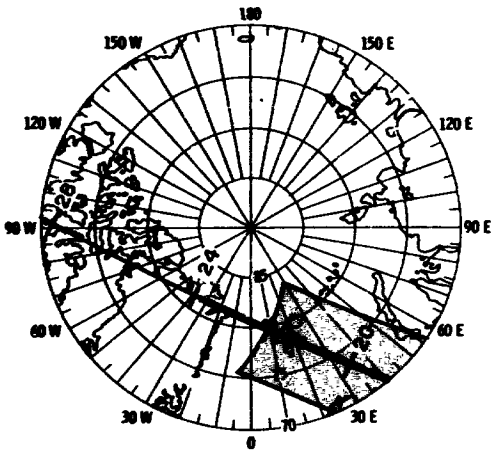


POLAR COVERAGE MAPS

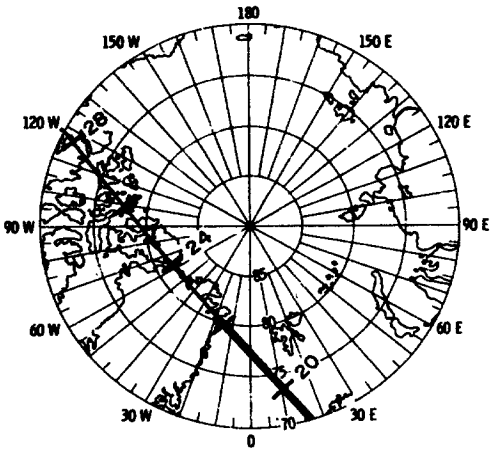
18 SEPTEMBER 1964

NORTH POLAR REGIONS

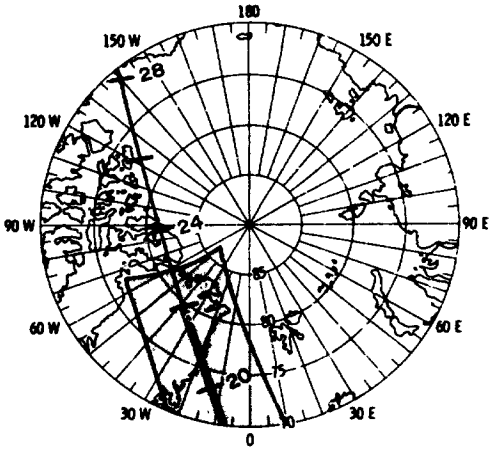
DATA ORBIT 307



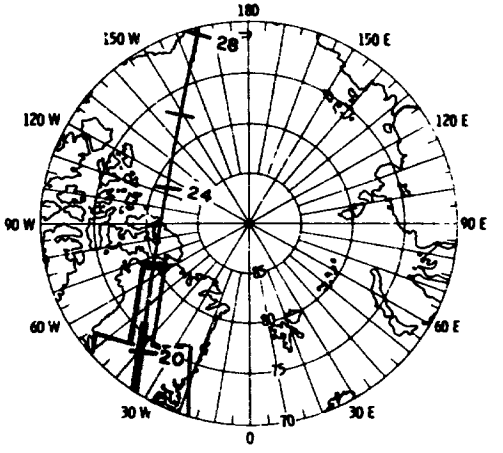
DATA ORBIT 308



DATA ORBIT 309

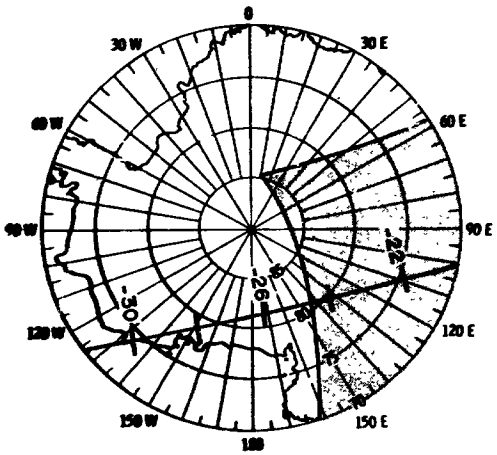


DATA ORBIT 310

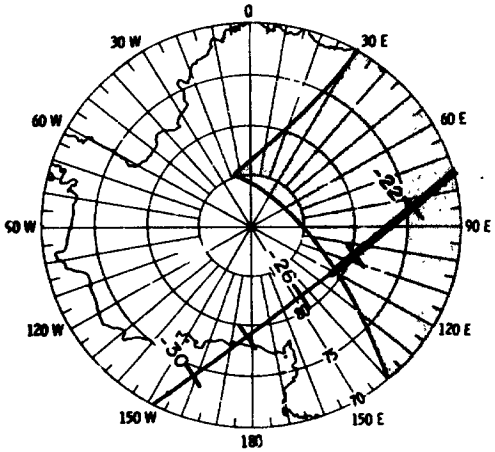


SOUTH POLAR REGIONS

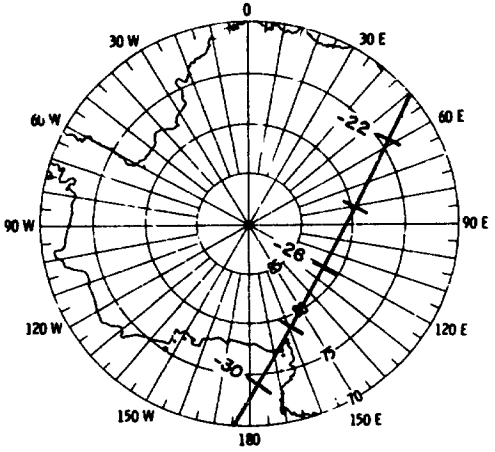
DATA ORBIT 306



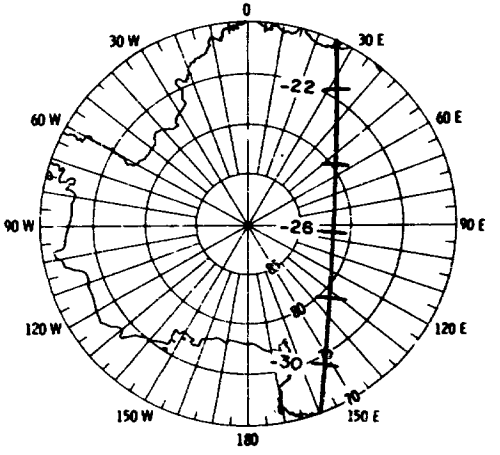
DATA ORBIT 307



DATA ORBIT 308



DATA ORBIT 309

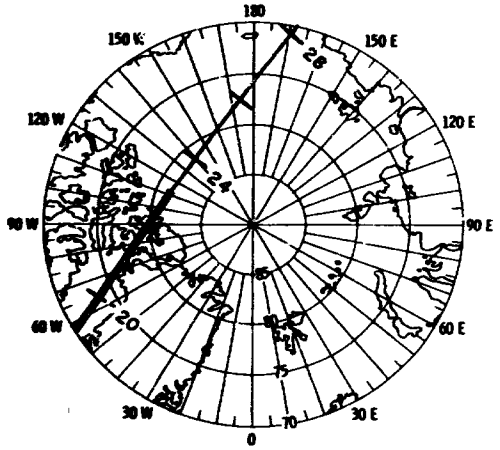


POLAR COVERAGE MAPS

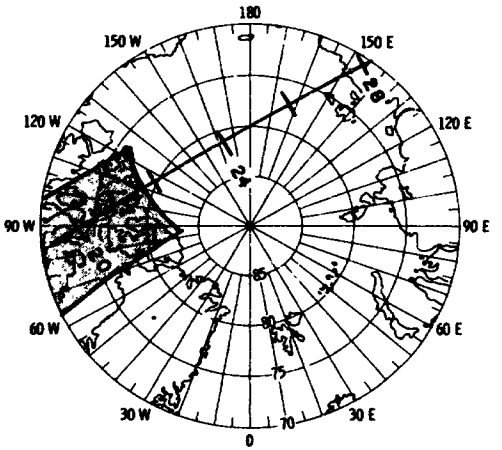
18 SEPTEMBER 1964

NORTH POLAR REGIONS

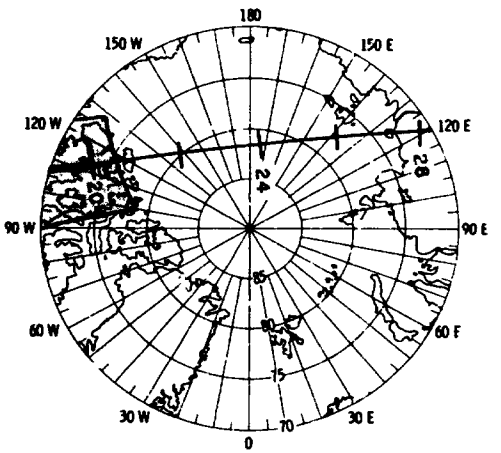
DATA ORBIT 311



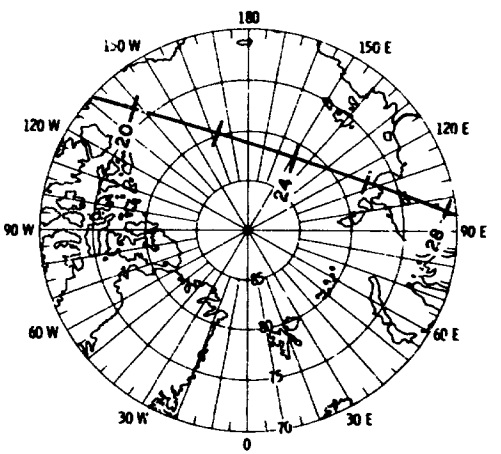
DATA ORBIT 312



DATA ORBIT 313

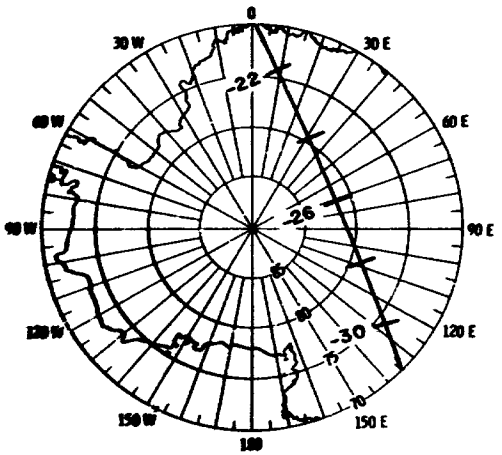


DATA ORBIT 314

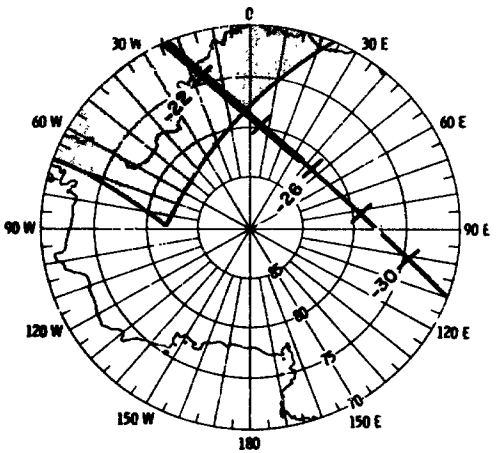


SOUTH POLAR REGIONS

DATA ORBIT 310



DATA ORBIT 311



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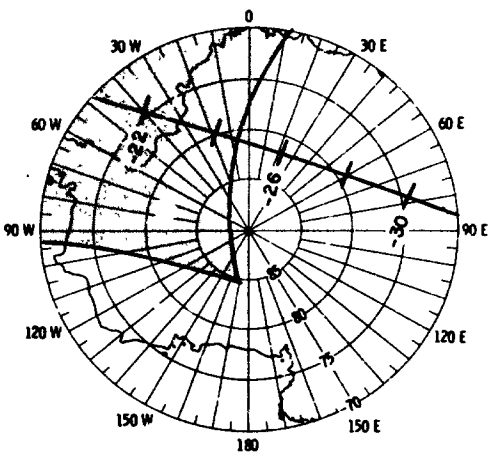
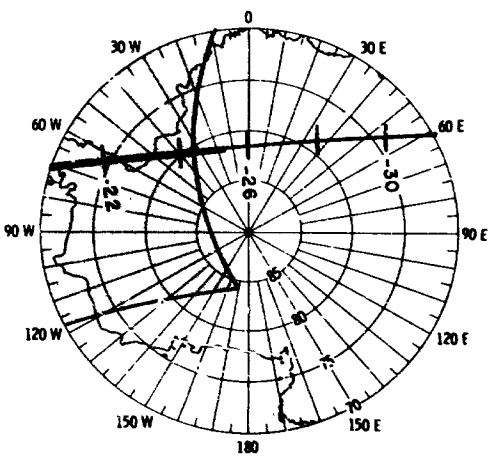


DATA ORBIT 313

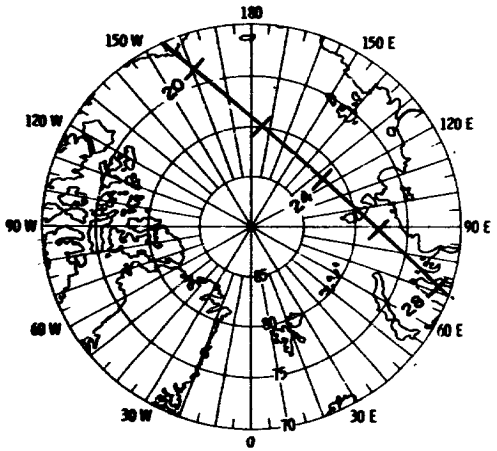


POLAR COVERAGE MAPS

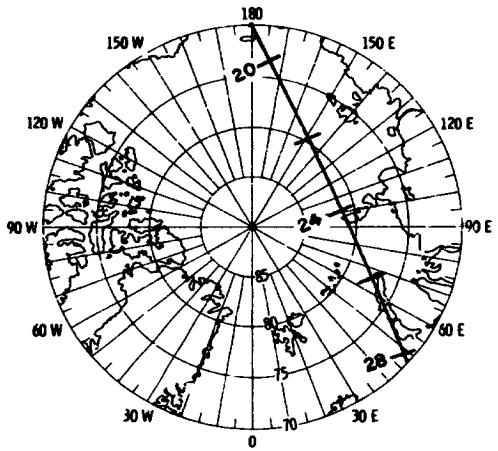
18 SEPTEMBER 1964

NORTH POLAR REGIONS

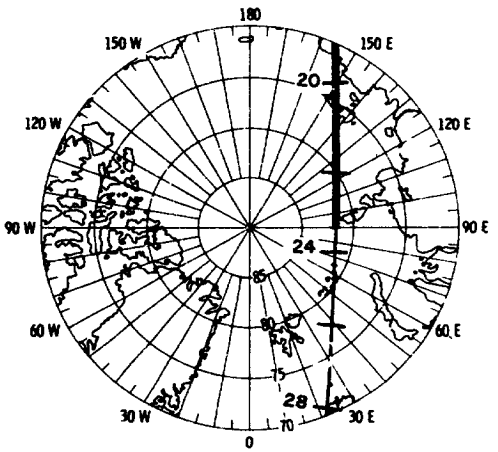
DATA ORBIT 315



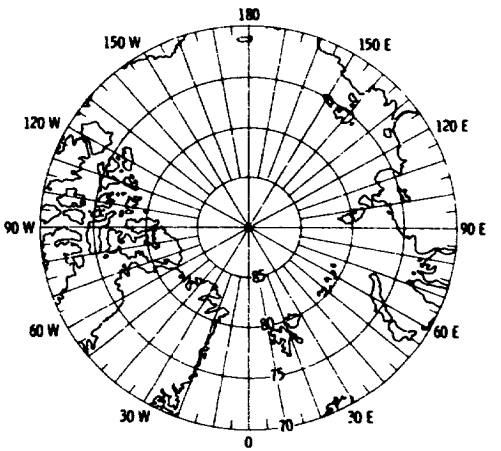
DATA ORBIT 316



DATA ORBIT 317

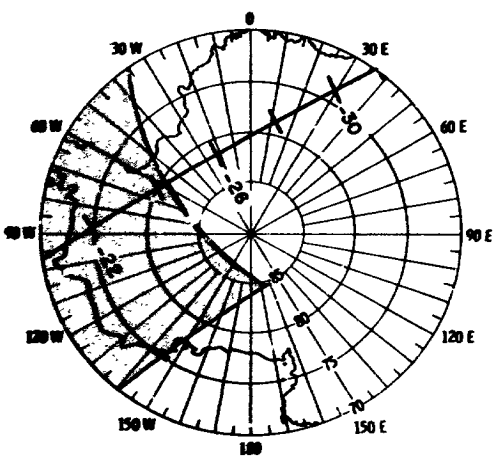


DATA ORBIT

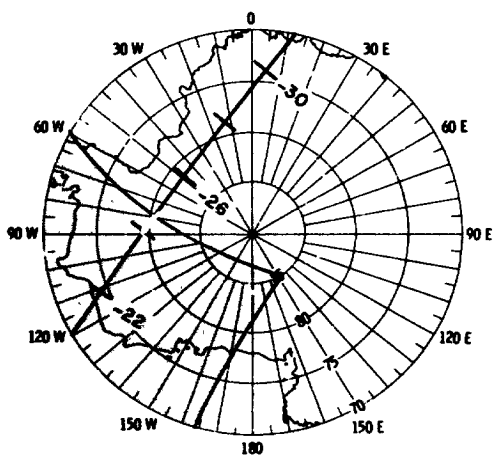


SOUTH POLAR REGIONS

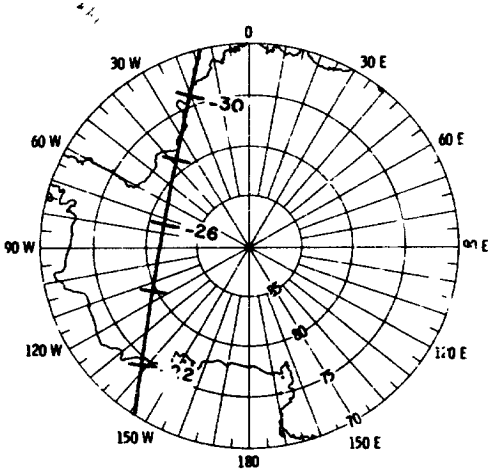
DATA ORBIT 314



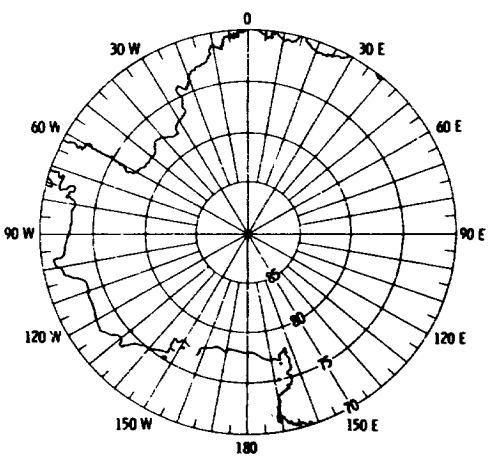
DATA ORBIT 315



DATA ORBIT 316



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 1

DATA ORBIT 303/304
DATE 18 September 1964
ASC. NODE 02 03 58 I
143.98 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-306-04589	1	02 25 25	+21.5	447	10	1		BANDS Some Frontal Streets Streaks
	1					2		
	1					3		
2-306-04589	2	02 23 54	+19.9	454	16	1		
	2					2		
	2					3		
3-306-04589	3	02 22 23	+18.4	463	22	1		
	3					2	Olenek River	
	3					3	Lena River	
4-306-04589	4	02 20 52	+16.9	475	28	1		
	4					2		
	4					3		
5-306-04589	5	02 19 21	+15.4	488	33	1		
	5					2		
	5					3		
6-306-04589	6	02 17 50	+13.9	503	39	1		
	6					2		
	6					3		
7-306-04589	7	02 16 19	+12.4	521	45	1		CUFM Streets
	7					2	Lake Khanka	
	7					3	U.S.S.R. Cst.	
8-306-04589	8	02 14 48	+10.8	539	51	1		MOSTLY CLOUD COVERED
	8					2		
	8					3		
9-306-04589	9	02 13 17	+ 9.3	559	56	1		CUFM Streaks
	9					2	JAPAN	
	9					3		
10-306-04589	10	02 11 46	+ 7.8	580	62	1		CUFM Some Cb
	10					2		
	10					3		
11-306-04589	11	02 10 15	+ 6.3	602	68	1		
	11					2		
	11					3		
12-306-04589	12	02 08 44	+ 4.8	625	73	1		STORM AREAS
	12					2		
	12					3		
13-306-04589	13	02 07 13	+ 3.3	650	79	1		
	13					2		
	13					3		
14-306-04589	14	02 05 42	+ 1.7	675	93	1		CUFM Some Cb Streaks Fibrous
	14					2		
	14					3		
15-306-04589	15	02 04 11	+ 0.2	700	86	1		
	15					2		
	15					3		
16-306-04589	16	02 02 40	- 1.3	725	82	1		
	16					2	AUSTRALIA & NEW GUINEA	
	16					3		
17-306-04589	17	02 01 09	- 2.8	750	78	1		
	17					2		
	17					3		
18-306-04589	18	01 59 38	- 4.3	774	73	1		
						2		
						3		
19-306-04589		01 58 07	- 5.9	799	67	1		BANDS Streets
	19					2		
	19					3		
20-306-04589	20	01 56 36	- 7.4	823	62	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 2

DATA ORBIT 304/305
DATE 18 September 1964
ASC. NODE 03 42 24 UT
119.38 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-305-04588	1	04 04 01	+21.6	446	9	1	U.S.S.R. Lakes Baykal & Hobsogol Angara & Yenisey Rivers Khangarulsk Mts.	BANDS
	1					2		
	1					3		
2-305-04588	2	04 02 30	+20.2	453	15	1		
	2					2		
	2					3		
3-305-04588	3	04 00 59	+18.6	462	21	1		
	3					2		
	3					3		
4-305-04588	4	03 59 28	+17.1	473	27	1		MOSTLY CLEAR Some Bands
	4					2		
	4					3		
5-305-04588	5	03 57 57	+15.6	486	33	1		
	5					2		
	5					3		
6-305-04588	6	03 56 26	+14.0	501	39	1		
	6					2		
	6					3		
7-305-04588	7	03 54 55	+12.5	517	45	1		MOSTLY CLOUD COVERED
	7					2		
	7					3		
8-305-04588	8	03 53 24	+11.0	536	50	1	CHINA Hwang & Wei Rivers Sanmen Reservoir	BANDS Some Frontal Large Open Area
	8					2		
	8					3		
9-305-04588	9	03 51 53	+ 9.5	555	56	1		
	9					2		
	9					3		
10-305-04588	10	03 50 22	+ 8.0	577	62	1		
	10					2		
	10					3		
11-305-04588	11	03 48 51	+ 6.5	599	68	1		
	11					2		
	11					3		
12-305-04588	12	03 47 20	+ 4.9	622	73	1		TROPICAL STORM TILDA Vortex Vicinity 20 N
	12					2		
	12					3		
13-305-04588	13	03 45 49	+ 3.4	646	78	1	PHILIPPINE IS. & INDONESIA	
	13					2		
	13					3		
14-305-04588	14	03 44 19	+ 1.9	671	83	1		CUFM & CIFM Some Cb
	14					2		
	14					3		
15-305-04588	15	03 42 47	+ 0.4	696	86	1		
	15					2		
	15					3		
16-305-04588	16	03 41 16	- 1.1	722	87	1		
	16					2		
	16					3		
17-305-04588	17	03 39 45	- 2.7	747	78	1		MOSTLY CLEAR
	17					2		
	17					3		
18-305-04588	18	03 38 14	- 4.2	772	73	1	AUSTRALIA Numerous Salt Lakes	
	18					2		
	18					3		
19-305-04588	19	03 36 43	- 5.7	796	66	1		
	19					2		
	19					3		
20-305-04588	20	03 35 12	- 7.2	819	65	1		
	20					2		
	20					3		
21-305-04588	21	03 33 41	- 8.7	841	57	1		
	21					2		
	21					3		
22-305-04588	22	03 32 10	-10.2	862	52	1		
	22					2		
	22					3		
23-305-04588	23	03 30 39	-11.9	882	47	1		FRONTAL BANDS Vortex Vicinity 40 S Eddies
	23					2		
	23					3		
24-305-04588	24	03 29 08	-13.3	900	42	1		
	24					2		
	24					3		
25-305-04588	25	03 27 37	-14.8	916	36	1		
	25					2		
	25					3		
26-305-04588	26	03 26 06	-16.3	929	31	1		
	26					2		
	26					3		
27-305-04588	27	03 24 35	-17.8	941	26	1		
	27					2		
	27					3		
28-306-04589	28	03 21 33	-20.9	957	16	1	ANTARCTICA Ross Ice Shelf Mt. Ranges	THIN CLOUDS
	28					2		
	28					3		
29-306-04589	29	03 20 02	-22.4	962	11	1		
	29					2		
	29					3		
30-306-04589	30	03 18 31	-23.9	963	6	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 3

DATA ORBIT 305/306
DATE 18 September 1964
ASC. NODE 05 20 50 UT
94.78 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-306-04589	1	05 32 13	+11.4	530	49	1	Lake Issyk	CUFM Some Bands Streets Streaks
	1					2		
	1					3		
2-306-04589	2	05 30 42	+ 9.9	550	54	1		
	2					2		
	2					3		
3-306-04589	3	05 29 11	+ 8.4	570	60	1	TIBET Numerous Lakes	
	3					2		
	3					3		
4-306-04589	4	05 27 40	+ 6.8	592	66	1		STORM AREA
	4					2		
	4					3		
5-306-04589	5	05 26 09	+ 5.3	615	71	1	E. India Cst.	CUFM
	5					2		
	5					3	Burma Cst.	
6-306-04589	6	05 24 38	+ 3.8	639	77	1		CUFM & CIFM Storm Area
	6					2		
	6					3		
7-306-04589	7	05 23 07	+ 2.3	664	82	1		
	7					2		
	7					3	Malay Pen.	
8-306-04589	8	05 21 36	+ 0.8	689	85	1		
	8					2		
	8					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 4

DATA ORBIT 306/307
DATE 18 September 1964
ASC. NODE 06 59 16 GT
70.17 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-308-60792	1	07 20 57	+21.7	446	9	1		
	1					2	Spitsbergen	BANDS Some Frontal Streets
	1					3		
2-308-60792	2	07 19 26	+20.2	452	14	1		
	2					2		
	2					3		
3-308-60792	3	07 17 55	+18.7	461	20	1		
	3					2		
	3					3		
4-308-60792	4	07 16 24	+17.1	470	26	1		
	4					2		
	4					3		
5-308-60792	5	07 14 53	+15.6	484	32	1		
	5					2		
	5					3		
6-308-60792	6	07 13 22	+14.1	499	38	1	Ural & Volga Rivers	
	6					2	Ural River	
	6					3		
7-308-60792	7	07 11 51	+12.6	515	44	1	Caspian Sea	
	7					2	Aral Sea	MOSTLY CLEAR
	7					3	Aral Sea	
8-308-60792	8	07 10 20	+11.1	533	50	1	Caspian Sea	
	8					2	Amu (Oxus) River	
	8					3	Amu (Oxus) River	
9-308-60792	9	07 08 49	+ 9.6	553	56	1		
	9					2	Murgab River	
	9					3	Amu (Oxus) River	
10-308-60792	10	07 07 18	+ 8.0	574	61	1	Strait of Hormuz	
	10					2	Helmand River	
	10					3	Indus River Valley	
11-309-60801	11	07 04 16	+ 3.0	619	72	1		
	11					2		CUFM & STFM Storm Areas Cifm Narrow Lines of Cu
	11					3		
12-309-60801	12	07 02 45	+ 3.5	643	78	1		
	12					2		
	12					3		
13-309-60801	13	07 01 14	+ 2.0	667	83	1		
	13					2		
	13					3		
14-309-60801	14	06 58 43	+ 0.4	692	86	1		
	14					2		MOSTLY CLEAR Some Ci Some Cu
	14					3		
15-309-60801	15	06 58 12	- 1.1	718	83	1		
	15					2		
	15					3		
16-309-60801	16	06 56 41	- 2.6	743	79	1		
	16					2		CUFM Bands Cellular Some Large Cells Fibrous
	16					3		
17-309-60801	17	06 55 10	- 4.1	768	73	1		
	17					2		
	17					3		
18-309-60801	18	06 53 39	- 5.6	792	68	1		
	18					2		
	18					3		
19-309-60801	19	06 52 08	- 7.1	816	63	1		
	19					2		
	19					3		
20-309-60801	20	06 50 37	- 8.7	838	58	1		
	20					2		
	20					3		
21-309-60801	21	06 49 06	-10.2	860	52	1		
	21					2		
	21					3		
22-309-60801	22	06 47 35	-11.7	880	47	1		
	22					2		FRONTAL BANDS Eddies
	22					3		
23-309-60801	23	06 46 04	-13.2	898	42	1		
	23					2		
	23					3		
24-309-60801	24	06 44 33	-14.7	914	36	1		
	24					2		
	24					3		
25-309-60801	25	06 43 02	-16.2	928	31	1		
	25					2		
	25					3		
26-310-60808	26	06 41 31	-17.8	940	26	1		
	26					2		MOSTLY CLOUD COVERED
	26					3		
27-310-60808	27	06 40 00	-19.3	949	21	1		
	27					2	ANTARCTICA	APPARENT CLOUDS
	27					3		
28-310-60808	28	06 38 29	-20.8	956	16	1		
	28					2		
	28					3		
29-310-60808	29	06 36 58	-22.3	961	11	1		
	29					2		
	29					3		
30-310-60808	30	06 35 27	-23.8	963	6	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 5

DATA ORBIT 307/308
DATE 18 September 1964
ASC. NODE 08 37 42 UT
45.57 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-308-60792	1	08 37 58	+ 0.3	694	86	1		
	1					2	AFRICA	CUFM
	1					3	E. Cst. Area	Some Cb
2-308-60792	2	08 36 27	- 1.3	719	83	1		Streaks
	2					2		Fibrous
	2					3		
3-308-60792	3	08 34 56	- 2.8	744	78	1		
	3					2		
	3					3		
4-308-60792	4	08 33 25	- 4.3	769	73	1		
	4					2	MADAGASCAR	
	4					3		
5-308-60792	5	08 31 54	- 5.8	794	68	1		
	5					2		
	5					3		
6-308-60792	6	08 30 23	- 7.3	817	62	1		
	6					2		
	6					3		
7-308-60792	7	08 28 52	- 8.8	840	57	1		BANDS
	7					2		Some Frontal
	7					3		Eddies
8-308-60792	8	08 27 21	-10.4	862	52	1		Streets
	8					2		
	8					3		
9-308-60792	9	08 25 50	-11.9	881	47	1		
	9					2		
	9					3		
10-308-60792	10	08 24 19	-13.4	899	41	1		
	10					2		
	10					3		
11-308-60792	11	08 22 48	-14.9	915	36	1		
	11					2		
	11					3		
12-308-60792	12	08 21 17	-16.4	928	31	1		
	12					2		
	12					3		
13-308-60792	13	08 19 46	-17.9	941	26	1		
	13					2		
	13					3		
14-308-60792	14	08 18 15	-19.5	950	21	1		APPARENT CLOUDS
	14					2		
	14					3		
15-308-60792	15	08 16 44	-21.0	957	16	1		
	15					2	ANTARCTICA	
	15					3		
16-308-60792	16	08 15 13	-22.5	961	11	1		
	16					2		
	16					3		
17-308-60792	17	08 13 42	-24.0	964	5	1		
	17					2		
	17					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 6

DATA ORBIT 308/309
DATE 18 September 1964
ASC. NODE 10 16 07 UT
20.97 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-309-60801	1	10 38 33	+22.4	443	5	1		
	1					2	GREENLAND	MOSTLY CLEAR
	1					3	Fiords	
2-309-60801	2	10 37 02	+20.9	448	11	1	Glaciers	
	2					2	Ice Cap	
	2					3		
3-309-60801	3	10 35 31	+19.4	456	17	1		
	3					2		BANDS
	3					3		Some Frontal
4-309-60801	4	10 34 00	+17.9	465	23	1		Vortex Vicinity 58 N
	4					2		Eddies
	4					3		
5-309-60801	5	10 32 29	+16.4	476	29	1		
	5					2		
	5					3		
6-309-60801	6	10 30 58	+14.9	490	35	1	England	
	6					2		
	6					3	Denmark	
7-309-60801	7	10 29 27	+13.3	506	41	1		
	7					2		CUFM
	7					3		
8-309-60801	8	10 27 56	+11.8	523	47	1	France Cst.	
	8					2	Corsica & Gulf of Genoa	
	8					3	N. Adriatic Cst.	
9-309-60801	9	10 26 25	+10.3	541	52	1	Algeria Cst.	
	9					2	Tunisia & Sicily	MOSTLY CLEAR
	9					3	Sicily & Italy	
10-309-60801	10	10 24 54	+ 8.8	561	58	1		
	10					2	AFRICA	
	10					3	Sahara	
11-309-60801	11	10 23 23	+ 7.3	583	64	1	Lakes Chad, Tanganyika, Nyasa & Kariba	
	11					2	Congo & Zambezi Rivers	
	11					3	Etosha Pan	
12-309-60801	12	10 21 52	+ 5.8	605	70	1	Okavango Swamps	
	12					2		
	12					3		
13-309-60801	13	10 20 21	+ 4.2	629	75	1		
	13					2		
	13					3		
14-309-60801	14	10 18 50	+ 2.7	654	80	1		
	14					2		CUFM
	14					3		Some Cb
15-309-60801	15	10 17 19	+ 1.2	679	85	1		Streets
	15					2		Streaks
	15					3		
16-309-60801	16	10 15 48	- 0.3	704	85	1		
	16					2		
	16					3		
17-309-60801	17	10 14 17	- 1.8	729	81	1		
	17					2		
	17					3		
18-309-60801	18	10 12 46	- 3.4	754	76	1		
	18					2		MOSTLY CLEAR
	18					3		Some Cu
19-309-60801	19	10 11 15	- 4.9	779	71	1		
	19					2		
	19					3		
20-309-60801	20	10 09 44	- 6.4	803	65	1		
	20					2		
	20					3		
21-309-60801	21	10 08 13	- 7.9	826	59	1		
	21					2		
	21					3		
22-309-60801	22	10 06 42	- 9.4	847	54	1		
	22					2		BANDS
	22					3		Some Frontal
23-309-60801	23	10 05 11	-10.9	869	49	1		Vortex Vicinity 58 S
	23					2		Eddies
	23					3		Streaks
24-309-60801	24	10 03 40	-12.5	888	44	1		
	24					2		
	24					3		
25-309-60801	25	10 02 09	-14.0	905	39	1		
	25					2		
	25					3		
26-309-60801	26	10 00 38	-15.5	920	34	1		
	26					2		
	26					3		
27-309-60801	27	09 59 07	-17.0	933	29	1		
	27					2		
	27					3		
28-309-60801	28	09 57 36	-18.5	944	24	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 7

DATA ORBIT 309/310
DATE 18 September 1964
ASC. NODE 11 54 33 UT
3.63 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-310-60808	1*	12 16 22	+21.8	444	8	1		
	1					2	Greenland	Mostly Clear
	1*					3		
2-310-60808	2	12 14 51	+20.3	451	14	1		
	2					2	GREENLAND	MOSTLY CLEAR
	2					3		
3-310-60808	3	12 13 20	+18.8	459	20	1		
	3					2		
	3					3		
4-310-60808	4	12 08 47	+14.2	495	38	1		
	4					2		CUFM Bands Streaks
	4					3		
5-310-60808	5	12 07 16	+12.7	511	43	1		
	5					2		
	5					3		
6-310-60808	6	12 05 45	+11.2	529	49	1		
	6					2		
	6					3	Portugal	
7-310-60808	7	12 02 43	+ 8.2	569	60	1		
	7					2	AFRICA	CUFM
	7					3		
8-310-60808	8	12 01 12	+ 6.7	591	66	1		
	8					2		MOSTLY CLEAR
	8					3		
9-310-60808	9	11 59 41	+ 5.1	614	72	1		
	9					2		
	9					3		
10-310-60808	10	11 58 10	+ 3.6	638	78	1		
	10					2		CUFM Streaks Fibrous
	10					3		
11-310-60808	11	11 56 39	+ 2.1	662	83	1		
	11					2		
	11					3		
12-310-60808	12	11 55 08	+ 0.6	687	86	1		
	12					2		
	12					3		
13-310-60808	13	11 53 37	- 0.9	712	84	1		
	13					2		CUFM Large Cellular Field
	13					3		
14-310-60808	14	11 52 06	- 2.5	738	79	1		
	14					2		
	14					3		
15-310-60808	15	11 50 35	- 4.0	763	74	1		
	15					2		
	15					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 9

DATA ORBIT 311/312
DATE 18 September 1964
ASC. NODE 15 11 25 GT
52.84 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-313-05094	1	15 32 53	+21.5	446	9	1	Arctic Ice	CUFM & STFM
	1					2	Arctic Ice	
	1					3	Queen Elizabeth Is.	
2-313-05094	2	15 31 22	+20.0	452	15	1		
	2					2		
	2					3		
3-313-05094	3	15 29 51	+18.4	460	21	1		
	3					2		
	3					3	Baffin I.	
4-313-05094	4	15 28 20	+16.9	471	27	1		BANDS Some Frontal Cu Streets
	4					2		
	4					3		
5-313-05094	5	15 26 49	+15.4	483	33	1		
	5					2		
	5					3		
6-313-05094	6	15 25 18	+13.9	497	39	1		
	6					2		
	6					3		
7-313-05094	7	15 23 47	+12.4	514	45	1		
	7					2		
	7					3		
8-313-05094	8	15 22 16	+10.9	532	51	1		CUFM Cb Bands Streaks
	8					2		
	8					3		
9-313-05094	9	15 20 45	+ 9.3	551	56	1		
	9					2		
	9					3		
10-313-05094	10	15 19 14	+ 7.8	572	62	1		HURRICANE GLADYS
	10					2		
	10					3		
11-313-05094	11	15 17 43	+ 6.3	594	68	1		
	11					2		
	11					3		
12-313-05094	12	15 16 12	+ 4.8	618	73	1		CUFM
	12					2		
	12					3		
13-313-05094	13	15 14 41	+ 3.3	642	79	1		
	13					2	SOUTH AMERICA	
	13					3		
14-313-05094	14	15 13 10	+ 1.8	666	84	1		CUFM Numerous Small Cu Streets Streaks
	14					2		
	14					3		
15-313-05094	15	15 11 39	+ 0.2	691	86	1		
	15					2		
	15					3		
16-313-05094	16	15 10 08	- 1.3	717	83	1		
	16					2		
	16					3		
17-313-05094	17	15 08 37	- 2.8	742	78	1		
	17					2		
	17					3		
18-313-05094	18	15 07 06	- 4.3	767	73	1		
	18					2		
	18					3		
19-313-05094	19	15 05 35	- 5.8	792	68	1		
	19					2		
	19					3		
20-313-05094	20	15 04 04	- 7.4	815	62	1		BANDS Eddies
	20					2		
	20					3		
21-313-05094	21	15 02 33	- 8.9	838	57	1		
	21					2		
	21					3		
22-313-05094	22	15 01 02	-10.4	859	52	1		
	22					2		
	22					3		
23-313-05094	23	14 59 31	-11.9	879	47	1		
	23					2		
	23					3		
24-313-05094	24	14 58 00	-13.4	897	41	1		
	24					2		
	24					3		
25-313-05094	25	14 56 29	-14.9	913	36	1		
	25					2		
	25					3		
26-313-05094	26	14 54 58	-16.5	927	31	1		
	26					2		
	26					3		
27-315-60823	27	14 53 27	-18.0	939	26	1		MOSTLY CLOUD COVERED
	27					2		
	27					3		
28-315-60823	28	14 51 56	-19.5	949	20	1		
	28					2		
	28					3		
29-315-60823	29	14 50 25	-21.0	956	15	1		
	29					2	ANTARCTICA	
	29					3		
30-315-60823	30	14 48 54	-22.5	961	10	1		THIN CLOUDS
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 10

DATA ORBIT 312/313
DATE 18 September 1964
ASC. NODE 16 49 51 UT
77.44 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-315-60823	1	17 09 49	+20.0	451	15	1		MOSTLY CLOUD COVERED
	1					2		
	1					3		
2-315-60823	2	17 08 18	+18.5	459	21	1		FRONTAL BANDS
	2					2		
	2					3		
3-315-60823	3	17 06 47	+16.9	470	27	1		
	3					2		
	3					3		
4-315-60823	4	17 05 16	+15.4	483	33	1		
	4					2		
	4					3		
5-315-60823	5	17 03 45	+13.9	497	39	1		
	5					2		
	5					3		
6-313-05094	6	16 54 40	+ 4.8	616	73	1	Honduras	CUFM Cb
	6					2		
	6					3	Cuba & Jamaica	
7-313-05094	7	16 53 09	+ 3.3	640	78	1	Lake Nicaragua	ITC
	7					2		
	7					3		
8-313-05094	8	16 51 38	+ 1.8	664	83	1		
	8					2	SOUTH AMERICA	
	8					3	Lake Maracaibo	
9-313-05094	9	16 50 07	+ 0.3	690	86	1	Andes Mts., Snow Covered	CUFM Large Cellular Field over Water
	9					2	Salt Flats	
	9					3	Rio De La Plata	
10-313-05094	10	16 48 36	- 1.3	715	83	1	Valdes Pen.	Cb
	10					2	Gulf of San Jorge	Fibrous
	10					3	Falkland Is.	
11-313-05094	11	16 47 05	- 2.8	710	78	1		
	11					2		
	11					3		
12-313-05094	12	16 45 34	- 4.3	765	73	1		
	12					2		
	12					3		
13-313-05094	13	16 44 03	- 5.8	791	68	1		
	13					2		
	13					3		
14-313-05094	14	16 41 01	- 8.8	837	57	1		BANDS Large Open Areas
	14					2		
	14					3		
15-313-05094	15	16 39 30	-10.4	858	52	1		
	15					2		
	15					3		
16-313-05094	16	16 37 59	-11.9	878	47	1		
	16					2		
	16					3		
17-313-05094	17	16 36 28	-13.4	896	42	1		
	17					2		
	17					3		
18-313-05094	18	16 34 57	-14.9	912	36	1		
	18					2		
	18					3		
19-313-05094	19	16 33 26	-16.4	926	31	1		MOSTLY CLOUD COVERED Bands
	19					2		
	19					3		
20-313-05094	20	16 31 55	-17.9	939	26	1		
	20					2		
	20					3		
21-313-05094	21	16 30 24	-19.5	948	20	1		
	21					2	ANTARCTICA	
	21					3	Weddell Sea	
22-313-05094	22	16 28 53	-21.0	956	15	1		
	22					2		
	22					3		
23-313-05094	23	16 27 22	-22.5	960	10	1		THIN CLOUDS
	23					2		
	23					3		
24-313-05094	24	16 25 51	-24.0	963	5	1		
	24					2		
	24					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 11

DATA ORBIT 313/314
DATE 18 September 1964
ASC. NODE 18 20 17 UT
102.05 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-314-60817	1*	18 43 49	+15.5	481	32	1		
	1					2		Mostly Clear
	1*					3		
2-314-60817	2	18 42 18	+14.0	495	38	1		
	2					2	W. CANADA, U.S. & MEXICO	
	2					3	Rocky Mts., Snow Covered	CUFM
3-314-60817	3	18 40 47	+12.5	511	44	1	Columbia, Snake & Colorado Rivers	Some Bands
	3					2	Great Salt Lake	Streets
	3					3	Pyramid Lake	Streaks
4-314-60817	4	18 39 16	+11.0	529	50	1	Salton Sea	
	4					2	Baja California	
	4					3		
5-314-60817	5	18 37 45	+ 9.5	549	56	1		
	5					2		
	5					3		
6-314-60817	6	18 36 14	+ 8.0	569	61	1		MOSTLY CLEAR
	6					2		Some Cu
	6					3		
7-314-60817	7	18 34 43	+ 6.4	591	67	1		
	7					2		CUFM
	7					3		Some Cb
8-314-60817	8	18 33 12	+ 4.9	614	72	1		
	8					2		
	8					3		
9-314-60817	9	18 31 41	+ 3.4	638	78	1		
	9					2		ITC
	9					3		
10-314-60817	10	18 30 10	+ 1.9	662	83	1		
	10					2		
	10					3		
11-314-60817	11	18 28 39	+ 0.4	687	86	1		
	11					2		CUFM
	11					3		Large Cellular Field
12-314-60817	12	18 27 08	- 1.2	713	84	1		Actiniform
	12					2		
	12					3		
13-314-60817	13	18 25 37	- 2.7	738	79	1		
	13					2		
	13					3		
14-314-60817	14	18 24 06	- 4.2	763	73	1		
	14					2		
	14					3		
15-314-60817	15	18 22 35	- 5.7	788	68	1		
	15					2		
	15					3		
16-314-60817	16	18 21 04	- 7.2	812	63	1		
	16					2		
	16					3		
17-314-60817	17	18 19 33	- 8.7	835	57	1		
	17					2		FRONTAL BANDS
	17					3		Eddies
18-314-60817	18	18 18 02	-10.3	856	52	1		Streaks
	18					2		
	18					3		
19-314-60817	19	18 16 31	-11.8	876	47	1		
	19					2		
	19					3		
20-314-60817	20	18 15 00	-13.3	894	42	1		
	20					2	SOUTH AMERICA	
	20					3	S. Area	
21-314-60817	21	18 13 29	-14.8	910	37	1		
	21					2		
	21					3		
22-314-60817	22	18 11 58	-16.3	925	31	1		
	22					2		
	22					3		
23-314-60817	23	18 10 27	-17.8	937	26	1		
	23					2		
	23					3		
24-314-60817	24	18 08 56	-19.4	947	21	1		
	24					2	ANTARCTICA	APPARENT CLOUDS
	24					3	Palmer Pen.	
25-314-60817	25	18 07 25	-20.9	955	16	1	Weddell Sea	
	25					2		
	25					3		
26-314-60817	26	18 05 54	-22.4	961	11	1		
	26					2		
	26					3		
27-314-60817	27	18 04 23	-23.9	963	5	1		
	27					2		
	27					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 12

DATA ORBIT 314/315
DATE 18 September 1964
ASC. NODE 20 06 42 UT
126.65 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (L T)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-315-60823	1	20 20 46	+14.1	494	38	1		
	1					2		L..DS
	1					3		
2-315-60823	2	20 19 15	+12.5	510	44	1		
	2					2		
	2					3		
3-315-60823	3	20 17 44	+11.0	527	50	1		
	3					2		
	3					3		
4-315-60823	4	20 16 13	+ 9.5	547	56	1		
	4					2		CUFM
	4					3		Bands
5-315-60823	5	20 14 42	+ 8.0	568	61	1		Cellular
	5					2		
	5					3		
6-315-60823	6	20 13 11	+ 6.5	589	67	1		
	6					2		
	6					3		
7-315-60823	7	20 11 40	+ 5.0	612	72	1		
	7					2		
	7					3		
8-315-60823	8	20 10 09	+ 3.4	636	77	1		
	8					2		ITC
	8					3		
9-315-60823	9	20 08 36	+ 1.9	661	82	1		
	9					2		
	9					3		
10-315-60823	10	20 07 07	+ 0.4	686	86	1		
	10					2		CUFM
	10					3		Streets
11-315-60823	11	20 05 36	- 1.1	711	83	1		Fibrous
	11					2		Actiniform
	11					3		
12-315-60823	12	20 04 05	- 2.6	736	79	1		
	12					2		
	12					3		
13-315-60823	13	20 02 34	- 4.2	761	74	1		
	13					2		
	13					3		
14-315-60823	14	20 01 03	- 5.7	786	68	1		
	14					2		
	14					3		
15-315-60823	15	19 59 32	- 7.2	810	63	1		
	15					2		
	15					3		FRONTAL BANDS
16-315-60823	16	19 58 01	- 8.7	833	58	1		Eddies
	16					2		Marked Shear
	16					3		Streaks
17-315-60823	17	19 56 30	-10.2	855	53	1		
	17					2		
	17					3		
18-315-60823	18	19 54 59	-11.7	875	47	1		
	18					2		
	18					3		
19-315-60823	19	19 53 28	-13.3	893	42	1		
	19					2		
	19					3		
20-315-60823	20	19 51 57	-14.8	910	37	1		
	20					2		
	20					3		
21-315-60823	21	19 50 26	-16.3	924	32	1		
	21					2		
	21					3		
22-315-60823	22	19 48 55	-17.8	937	27	1		
	22					2		
	22					3		
23-315-60823	23	19 47 24	-19.3	948	21	1		
	23					2		
	23					3		
24-315-60823	24	19 45 53	-20.8	955	16	1		
	24					2	ANTARCTICA	APPARENT CLOUDS
	24					3		
25-315-60823	25	19 44 22	-22.4	960	11	1		
	25					2		
	25					3		
26-315-60823	26	19 42 51	-23.9	963	6	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 18 Track 13

DATA ORBIT 315/316
DATE 18 September 1964
ASC. NODE 21 45 08 UT
151.25 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-316-60829	1	21 59 12	+14.1	494	38	1		CUFM Eddies
	1					2		
	1					3		
2-316-60829	2	21 57 41	+12.6	509	44	1		
	2					2		
	2					3		
3-316-60829	3	21 56 10	+11.0	527	50	1		FRONTAL BAND
	3					2		
	3					3		
4-316-60829	4	21 54 39	+ 9.5	546	55	1		
	4					2		
	4					3		
5-316-60829	5	21 53 08	+ 8.0	567	61	1		STORM AREA
	5					2		
	5					3		
6-316-60829	6	21 51 37	+ 6.5	589	67	1		CUFM Some Cb Eddies Streaks Fibrous Small Lines of Cu Large Open Areas
	6					2		
	6					3		
7-316-60829	7	21 50 06	+ 5.0	612	72	1		
	7					2		
	7					3		
8-316-60829	8	21 48 35	+ 3.5	635	78	1		
	8					2		
	8					3		
9-316-60829	9	21 47 04	+ 1.9	660	83	1		
	9					2		
	9					3		
10-316-60829	10	21 45 33	+ 0.4	685	86	1		
	10					2		
	10					3		
11-316-60829	11	21 44 02	- 1.1	711	84	1		
	11					2		
	11					3		
12-316-60829	12	21 42 31	- 2.6	736	79	1		
	12					2		
	12					3		
13-316-60829	13	21 41 00	- 4.1	761	74	1		FRONTAL BANDS Vortex Vicinity 28 S Eddies Cellular Cu Streaks Fibrous
	13					2		
	13					3		
14-316-60829	14	21 39 29	- 5.7	786	68	1		
	14					2		
	14					3		
15-316-60829	15	21 37 58	- 7.2	810	63	1		
	15					2		
	15					3		
16-316-60829	16	21 36 27	- 8.7	832	58	1		
	16					2		
	16					3		
17-316-60829	17	21 34 56	-10.2	854	52	1		
	17					2		
	17					3		
18-316-60829	18	21 33 25	-11.7	874	47	1		
	18					2		
	18					3		
19-316-60829	19	21 31 54	-13.2	893	42	1		
	19					2		
	19					3		
20-316-60829	20	21 30 23	-14.8	910	37	1		
	20					2		
	20					3		
21-316-60829	21	21 28 52	-16.3	925	31	1		
	21					2		
	21					3		
22-316-60829	22	21 27 21	-17.8	937	26	1		
	22					2		
	22					3		
23-316-60829	23	21 25 50	-19.3	947	21	1		
	23					2		
	23					3		
24-316-60829	24	21 24 19	-20.8	955	16	1		
	24					2		
	24					3		
25-316-60829	25	21 22 48	-22.3	960	11	1		
	25					2	ANTARCTICA	THIN CLOUDS
	25					3		
26-316-60829	26	21 21 17	-23.9	963	6	1		
	26					2		
	26					3		

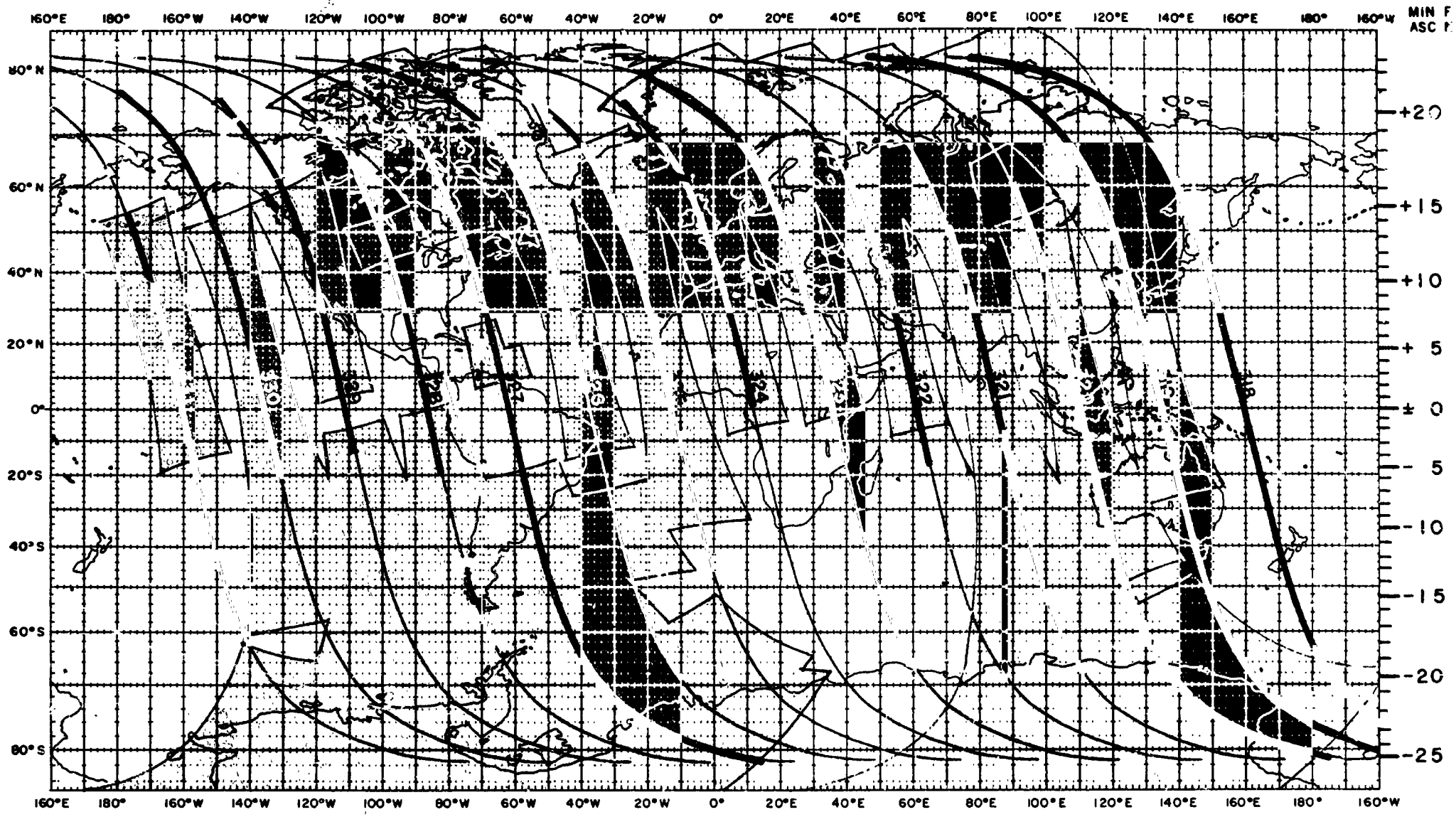
NIMBUS I DOCUMENTATION

19 September 1964

Orbits 317 through 331

AVCS DAILY COVERAGE MAP

19 SEPTEMBER 1964
ORBITS 317 TO 331

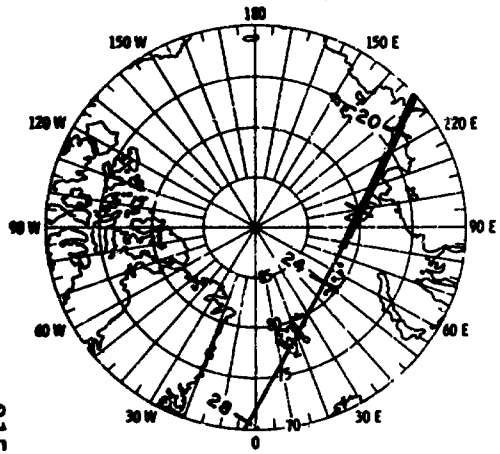


POLAR COVERAGE MAPS

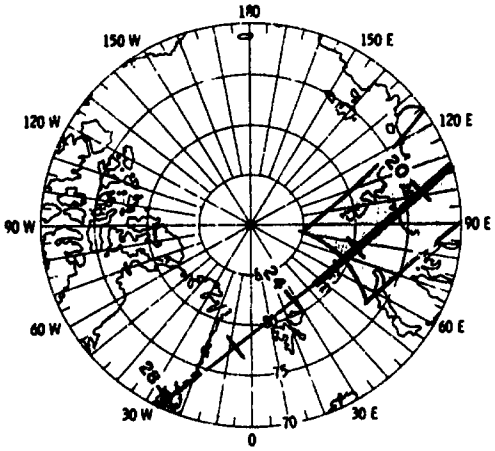
19 SEPTEMBER 1964

NORTH POLAR REGIONS

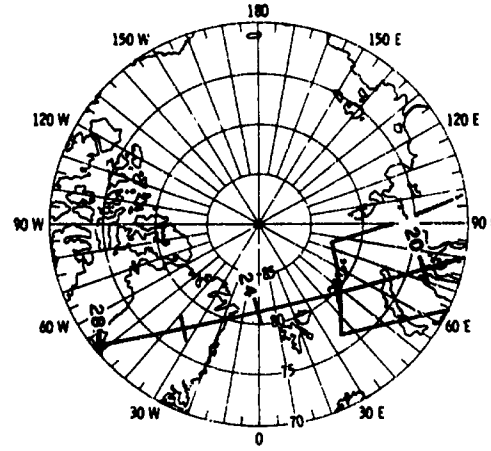
DATA ORBIT 318



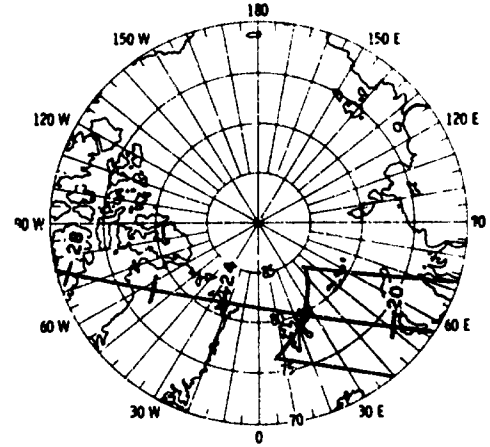
DATA ORBIT 319



DATA ORBIT 320

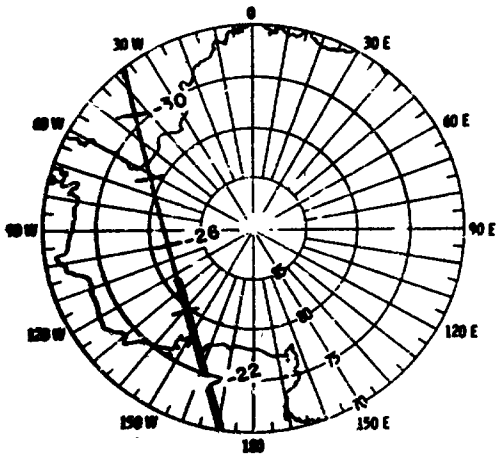


DATA ORBIT 321

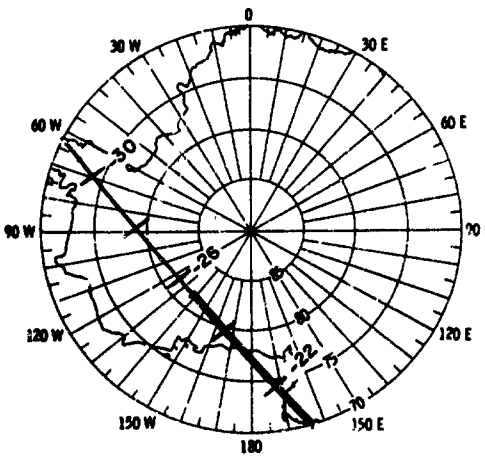


SOUTH POLAR REGIONS

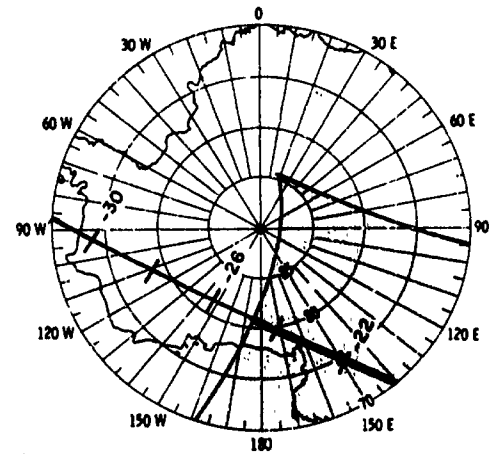
DATA ORBIT 317



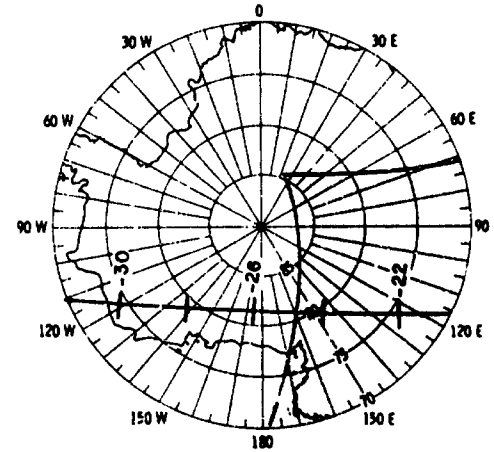
DATA ORBIT 318



DATA ORBIT 319



DATA ORBIT 320

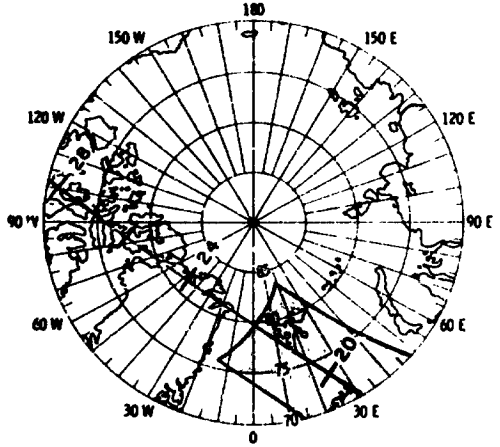


POLAR COVERAGE MAPS

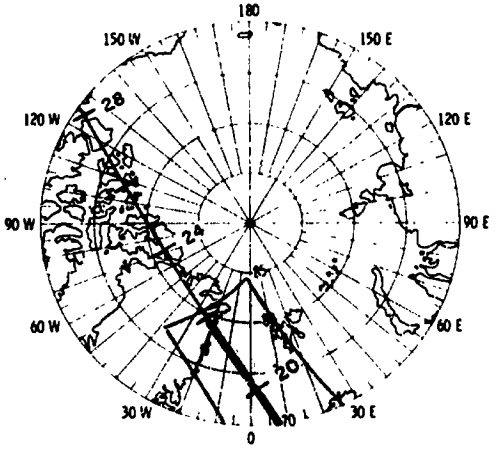
19 SEPTEMBER 1964

NORTH POLAR REGIONS

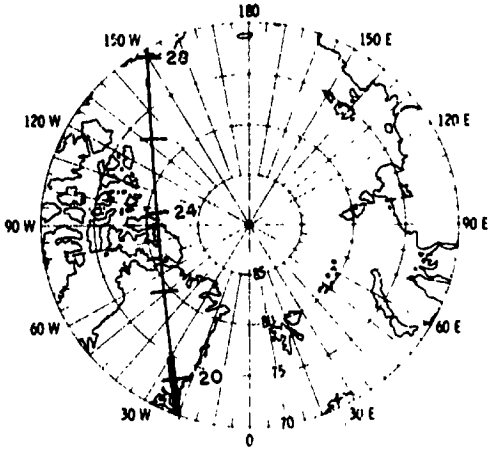
DATA ORBIT 322



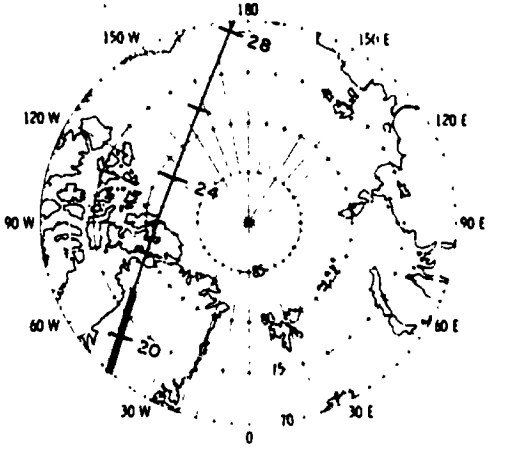
DATA ORBIT 323



DATA ORBIT 324

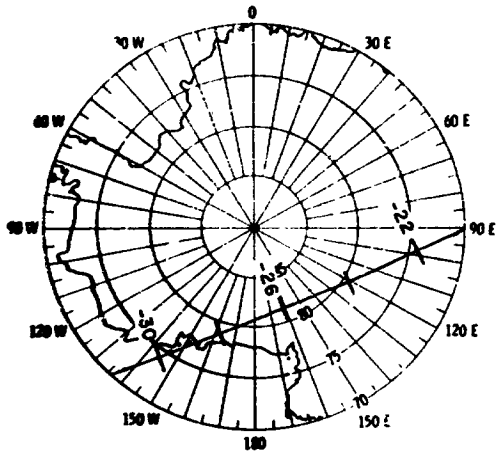


DATA ORBIT 325

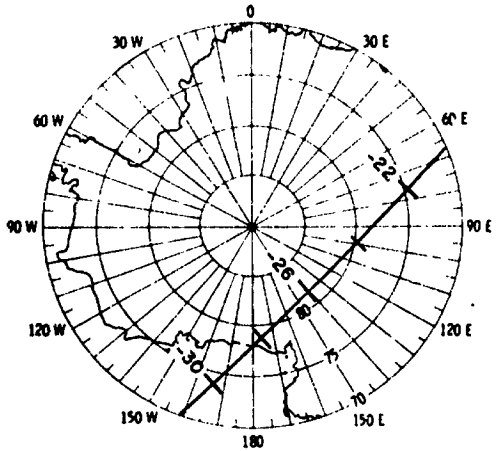


SOUTH POLAR REGIONS

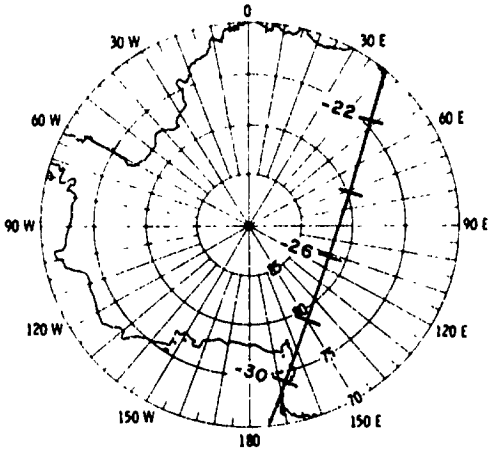
DATA ORBIT 321



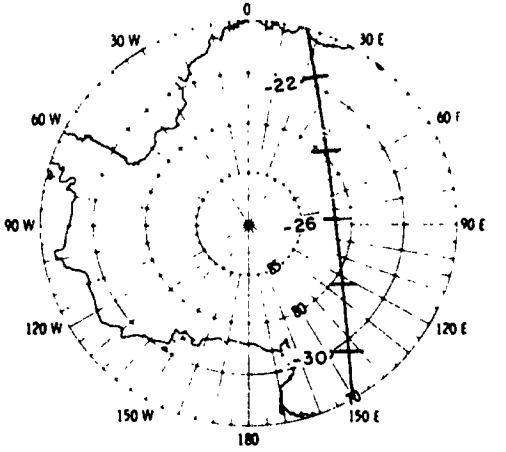
DATA ORBIT 322



DATA ORBIT 323



DATA ORBIT 324

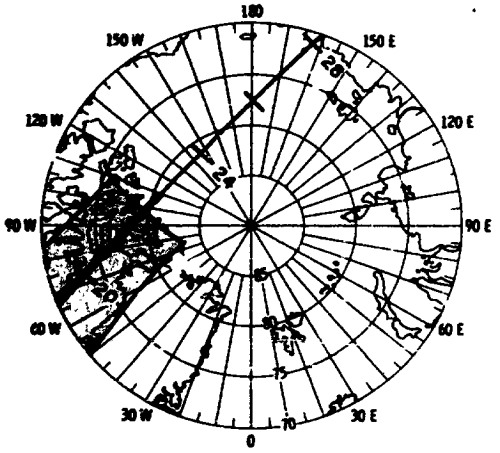


POLAR COVERAGE MAPS

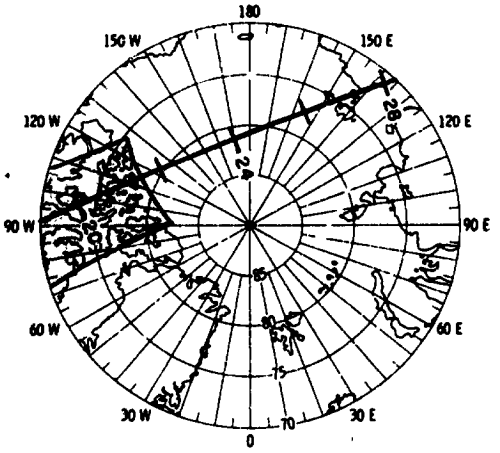
19 SEPTEMBER 1964

NORTH POLAR REGIONS

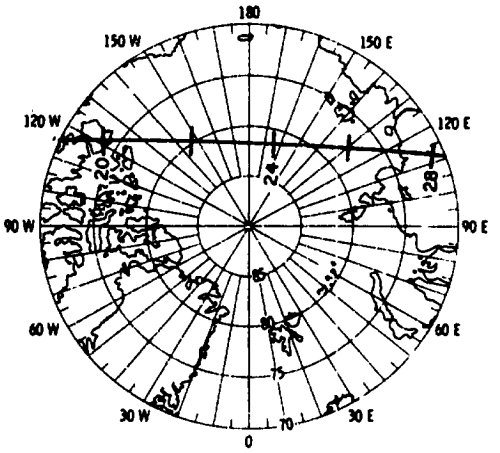
DATA ORBIT 326



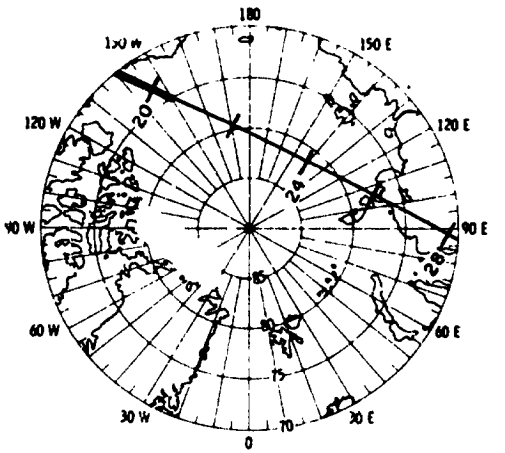
DATA ORBIT 327



DATA ORBIT 328

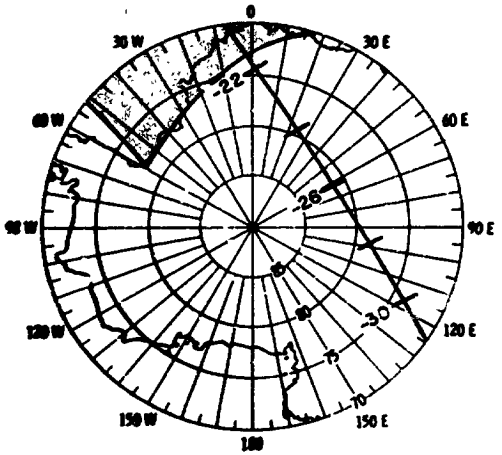


DATA ORBIT 329

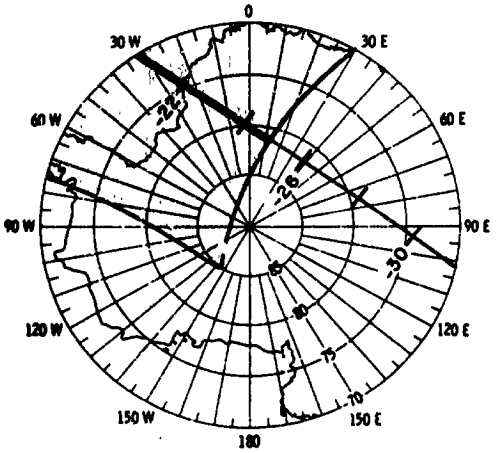


SOUTH POLAR REGIONS

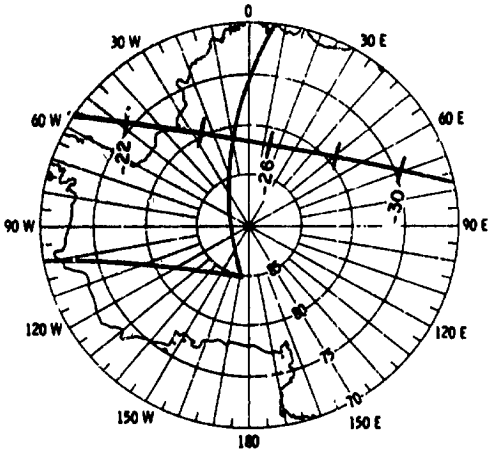
DATA ORBIT 325



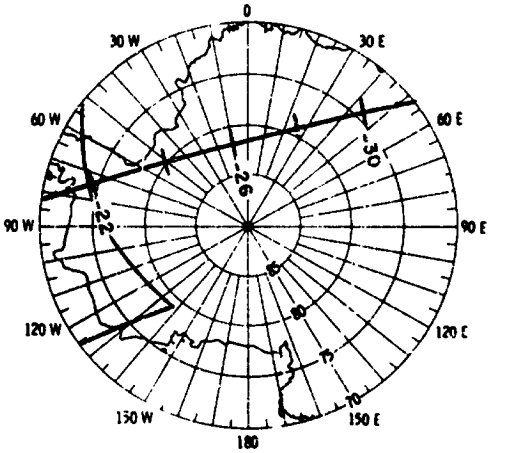
DATA ORBIT 326



DATA ORBIT 327



DATA ORBIT 328

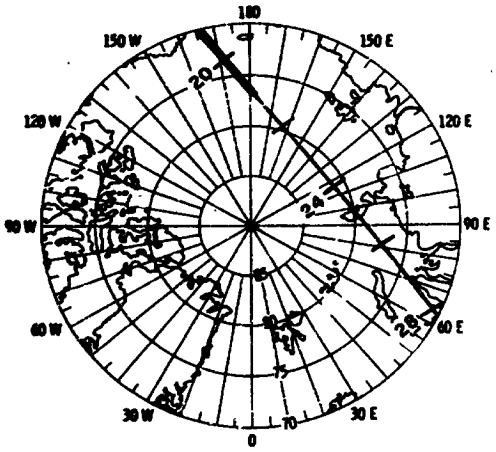


POLAR COVERAGE MAPS

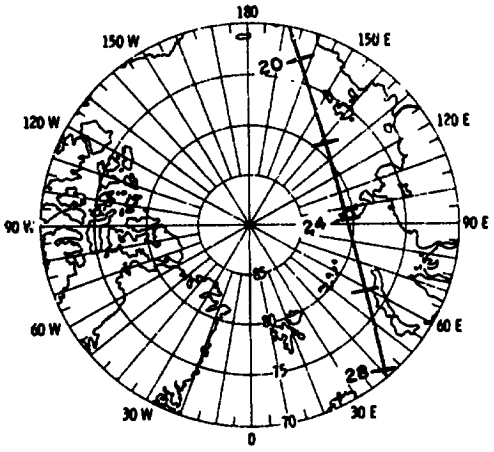
19 SEPTEMBER 1964

NORTH POLAR REGIONS

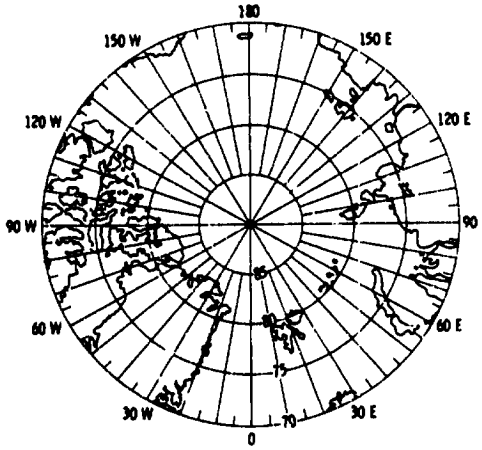
DATA ORBIT 330



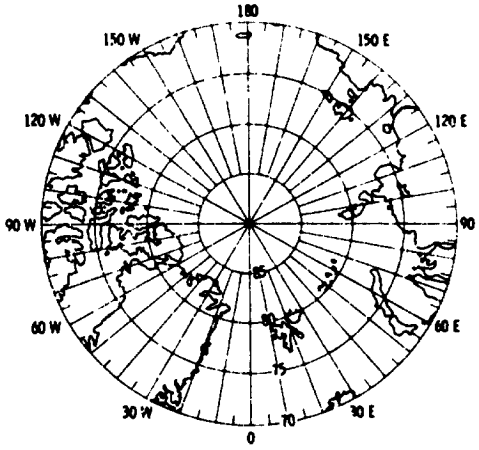
DATA ORBIT 331



DATA ORBIT

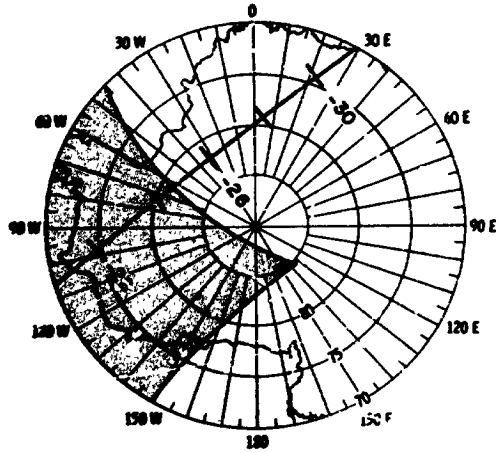


DATA ORBIT

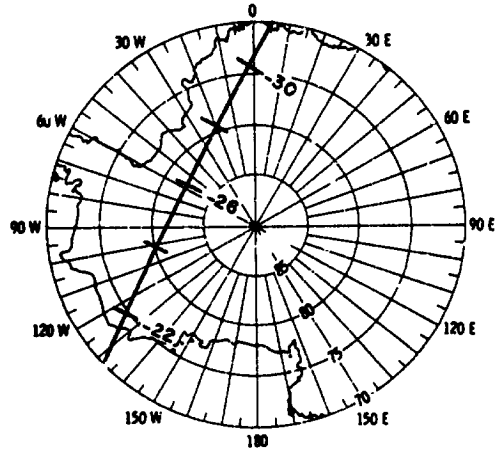


SOUTH POLAR REGIONS

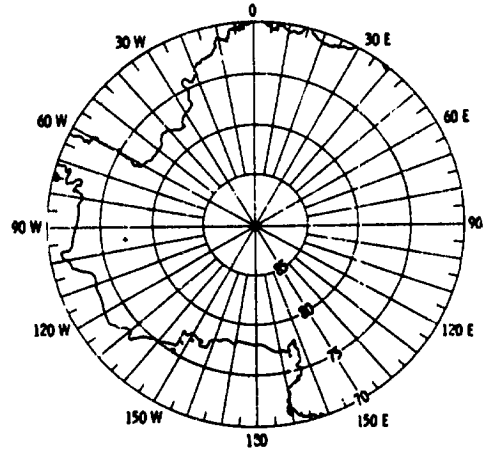
DATA ORBIT 329



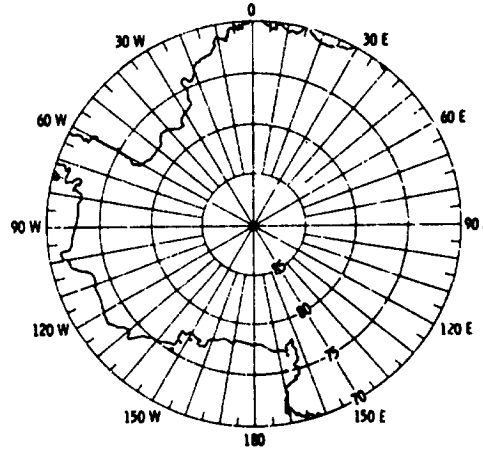
DATA ORBIT 330



DATA ORBIT



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 2

DATA ORBIT 318/319
DATE 19 September 1964
ASC. NODE 02 40 26 UT
134.94 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-320-04663	1	03 02 25	+22.0	442	6	1		
	1					2	Arctic Ice	BANDS
	1					3	Arctic Ice	Some Frontal
2-320-04663	2	03 00 54	+20.5	447	13	1		Streaks
	2					2		Streets
	2					3	Taymyr Pen.	
3-320-04663	3	02 59 23	+19.0	454	19	1	Lake Yessey	
	3					2		
	3					3		
4-320-04663	4	02 57 52	+17.4	464	25	1		
	4					2		
	4					3		
5-320-04663	5	02 56 21	+15.9	475	31	1		
	5					2		
	5					3	Lena River	
6-320-04663	6	02 54 50	+14.4	488	37	1		CUFM
	6					2		Streets
	6					3		Streaks
7-321-04643	7	02 53 19	+12.9	503	42	1	Lake Buyr	
	7					2		BANDS
	7					3		Cu Streets
8-321-04643	8	02 51 48	+11.4	520	48	1		Streaks
	8					2		
	8					3		
9-321-04643	9	02 50 17	+ 9.9	539	54	1		
	9					2		FRONTAL BANDS
	9					3		
10-321-04643	10	02 48 46	+ 8.3	559	60	1		
	10					2		
	10					3		
11-321-04643	11	02 47 15	+ 6.8	581	65	1		
	11					2		CUFM
	11					3		
12-321-04643	12	02 45 44	+ 5.3	603	71	1		
	12					2		STORM AREA
	12					3		
13-321-04643	13	02 44 13	+ 3.8	627	76	1		CUFM
	13					2		Some Cb
	13					3		Ci
14-323-60833	14	02 42 42	+ 2.3	651	82	1		
	14					2	Palau Is.	CUFM
	14					3		Some Cb
15-323-60833	15	02 41 11	+ 0.8	676	86	1		
	15					2		
	15					3		
16-324-60838	16	02 39 40	- 0.8	701	85	1		
	16					2	NEW GUINEA	CUFM
	16					3		Some Cb
17-324-60838	17	02 38 09	- 2.3	726	80	1		Streaks
	17					2		Fibrous
	17					3		
18-324-60838	18	02 36 38	- 3.8	752	75	1		
	18					2	AUSTRALIA	CUFM
	18					3		Streets
19-324-60838	19	02 35 07	- 5.3	777	70	1		Fibrous
	19					2		
	19					3		
20-324-60838	20	02 33 36	- 6.8	800	64	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 3

DATA ORBIT 319/320
DATE 19 September 1964
ASC. NODE 04 18 52 UT
110.33 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-320-04663	1	04 40 24	+21.5	443	8	1		BANDS
	1					2		
	1					3	Arctic Ice	
2-320-04663	2	04 38 53	+20.0	449	14	1		
	2					2		
	2					3		
3-320-04663	3	04 37 22	+18.5	457	21	1		
	3					2		
	3					3		
4-320-04663	4	04 32 49	+14.0	492	38	1		MOSTLY CLEAR Thin Bands
	4					2		
	4					3	Lake Hobsogol & Sayan Mts	
5-320-04663	5	04 31 18	+12.4	507	44	1		
	5					2	Lake Boon Tsagaan	
	5					3		
6-320-04663	6	04 29 47	+10.9	525	50	1		
	6					2	Jo River	
	6					3		
7-320-04663	7	04 28 16	+ 9.4	544	56	1		MOSTLY CUFM Bands
	7					2		
	7					3		
8-320-04663	8	04 26 45	+ 7.9	564	61	1		
	8					2		
	8					3		
9-320-04663	9	04 25 1[illegible]	+ 6.4	585	67	1		TROPICAL STORM TILDA
	9					2		
	9					3		
10-320-04663	10	04 23 43	+ 4.9	608	72	1		
	10					2	VIET NAM Hainan Gulf of Tonkin	
	10					3		
11-320-04663	11	04 22 12	+ 3.3	633	78	1		CUFM Cb Cifm Numerous Small Cu over Land Fibrous
	11					2		
	11					3		
12-320-04663	12	04 20 41	+ 1.8	658	83	1		
	12					2	INDONESIA & MALAYSIA	
	12					3		
13-320-04663	13	04 19 10	+ 0.3	683	86	1		
	13					2		
	13					3		
14-320-04663	14	04 17 39	- 1.2	708	84	1		
	14					2		
	14					3		
15-320-04663	15	04 16 08	- 2.7	734	78	1		
	15					2		
	15					3		
16-320-04663	16	04 14 37	- 4.3	758	73	1		MOSTLY CLEAR
	16					2	AUSTRALIA Eighty Mile Beach	
	16					3		
17-320-04663	17	04 13 06	- 5.8	784	68	1		
	17					2		
	17					3		
18-320-04663	18	04 11 35	- 7.3	808	63	1		BANDS
	18					2		
	18					3		
19-320-04663	19	04 10 04	- 8.8	831	57	1		
	19					2		
	19					3		
20-320-04663	20	04 08 33	-10.3	852	52	1		
	20					2		
	20					3		
21-320-04663	21	04 07 02	-11.8	873	47	1		
	21					2		
	21					3		
22-320-04663	22	04 05 31	-13.4	892	41	1		
	22					2		
	22					3		
23-320-04663	23	04 02 29	-16.4	923	31	1		BANDS Eddies
	23					2		
	23					3		
24-320-04663	24	04 00 58	-17.9	936	26	1		
	24					2		
	24					3		
25-320-04663	25	03 59 27	-19.4	946	21	1		APPARENT CLOUDS
	25					2	ANTARCTICA Ross Ice Shelf	
	25					3		
26-320-04663	25	03 57 56	-20.9	954	16	1		
	26					2		
	26					3		
27-320-04663	27	03 56 25	-22.5	960	10	1		
	27					2		
	27					3		
28-320-04663	28	03 54 54	-24.0	963	5	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 4

DATA ORBIT 320/321
DATE 19 September 1964
ASC. NODE 05 57 17 UT
85.73 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-321-04643	1	06 18 49	+21.5	444	9	1		MOSTLY CUFM Bands Streets Streaks
	1					2		
	1					3		
2-321-04643	2	06 17 18	+20.0	449	15	1		
	2					2		
	2					3	Novaya Zemlya	
3-321-04643	3	06 15 47	+18.5	456	21	1		
	3					2		
	3					3		
4-321-04643	4	06 14 16	+17.0	466	26	1		
	4					2		
	4					3		
5-321-04643	5	06 12 45	+15.5	478	32	1		
	5					2		
	5					3		
6-321-04643	6	06 11 14	+14.0	492	38	1		
	6					2		
	6					3		
7-321-04643	7	06 09 43	+12.4	506	44	1	Syr River	
	7					2	Lake Balkhash	
	7					3		
8-321-04643	8	06 08 12	+10.9	524	50	1	Lake Kara-Kul	MOSTLY CLEAR
	8					2	Lakes Sonkol & Chatyrkal	
	8					3	Lake Issyk	
9-321-04643	9	06 06 41	+ 9.4	543	56	1		CUFM Some Cb Streaks
	9					2		
	9					3	Tibetan Lakes	
10-321-04643	10	06 05 10	+ 7.9	564	61	1		
	10					2	Himalaya Mts.	
	10					3	Tibetan Lakes	
11-321-04643	11	06 03 39	+ 6.4	586	67	1		
	11					2		
	11					3		
12-321-04643	12	06 02 08	+ 4.9	609	73	1		
	12					2		
	12					3	Indian Cst.	
13-321-04643	13	06 00 37	+ 3.3	632	78	1		STORM AREA
	13					2		
	13					3		
14-321-04643	14	05 59 06	+ 1.8	657	83	1	Ceylon	CUFM & CIFM Cb
	14					2		
	14					3		
15-321-04643	15	05 57 35	+ 0.3	683	86	1		
	15					2		
	15					3		
16-321-04643	16	05 56 04	- 1.2	708	83	1		
	16					2		
	16					3		
17-321-04643	17	05 54 33	- 2.7	733	79	1		
	17					2		
	17					3		
18-321-04643	18	05 53 02	- 4.3	758	73	1		FRONTAL BANDS Vortex Vicinity 51 S Eddies
	18					2		
	18					3		
19-321-04643	19	05 51 31	- 5.8	783	68	1		
	19					2		
	19					3		
20-321-04643	20	05 50 00	- 7.3	807	63	1		
	20					2		
	20					3		
21-321-0463	21	05 48 29	- 8.8	830	57	1		
	21					2		
	21					3		
22-321-04643	22	05 46 58	-10.3	852	52	1		
	22					2		
	22					3		
23-321-04643	23	05 45 27	-11.8	872	47	1		
	23					2		
	23					3		
24-321-04643	24	05 43 56	-13.4	891	42	1		
	24					2		
	24					3		
25-321-04643	25	05 42 25	-14.9	908	37	1		
	25					2		
	25					3		
26-321-04643	26	05 40 54	-16.4	923	31	1		
	26					2		
	26					3		
27-321-04643	27	05 39 23	-17.9	936	26	1		
	27					2		
	27					3		
28-321-04643	28	05 37 52	-19.4	946	21	1		
	28					2	ANTARCTICA	
	28					3		
29-321-04643	29	05 36 21	-20.9	954	15	1		APPARENT CLOUDS
	29					2		
	29					3		
30-321-04643	30	05 34 50	-22.5	960	10	1		
	30					2		
	30					3		
31-321-04643	31	05 33 19	-24.0	963	5	1		
	31					2		
	31					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 5

DATA ORBIT 321/322
DATE 19 September 1964
ASC. NODE 07 35 43 UT
61.15 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-323-60833	1	07 57 21	+21.6	443	8	1		
	1					2		BANDS
	1					3		Eddies
2-323-60833	2	07 55 50	+20.1	448	14	1		Streets
	2					2		
	2					3		
3-323-60833	3	07 54 19	+18.6	455	20	1		
	3					2		
	3					3		
4-323-60833	4	07 52 48	+17.1	465	26	1		
	4					2		
	4					3		
5-323-60833	5	07 51 17	+15.6	477	32	1		
	5					2		
	5					3		
6-323-60833	6	07 49 46	+14.1	490	38	1		
	6					2	Volga River	CUFM
	6					3		
7-323-60833	7	07 48 15	+12.5	505	44	1		
	7					2	Volga River Delta	
	7					3	Caspian Sea	
8-323-60833	8	07 46 44	+11.0	522	50	1	Lakes Adzhinoor, Sevan, Van & Urmia	
	8					2	Caspian Sea	MOSTLY CLEAR
	8					3	Caspian Sea	
9-323-60833	9	07 45 13	+ 9.5	541	55	1		
	9					2		
	9					3		
10-323-60833	10	07 43 42	+ 8.0	562	61	1	Persian Gulf	
	10					2		
	10					3		
11-323-60833	11	07 42 11	+ 6.5	583	66	1	Persian Gulf	
	11					2	Persian Gulf	
	11					3	Gulf of Oman	
12-323-60833	12	07 40 40	+ 5.0	606	72	1		
	12					2	Muscat - Oman Cst.	CUFM
	12					3		Cellular
13-323-60833	13	07 39 09	+ 3.4	629	78	1	Socotra I.	Streets
	13					2		
	13					3		
14-323-60833	14	07 37 38	+ 1.9	654	83	1		
	14					2		STORM AREA
	14					3		
15-323-60833	15	07 36 07	+ 0.4	679	86	1		
	15					2		
	15					3		
16-323-60833	16	07 34 36	- 1.1	704	84	1		
	16					2		MOSTLY CLEAR
	16					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 6

DATA ORBIT 322/323
DATE 19 September 1964
ASC. NODE 09 14 09 UT
36.53 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-323-60833	1	09 35 50	+21.7	443	8	1		
	1					2	GREENLAND CST.	MOSTLY CUFM
	1					3		Bands
2-323-60833	2	09 34 19	+20.2	448	14	1		Streets
	2					2		Streaks
	2					3		
3-323-60833	3	09 32 48	+18.7	455	20	1		
	3					2		
	3					3		
4-323-60833	4	09 31 17	+17.1	464	26	1		
	4					2		
						3		
5-323-60833	5	09 29 46	+15.6	475	32	1	Sweden	
	5					2	Sweden & Gotland I	
	5					3		
6-323-60833	6	09 28 15	+14.1	489	38	1		
	6					2		
	6					3		
7-323-60833	7	09 26 44	+12.6	504	43	1		
	7					2		
	7					3		
8-323-60833	8	09 25 13	+11.1	521	49	1	Greece	
	8					2		
	8					3	Turkey	
9-323-60833	9	09 23 42	+ 9.6	540	55	1	Crete	MOSTLY CLEAR
	9					2	Rhodes & Karpathos Is.	
	9					3	Cyprus & Turkey	
10-323-60833	10	09 22 11	+ 8.0	560	61	1		
	10					2	AFRICA	
	10					3	Red Sea	
11-323-60833	11	09 20 40	+ 6.5	582	66	1	Sinai Pen.	
	11					2	Dead Sea	
	11					3	Nile River & Delta	
12-323-60833	12	09 19 09	+ 5.0	604	72	1	Lake Rudolf	
	12					2		
	12					3		
13-323-60833	13	09 17 38	+ 3.5	627	77	1		
	13					2		
	13					3		
14-323-60833	14	09 16 07	+ 2.0	653	83	1		
	14					2		CUFM
	14					3		Some Cb
15-323-60833	15	09 14 36	+ 0.5	678	86	1		Cellular
	15					2		Streaks
	15					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 7

DATA ORBIT 323/324
DATE 19 September 1964
ASC. NODE 10 52 35 UT
11.92 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-324-60838	1	11 11 19	+18.7	454	20	1	Greenland Cst.	
	1					2	Greenland Cst	BANDS
	1					3		Eddies
2-324-60838	2	11 09 48	+17.2	463	26	1	Iceland	Streaks
	2					2		Streets
	2					3		Fibrous
3-324-60838	3	11 08 17	+15.7	474	32	1		
	3					2		
	3					3		
4-324-60838	4	11 06 46	+14.2	488	38	1		
	4					2		
	4					3		
5-324-60838	5	11 05 15	+12.7	503	43	1		
	5					2		
	5					3		
6-324-60838	6	11 03 44	+11.2	520	49	1	Spain	CUFM
	6					2	Spain	Fibrous
	6					3	Sardinia & Corsica	Streets
7-324-60838	7	11 02 13	+ 9.6	539	55	1		
	7					2	AFRICA	MOSTLY CLEAR
	7					3	Sahara	
8-324-60838	8	11 00 42	+ 8.1	558	61	1		
	8					2		
	8					3		
9-324-60838	9	10 59 11	+ 6.6	579	66	1		
	9					2		
	9					3		
10-324-60838	10	10 57 40	+ 5.1	602	72	1		
	10					2		
	10					3		
11-324-60838	11	10 56 09	+ 3.6	626	77	1		
	11					2		
	11					3		
12-324-60838	12	10 54 38	+ 2.1	650	83	1		
	12					2		CUFM
	12					3		Fibrous
13-324-60838	13	10 53 07	+ 0.5	674	86	1		Streaks
	13					2		
	13					3		
14-324-60838	14	10 51 36	- 1.0	701	84	1		
	14					2		
	14					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 3

DATA ORBIT 324/325
DATE 19 September 1964
ASC. NODE 12 31 01 UT
12.68 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-325-60841	1	12 48 54	+17.9	458	23	1		
	1					2	GREENLAND	BANDS Some Frontal Fibrous Streaks Shear
	1					3		
2-325-60841	2	12 47 23	+16.4	468	29	1		
	2					2		
	2					3		
3-325-60841	3	12 45 52	+14.9	481	34	1		
	3					2		
	3					3		
4-325-60841	4	12 44 21	+13.3	495	40	1		
	4					2		
	4					3		
5-325-60841	5	12 42 50	+11.8	511	46	1		
	5					2		
	5					3		
6-325-60841	6	12 41 19	+10.3	529	52	1		
	6					2		CUFM Fibrous Streaks Cb
	6					3		
7-325-60841	7	12 39 48	+ 8.8	548	58	1		
	7					2		
	7					3		
8-325-60841	8	12 38 17	+ 7.3	589	64	1		
	8					2	AFRICA Canary Is.	
	8					3		
9-325-60841	9	12 36 46	+ 5.8	591	69	1		
	9					2		MOSTLY CLEAR
	9					3		
10-325-60841	10	12 35 15	+ 4.2	614	75	1		
	10					2		
	10					3		
11-325-60841	11	12 33 44	+ 2.7	638	80	1		
	11					2		ITC
	11					3		
12-325-60841	12	12 32 13	+ 1.2	663	85	1		
	12					2		
	12					3		
13-325-60841	13	12 30 42	- 0.3	689	86	1		
	13					2		CUFM Cellular Fibrous
	13					3		
14-325-60841	14	12 29 11	- 1.8	714	82	1		
	14					2		
	14					3		
15-325-60841	15	12 27 40	- 3.4	739	77	1		
	15					2		
	15					3		
16-325-60841	16	12 26 09	- 4.9	765	71	1		
	16					2		
	16					3		
17-325-60841	17	12 24 38	- 6.4	789	66	1		
	17					2		BANDS Cellular
	17					3		
18-325-60841	18	12 23 07	- 7.9	813	61	1		
	18					2		
	18					3		
19-325-60841	19	12 21 36	- 9.4	837	56	1		
	19					2		
	19					3		

NIMBUS I

AVCS DATA LOG

FEATURE: BUREAU DESIGNATION
1964 September 19 Track 2

DATA UNIT 325/326
DATE 19 September 1964
ASC. NODE 14 09 28 GMT
37.28 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	ASC FROM ASC NODE	WEIGHT (LBS)	SUN ANGLE	CA	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-327-04666	1	14 31 00	+21.6	440	8	1		
						2	GREENLAND & BAFFIN I.	THIN BANDS
						3		
2-327-04666	2	14 29 29	+20.1	448	14	1		
	2					2		
	2					3		
3-327-04666	3	14 27 58	+18.5	454	20	1		
						2		
						3		
4-327-04666	4	14 26 27	+17.0	463	26	1		
	4					2		
	4					3		
5-327-04666	5	14 24 56	+15.3	475	32	1		
	5					2		FRONTAL BANDS
	5					3		Vortex Vicinity 50 N
6-327-04666	6	14 23 25	+14.0	489	38	1		
	6					2		
	6					3		
7-327-04666	7	14 21 54	+12.5	503	44	1		
	7					2		
	7					3		
8-327-04666	8	14 20 23	+11.0	521	50	1		
	8					2		
	8					3		
9-327-04666	9	14 18 52	+ 9.4	540	55	1		
	9					2		
	9					3		
10-327-04666	10	14 17 21	+ 7.9	560	61	1		
	10					2		CUM
	10					3		Cb
11-327-04666	11	14 15 50	+ 6.4	580	67	1		Fibrous
	11					2		Streaks
	11					3		
12-327-04666	12	14 14 19	+ 4.9	603	72	1		
	12					2		
	12					3		
13-327-04666	13	14 13 48	+ 3.4	627	78	1		
	13					2		ITC
	13					3		
14-327-04666	14	14 11 17	+ 1.9	652	83	1		
	14					2		
	14					3		
15-327-04666	15	14 09 46	+ 0.3	677	86	1		
	15					2	SOUTH AMERICA	CUM
	15					3		Numerous Streets NO
16-327-04666	16	14 08 15	- 1.2	712	84	1		Fibrous
	16					2		Cb
	16					3		
17-327-04666	17	14 06 44	- 2.7	727	79	1		
	17					2		
	17					3		
18-327-04666	18	14 05 13	- 3.2	753	74	1		
	18					2		
	18					3		
19-328-04662	19	14 03 11	- 7.3	802	63	1		
	19					2		
	19					3		
20-328-04662	20	14 00 40	- 8.8	836	58	1		
	20					2		BANDS
	20					3		Eddies
21-328-04662	21	13 59 09	-10.3	866	53	1		Streaks
	21					2		
	21					3		
22-328-04662	22	13 57 38	-11.8	888	47	1		
	22					2		
	22					3		
23-328-04662	23	13 56 07	-13.3	907	42	1		
	23					2		
	23					3		
24-328-04662	24	13 54 36	-14.8	934	36	1		
	24					2		
	24					3		
25-328-04656	25	13 50 [illegible]	-18.4	949	31	1		
	25					2		APPARENT CLOUDS
	25					3		
26-328-04656	26	13 48 32	-20.0	953	16	1		
	26					2	ANTARCTICA	
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
19th September 19 Track 10

DATA ORBIT 328/327
DATE 19 September 1964
ASC. NODE 15 47 53 GMT
6.89 W LONG.

CATALOG NUMBER	SIDE / FRAME	INDEX TIME (GMT)	LAMP FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-328-04662	1	16 02 15	+21.3	443	9	1		MOSTLY CLOUD COVERED
	1					2		Bands
	1					3		
2-328-04662	2	16 07 41	+19.6	443	15	1		
	2					2		
	2					3		
3-328-04662	3	16 08 10	+18.3	455	21	1		
	3					2		
	3					3		
4-328-04662	4	16 04 39	+16.8	465	27	1		
	4					2		
	4					3		
5-328-04662	5	16 02 08	+15.3	476	33	1	Cape Henrietta Maria	
	5					2	Belcher Is.	
	5					3		
6-328-04662	6	16 01 37	+13.6	489	39	1	Albany River	
	6					2		MOSTLY CLEAR
	6					3	Lake Albanel	
7-327-04666	7	15 54 02	+ 6.2	583	68	1		
	7					2		CUMN
	7*					3		Some Cb
8-327-04666	8	15 52 34	+ 4.7	606	73	1		Fibrous
	8					2	Puerto Rico	
	8					3		
9-327-04666	9	15 51 00	+ 3.1	630	79	1	N. South America Cst.	
	9					2	N. South America Cst.	
	9					3		
10-327-04666	10	15 41 54	- 6.0	781	87	1		
	10					2	SOUTH AMERICA	FRONTAL BANDS
	10					3		Eddies
11-327-04666	11	15 40 23	- 7.5	805	82	1		Apparent Wave
	11					2		Shear
	11					3		Fibrous
12-327-04666	12	15 38 52	- 9.0	828	57	1		Streaks
	12					2		
	12					3		
13-327-04666	13	15 37 21	-10.5	850	51	1		
	13					2		
	13					3		
14-327-04666	14	15 35 50	-12.0	871	46	1		
	14					2		
	14					3		
15-327-04666	15	15 34 19	-13.6	890	41	1		
	15					2		
	15					3		
16-327-04666	16	15 32 48	-15.1	907	36	1		
	16					2		
	16					3		
17-327-04666	17	15 31 17	-16.6	922	30	1		
	17					2		
	17					3		
18-327-04666	18	15 29 46	-18.1	935	25	1		
	18					2	PACK I..	
	18					3		
19-327-04666	19	15 28 15	-19.6	946	20	1		
	19					2		THIN CLOUDS
	19					3		
20-327-04666	20	15 26 44	-21.2	954	15	1		
	20					2	ANTARCTICA	
	20					3		
21-327-04666	21	15 25 13	-22.7	960	10	1		
	21					2		
	21					3		
22-327-04666	22	15 23 42	-24.2	963	5	1		
	22					2		
	22					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 11

DATA ORDER 327/325
DATE 19 September 1964
ASC. NODE 17 26 18 GT
86.49 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	C.M	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
A-329-60856	1	17 40 09	+14.9	408	38	1		Mostly Clear
						2	Lakes Dauphin & Winnipegosis	Small Cu
						3	Lake Winnipeg	Bands
A-329-6085	2	17 38 36	+12.3	503	44	1		
	2					2		BANDS
	2					3		
3-328-04662	3*	17 26 01	+ 1.7	652	83	1		
	3*					2		ITC
	3					3	Panama	
4-328-04662	4	17 25 ?	+ 0.2	677	86	1		
	4					2	SOUTH AMERICA	
	4					3	Andes Mts., Snow Covered	
5-328-04662	5	17 24 59	- 1.3	702	84	1		
	5					2		CUFH
	5					3		Large Cellular Field
6-328-04662	6	17 23 28	- 2.8	728	78	1		St along Cst.
	6					2		
	6					3		
7-328-04662	7	17 21 57	- 4.4	753	73	1		
	7					2		
	7					3		
8-328-04662	8	17 20 26	- 5.9	778	68	1		
	8					2		
	8					3		
9-328-04662	9	17 18 55	- 7.4	803	62	1		
	9					2		
	9					3		
10-328-04662	10	17 17 24	- 8.9	827	57	1		
	10					2		FRONTAL BANDS
	10					3		Vortex Vicinity 61 S
11-328-04662	11	17 15 53	-10.4	848	52	1		Eddies
	11					2		Streets
	11					3		Streaks
12-328-04662	12	17 14 22	-11.9	869	46	1		
	12					2		
	12					3		
13-328-04662	13	17 12 51	-13.5	889	41	1		
	13					2		
	13					3		
14-328-04662	14	17 11 20	-15.0	905	36	1		
	14					2		
	14					3		
15-328-04662	15	17 09 48	-16.5	921	31	1		
	15					2		
	15					3		
16-328-04662	16	17 08 18	-18.0	933	26	1		
	16					2		
	16					3		
17-328-04662	17	17 06 47	-19.5	944	21	1		
	17					2	ANTARCTICA	
	17					3	Palmer Pen.	
18-328-04662	18	17 05 16	-21.0	953	16	1	Weddell Sea	
	18					2		THIN CLOUDS
	18					3		Apparent Vortex
19-328-04662	19	17 03 45	-22.6	959	10	1		
	19					2		
	19					3		
20-328-04662	20	17 02 14	-24.1	963	5	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 12

DATA ORBIT 328/329
DATE 19 September 1964
AP: MODE 19 04 44 GT
111.09 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT,	AN FROM ASC NODE	HEIGHT (Km)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-329-60856	1	19 20 13	+15.5	473	32	1		
	1					2		FRONTAL BAND
	1					3		Vortex Vicinity 55 N
2-329-60856	2	19 18 42	+14.0	487	38	1		
	2					2		
	2					3		
3-329-60856	3	19 17 11	+12.3	501	44	1		
	3					2		
	3					3		
4-329-60856	4	19 15 40	+10.8	513	50	1	California Cat	
	4					2	Pyramid Lake	MOSTLY CLEAR
	4					3	Great Salt Lake & Carson Sink	Fog/St along Cat.
5-329-60856	5	19 14 09	+ 9.4	536	55	1		
	5					2	S. California	
	5					3	Lake Mead & Colorado River	
6-329-60856	6	19 12 38	+ 7.9	556	61	1		
	6					2	Guadalupe I.	CUFM
	6					3	Baja California & Mexico	Cellular
7-329-60856	7	19 11 07	+ 6.4	578	67	1		Some Cb
	7					2		
	7					3	Baja California	
8-329-60856	8	19 09 36	+ 4.9	600	72	1		
						2		
	8					3		
9-329-60856	9	19 08 05	+ 3.4	624	78	1		
	9					2		CUFM
	9					3		Some Cb
10-329-60856	10	19 06 34	+ 1.8	650	83	1		Fibrous
	10					2		
	10					3		
11-329-60856	11	19 02 01	- 2.7	725	79	1		
	11					2		CUFM
	11					3		Cellular
12-329-60856	12	19 00 30	- 4.2	751	73	1		Actiniform
	12					2		
	12					3		
13-329-60856	13	18 58 59	- 5.8	776	68	1		
	13					2		
	13					3		
14-329-60856	14	18 57 29	- 7.3	800	63	1		
	14					2		
	14					3		
15-329-60856	15	18 55 57	- 8.8	823	58	1		
	15					2		FRONTAL BANDS
	15					3		Vortex Vicinity 64 S
16-329-60856	16	18 54 26	-10.3	846	52	1		Eddies
	16					2		Streaks
	16					3		
17-329-60856	17	18 52 55	-11.8	67	47	1		
	17					2		
	17					3		
18-329-60856	18	18 51 24	-13.3	886	42	1		
	18					2		
	18					3		
19-329-60856	19	18 49 53	-14.9	902	37	1		
	19					2		
	19					3		
20-329-60856	20	18 48 23	-16.4	918	31	1		
	20					2		
	20					3		
21-329-60856	21	18 46 51	-17.9	932	26	1		
	21					2		
	21					3		
22-329-60856	22	18 45 20	-19.4	944	21	1		
	22					2		
	22					3		
23-329-60856	23	18 43 49	-20.9	952	16	1		
	23					2	ANTARCTICA	APPARENT CLOUDS
	23					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 13

DATA ORBIT 329/330
DATE 19 September 1964
ASC NODE 20 43 10 GT
135 70 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (Km)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-330-60961	1	20 37 00	+13.9	486	38	1		
	1					2		BANDS
	1					3		Streaks
2-330-60961	2	20 35 35	+12.4	501	44	1		
	2					2		
	2					3		
3-330-60961	3	20 34 04	+10.9	518	50	1		
	3					2		
	3					3		
4-330-60961	4	20 32 33	+ 9.4	536	55	1		
	4					2		CUFF
	4					3		Cellular
5-330-60961	5	20 31 02	+ [illegible]	556	61	1		
	5					2		
	5					3		
6-330-60961	6	20 29 31	+ 6.4	578	67	1		
	6					2		
	6					3		
7-330-60961	7	20 28 00	+ 4.8	600	73	1		
	7					2		
	7					3		
8-330-60961	8	20 26 29	+ 3.3	624	78	1		
	8					2		ITC
	8					3		
9-330-60961	9	20 24 58	+ 1.8	649	83	1		
	9					2		
	9					3		
10-330-60961	10	20 23 27	+ 0.3	674	85	1		
	10					2		CUFF
	10					3		Lines of Small Cu
11-330-60961	11	20 21 56	- 1.2	698	84	1		
	11					2		
	11					3		
12-330-60961	12	20 20 25	- 2.8	725	79	1		
	12					2		
	12					3		
13-330-60961	13	20 18 54	- 4.3	750	73	1		
	13					2		
	13					3		
14-330-60961	14	20 17 23	- 5.8	775	68	1		
	14					2		FRONTAL BANDS
	14					3		Eddies
15-330-60961	15	20 15 52	- 7.3	800	63	1		Streaks
	15					2		
	15					3		
16-330-60961	16	20 14 21	- 8.8	823	58	1		
	16					2		
	16					3		
17-330-60961	17	20 12 50	-10.3	845	52	1		
	17					2		
	17					3		
18-330-60961	18	20 11 18	-11.8	866	47	1		
	18					2		
	18					3		
19-330-60961	19	20 09 48	-13.4	886	43	1		
	19					2		
	19					3		
20-330-60961	20	20 08 17	-14.9	903	37	1		
	20					2		
	20					3		
21-330-60961	21	20 06 46	-16.4	917	31	1		
	21					2		
	21					3		
22-330-60961	22	20 05 14	-18.4	943	21	1		
	22					2		
	22					3		
23-330-60961	23	20 03 43	-21.0	962	16	1		BANDS
	23					2	ANTARCTICA	Eddies
	23					3		
24-330-60961	24	20 02 12	-23.5	980	11	1		
	24					2		
	24					3		
25-330-60961	25	20 00 41	-26.0	993	5	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 19 Track 14

DATA CREW 330/3
DATE 19 September 1964
ASC NODE 22 21 33 GT
160.30 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-331-60866	1	22 33 48	+14.4	683	37	1		FRONTAL SYSTEM Vortex Vicinity 51 N
	1					2		
	1					3		
2-331-60866	2	22 34 17	+12.7	698	43	1		
	2					2		
	2					3		
3-331-60866	3	22 32 46	+11.2	514	49	1		
	3					2		
	3					3		
4-331-60866	4	22 31 15	+ 9.7	533	54	1		
	4					2		
	4					3		
5-331-60866	5	22 29 44	+ 8.2	552	60	1		CUMs
	5					2		
	5					3		
6-331-60866	6	22 28 13	+ 6.6	573	66	1		
	6					2		
	6					3		
7-331-60866	7	22 26 42	+ 5.1	595	71	1		STORM AREA
	7							
	7							
8-331-60866	8	22 25 11	+ 3.6	618	77	1		
	8					2		
	8					3		
9-331-60866	9	22 23 40	+ 2.1	643	82	1		
	9					2		CUMs Fibrous Some Cb
	9					3		
10-331-60866	10	22 22 09	+ 0.6	683	86	1		
	10					2		
	10					3		
11-331-60866	11	22 20 38	- 1.0	688	85	1		
	11					2		
	11					3		
12-331-60[illegible]	12	22 19 07	- 2.5	719	80	1		
	12					2		
	12					3		
13-331-60866	13	22 17 36	- 4.0	745	75	1		
	13					2		
	13					3		

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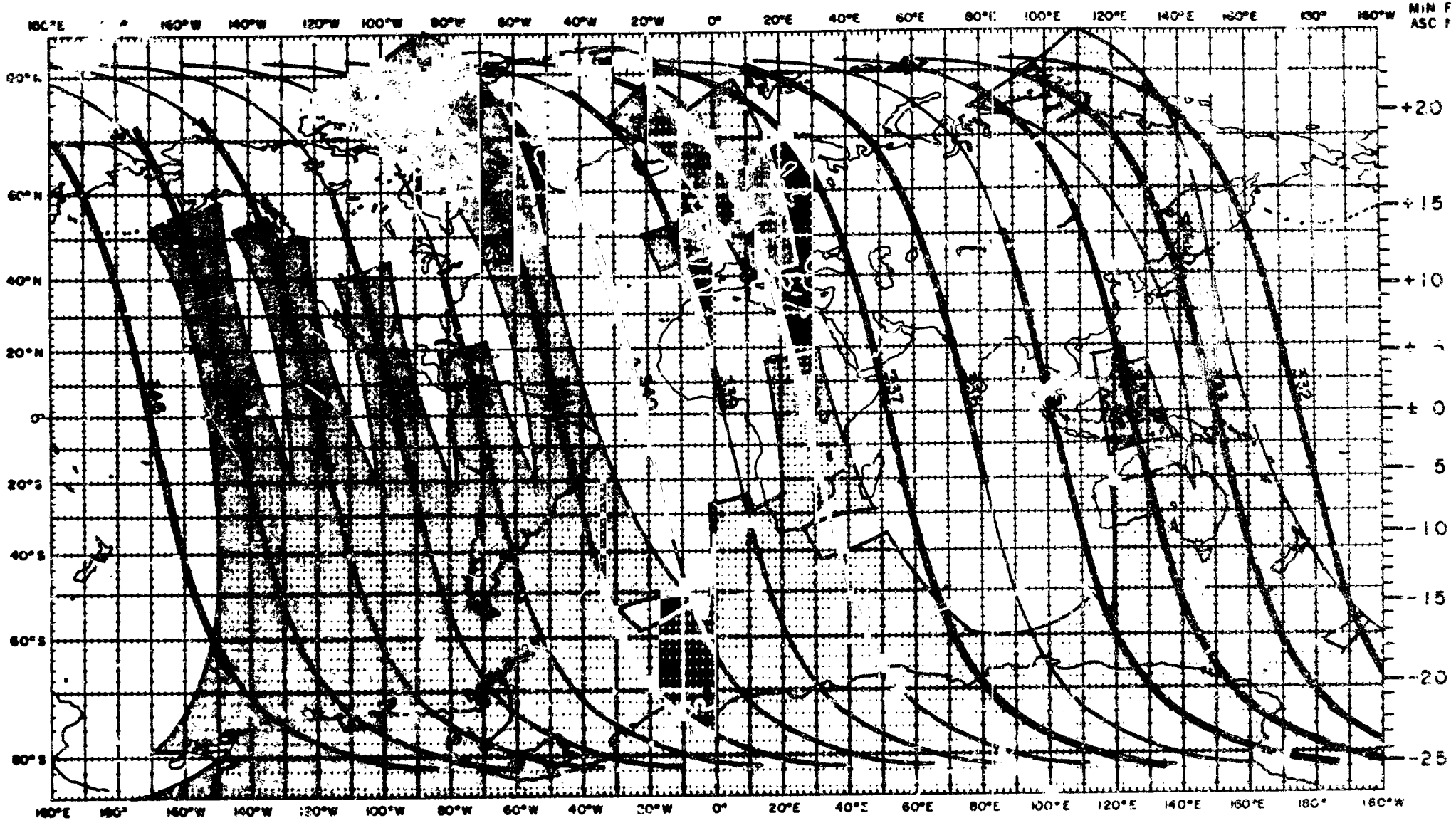
NIMBUS I DOCUMENTATION

20 September 1964

Orbits 331 through 346

AVCS DAILY COVERAGE MAP

20 SEPTEMBER 1964
ORBITS 331 TO 346

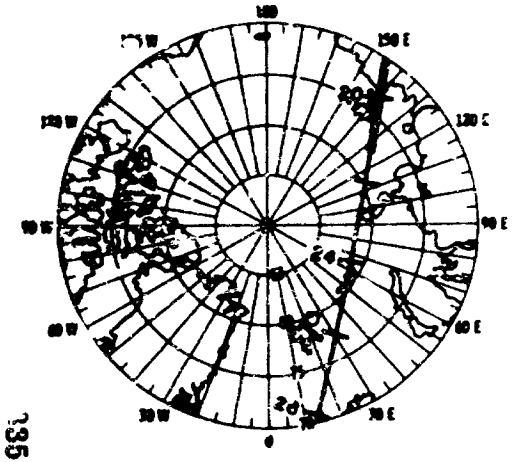


POLAR COVERAGE MAPS

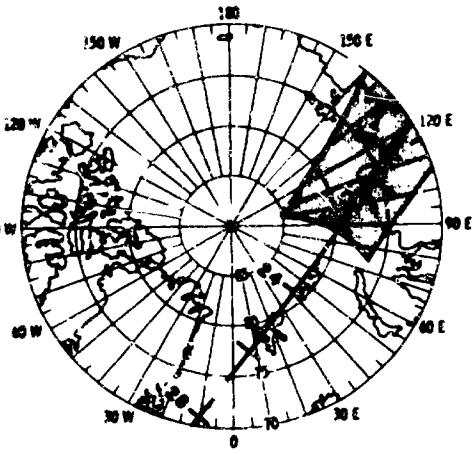
20 SEPTEMBER 1964

NORTH POLAR REGIONS

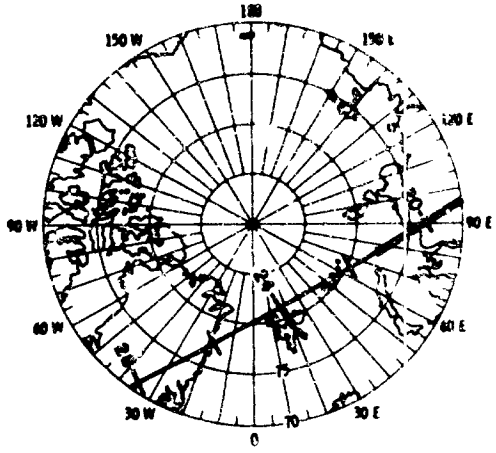
DATA ORBIT
332



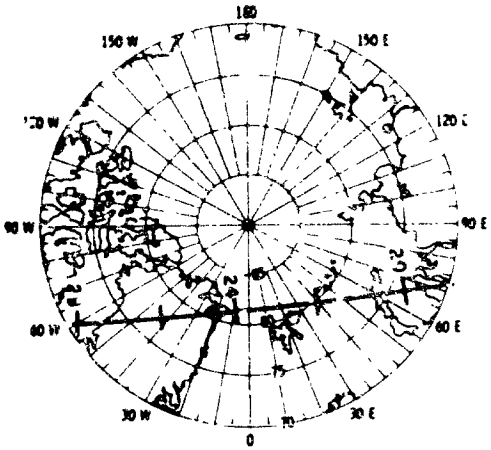
DATA ORBIT
333



DATA ORBIT
334

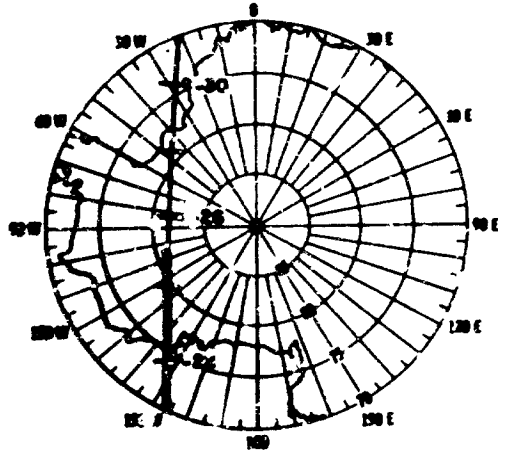


DATA ORBIT
335

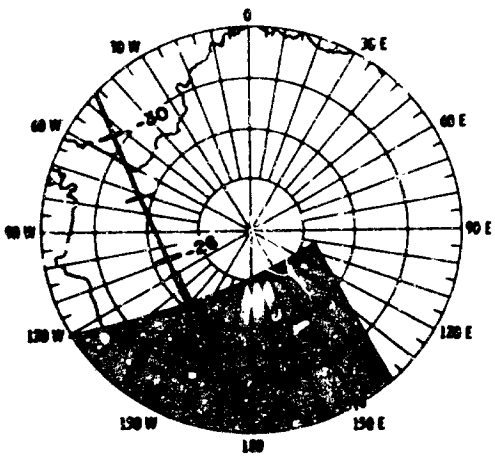


SOUTH POLAR REGIONS

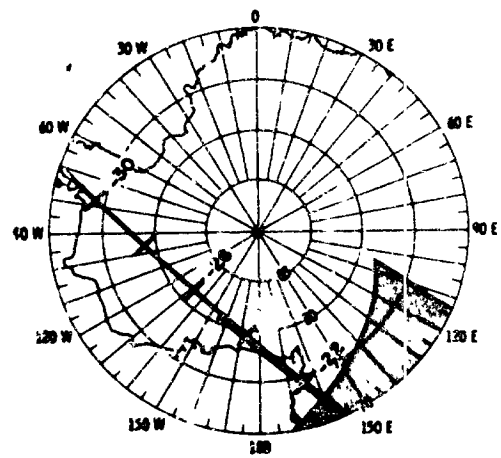
DATA ORBIT
331



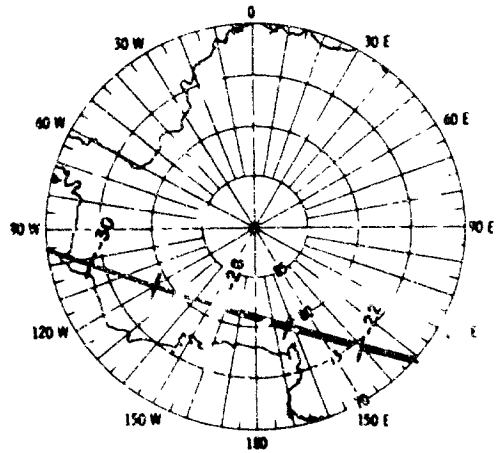
DATA ORBIT
332



DATA ORBIT
333



DATA ORBIT
334

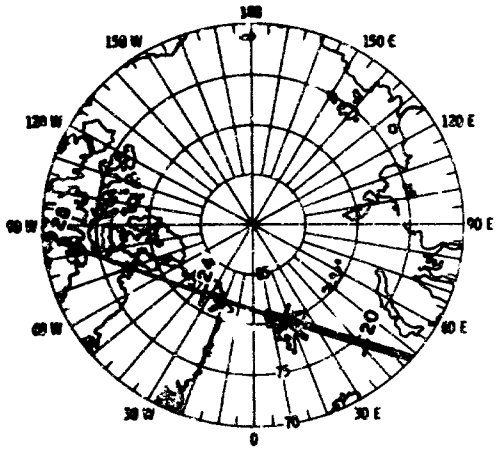


POLAR COVERAGE MAPS

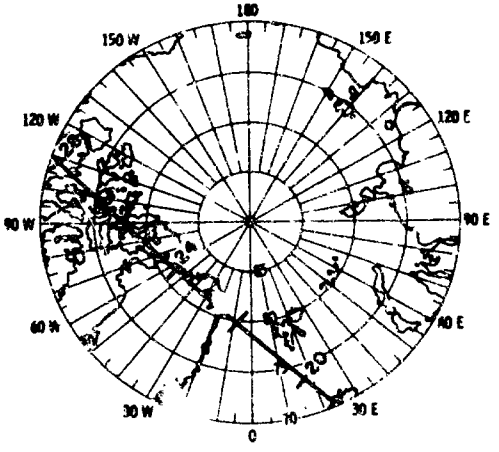
20 SEPTEMBER 1964

NORTH POLAR REGIONS

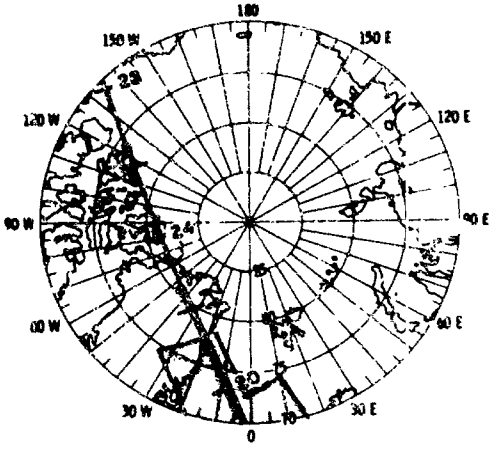
DATA ORBIT 336



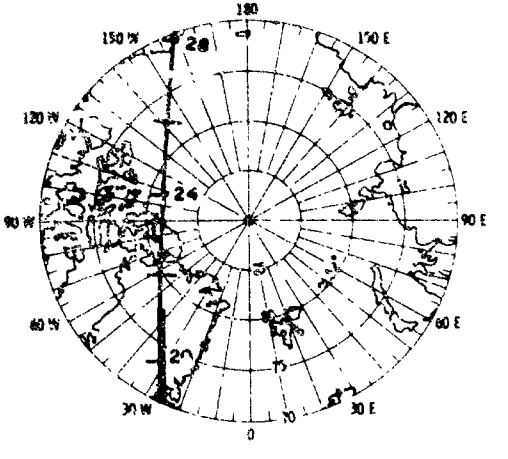
DATA ORBIT 337



DATA ORBIT 338

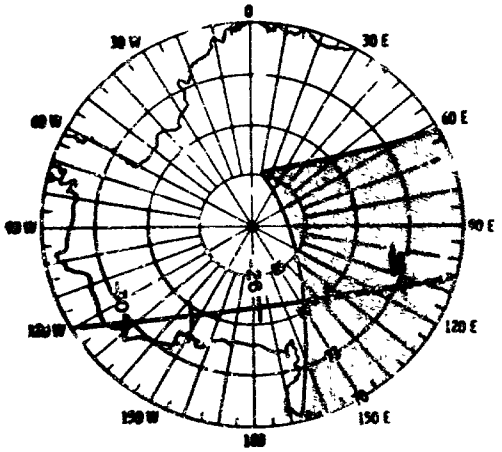


DATA ORBIT 339

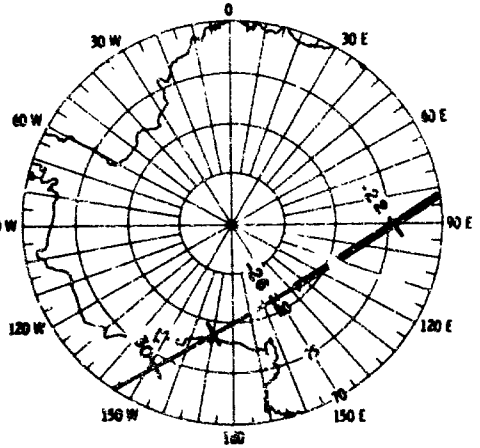


SOUTH POLAR REGIONS

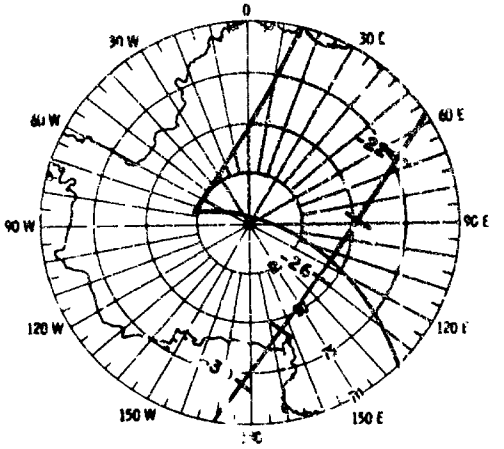
DATA ORBIT 335



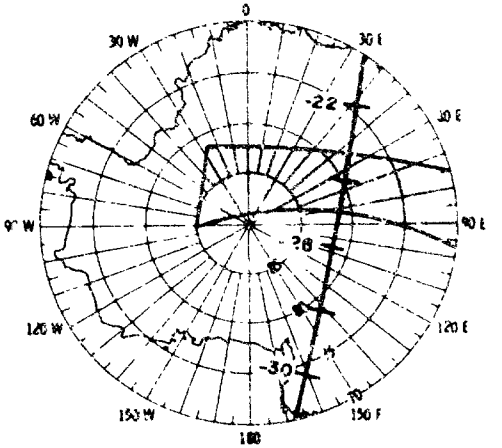
DATA ORBIT 336



DATA ORBIT 337



DATA ORBIT 338

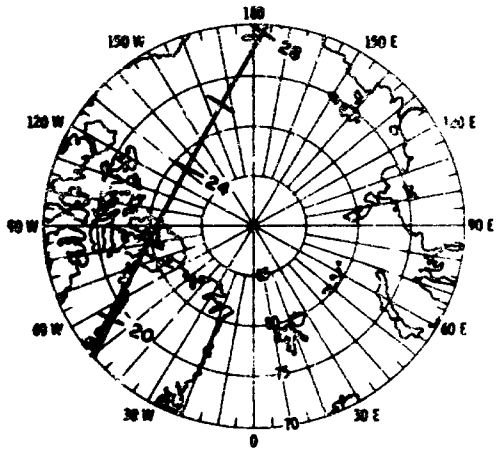


POLAR COVERAGE MAPS

20 SEPTEMBER 1964

NORTH POLAR REGIONS

DATA ORBIT 340



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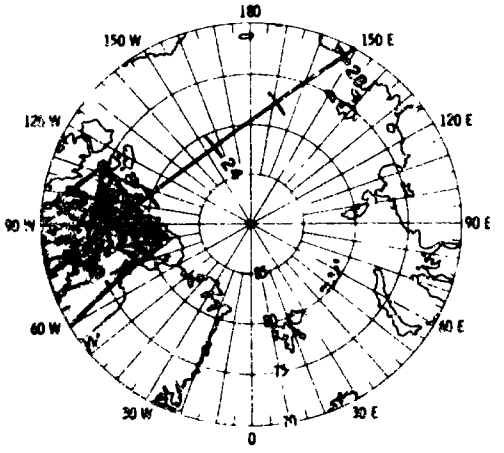
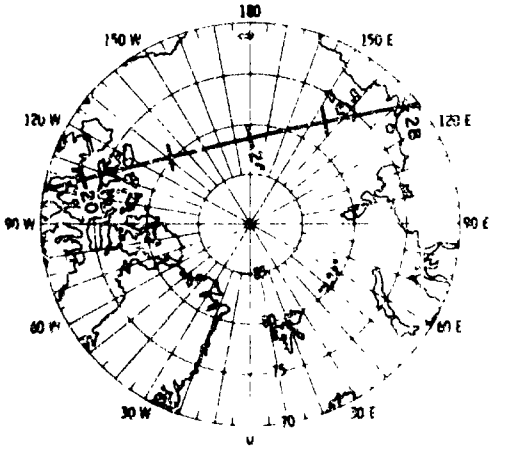
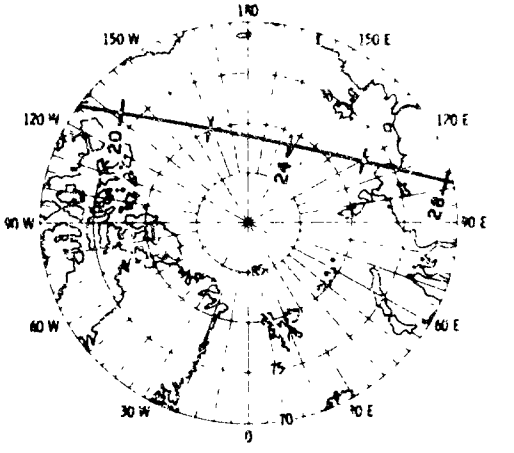


DATA ORBIT 342

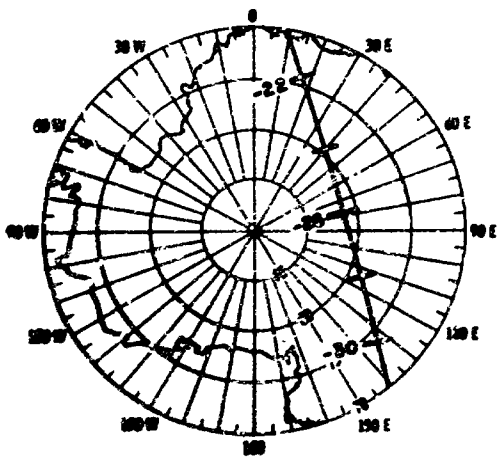


DATA ORBIT 343

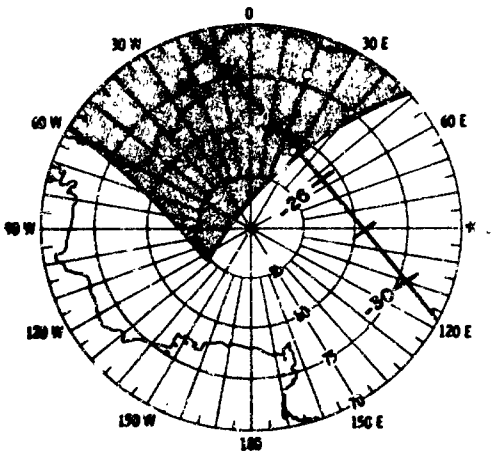


SOUTH POLAR REGIONS

DATA ORBIT 339



DATA ORBIT 340



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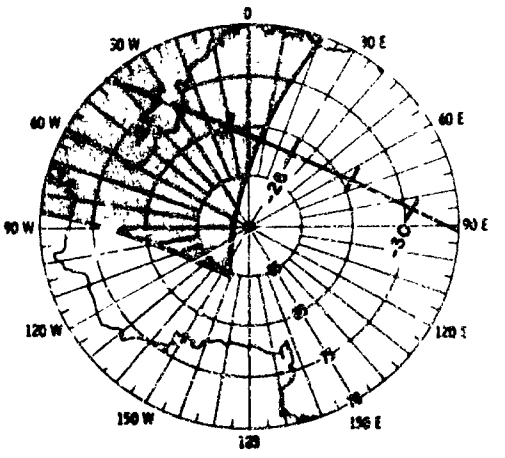

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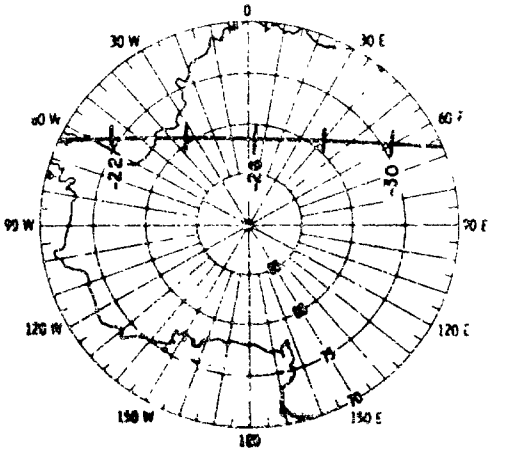
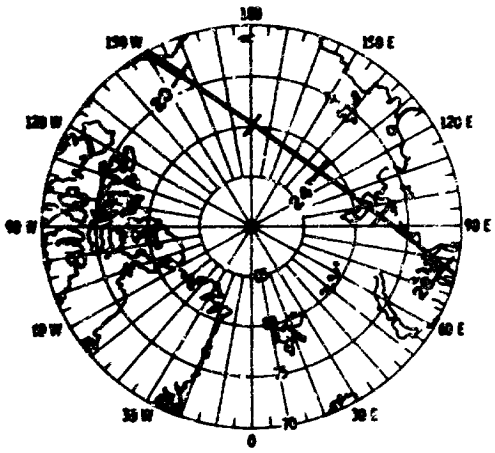


POLAR COVERAGE MAPS

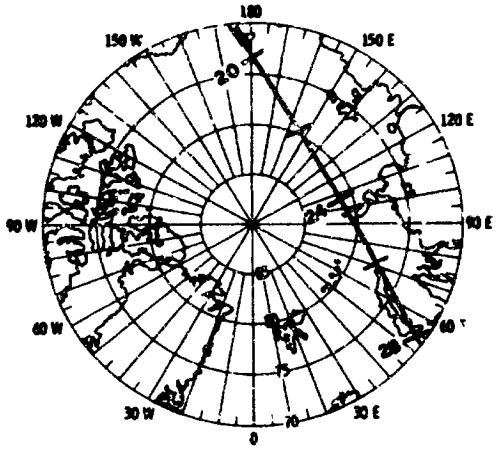
20 SEPTEMBER 1964

NORTH POLAR REGIONS

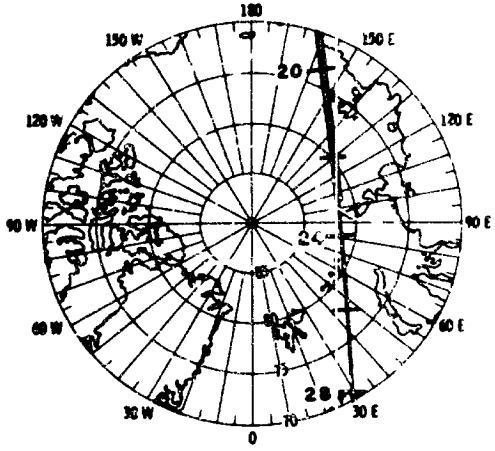
DATA ORBIT
344



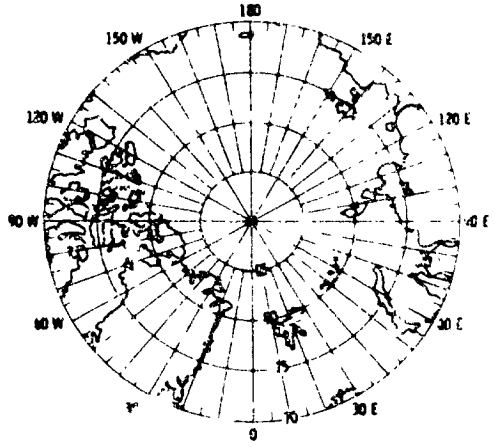
DATA ORBIT
345



DATA ORBIT
346

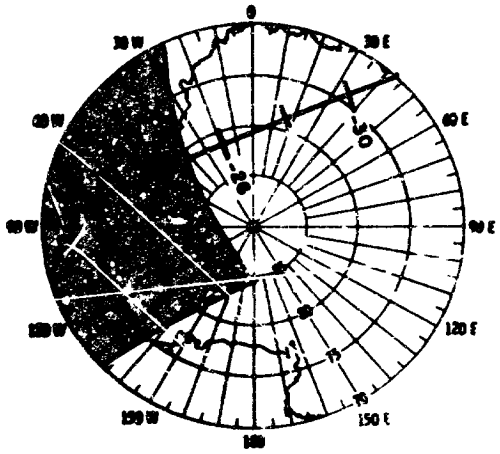


DATA ORBIT

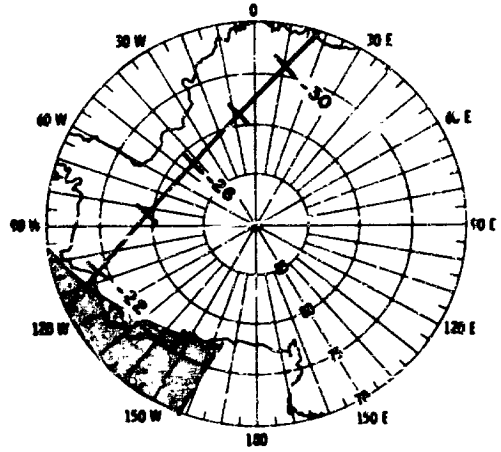


SOUTH POLAR REGIONS

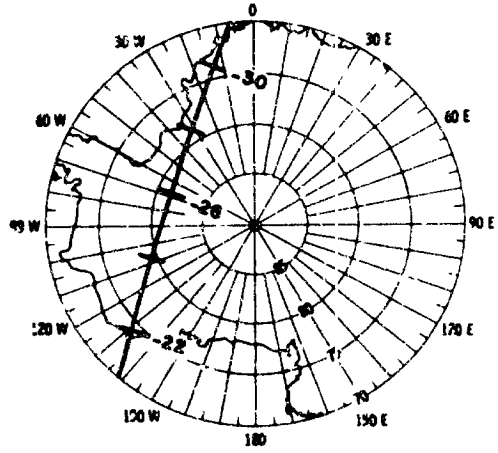
DATA ORBIT
343



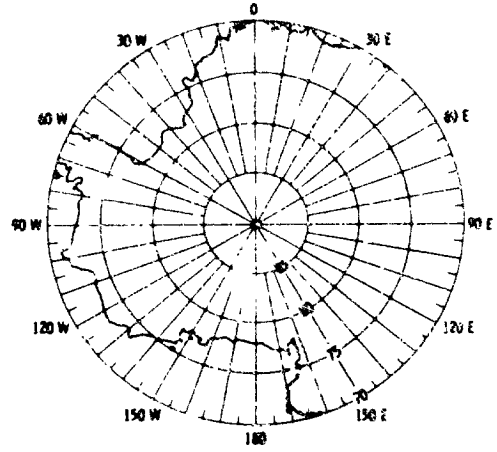
DATA ORBIT
344



DATA ORBIT
345



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 1

DATA ORBIT 332/333
DATE 20 September 1964 GMT
ASC. NODE 04 38 37 GMT
150 30 E LONG.

CATALOG NUMBER	FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-335-04921	1	02 00 02	+21.6	442	8	1		BANDS Scum Frontal Streaks Streaks Fibrous Eddies
	1					2		
	1					3		
2-335-04921	2	01 58 31	+20.1	446	14	1		
	2					2		
	2					3		
3-335-04921	3	01 57 09	+18.6	453	20	1		
	3					2		
	3					3		
4-335-04921	4	01 55 20	+17.0	461	26	1		
						2	Lena River	
	4					3		
5-335-04921	5	01 53 51	+15.5	471	32	1		
	5					2		
	5					3		
6-335-04921	6	01 52 27	+14.0	484	38	1		
	6					2		
	6					3	Sakhalin	
7-335-04921	7	01 50 58	+12.5	499	44	1		
	7					2		
	7					3	Sakhalin	
8-335-04921	8	01 49 25	+11.0	15	49	1		
	8					2		
	8					3	N. Japan	
9-335-04921	9	01 47 54	+ 9.5	533	55	1	Japan	
	9					2		
	9					3		
10-335-04921	10	01 46 29	+ 7.9	553	61	1		
	10					2		
	10					3		
11-335-04921	11	01 44 58	+ 6.4	575	67	1		TYPHOON VILDA
	11					2		
	11					3		
12-335-04921	12	01 43 21	+ 4.9	597	72	1		
	12					2		
	12					3		
13-335-04921	13	01 41 50	+ 3.4	621	78	1		
	13					2		
	13					3		
14-335-04921	14	01 40 19	+ 1.9	645	83	1		
	14					2		CUMN Storm Areas Streaks Fibrous
	14					3		
15-335-04921	15	01 38 48	+ 0.4	670	86	1		
	15					2		
	15					3		
16-335-04921	15	01 37 17	- 1.3	695	84	1	New Guinea	
	16					2	New Britain & New Zealand	
	16					3		
17-335-04921	17	01 35 46	- 2.7	721	79	1	New Guinea	
	17					2		
	17					3	Solomon Is.	
18-335-04921	18	01 34 15	- 4.2	747	74	1		
	18					2	AUSTRALIA	
	18					3		
19-335-04921	19	01 32 44	- 5.7	773	69	1		
	19					2		
	19					3		
20-335-04921	20	01 31 13	- 7.2	797	63	1		
	20					2		
	20					3		
21-335-04921	21	01 29 42	- 8.8	820	58	1		
	21					2		FRONTAL BANDS Vortex Vicinity 58 S Apparent Small Vortex Vicinity 37 S Eddies Fibrous
	21					3		
22-335-04921	22	01 28 11	-10.3	843	52	1		
	22					2		
	22					3		
23-335-04921	23	01 26 40	-11.8	864	47	1		
	23					2		
	23					3	New Zealand	
24-335-04921	24	01 25 09	-13.3	883	42	1		
	24					2		
	24					3	New Zealand	
25-335-04921	25	01 23 38	-14.8	901	37	1		
	25					2		
	25					3		
26-335-04921	26	01 22 07	-16.3	917	31	1		
	26					2		
	26					3		
27-335-04921	27	01 20 36	-17.8	930	26	1		
	27					2		
	27					3		
28-335-04921	28	01 17 34	-20.9	951	16	1		
	28					2	ANTARCTICA	THIN CLOUDS
	28					3		
29-335-04921	29	01 16 03	-22.4	960	11	1		
	29					2		
	29					3		
30-335-04921	30	01 14 32	-23.9	968	5	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 2

DATA ORBIT 333/334
DATE 21 September 1964
ASC. NODE 03 16 53 UT
125.89 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (NM)	SUN ANGL	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-335-04921	1	03 21 48	+ 4.9	596	72	1	PHILIPPINE & INDONESIA IS.	TYPHOON TILDA
	1					2		
	1					3		
2-335-04921	2	03 20 17	+ 3.4	619	78	1		
	2					2		
	2					3		
3-335-04921	3	03 18 48	+ 1.9	644	83	1		CUFM Storm Areas
	3					2		
	3					3		
4-335-04921	4	03 17 15	+ 0.4	669	96	1		
	4					2		
	4					3		
5-335-04921	5	03 15 44	- 1.2	694	84	1		
	5					2		
	5					3		
6-335-04921	6	03 14 13	- 2.7	720	79	1		
	6					2		
	6					3		
7-335-04921	7	03 11 11	- 5.7	771	69	1	AUSTRALIA Numerous Salt Lakes Spencer Gulf Tasmania	MOSTLY CLEAR
	7					2		
	7					3		
8-335-04921	8	03 09 39	- 7.2	795	63	1		
	8					2		
	8					3		
9-335-04921	9	03 08 09	- 8.7	819	58	1		CUFM Streets
	9					2		
	9					3		
10-335-04921	10	03 06 38	-10.3	842	52	1		FRONTAL BAND? Vortex Vicinity 52 S Eddies
	10					2		
	10					3		
11-335-04921	11	03 05 07	-11.8	863	47	1		
	11					2		
	11					3		
12-335-04921	12	03 03 36	-13.3	882	42	1		
	12					2		
	12					3		
13-335-04921	13	03 02 05	-14.8	900	37	1		
	13					2		
	13					3		
14-335-04921	14	03 00 34	-16.3	916	31	1		
	14					2		
	14					3		
15-335-04921	15	02 59 03	-17.8	930	26	1		
	15					2		
	15					3		
16-335-04921	16	02 57 32	-19.4	942	21	1	ANTARCTICA	APPARENT CLOUDS
	16					2		
	16					3		
17-335-04921	17	02 56 01	-20.9	951	16	1		
	17					2		
	17					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 4

DATA ORBIT 333 336
DATE 20 September 1964
ASC NODE 04 33 44 GT
69 E LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-337-60865	1	04 26	-13.3	841	42	1		
	1					2		MIDDLE CLOUD COVERED
						3		
2-337-60865	2	04 15 53	-17 9	929	26	1		
	2					2		
	2					3		
3-337-60865	3	04 4 22	-19 4	941	21	1		
	3					2	ANTARCTICA	
	3					3		
4-337-60865	4	03 12 5	-20 9	950	16	1		
	4					2		
	4					3		
5-337-60865	5	03 11 20	-22 4	957	11	1		
	5					2		
	5					3		
6-337-60865	6	03 03 49	-23 9	962	6	1		
	6					2		
	6					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 30 Track 6

DATA CRMT 337/338
DATE 30 September 1964
ASC. NODE 09 50 36 GT
27.48 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-338-00870	1	10 11 37	+21.0	4	10	1	Greenland Cst.	Apparent Clouds
	1					2	Greenland Cst.	Apparent Clouds
	1					3		
2-338-00870	2	10 10 06	+19.5	447	18	1		
	2					2		BANDS
	2					3		Eddies
3-338-00870	3	10 08 35	+18.0	453	22	1		Streets
	3					2		Streaks
	3					3		
4-338-00870	4	10 07 04	+16.5	462	26	1		
	4					2		
	4					3		
5-338-00870	5	10 05 33	+15.0	473	34	1		
	5					2		
	5					3		
6-338-00870	6	10 04 02	+13.4	486	40	1		
	6					2		
	6					3		
7-338-00870	7	10 02 31	+11.	501	46	1	Italy	
	7					2	Yugoslavia	MOSTLY CLEAR
	7					3		
8-338-00870	8	09 54 56	+ 4.3	601	74	1		
	8					2	AFRICA	MOSTLY CLEAR
	8					3	Lakes Nyasa & Tanganyika	
9-338-00870	9	09 53 25	+ 2.8	625	80	1	Zambezi River	
	9					2		CUFM
	9					3		Some Cb
10-338-00870	10	09 51 54	+ 1.3	650	86	1		Streets
	10					2		Fibrous
	10					3		
11-338-00870	11	09 50 23	- 0.3	675	86	1		
	11					2		
	11					3		
12-338-00870	12	09 48 52	- 1.7	700	82	1		
	12					2		
	12					3		
13-338-00870	13	09 47 21	- 3.3	726	77	1		
	13					2		CUFM
	13					3		Streets
14-338-00870	14	09 45 50	- 4.8	752	73	1		Fibrous
	14					2		Large Clear Areas
	14					3		
15-338-00870	15	09 44 19	- 6.3	777	67	1		
	15					2		
	15					3		
16-338-00870	16	09 42 48	- 7.8	801	61	1		
	16					2		
	16					3		
17-338-00870	17	09 39 18	-10.4	838	45	1		
	17					2		BANDS
	17					3		
18-338-00870	18	09 36 44	-13 1	867	40	1		
	18					2		
	18					3		
19-338-00870	19	09 35 13	-15.4	894	35	1		
	19					2		
	19					3		
20-338-00870	20	09 33 42	-16.9	920	30	1		
	20					2		
	20					3		
21-338-00870	21	09 32 11	-18.4	933	24	1		
	21					2	ANTARCTICA	APPARENT CLOUDS
	21					3		
22-338-00870	22	09 30 40	-19.9	944	19	1		
	22					2		
	22					3		
23-338-00870	23	09 29 09	-21.5	953	14	1		
	23					2		
	23					3		
24-338-00870	24	09 27 38	-23 0	958	9	1		
	24					2		
	24					3		
25-338-00870	25	09 26 07	-24.5	963	4	1		
	25					2		
	25					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 7

DATA TAPE 338/339
DATE 20 September 1964
ASC. NODE 11 [illegible] 22 GMT
2.88 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GMT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-339-60379	1	11 42 55	+13.9	482	38	1		
	1					2	Ireland	CUFN
	1					3	Ireland & England	Streets
2-339-60379	2	11 41 22	+12.3	496	44	1		Fibrous
	2					2		
	2					3	France, Bay of Biscay	
3-339-60379	3	11 21 39	- 7.4	794	63	1		SANDS
	3					2		
	3					3		
4-339-60379	4	11 20 08	- 8.9	817	57	1		
	4					2		
	4					3	Africa	
5-339-60379	5	11 18 37	-10.4	840	52	1		
	5					2		
	5					3	Africa	
6-339-60379	6	11 17 08	-11.8	861	47	1		
	6					2		
	6					3		
7-339-60379	7	11 15 39	-13.5	881	42	1		
	7					3		
	7					2		
8-339-60379	8	11 14 04	-15.0	899	36	1		
	8					2		
	8					3		
9-339-60379	9	11 12 33	-16.5	915	31	1		
	9					2		
	9					3		
10-339-60379	10	11 11 02	-18.0	929	26	1		
	10					2		
	10					3		
11-339-60379	11	11 09 31	-19.5	941	21	1		
	11					2	ANTARCTICA	APPARENT CLOUDS
	11					3		
12-339-60379	12	11 04 58	-24.1	982	5	1		
	12					2		
	12					3		

NIMBUS I

AVCS DATA LOG

WEATHER SURV[illegible] DESIGNATION
1964 Septem[illegible]0 Track 9

DATA ORBIT 340/341
DATE 20 September 1964
ASC. NODE 14 4[illegible]3 GT
45.33 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-342-04910	1	15 07 17	+21.4	441	8	1		BANDS Some Frontal
	1					2		
	1					3	Kilosmere I	
2-342-04910	2	15 05 46	+19.9	445	14	1		
	2					2		
	2					3		
3-342-04910	3	15 04 15	+18.4	451	20	1		
	3					2		
	3					3		
4-342-04910	4	15 02 4[illegible]	[illegible].9	459	25	1		
	4					2		
	4					3		
5-342-04910	5	15 01 13	+15.5	469	32	1		
	5					2		
	5					3		
6-342-04910	6	14 59 42	+13.8	481	38	1	St. Lawrence River & Anticosti I.	CUFM
	6					2		
	6					3		
7-342-04910	7	14 58 11	+12.3	496	44	1	Nova Scotia	
	7					2		
	7					3		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1		FRONTAL BAND
	8					2		
	8					3		
9-342-04910	9	14 55 09	+ 9.3	539	56			
	9							
	9							
10-342-04910	10	14 53 38	+ 7.8	549	61	1		CUFM Cb Streaks
	10					2		
	10					3		
11-342-04910	11	14 52 07	+ 6.[illegible]	570	67	1		
	11					2		
	11					3		
12-342-04910	12	14 50 26	+ 4.7	593	73	1		
	12					2		
	12					3		
13-342-04910	13	14 49 0[illegible]	+ 3.2	619	79	1		
	13					2		
	13					3		
14-342-04910	14	14 47 34	+ 1.7	641	83	1		
	14					2	SOUTH AMERICA Mouth of Amazon River	
	14					3		CUFM Numerous Small Cu over Land Streets
15-342-04910	15	14 46 03	+ 0.2	666	87	1		
	15					2		
	15					3		
16-342-04910	16	14 44 32	- 1.4	691	84	1		
	16					2		
	16					3		
17-342-04910	17	14 43 01	- 2.9	717	79	1		
	17					2		
	17					3		
18-342-04910	18	14 41 30	- 4.4	742	73	1		
	18					2		
	18					3		
19-342-04910	19	14 39 58	- 5.9	768	68	1		
	19					2		
	19					3		
20-342-04910	20	14 38 28	- 7.4	792	63	1		
	20					2		
	20					3		
21-342-04910	21	14 36 57	- 8.9	816	57	1		BANDS Some Frontal Eddies
	21					2		
	21					3		
22-342-04910	22	14 35 26	-10.5	839	52	1		
	22					2		
	22					3		
23-342-04910	23	14 33 55	-12.0	861	47	1		
	23					2		
	23					3		
24-342-04910	24	14 32 24	-13.5	[illegible]	41	1		
	24					2		
	24					3		
25-342-04910	25	14 30 53	-15.0	909	34	1		
	25					2		
	25					3		
26-342-04910	26	14 27 [illegible]	-18.0	939	28	1		MOSTLY CLOUD COVERED
	26					2		
	26					3		
27-342-04910	27	14 25 [illegible]	-19.6	961	22	1		
	27					2		
	27					3		
28-342-04910	28	14 24 [illegible]	-21.1	980	19	1		
	28					2	ANTARCTICA	
	28					3		
29-342-04910	29	14 22 [illegible]	-22.6	997	10	1		
	29					2		
	29					3		
30-342-04910	30	14 21 [illegible]	-24.1	1012	5	1		
	30					2		
	30					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 10

DATA ORBIT 341/342
DATE 20 September 1964
ASC. NODE 16 24 19 GT
70.93 W LONG.

CATALOG NUMBER	INDEX FRAME	GMT TIME (HT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CODE	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-342-04910	1	16 29 05	+ 4.8	592	72	1		CUFR Cb Cellular Field over Water Fibrous
	1					2		
	1					3		
2-342-04910	2	16 27 34	+ 3.3	614	78	1	SOUTH AMERICA Lake Titicaca Salt Flats Valdes Pen. Gulf of San Matias & San Jorge Falkland Is. Andes Mts., Snow Covered Paraguana Pen.	
	2					2		
	2					3		
3-342-04910	3	16 26 03	+ 1.7	639	83	1		
	3					2		
	3					3		
4-342-04910	4	16 24 32	+ 0.2	664	86	1		
	4					2		
	4					3		
5-342-04910	5	16 23 01	- 1.3	689	84	1		
	5					2		
	5					3		
6-342-04910	6	16 21 30	- 2.8	715	79	1		
	6					2		
	6					3		
7-342-04910	7	16 19 59	- 4.3	741	74	1		
	7					2		
	7					3		
8-342-04910	8	16 18 28	- 5.9	766	68	1		
	8					2		
	8					3		
9-342-04910	9	16 16 57	- 7.4	791	63	1		
	9					2		
	9					3		
10-342-04910	10	16 15 26	- 8.9	815	57	1		SAND Streaks Fibrous Large Clear Areas
	10					2		
	10					3		
11-342-04910	11	16 13 5	-10.4	836	52	1		
	11					2		
	11					3		
12-342-04910	12	16 12 24	-11.8	859	47	1		
	12					2		
	12					3		
13-342-04910	13	16 10 53	-13.4	879	42	1		
	13					2		
	13					3		
14-342-04910	14	16 09 22	-15.0	897	36	1		
	14					2		
	14					3		
15-342-04910	15	16 07 51	-16.5	914	31	1		
	15					2		
	15					3		
16-342-04910	16	16 06 20	-18.0	928	26	1		MOSTLY CLOUD COVERED
	16					2		
	16					3		
17-342-04910	17	16 04 49	-19.5	940	21	1		
	17					2		
	17					3		
18-342-04910	18	16 03 18	-21.0	950	16	1		
	18					2		
	18					3		
19-342-04910	19	16 01 47	-22.5	957	10	1		MOSTLY CLEAR
	19					2	ANTARCTICA	
	19					3		
20-342-04910	20	16 00 16	-24.1	961	5	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 11

DAY/ ORBIT 343/343
DATE 20 September 1964
ASC NODE 18 02 45 GT
93 53 W LONG

CATALOG NUMBER	INDEX FRAME	APPROX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-343-60883	1	18 13 25	+10.7	511	50	1	UNITED STATES & MEXICO	MOST CLEAR
	1					2	W Area	Some Cu
	1					3	N Platte, S Platte & Rio Grande Rivers	
2-343-60883	2	18 11 54	+ 9.2	529	56	1		Cu/Sc
	2					2		Mostly Cloud Covered
	2					3		Mostly Cloud Covered
3-343-60883	3	18 10 23	+ 7.8	549	62	1		CU/SC
	3					2		
	3					3		
4-343-60883	4	18 08 52	+ 6.1	570	67	1		CU/SC
	4					2		Some Cb
	4					3		
5-343-60883	5	18 07 21	+ 4.6	588	73	1		
	5					2		
	5					3		
6-343-60883	6	18 05 50	+ 3.1	606	78	1		
	6					2		
	6					3		
7-343-60883	7	18 04 19	+ 1.6	641	34	1		ITC
	7					2		
	7					3		
8-343-60883	8	18 02 48	+ 0.1	666	87	1		
	8					2		
	8					3		
9-343-60883	9	18 01 17	- 1.5	691	83	1		
	9					2		CU/SC
	9					3		Large Cellular Field
10-343-60883	10	17 59 46	- 3.0	717	78	1		
	10					2		
	10					3		
11-343-60883	11	17 58 15	- 4.5	743	73	1		
	11					2		
	11					3		
12-343-60883	12	17 56 44	- 6.0	768	68	1		
	12					2		
	12					3		
13-343-60883	13	17 55 13	- 7.5	793	63	1		
	13					2		
	13					3		
14-343-60883	14	17 53 42	- 9.1	819	57	1		
	14					2		
	14					3		
15-343-60883	15	17 52 11	-10.6	839	52	1		
	15					2	SOUTH AMERICA	FRONTAL ZONES
	15					3	Andes Mts., Snow Cover	Kinks
16-343-60883	16	17 50 40	-12.1	860	46	1		
	16					2		
	16					3		
17-343-60883	17	17 49 09	-13.6	880	41	1		
	17					2		
	17					3		
18-343-60883	18	17 47 38	-15.1	899	36	1		
	18					2		
	18					3		
19-343-60883	19	17 46 07	-16.6	915	31	1		
	19					2		
	19					3		
20-343-60883	20	17 44 36	-18.2	929	25	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 12

DATA ON 345/344
DATE 20 September 1964
ASC. N. 18 41 11 GT
120.14 W LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-344-60893	1	19 55 05	+13.9	479	36	1		
	1					2		BANDS
	1					3		
2-344-60893	2	19 53 34	+12.4	495	44	1		
	2					2	U.S & CANADA	
	2					3	W. Cst. Area	
3-344-60893	3	19 52 03	+10.9	508	49	1		
	3					2		
	3					3		
4-344-60893	4	19 50 32	+ 9.4	528	54	1		
	4					2		CUFM
	4					3		Cellular
5-344-60893	5	19 49 01	+ 7.8	545	61	1		Fog/St along Cst.
	5					2		
	5					3		
6-344-60893	6	19 47 30	+ 6.3	566	67	1		
	6					2		
	6					3		
7-344-60893	7	19 45 59	+ 4.8	589	72	1		CUFM
	7					2		Fibrous
	7					3		
8-344-60893	8	19 44 28	+ 3.3	612	78	1		
	8					2		ITCC
	8					3		
9-344-60893	9	19 42 57	+ 1.8	636	83	1		
	9					2		
	9					3		
10-344-60893	10	19 41 26	+ 0.3	661	88	1		
	10					2		CUFM
	10					3		Cellular
11-344-60893	11	19 39 55	- 1.3	687	84	1		Actinifors
	11					2		Fibrous
	11					3		
12-344-60893	12	19 38 24	- 2.8	713	79	1		
	12					2		
	12					3		
13-344-60893	13	19 36 53	- 4.3	739	74	1		
	13					2		
	13					3		
14-344-60893	14	19 35 22	- 5.8	764	68	1		
	14					2		
	14					3		
15-344-60893	15	19 33 51	- 7.3	789	63	1		
	15					2		
	15					3		
16-344-60893	16	19 32 20	- 8.9	813	58	1		
	16					2		FRONTAL BAND?
	16					3		Eddies
17-344-60893	17	19 30 48	-10.4	836	53	1		
	17					2		
	17					3		
18-344-60893	18	19 29 18	-11.c	857	47	1		
	18					2		
	18					3		
19-344-60893	19	19 27 47	-13.4	877	42	1		
	19					2		
	19					3		
20-344-60893	20	19 26 16	-14.9	896	36	1		
	20					2		
	20					3		
21-344-60893	21	19 24 44	-16.4	913	31	1		
	21					2		
	21					3		
22-344-60893	22	19 23 14	-18.0	927	26	1		
	22					2		
	22					3		
23-344-60893	23	19 21 43	-19.5	939	21	1		
	23					2		
	23					3		
24-344-60893	24	19 20 13	-21.0	949	16	1		
	24					2	ANTARCTICA	APPARENT CLOUDS
	24					3		
25-344-60893	25	19 18 41	-22.5	958	11	1		
	25					2		
	25					3		
26-344-60893	26	19 17 10	-24.0	981	6	1		
	26					2		
	26					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 [illegible] 13

DATA ORBIT 344/345
DATE 20 September 1964
ASC NODE 21 19 [illegible] UT
144.74 W LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-345-60890	1	21 33 36	+14.0	477	37	1		FRONTAL BANDS Vortex Vicinity 51 S
	1					2		
	1					3		
2-345-60890	2	21 32 05	+12.5	491	43	1		
	2					2		
	2					3		
3-345-60890	3	21 30 34	+11.0	507	46	1		
	3					2		
	3					3		
4-345-60890	4	21 29 03	+ 9.5	524	55	1		CBFM Cellular Large Cells Fibrous
	4					2		
	4					3		
5-345-60890	5	21 27 32	+ 7.9	544	61	1		
	5					2		
	5					3		
6-345-608[illegible]	6	21 26 01	+ 6.4	564	66	1		
	6					2		
	6					3		
7-345-60890	7	21 24 30	+ 4.9	586	72	1		
	7					2		
	7					3		
8-345-60890	8	21 22 59	+ 3.4	610	75	1		ITC
	8					2		
	8					3		
9-345-60890	9	21 21 28	+ 1.9	634	83	1		
	9					2		
	9					3		
10-345-60890	10	21 19 57	+ 0.4	659	87	1		MOSTLY CLEAR
	10					2		
	10					3		
11-345-60890	11	21 18 26	- 1.2	684	84	1		
	11					2		
	11					3		
12-345-60890	12	21 16 55	- 2.7	710	79	1		
	12					2		
	12					3		
13-345-60890	13	21 15 24	- 4.2	736	74	1	Coral Reefs	BANDS Vortex Vicinity 36 S Some Frontal Eddies Cellular Cu Streets Fibrous
	13					2	Coral Reefs	
	13					3		
14-345-60890	14	21 13 53	- 5.7	761	69	1		
	14					2		
	14					3		
15-345-60890	15	21 12 22	- 7.2	786	63	1		
	15					2		
	15					3		
16-345-60890	16	21 10 51	- 8.8	810	58	1		
	16					2		
	16					3		
17-345-60890	17	21 09 20	-10.3	833	53	1		
	17					2		
	17					3		
18-345-60890	18	21 07 49	-11.8	855	47	1		
	18					2		
	18					3		
19-345-60890	19	21 06 18	-13.3	875	42	1		
	19					2		
	19					3		
20-345-60890	20	21 04 47	-14.8	894	37	1		
	20					2		
	20					3		
21-345-60890	21	21 03 16	-16.3	911	32	1		
	21					2		
	21					3		
22-345-60890	22	21 01 45	-17.9	925	26	1		
	22					2		
	22					3		
23-345-60890	23	21 00 14	-19.4	939	21	1		
	23					2		
	23					3		
24-345-60890	24	20 58 43	-20.9	948	16	1		
	24					2	ANTARCTICA	
	24					3		

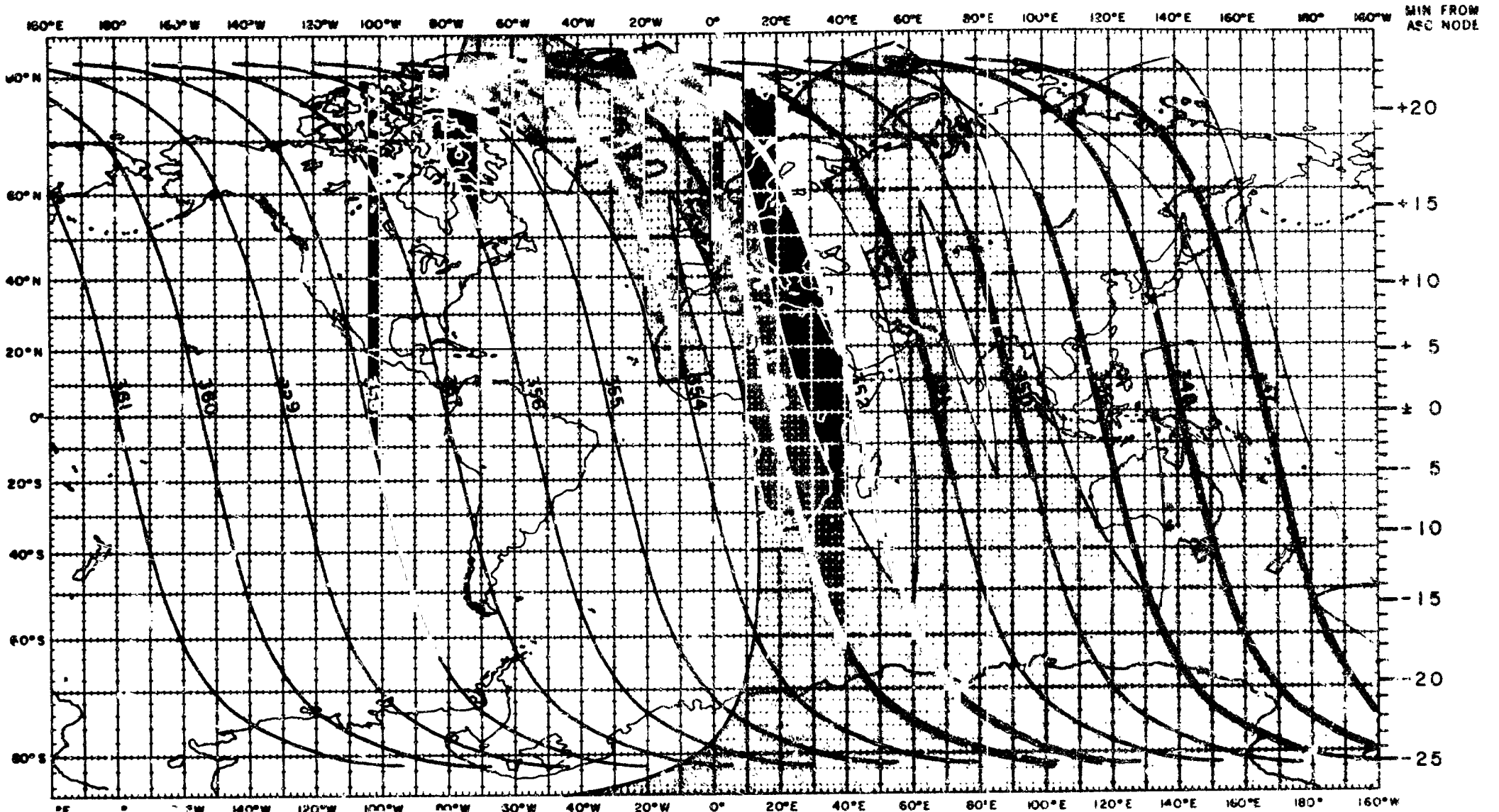
NIMBUS I DOCUMENTATION

21 September 1964

Orbits 346 through 361

AVCS DAILY COVERAGE MAP

21 SEPTEMBER 1964
ORBITS 346 TO 361

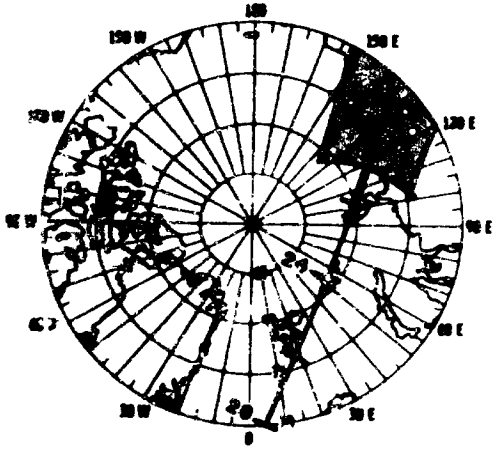


POLAR COVERAGE MAPS

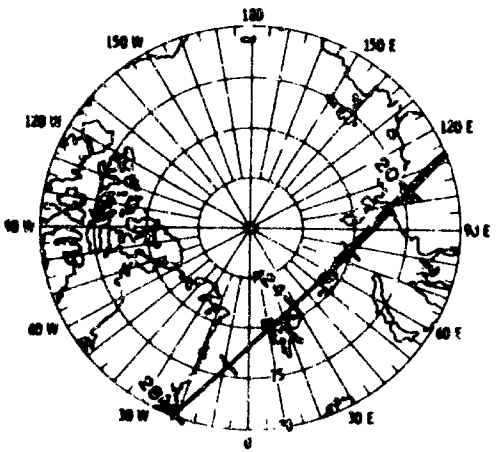
21 SEPTEMBER 1964

NORTH POLAR REGIONS

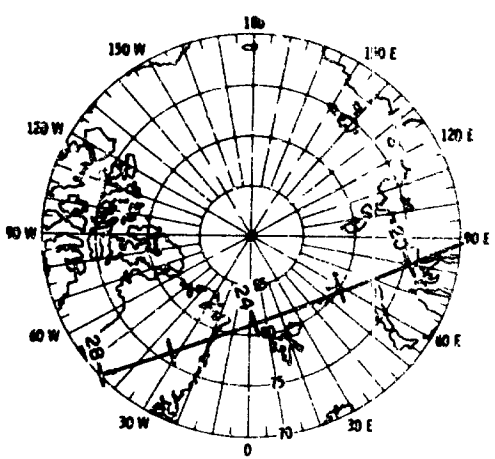
DATA ORBIT 347



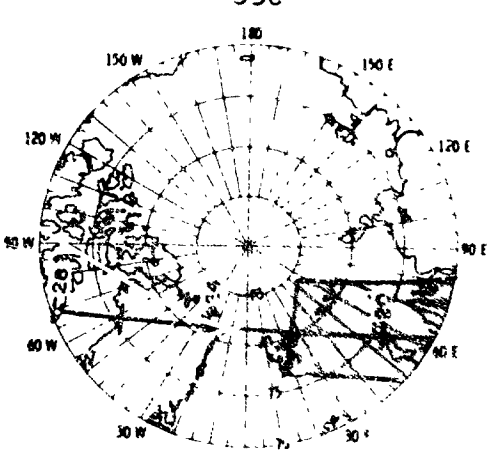
DATA ORBIT 348



DATA ORBIT 349

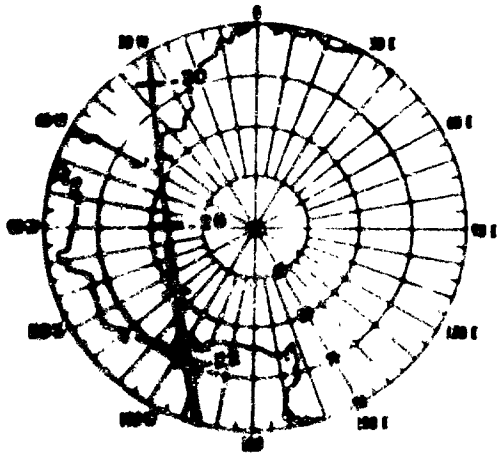


DATA ORBIT 350

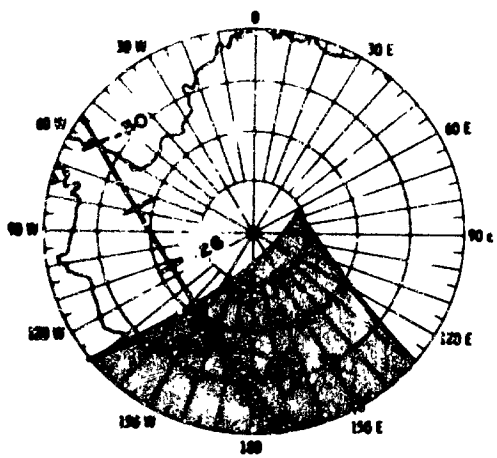


SOUTH POLAR REGIONS

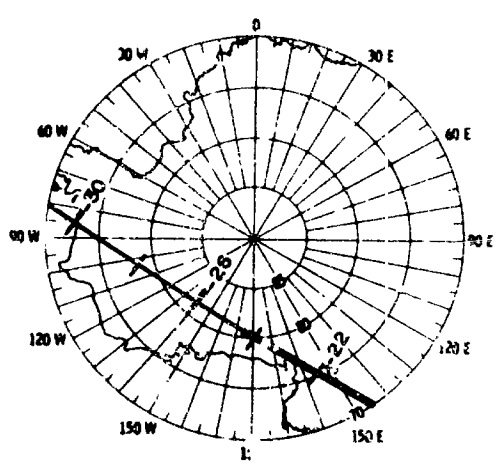
DATA ORBIT 346



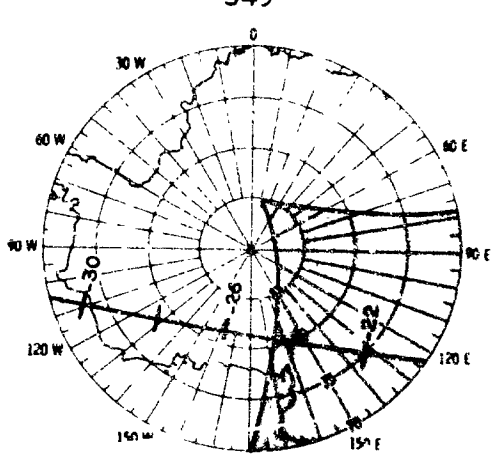
DATA ORBIT 347



DATA ORBIT 348



DATA ORBIT 349

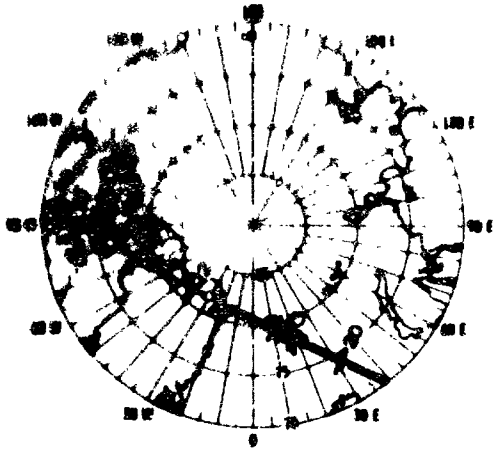


POLAR COVERAGE MAPS

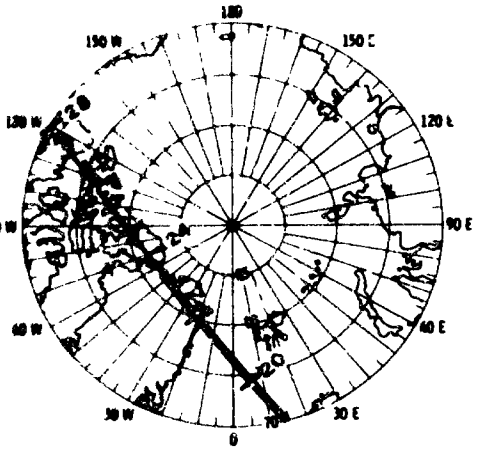
21 SEPTEMBER 1964

NORTH POLAR REGIONS

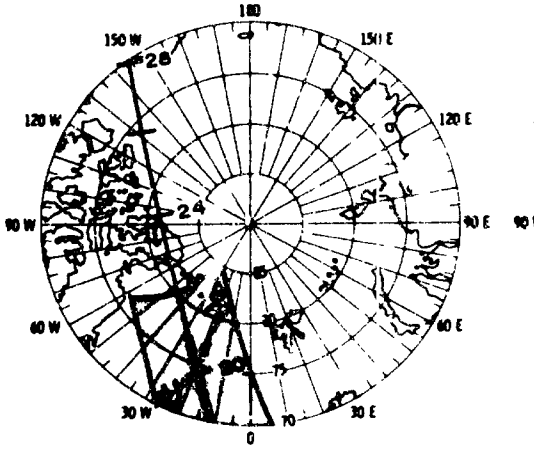
DATA ORBIT 351



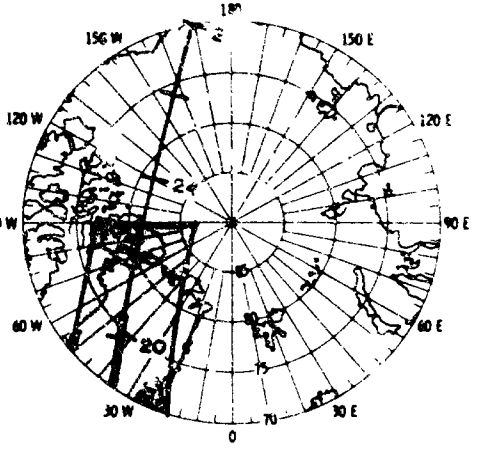
DATA ORBIT 352



DATA ORBIT 353

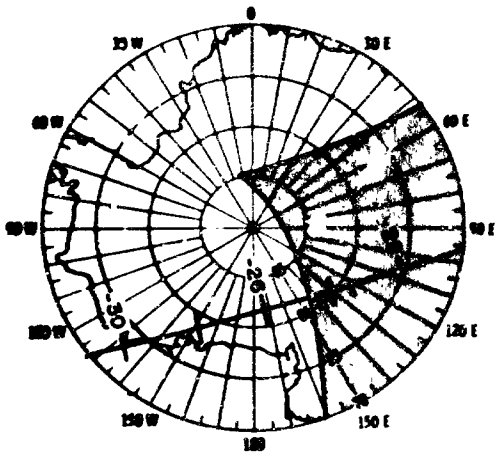


DATA ORBIT 354

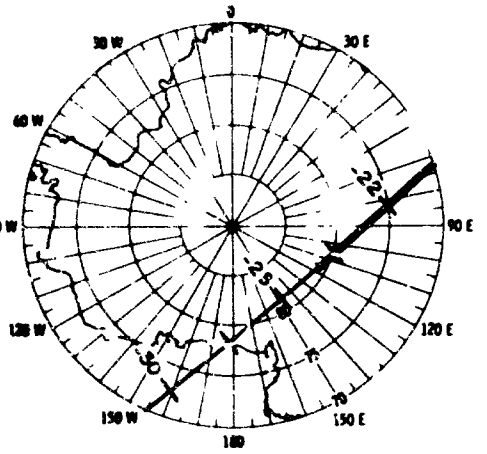


SOUTH POLAR REGIONS

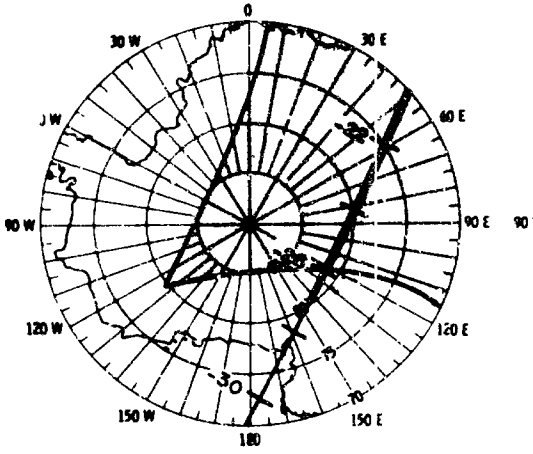
DATA ORBIT 350



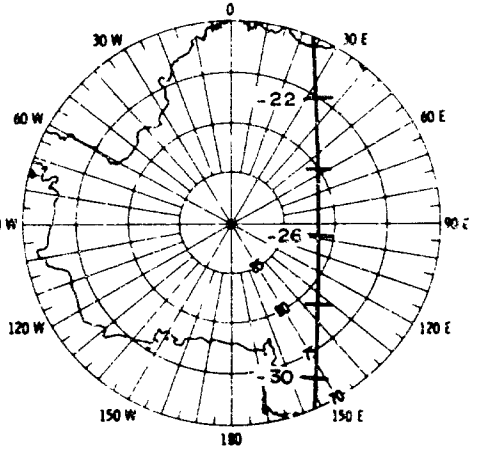
DATA ORBIT 351



DATA ORBIT 352



DATA ORBIT 353

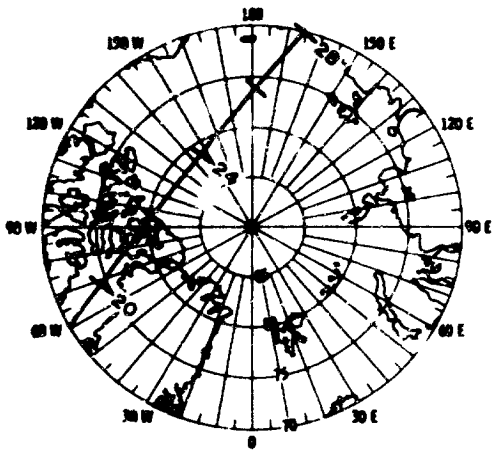


POLAR COVERAGE MAPS

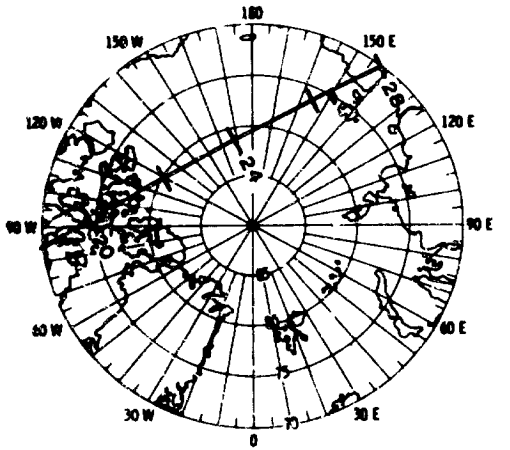
21 SEPTEMBER 1964

NORTH POLAR REGIONS

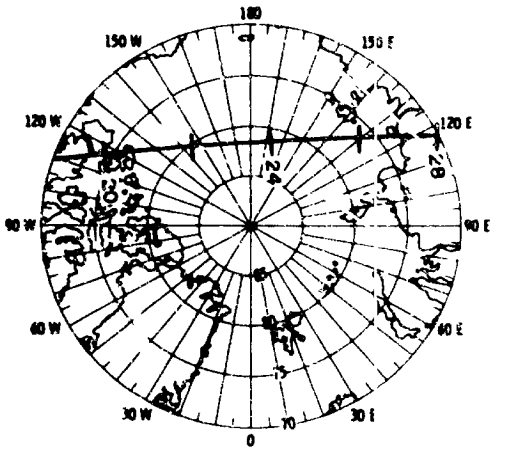
DATA ORBIT 355



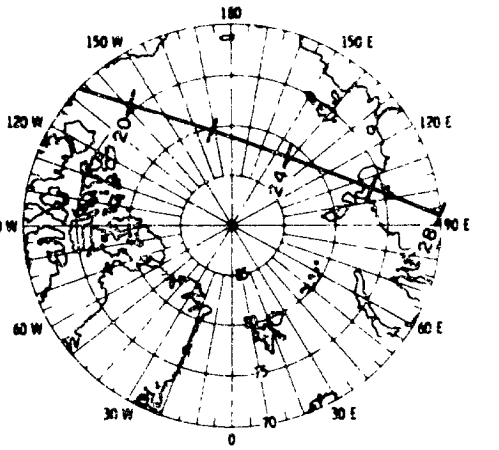
DATA ORBIT 356



DATA ORBIT 357

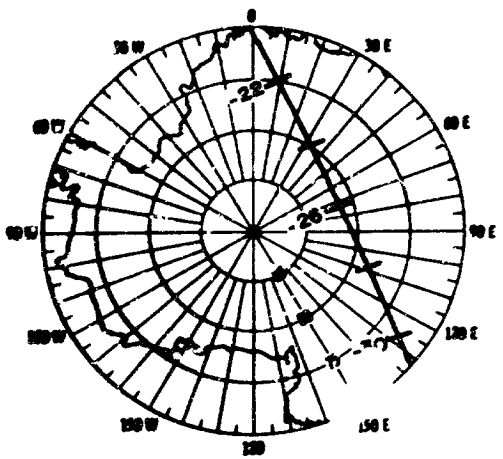


DATA ORBIT 358

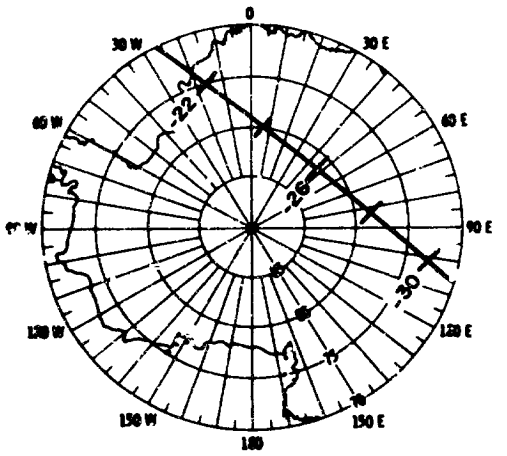


SOUTH POLAR REGIONS

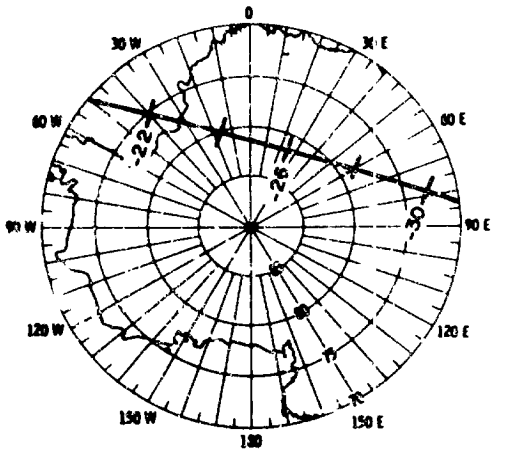
DATA ORBIT 354



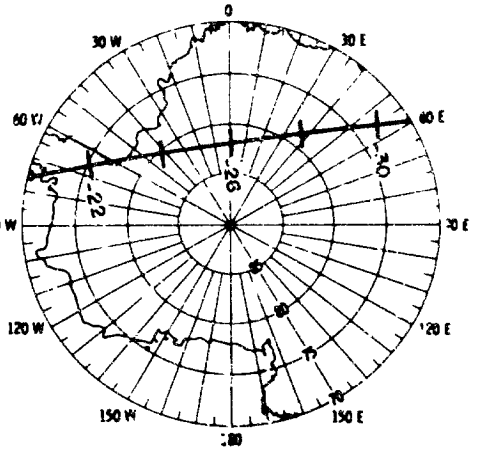
DATA ORBIT 355



DATA ORBIT 356



DATA ORBIT 357

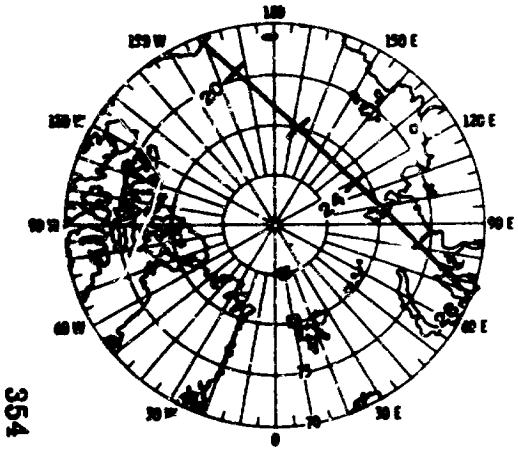


POLAR COVERAGE MAPS

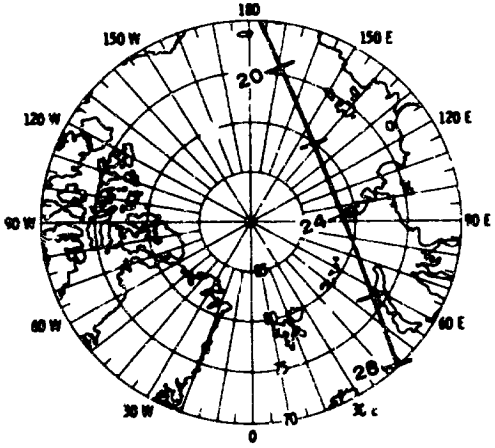
21 SEPTEMBER 1964

NORTH POLAR REGIONS

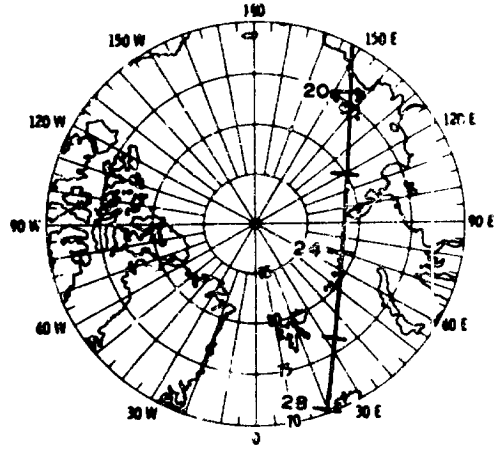
DATA ORBIT
359



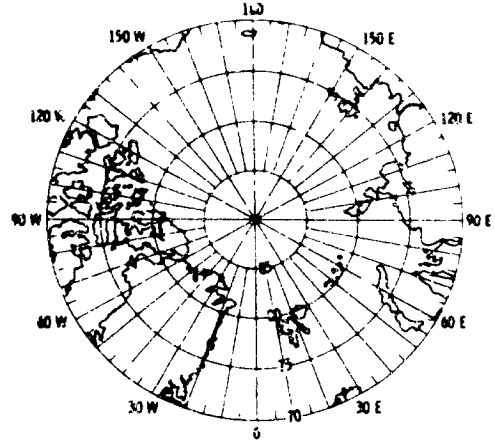
DATA ORBIT
360



DATA ORBIT
361

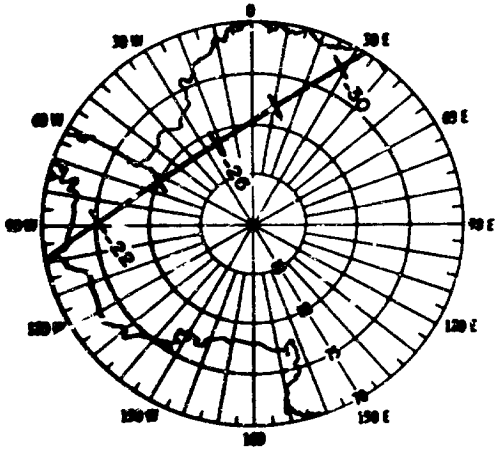


DATA ORBIT

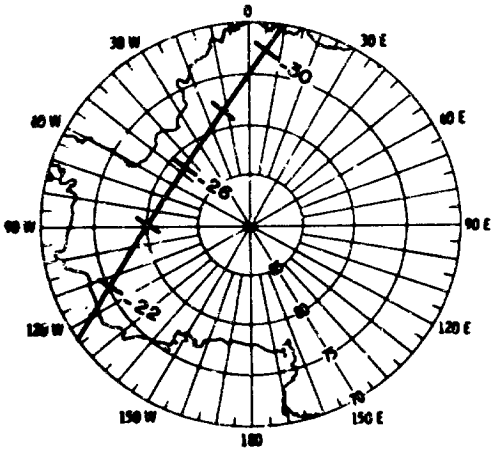


SOUTH POLAR REGIONS

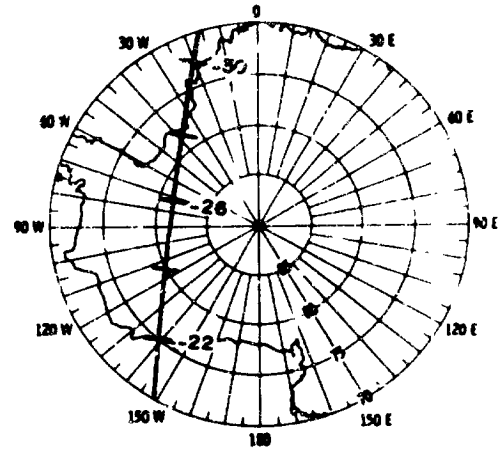
DATA ORBIT
358



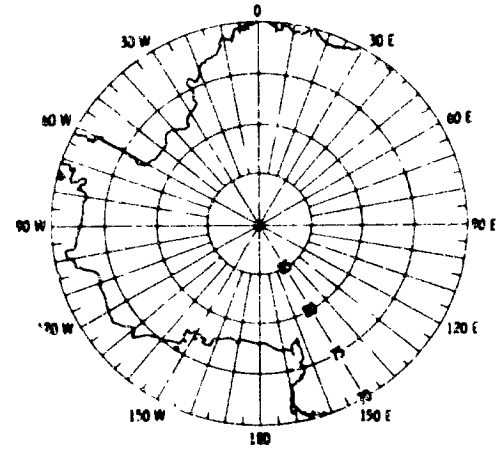
DATA ORBIT
359



DATA ORBIT
360



DATA ORBIT



NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 20 Track 15

DATA ORBIT 346/347
DATE 21 September 1964
ASC. NODE 09 34 28 GMT
164.04 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONDITIONS
1-349-04933	1	00 57 29	+21.0	441	10	1		
	1					2	Arctic Ice	MOSTLY CLOUD COVERED
	1					3	Arctic Ice	Bands
2-349-04933	2	00 55 58	+19.5	445	16	1		Some Thin Clouds
	2					2		
	2					3	New Siberian Is.	
3-349-04933	3	00 54 27	+18.0	451	21	1		
	3					2		
	3					3		
4-349-04933	4	00 6	+16.5	458	27	1		
	4					2	SNOW COVERED [illegible]	
	4					3		
5-349-04933	5	00 51 25	+15.0	469	33	1		
	5					2		BANDS
	5					3	Kamchatka	Mostly Cloud Covered
6-349-04933	6	00 49 54	+13.4	481	39	1		
	6					2		
	6					3	Kamchatka	
7-349-04933	7	00 48 23	+11.9	495	45	1		
	7					2		
	7					3		
8-349-04933	8	00 46 52	+10.4	512	51	1		
	8					2		
	8					3		
9-349-04933	9	00 45 21	+ 8.9	530	57	1		
	9					2		CUSH
	9					3		
10-349-04933	10	00 43 50	+ 7.4	549	63	1		
	10					2		
	10					3		
11-349-04933	11	00 42 19	+ 5.9	571	68	1		
	11					2		
	11					3		
12-350-04978	12	00 40 48	+ 4.3	593	74	1		
	12					2		
	12					3		
13-350-04978	13	00 39 17	+ 2.8	617	79	1		
	13					2		STORM AREA
	13					3		
14-350-04978	14	00 37 46	+ 1.3	641	84	1		
	14					2		
	14					3		
15-350-04978	15	00 36 15	- 0.2	669	86	1		
	15					2		CUSH
	15					3		Fibrous
16-350-04978	16	00 34 44	- 1.7	692	83	1		
	16					2		
	16					3		
17-350-04978	17	00 33 13	- 3.3	718	78	1		
	17					2		BANDS
	17					3		Some Frontal
18-350-04978	18	00 31 42	- 4.8	743	72	1		Eddies
	18					2		Cellular
	18					3	Fiji Is.	Streets
19-350-04978	19	00 30 11	- 6.3	769	67	1	New Caledonia	Streaks
	19					2		Fibrous
	19					3		
20-350-04978	20	00 28 40	- 7.8	793	61	1		
	20					2		
	20					3		
21-350-04978	21	00 27 08	- 9.3	817	56	1		
	21					2	NEW ZEALAND	
	21					3		
22-350-04978	22	00 25 38	-10.8	840	51	1		
	22					2		
	22					3		
23-350-04978	23	00 24 07	-12.4	861	45	1		
	23					2		
	23					3		
24-350-04978	24	00 22 36	-13.9	881	40	1		
	24					2		
	24					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 21 Track 1

DATA ORBIT 347/348
DATE 21 September 1964
ASC. NODE 02 14 54 GT
141 45 E LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-349-04833	1	02 19 43	+ 4.6	585	72	1		TYPHOON WILDA E. Edge
	1					2		
	1					3		
2-349-04833	2	02 18 12	+ 3.3	602	76	1		STORM AREAS
	2					2		
	2					3		
3-349-04833	3	02 16 41	+ 1.8	632	80	1		
	3					2		
	3					3		
4-349-04833	4	02 15 10	+ 0.3	657	87	1		
	4					2	NEW GUINEA	
	4					3		
5-349-04833	5	02 13 38	- 1.3	683	84	1		CUMN Some Cb Streaks
	5					2		
	5					3		
6-349-04833	6	02 12 08	- 2.8	709	79	1		
	6					2		
	6					3		
7-349-04833	7	02 10 37	- 4.3	734	74	1		
	7					2	AUSTRALIA	MOSTLY CLEAR Some Cu
	7					3		
8-349-04833	8	02 09 06	- 5.8	760	69	1		
	8					2		
	8					3		
9-349-04833	9	02 07 35	- 7.3	785	63	1		
	9					2		
	9					3		
10-349-04833	10	02 06 04	- 8.8	809	58	1		
	10					2		FRONTAL BANDS Vortex Vicinity 64 S Eddies Cellular Cu Streaks
	10					3		
11-349-04833	11	02 04 33	-10.4	832	52	1		
	11					2		
	11					3		
12-349-04833	12	02 03 02	-11.9	854	47	1	Tasmania	
	12					2		
	12					3		
13-349-04833	13	02 01 31	-13.4	874	42	1		
	13					2		
	13					3		
14-349-04833	14	02 00 00	-14.9	893	37	1		
	14					2		
	14					3		
15-349-04833	15	01 58 29	-16.4	910	..	1		
	15					2		
	15					3		
16-349-04833	16	01 56 58	-17.9	926	26	1		
	16					2		
	16					3		
17-349-04833	17	01 55 27	-19.5	937	21	1		
	17					2	ANTARCTICA	
	17					3		
18-349-04833	18	01 53 56	-21.0	948	16	1		
	18					2		TRIP CLOUDS Apparent Vortex
	18					3		
19-349-04833	19	01 52 26	-22.5	956	11	1		
	19					2		
	19					3		
20-349-04833	20	01 50 56	-24.0	961	6	1		
	20					2		
	20					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
196 September 21 Track 3

DATA ORBIT 349/350
DATE 21 September 1964
ASC NODE 05 31 45 GT
92 23 8 LONG.

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MM FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-350-04978	1	05 53 26	+21.7	440	7	1		
	1					2		BANDS
	1					3		
2-350-04978	2	05 51 55	+20.	442	13	1		
	2					2		
	2					3		
3-350-04978	3	05 50 24	+18.7	447	19	1		
	3					2		
	3					3		
4-350-04978	4	05 48 53	+17.1	454	25	1		
	4					2		
	4					3		
5-350-04978	5	05 47 22	+15.6	463	31	1		
	5					2		MOSTLY CLEAR
	5					3		Some Cu
6-350-04978	6	05 45 [illegible]	+14.1	474	37	1		
	6					2		
	6					3		
7-350-04978	7	05 44 20	+12.6	487	43	1	Lake Baikhash	
	7					2	Lake Baikhash	
	7					3	Lake Sayzan	
8-350-04978	8	05 42 49	+11.1	502	48	1	Lake Issyk	
	8					2		
	8					3	Lake Bagracn	
9-350-04978	9	05 41 18	+ 9.6	519	54	1		
	9					2	TIBET	CUMN
	9					3	Himalaya Mts., Snow Covered	Some Cb
10-350-04978	10	05 39 47	+ 8.0	538	60	1	Numerous Lakes	
	10					2		
	10					3		
11-350-04978	11	05 38 16	+ 6.5	559	66	1		
	11					2		
	11					3		
12-350-04978	12	05 36 45	+ 5.0	580	71	1		
	12					2		STORM AREA
	12					3		
13-350-04978	13	05 35 14	+ 3.5	604	77	1		
	13					2		
	13					3		
14-350-04978	14	05 33 43	+ 2.0	628	82	1		
	14					2		CUFN & CIFR
	14					3		
15-350-04978	15	05 32 12	+ 0.5	652	86	1		
	15					2		STORM AREA
	15					3		
16-350-04978	16	05 30 41	- 1.1	678	85	1		
	16					2		
	16					3		
17-350-04978	17	05 29 10	- 2.6	704	90	1		
	17					2		CUFN
	17					3		Fibrous
18-350-04978	18	05 27 39	- 4.1	729	75	1		Streaks
	18					2		
	18					3		
19-350-04978	19	05 26 08	- 5.6	756	92	1		
	19					2		BANDS
	19					3		Some Frontal
20-350-04978	20	05 24 37	- 7.1	780	94	1		Eddies
	20					2		Large Cellular Field
	20					3		
21-350-04978	21	05 23 06	- 8.7	805	98	1		
	21					2		
	21					3		
22-350-04978	22	05 21 35	-10.2	835	93	1		
	22					2		
	22					3		
23-350-04978	23	05 20 04	-11.7	860	98	1		
	23					2		
	23					3		
24-350-04978	24	05 18 33	-13.2	871	43	1		
	24					2		
	24					3		
25-350-04978	25	05 17 02	-14.7	880	37	1		
	25					2		
	25					3		
26-350-04978	26	05 15 31	-16.2	907	32	1		
	26					2		
	26					3		
27-350-04978	27	05 14 00	-17.6	922	27	1		
	27					2		
	27					3		
28-350-04978	28	05 12 30	-19.2	939	22	1		
	28					2	ANTARCTICA	ANTARCTIC CLOUDS
	28					3		
29-350-04978	29	05 10 58	-20.8	948	17	1		
	29					2		
	29					3		
30-350-04978	30	05 09 27	-22.3	954	11	1		
	30					2		
	30					3		
31-350-04978	31	05 07 56	-23.8	958	6	1		
	31					2		
	31					3		

NIMBUS 3

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September Track 4

DATA ORBIT 350/351
DATE 21 September 1964
ASC NODE 07 10 11 GMT
67 64 E Long

CATALOG NUMBER	INDEX FRAME	MODEL TIME (GMT)	MM FROM ASC NODE	HEIGHT (Km)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-352-60901	1	07 27 11	+17.0	454	25	1		
	1					2		BANDS
	1					3		Some Frontal
2-352-60901	2	07 25 40	+15.4	463	31	1		
	2					2		
	2					3		
3-352-60901	3	07 24 09	+14.0	474	37	1	Volg. River	
	3					2		
	3					3		
4-352-60901	4	07 22 38	+12.5	488	43	1		
	4					2		
	4					3	Aral Sea	
5-352-60901	5	07 21 07	+10.9	503	49	1	Caspian Sea	
	5					2		MOSTLY CLEAR
	5					3	Aral Sea & Amu River	
6-352-60901	6	07 19 36	+ 9.4	520	55	1		
	6					2		
	6					3	Murgab River	
7-352-60901	7	07 18 05	+ 7.9	539	60	1	Strait of Hormuz	
	7					2		
	7					3		
8-352-60901	8	07 16 34	+ 6.4	560	66	1	Gulf of Oman	
	8					2	Gulf of Oman	
	8					3		
9-352-60901	9	07 15 03	+ 4.9	582	72	1	Muscat Cst.	
	9					2		CU/Ci & STR
	9					3		Some Ci
10-352-60901	10	07 13 32	+ 3.3	605	77	1		Fibrous
	10					2		Large Open Areas
	10					3		
11-352-60901	11	07 12 01	+ 1.8	629	83	1		
	11					2		
	11					3		
12-352-60901	12	07 10 30	+ 0.3	654	85	1		
	12					2		
	12					3		
13-352-60901	13	07 08 59	- 1.2	[illegible]	84	1		
	13					2		STORM AREA
	13					3		
14-352-60901	14	07 07 28	- 2.7	706	79	1		
	14					2		
	14					3		
15-352-60901	15	17 05 57	- 4.2	731	74	1		
	15					2		CUFR
	15					3		Large Cells
16-352-60901	16	07 04 26	- 5.8	756	69	1		Fibrous
	16					2		
	16					3		
17-352-60901	17	07 02 55	- 7.3	781	63	1		
	17					2		
	17					3		
18-352-60901	18	07 01 24	- 8.8	806	58	1		
	18					2		BANDS
	18					3		Eddies
19-352-60901	19	06 59 53	-10.3	830	53	1		Cellular
	19					2		Streaks
	19					3		
20-352-60901	20	06 58 22	-11.8	851	47	1		
	20					2		
	20					3		
21-352-60901	21	06 56 51	-13.3	872	42	1		
	21					2		
	21					3		
22-352-60901	22	06 55 20	-14.9	891	37	1		
	22					2		
	22					3		
23-352-60901	23	06 53 49	-16.4	908	33	1		
	23					2		
	23					3		
24-352-60901	24	06 52 18	-17.8	925	28	1		
	24					2		
	24					3		
25-352-60901	25	06 50 47	-19.4	936	24	1		
	25					2	ANTARCTICA	APPARENT CLOUDS
	25					3		
26-352-60901	26	06 49 16	-20.9	948	18	1		
	26					2		
	26					3		
27-352-60901	27	06 47 45	-22.4	964	11	1		
	27					2		
	27					3		
28-352-60901	28	06 46 14	-24.0	980	6	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 21 Track 6

DAY: ORBIT 352/353
DATE 21 Sept-Sept 1964
ASC NODE 20 27 03 GT
18 44 E LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-353-60910	1	10 49 4[illegible]	+21 7	440	7	1	GREENLAND	THIN BANDS
						2	% Cat	
	1					3	[illegible]ce Cap	
2-353-60910	2	10 47 16	+20 2	442	7	1	Fiords	
	2					2		
	2					3		
3-353-60910	3	10 45 45	+18 7	446	1	1		[illegible]TLY CUFM
	3					2		Some Bands
	3							
4-353-60910	4	10 44 14	+17 2	45[illegible]	[illegible]3			
	4					2		
	4					3		
5-353-60910	5	10 42 43	+15 7	461	30	1		
	5					2		
	5					3		
6-353-60910	6	10 [illegible]12	+14 2	472	36	1		
	6					2		
	6							
7-353-60910	7	10 39 4[illegible]	+12.6	485	42		France	
	7							
	7							
8-353-60910	8	10 38 10	+11 1	500	48	1	Spain	
	8					2	Corsica & Sardinia	CUFM
	8					3	Italy	Large Open Areas
[illegible]-353-60910	9	10 36 39	+ 9 6	517	54	1	Atlas Mts	
	9					2	Tunisia	
	9					3	Sicily & Malta	
10-353-60910	10	10 35 08	+ 8 1	535	60	1		
	10					2	AFRICA	MOSTLY CLE[illegible]
	10					3	Sahara	
11-353-60910	11	10 33 37	+ 6 6	555	67	1	Lake Kariba	
	11					2	Okavango Swamps	
	11					3	Congo, Zambezi, Cuito & Cuando Rivers	
12-353-60910	12	10 32 06	+ 5.1	577	71	1		
	12					2		
	12					3		
13-353-60910	13	10 30 35	+ 5	600	77	1		
	13					2		
	13					3		
14-353-60910	14	10 29 04	+ 2.0	624	82	1		
	14					2		CUFM
	14					3		Some C[illegible]
15-353-60910	15	10 27 33	+ 0.5	649	86	1		Stree[illegible]
	15					2		Streaks
	15					3		Fibrous
16-353-60910	16	10 26 02	- 1 0	674	89	1		
	16					2		
	16					3		
17-353-60910	17	10 24 31	- 2.5	700	80	1		
	17					2		
	17					3		
18-353-60910	18	10 23 00	- 4 1	726	75	1		MOSTLY CLEAR
	18					2		Some Cu
	18					3		
19-353-60910	19	10 21 29	- 5 5	751	69	1		
	19					2		
	19					3		
20-353-60910	20	10 19 58	- 7.1	777	64	1		
	20					2		
	20					3		
21-353-60910	21	10 18 27	- 8.6	801	59	1		
	21					2		
	21					3		
22-353-60910	22	10 16 5[illegible]	-10 1	825	53	1		FRONTAL BANDS
	22					2		Eddies
	22					3		
23-353-60910	23	[illegible] 19 25	-11.6	847	48	1		
	23					2		
	23					3		
24-353-60910	24	10 13 54	-13.2	868	43	1		
	24					2		
	24					3		
25-353-60910	25	10 12 23	-14.7	887	38	1		
	25					2		
	25					3		
26-353-60910	26	10 10 52	-16.2	905	33	1		
	26					2		
	26					3		
27-353-60910	27	10 09 21	-17.7	920	27	1		
	27					2		MOSTLY CLOUD COVERED
	27					3		
28-353-60910	28	10 07 50	-19.2	933	22	1		
	28					2	ANTARCTICA	
	28					3		
29-353-60910	29	10 06 19	-20.7	944	17	1		
	29					2		
	29					3		
30-353-60910	30	10 04 48	-22.3	953	11	1		
	30					2		
	30					3		
31-353-60910	31	10 03 17	-23.8	959	6	1		
	31					2		APPARENT CLOUDS
	31					3		
32-353-60910	32	10 01 46	-25.3	963	1	1		
	32					2		
	32					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 21 Track 7

DATA ORBIT ___ 1/354
DATE 21 September 1964
ASC NODE 12 28 GT
5 16 W LONG

CATALOG NUMBER	INDEX FRAME	INDEX TIME (GT)	MIN FROM ASC NODE	WEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-354-60915	1	12 27 43	+22.3	440	5	1		
	1					2	GREENLAND	APPARENT CLOUDS
	1					3	Ice Cap	
2-354-60915	2	12 26 18	+20.7	441	11	1	Fiords	
	2					2		
	2					3		
3-354-60915	3	12 24 41	+19.2	444	17	1		
	3					2		
	3					3		
4-354-60915	4	12 23 30	+17.7	450	23	1		
	4					2		FRONTAL BANDS
	4					3		
5-354-60915	5	12 21 39	+16.2	459	28	1		
	5					2		
	5					3		
6-354-60915	6	12 20 08	+14.7	469	34	1		
	6					2		
	6					3		
7-354-60915	7	12 18 37	+13.2	480	40	1		
	7					2		
	7					3		
8-354-60915	8	12 17 06	+11.6	494	46	1		
	8					2		
	8					3		
9-354-60915	9	12 15 35	+10.1	510	52	1		
	9					2		CLOUD
	9					3	Portugal	
10-354-60915	10	12 14 04	+ 8.6	528	58	1		
	10					2	AFRICA	
	10					3	W. Cst. Area	
11-354-60915	11	12 12 33	+ 7.1	548	63	1		
	11					2		APPARENTLY MOSTLY CLEAR
	11					3		
12-354-60915	12	12 11 02	+ 5.6	569	69	1		
	12					2		
	12					3		
13-354-60915	13	12 09 31	+ 4.1	591	75	1		
	13					2		
	13					3		

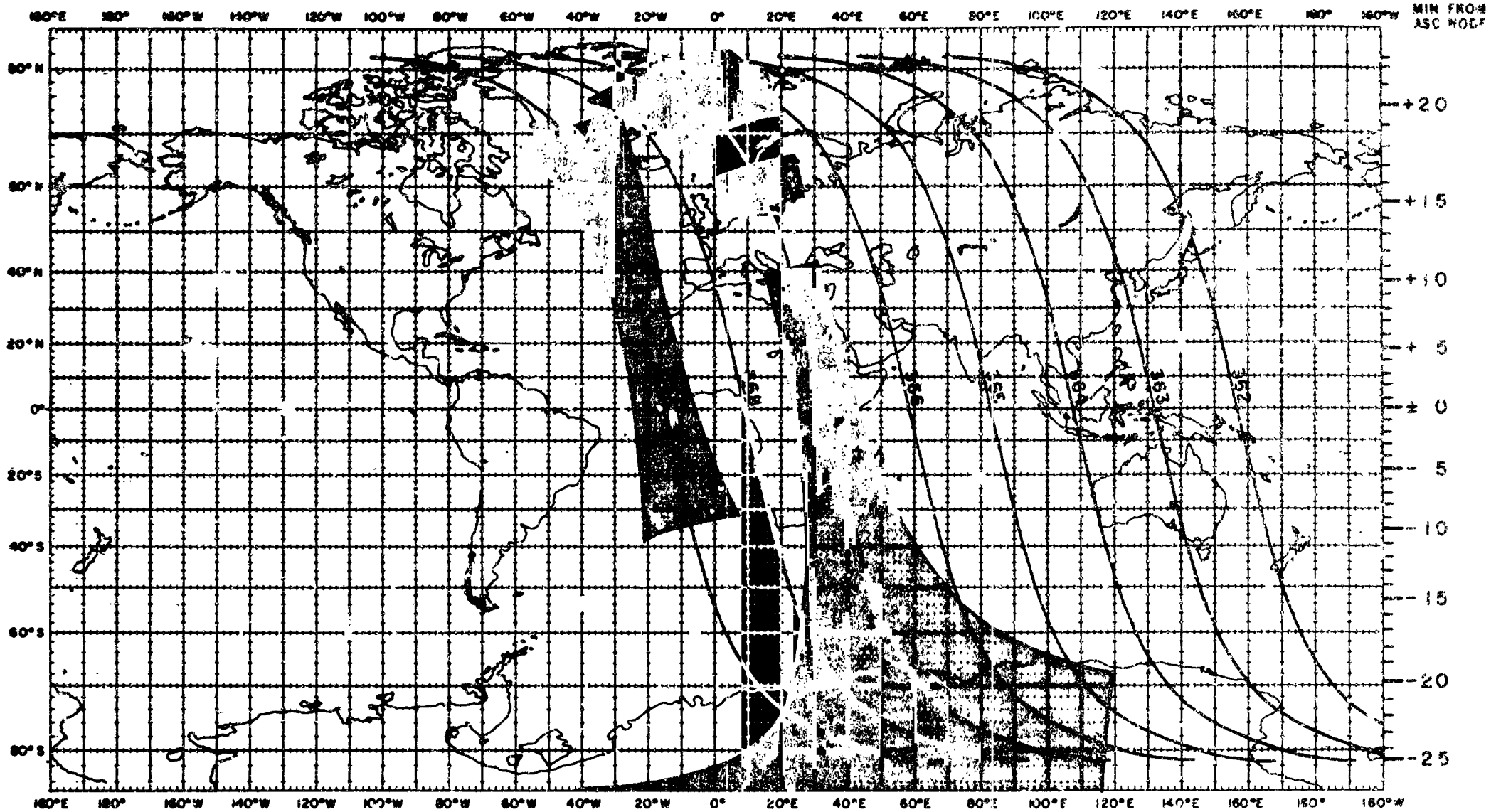
NIMBUS I DOCUMENTATION

22 September 1964

Orbits 361 through 369

AVCS DAILY COVERAGE MAP

22 SEPTEMBER 1964
ORBITS 361 TO 369

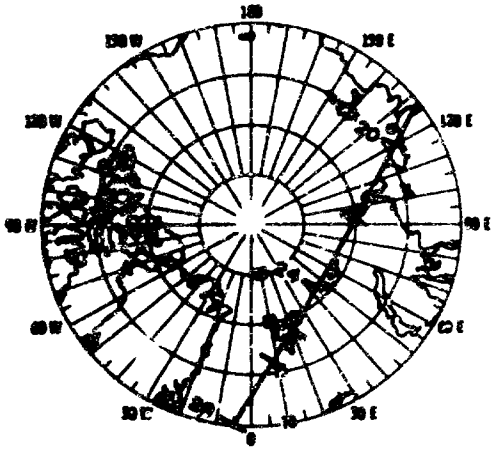


POLAR COVERAGE MAPS

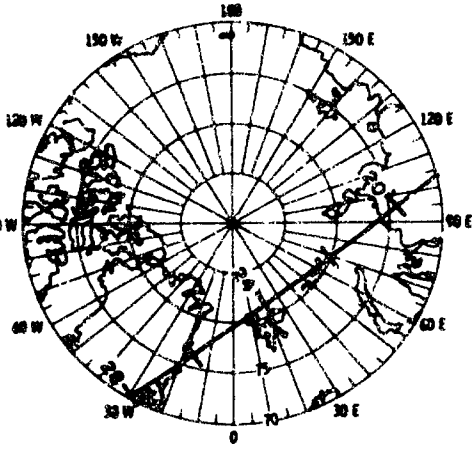
22 SEPTEMBER 1964

NORTH POLAR REGIONS

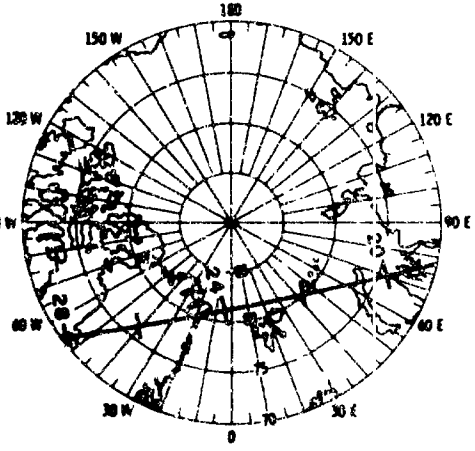
DATA ORBIT 362



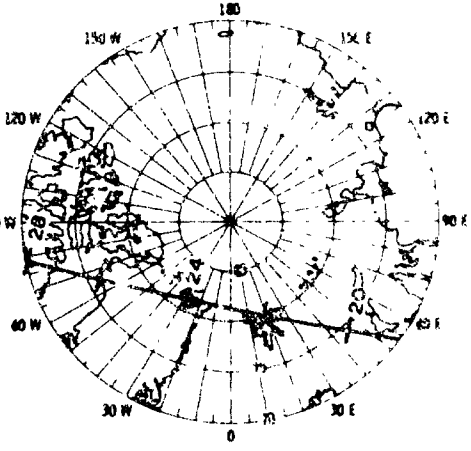
DATA ORBIT 363



DATA ORBIT 364

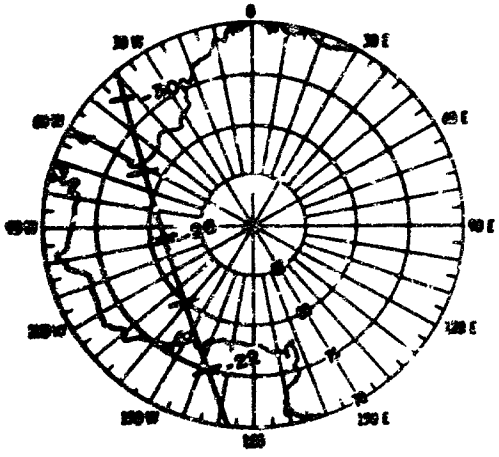


DATA ORBIT 365

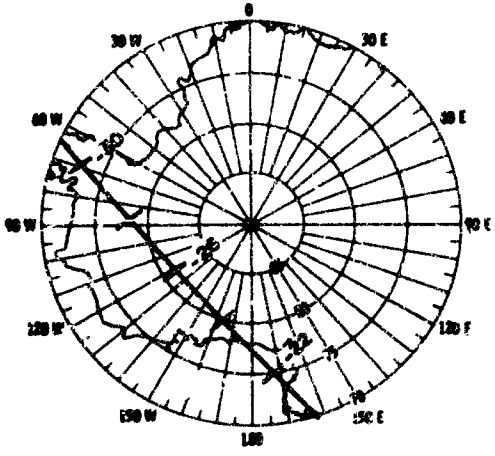


SOUTH POLAR REGIONS

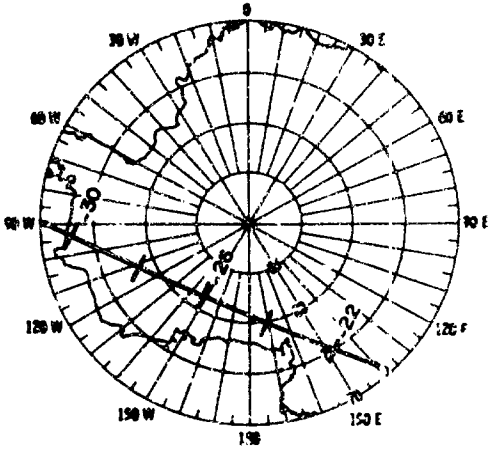
DATA ORBIT 361



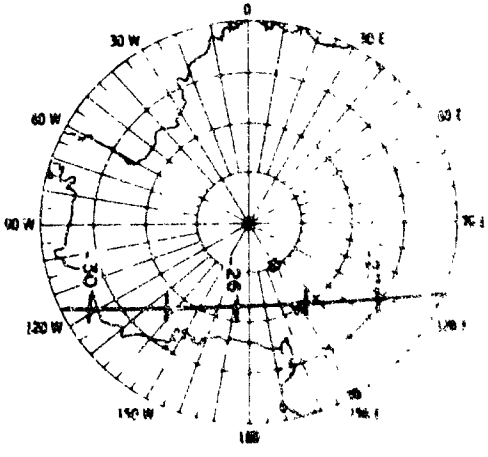
DATA ORBIT 362



DATA ORBIT 363



DATA ORBIT 364

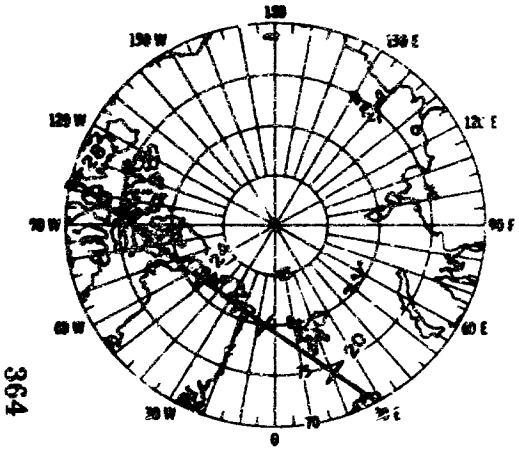


POLAR COVERAGE MAPS

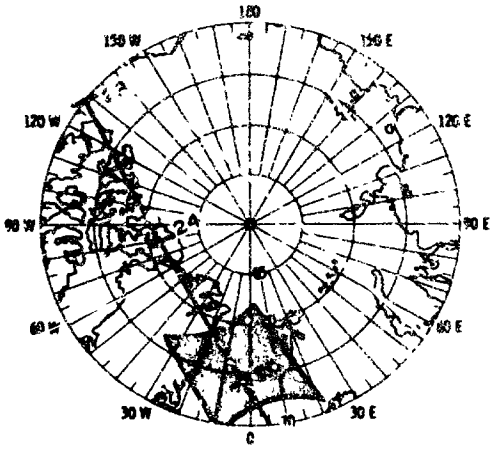
22 SEPTEMBER 1964

NORTH POLAR REGIONS

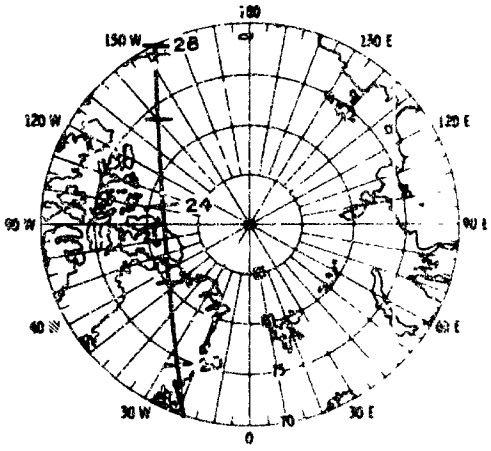
DATA ORBIT 366



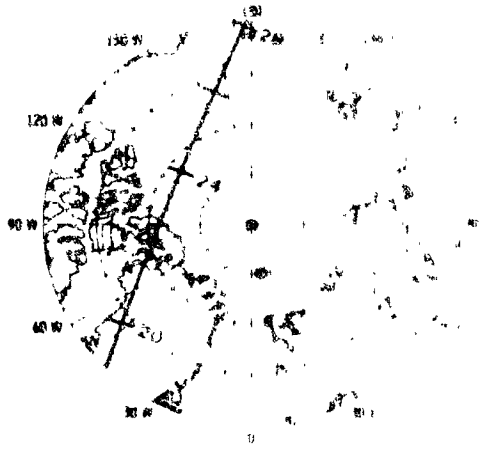
DATA ORBIT 367



DATA ORBIT 368

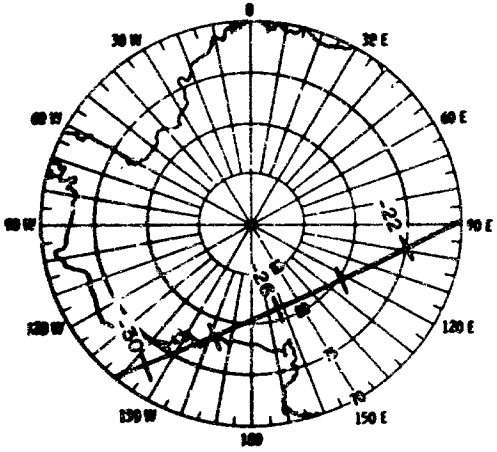


DATA ORBIT 369

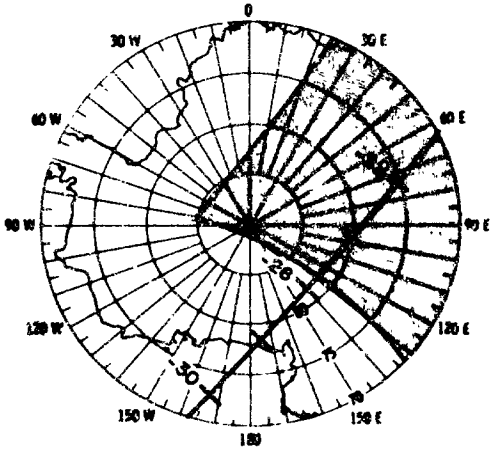


SOUTH POLAR REGIONS

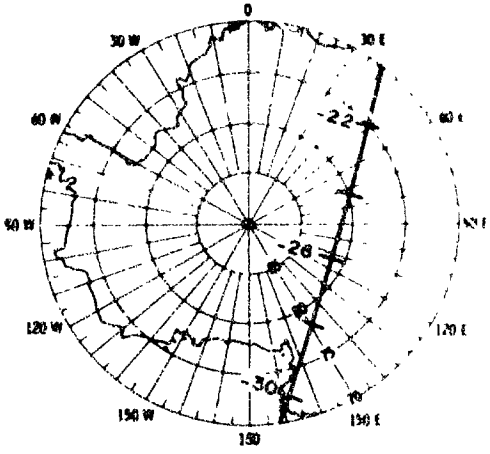
DATA ORBIT 365



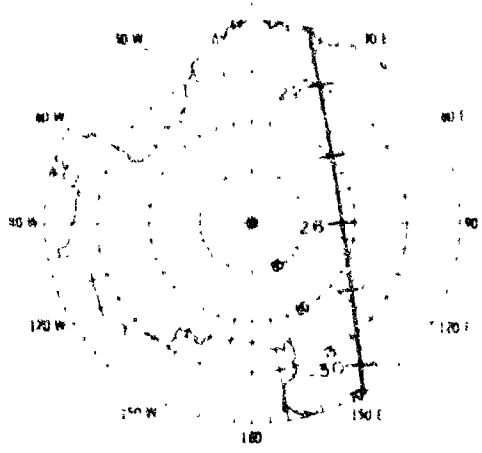
DATA ORBIT 366



DATA ORBIT 367



DATA ORBIT 368



NIMBUS I

AVCS DATA LOG

TAPE/TAPE SEG ID DESIGNATION
1964 September 22 Track 2

DATA ORIG: 396,367
DATE: 22 September 1964
ASC NODE: 09 25 02 GT
34.00 E LONG

CATALOG NUMBER	INDEX FRAME	SHOT TIME (GT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-367-60926	1	09 43 06	+21.1	440	3	1	Greenland	
	1					2	Greenland	MOSTLY CLEAR
	1					3		
2-367-60926	2	09 46 37	+19.6	461	15	1		
	2					2		BANDS
	2					3		Some Frontal
3-367-60926	3	09 41 35	+16.5	451	27	1		
	3					2	Lakes in Sweden	
	3					3	Gulf of Bothnia	
4-367-60926	4	09 40 04	+15.0	459	32	1	Sweden & Bornholm	
	4					2	Sweden, Oland & Gotland Is	
	4					3	Gulf of Riga	
5-367-60926	5	09 43 31	+10.5	496	50	1	Italy & Greece	
	5					2		
	5					3	Turkey	
6-367-60926	6	09 34 00	+ 9.0	514	56	1	Libya Cst	
	6					2		APPARENTLY MOSTLY CLEAR
	6					3	Cyprus	Some Cu
7-367-60926	7	09 32 29	+ 7.4	533	62	1		
	7					2	AFRICA	
	7					3	Madagascar	
8-367-60926	8	09 30 58	+ 5.9	553	67	1	Sinai Pen.	
	8					2	Red Sea	
	8					3	Nile, Zambesi & Ruvuma Rivers	
9-367-60926	9	09 29 27	+ 4.4	575	73	1	Lakes Tanganyika, Nyasa & Tana	
	9					2		
	9					3		
10-367-60926	10	09 27 56	+ 2.9	598	78	1		
	10					2		CUFH
	10					3		Cellular
11-367-60926	11	09 26 25	+ 1.4	623	84	1		Lines of Small Cu
	11					2		
	11					3		
12-367-60926	12	09 24 54	- 0.2	647	87	1		
	12					2		
	12					3		
13-367-60926	13	09 23 23	- 1.7	673	83	1		
	13					2		
	13					3		
14-367-60926	14	09 21 52	- 3.2	698	78	1		
	14					2		
	14					3		
15-367-60926	15	09 20 21	- 4.7	724	73	1		
	15					2		
	15					3		
16-367-60926	16	09 18 50	- 6.2	750	67	1		
	16					2		
	16					3		
17-367-60926	17	09 17 19	- 7.7	775	59	1		
	17					2		FRONTAL BANDS
	17					3		Large Cellular Field
18-367-60926	18	09 [illegible]	9.3	800	56	1		Streets
	18					2		Streaks
	18					3		
19-367-60926	19	09 14 11	-10.8	824	51	1		
	19					2		
	19					3		
20-367-60926	20	09 12 40	-12.3	848	46	1		
	20					2		
	20					3		
21-367-60926	21	09 11 15	-13.8	867	41	1		
	21					2		
	21					3		
22-367-60926	22	09 09 44	-15.2	887	35	1		
	22					2		
	22					3		
23-367-60926	23	09 08 13	-16.8	904	30	1		
	23					2		
	23					3		
24-367-60926	24	09 06 42	-18.4	920	25	1		
	24					2		
	24					3		
25-367-60926	25	09 05 11	-19.9	933	20	1		
	25					2	ANTARCTICA	APPARENT CLOUDS
	25					3		
26-367-60926	26	09 03 40	-21.4	944	15	1		
	26					2		
	26					3		
27-367-60926	27	09 02 09	-22.9	953	8	1		
	27					2		
	27					3		
28-367-60926	28	09 00 38	-24.4	959	4	1		
	28					2		
	28					3		

NIMBUS I

AVCS DATA LOG

WEATHER BUREAU DESIGNATION
1964 September 22 Track 8

DATA ORBIT 368, 369
DATE 22 September 1964
ASC NODE 12 11 45 GT
15 21 W LONG

CATALOG NUMBER	INDEX NAME	INDEX TIME (UT)	MIN FROM ASC NODE	HEIGHT (KM)	SUN ANGLE	CAM	GEOGRAPHIC FEATURES	METEOROLOGICAL CONTENTS
1-369-60950	1	13 00 23	+18.5	443	19	1		
	1					2	GREENLAND	FRONTAL BANDS
	1					3	Ice Cap	Vortex Vicinity 59 N
2-369-60950	2	12 58 57	+17.0	448	25	1		
	2					2		
	2					3		
3-369-60950	3	12 57 21	+15.4	456	31	1		
	3					2		
	3					3		
4-369-60950	4	12 55 50	+13.9	466	37	1		
	4					2		
	4					3		
5-369-60950	5	12 54 19	+12.4	478	43	1		
	5					2		
	5					3		
6-369-60950	6	12 53 48	+10.9	492	48	1		
	6					2		
	6					3		
7-369-60950	7	12 51 17	+ 9.4	508	54	1		
	7					2		
	7					3		
8-369-60950	8	12 49 46	+ 7.9	526	60	1		CUTS
	8					2		Cellular
	8					3	Canary Is.	Fibrous
9-369-60950	9	12 48 15	+ 6	548	66	1		Large Cells
	9					2		Bands
	9					3	Africa Cst.	
10-369-60950	10	12 46 44	+ 4.8	567	71	1		
	10					2		
	10					3	Africa Cst.	
11-369-60950	11	12 45 13	+ 3.3	590	77	1		
	11					2		
	11					3		
12-369-60950	12	12 43 42	+ 1.8	613	83	1		
	12					2		
	12					3		
13-369-60950	13	12 42 11	+ 0.3	638	87	1		
	13					2		
	13					3		
14-369-60950	14	12 40 40	- 1.3	662	85	1		
	14					2		
	14					3		
15-369-60950	15	12 39 08	- 2.8	689	80	1		
	15					2		
	15					3		
16-369-60950	16	12 37 38	- 4.3	715	74	1		
	16					2		
	16					3		
17-369-60950	17	12 36 07	- 5.8	741	69	1		
	17					2		
	17					3		
18-369-60950	18	12 34 36	- 7.3	767	64	1		
	18					2		
	18					3		
19-369-60950	19	12 33 05	- 8.8	794	58	1		
	19					2		
	19					3		

APPENDIX A

ILLUSTRATIVE EXAMPLES

This appendix presents a variety of phenomena observed in the Nimbus I televised pictures. Examples of meteorological, geographical, geological and other items of interest have been included from the AVCS (Section A.1) and the APT (Section A.2) systems.

Pictorial examples are shown in a number of different display forms: single frames, triplets, montage, mosaic. The image quality of the pictures may suffer at times from slight degradation caused by the reproduction process of this document. Attempts have been made to retain pictorial quality standards, within reasonable limits. However, the number of catalogs to be published prohibits continuous inspection of all plates. It is quite possible that some subtle feature referred to in the descriptive material will have been partially masked during reproduction.

Descriptions and analyses appearing in this appendix have been prepared by the following personnel of ARACON Geophysics Company:

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Mr. L. Goldshlak
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A.1 ADVANCED VIDICON CAMERA SYSTEM

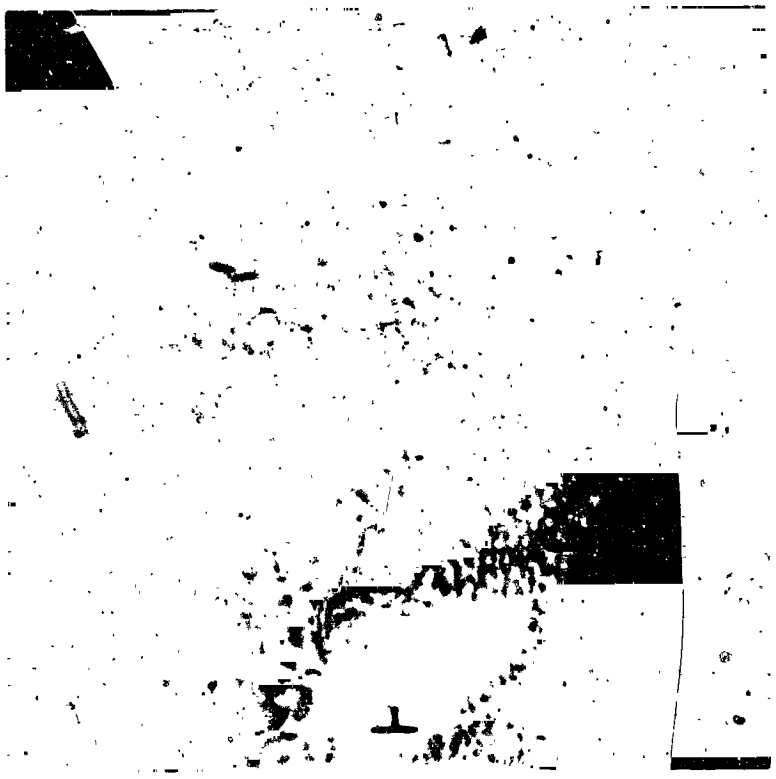
A.1.1 Guadalupe Island Eddy Patterns

Figure A-1 shows two enlarged AVCS frames taken over Guadalupe Island (29N, 118W) one day apart. The upper picture was taken by Nimbus I (camera 1) on 13 September 1964 at 18 50 52 UT. The lower picture was taken by camera 3 at 19 27 11 UT on 14 September 1964. Satellite altitude was about 625 km at both picture taking times. Orbit numbers were 241 and 256, respectively.

Both frames show eddy patterns embedded in a stratocumulus cloud deck. Eddy patterns appear to the lee of Guadalupe Island. Parts of Baja California are visible in the extreme right hand part of each picture.

The synoptic situation prevailing during this period was remarkably similar to that which existed on 18 May 1960 when TIROS I observed a similar Guadalupe cloud wake formation (Reference A-1). Figure A-2 represents a surface analysis for 1800 UT 14 September 1964 in the Guadalupe and Baja California vicinity. A persistent northwesterly flow, resulting primarily from the Pacific subtropical anticyclone and aided

Orbit 241
13 September 1964
18 50 52 UT
Camera 1



Orbit 256
14 September 1964
19 27 11 UT
Camera 3

Figure A-1–Cloud Patterns Over Guadalupe Island

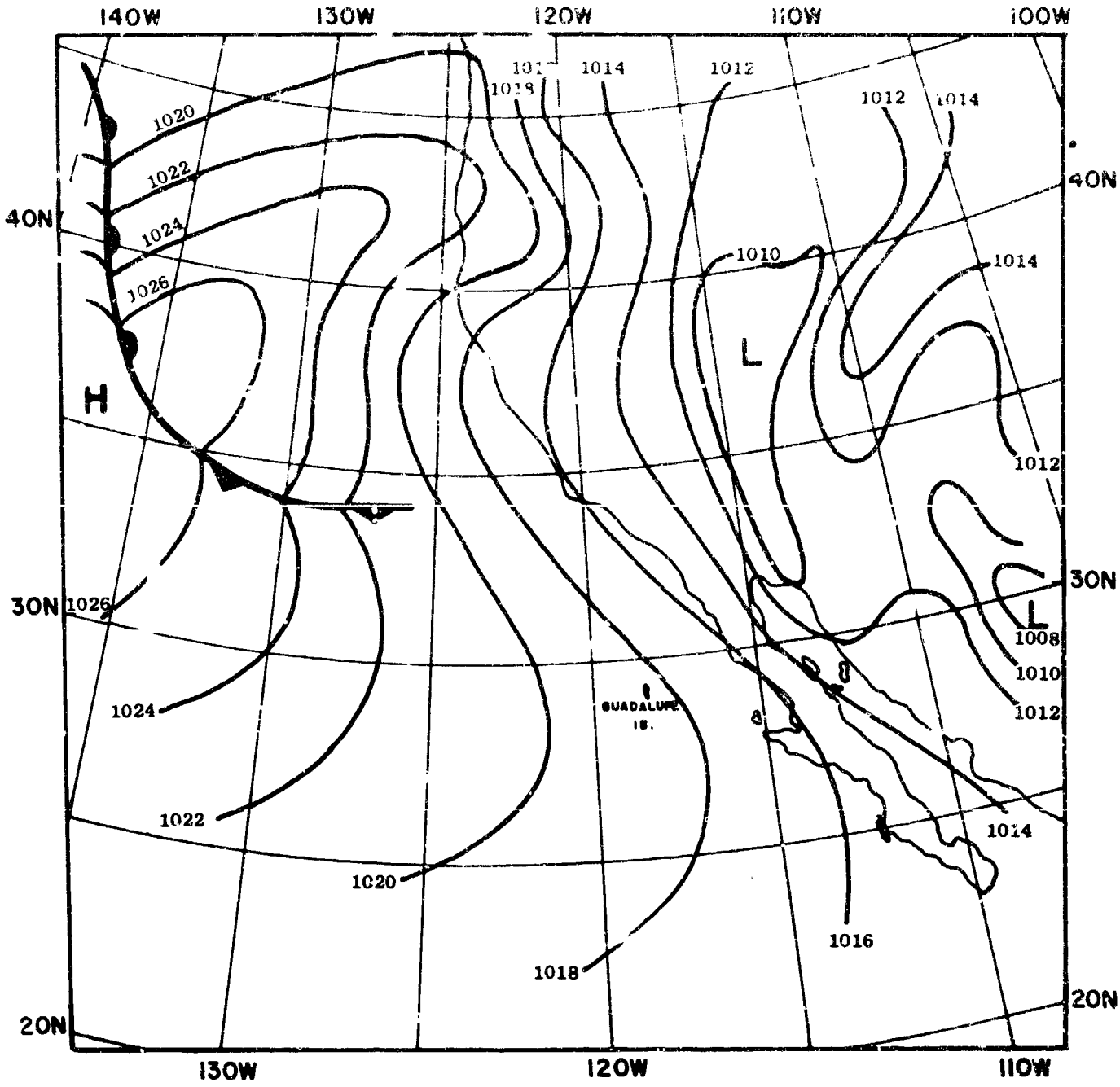


Figure A-2–Surface Analysis In Guadalupe Island Vicinity

by thermal lows over the southwestern United States and northern Mexico, prevailed over the Guadalupe area. Upper air observations are limited but there is little doubt that a similar flow pattern existed at all levels below 5,000 ft in the Guadalupe area. Widely separated marine surface observations describe the clouds visible in the Nimbus pictures as scattered to broken cumulus and stratocumulus.

Radiosonde data from San Diego, Santa Monica and Point Arguello indicated the existence of a very strong subsidence inversion near the 950 mb level with extremely dry air above the inversion. Inversion characteristics persisted throughout the period of interest.

Cold surface water temperatures surrounding Guadalupe Island tend to maintain cloudy inversions over that area. However, diurnal heating and mechanical mixing over the Guadalupe terrain (1,600 m) perturbs the low level inversion, producing a clear area near the island. This phenomenon is visible in each picture.

Eddy patterns traced in the cloud deck are most probably a result of waves in the inversion. Guadalupe Island acts as a barrier to the relatively uniform flow, triggering the eddies. Similar mechanisms and patterns have been studied in the Canary Islands vicinity (Reference A-2).

A.1.2 Actiniform Cloud Patterns

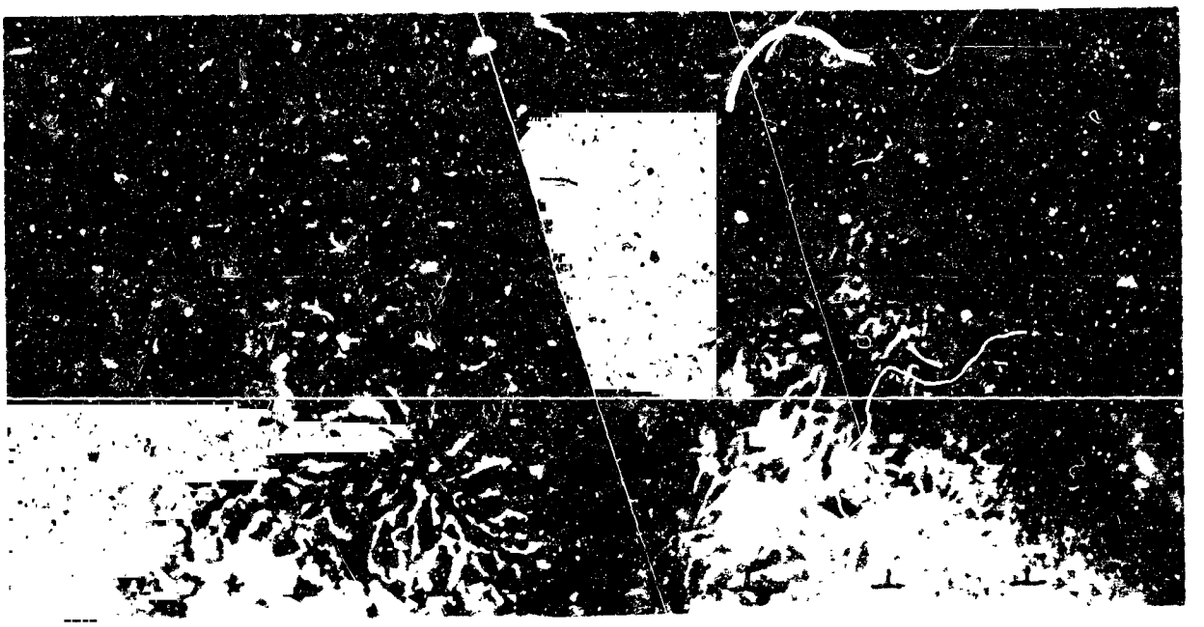
Cloud patterns shown in Figure A-3 were first discovered by a TIROS weather satellite during 1962 (Reference A-3) over remote and previously unobserved areas of the North Pacific near the Hawaiian Islands (Figure A-4, area A). The name, actiniform, is defined by Webster as "having a radiated form; like a sea anemone (Actinia)." They have subsequently been observed by TIROS in areas B and C of Figure A-4. They are yet to be observed in an area where concurrent conventional weather observations are available to aid in confirming the physical processes associated with their formation.

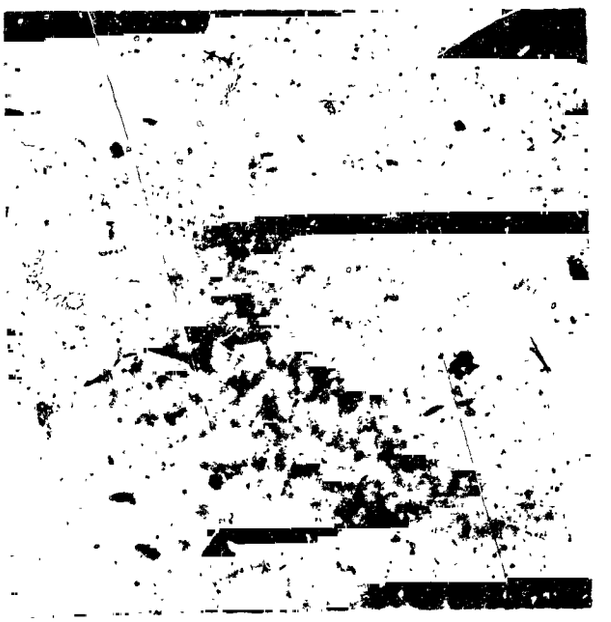
The examples shown here extend over three adjacent Nimbus I AVCS frames taken on Orbit 269 (15 September 1964) over area C in Figure A-4.

In spite of the absence of concurrent conventional data, it is possible to draw some reasonable conclusions as to the probable conditions associated with the formation of the actiniform patterns. As Figure A-4 suggests, cases so far observed have always been found in areas of persistent subsidence inversions and appear to be uniquely related to cold ocean currents which may serve to intensify the inversions. The Humboldt Current produces a particularly intense inversion over area C.

The apparent relationship to the cold currents may help to explain why these patterns have not been observed over the subtropical inversion areas of the eastern Atlantic Ocean. This explanation would lie in the cycle of diurnal heating and the associated modification of the inversion and of related cloud patterns. In the Atlantic, the diurnal heating can occur more rapidly (in the absence of any extremely cold current) and these patterns may be produced earlier in the morning, i.e., before a Nimbus passage or the most usual local times of TIROS pictures. In the Pacific, the particularly cold currents may serve to delay the process until approximately local noon, thus permitting observation by the Nimbus satellite.

While these speculations seem reasonable, they must remain no more than speculation until either conventional data concurrent with satellite observations of the actiniform patterns are obtained or it is possible to obtain satellite pictures a few hours apart during the hours following local sunrise.





DATA ORBIT 269
15 SEPTEMBER 1964
TIME: 18 hr 14 min UT
HEIGHT: 790 km
CAMERAS: 2 and 3

Figure A-3–Actiniform Cloud Patterns

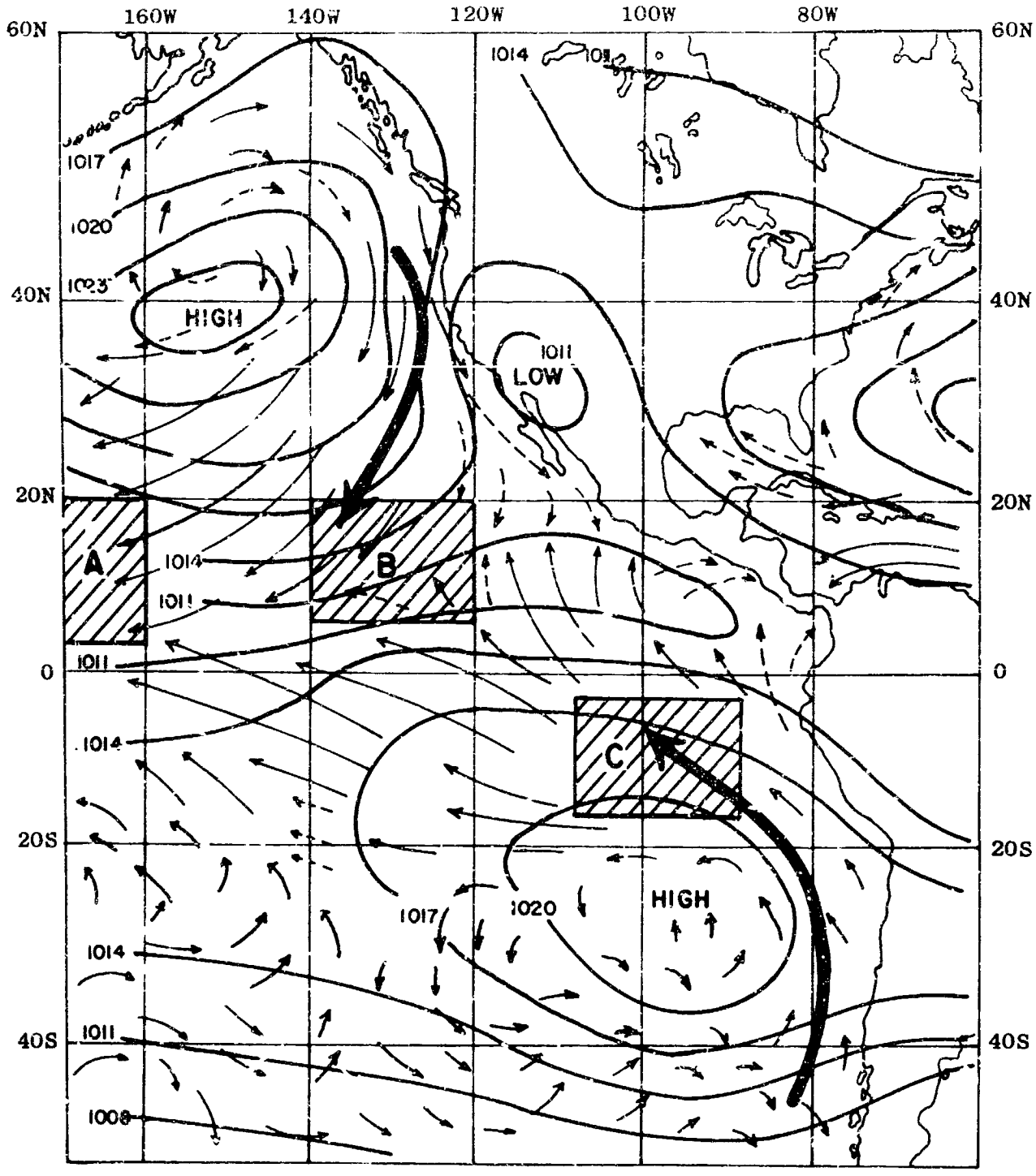


Figure A-4–Climatology of Actiniform Cloud Area. Average pressures, sea level wind patterns (thin arrows) and ocean currents (heavy arrows) for July in areas (hatched) where Actiniform cloud patterns have been observed.

A.1.3 Mountain Wave Clouds

Figures A-5, A-6 and A-7 show wave cloud patterns produced by air flow across a mountain chain. Clouds form at the vertical crest of the waves where the air is rising, and dissipate at the trough of the waves where the air is sinking. A count of cloud rows with distance thus yields an average wavelength for the flow. There may also be associated horizontal motions.

The picture in Figure A-5 was taken over southern Argentina and Chile (camera 2, orbit 240, 16 51 16 UT, 13 September 1964, height 928 km) east of the Andes Mountains. The picture is not gridded but an area coverage map is included. Here the Andes reach upward to 2,000 meters with peaks above 2,500 meters. A measurement of the cloud rows gave a wavelength of approximately 13 km.

Figure A-6 (camera 3, orbit 307, 07 13 22 UT, 18 September 1964, height 499 km) shows lee wave cloud patterns east of the Ural Mountains in southern Russia. The Urals in this area are about 1,500 meters high. The wavelength was measured to be approximately 16 km.

Figure A-7 (camera 3, orbit 247, 04 46 06 UT, 14 September 1964, height 560 km) shows another striking wave cloud pattern over Mongolia resulting from airflow across mountains which are over 3,000 meters high in this area. The wavelength was measured to be approximately 17 km.

The computer-produced grids in Figures A-6 and A-7 are accurate to within 1/2 degree in latitude and longitude.

The main factors that determine the wavelength are the mean wind speed of the flow and the vertical distribution of temperature and wind shear. The longest wavelengths are produced by strong winds and low stability (high temperature lapse rate). Krishnamurti (Reference A-4) reviewed theories of mountain waves and performed calculations for various atmospheric conditions. He obtained wavelengths of 10-20 km. These results are in good agreement with the observations. Thus, satellite observations of mountain wave clouds, together with a knowledge of wind velocities, wind shear and vertical distribution of temperatures may be used to verify the various theories of mountain waves.

A.1.4 North Atlantic Cyclone System

Nimbus I observed the cyclonic system shown in Figure A-8 on 16 September 1964 during orbits 281, 282 and 283. Spacing between successive triplets is not necessarily scaled to true distances on the earth's surface. The approximate coverage for each frame is delineated on the surface weather map (Figure A-9) of 1200 UT, 16 September 1964. The coasts of Greenland and Newfoundland are visible at the top and left center of Figure A-8, respectively.

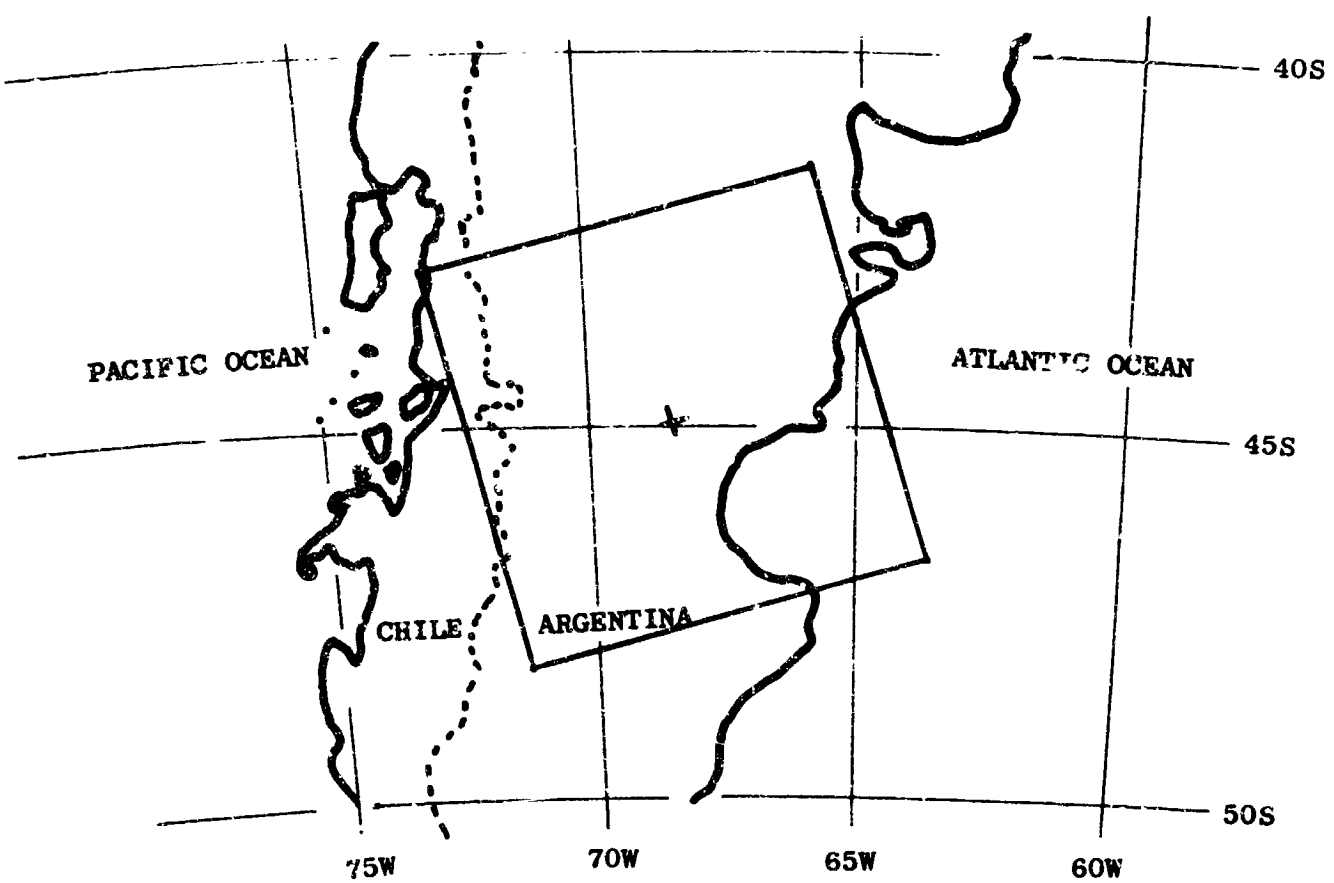


Figure A-5–Wave Clouds East of Andes Mountains

Figure A 6—Wave Clouds East of Ural Mountains

Figure A-7—Wave Clouds over Mongolia

The major cloud vortex and frontal band shown in the figure are associated with a North Atlantic cyclone system in the occluded mature stage. The system resulted from a combination of the remnants of Hurricane Dora and a low pressure area whose elongated center was located over Hudson Bay and Newfoundland on the previous day. The surface low center position on the 1200 UT map for 16 September 1964 is located near the coast of Labrador and corresponds well with the apparent cloud vortex center in the image. The 500mb chart (not shown) for the same time depicted two closed low centers over Labrador and the Hudson Bay. The system had reached its maximum intensity and is now filling. The cloud band corresponding to the occluded surface front south of Greenland is joined to a small but well defined cloud vortex centered at about 43N and 28W – the remnants of Hurricane Ethel.

A.1.5 Southern Hemisphere Vortex

A low pressure system located over the Pacific Ocean (55S, 90W) is shown in Figure A-10 as an example of a southern hemisphere vortex. The photograph was taken during orbit 225 on 12 September 1964 at 1750 UT. Satellite altitude was 952 kilometers. This picture shows quite vividly the long curved bands as they spiral towards the center of the vortex. The clockwise circulation of the southern hemisphere low pressure system is evident.

A.1.6 Hurricane Cleo

Figure A-11 shows Hurricane Cleo in a decaying stage. The composite was assembled with photographs taken on orbit 121, 5 September 1964. Triplet times from the bottom to the top of the figure were 14 04 06, 14 05 37, 14 07 08, 14 08 39 UT, respectively. The center of Cleo was located over the North Atlantic at about 53.5N and 46.5W on the 1200 UT surface weather map for 5 September 1964 (Figure A-12). An approximate area coverage for each frame has been drawn on the weather map. Cleo has lost its hurricane intensity and is becoming more characteristic of an extratropical cyclone with an occluded frontal system. The cirriform canopy has started to dissipate thus making visible the well defined vortical pattern of the lower clouds.

A.1.7 Observations of Hurricane Dora

Hurricane Dora has been selected as an example to illustrate the coverage of a tropical storm by NIMBUS I. A low pressure system that moved off the African coast on 28 August 1964 and passed south of the Cape Verde Islands on the 29th, was probably the disturbance that intensified into Hurricane Dora. Figure A-13 depicts the path of Dora from 31 August 1964 through 14 September 1964. Pictures taken on 31 August and 6, 8, 9 and 10 September 1964 are presented to illustrate Dora during her intensification and movement into northern Florida. Pictures for each of the above dates are montaged

Figure A-8–North Atlantic Cyclone System

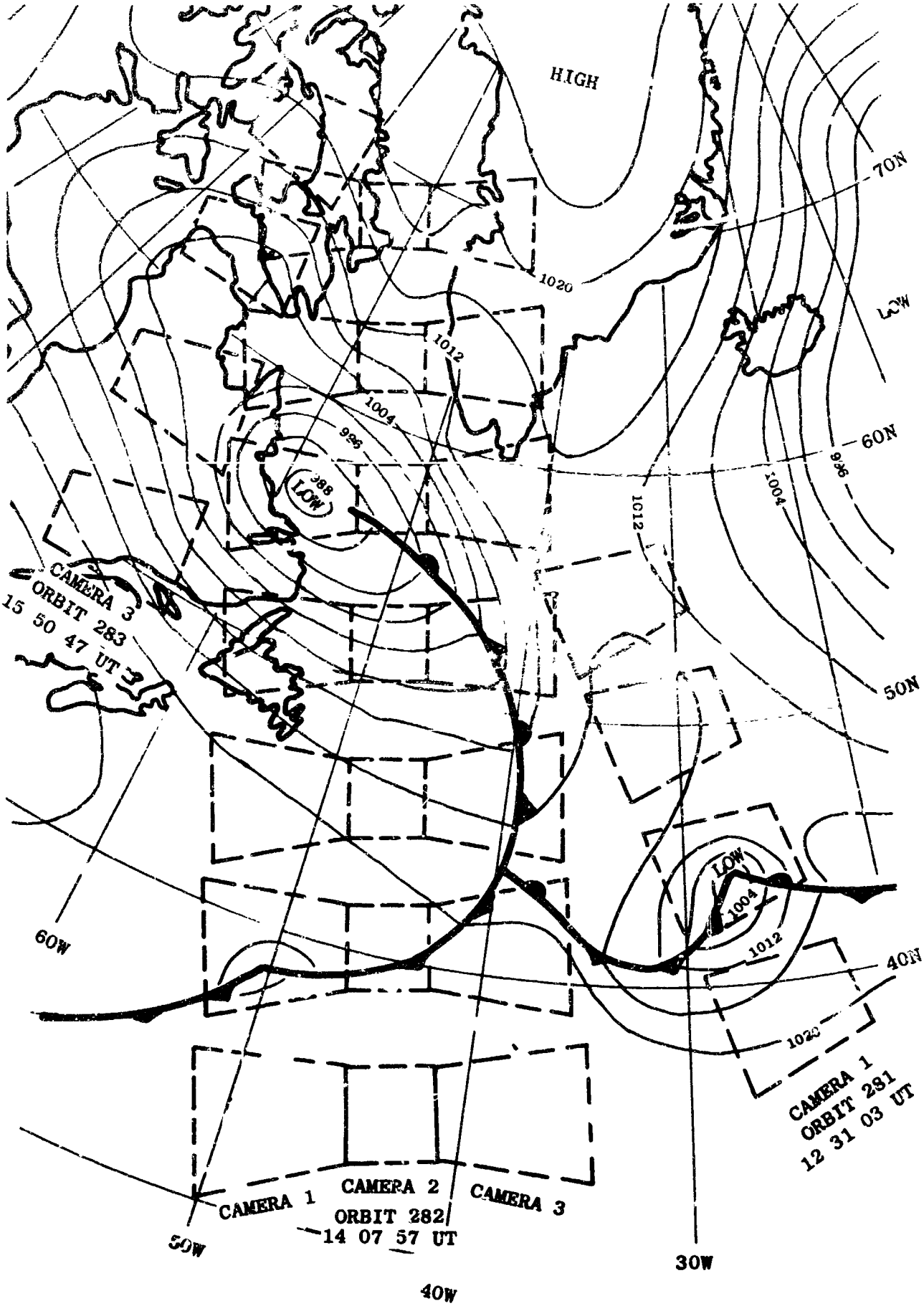


Figure A-9–Surface Weather Map, 16 September 1964, 1200 UT

Figure A-10--Southern Hemisphere Vortex

and presented in Figures A-14 through A-18. A small map section accompanies each figure delineating the approximate coverage of the pictures.

Dora was first observed by NIMBUS I during orbit 18 on 31 August 1964. The subpoint track of NIMBUS I passed directly over the area (11.3N 39.9W) in which Dora was located at 1408 UT. The pictures in Figure A-14 indicate that Dora was a well developed tropical storm. Long spiral bands and cirrus clouds are evident but the eye is not yet apparent in the picture.

The first advisory on Dora was issued by the San Juan Weather Bureau office on 1 September 1964. The tropical storm moved towards the northwest and by 6 September 1964 was a large, severe hurricane. During orbit 137 on 6 September 1964, NIMBUS I observed the center of Dora at 1613 UT. The pictures in Figure A-15 reveal a well developed eye, long spiral bands and some cirrus.

Figures A-16, A-17 and A-18 show Dora as it progressed westward into northern Florida. On 8 September 1964 (orbit 166) Dora was observed again by NIMBUS I at 1549 UT. In Figure A-16, it appears that the eye is partially filled (or cloud covered), but the spiral bands and cirrus are still readily identifiable. Hurricane Ethel was observed simultaneously (camera 3) approximately 850 miles to the east of Dora.

Figure A-11–Hurricane Cleo

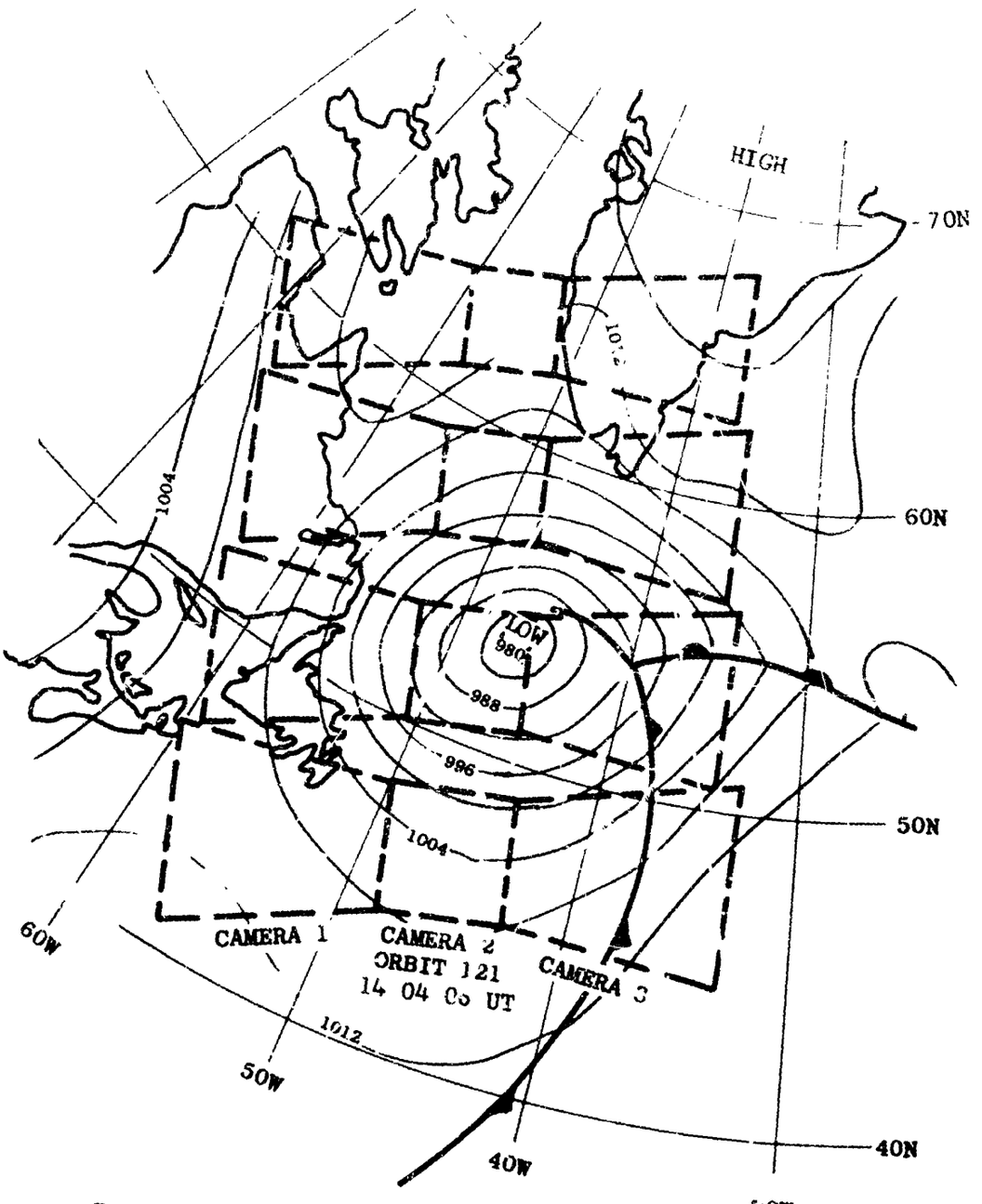


Figure A-12—Surface ... ther Map, 5 September 1964, 1200 UT

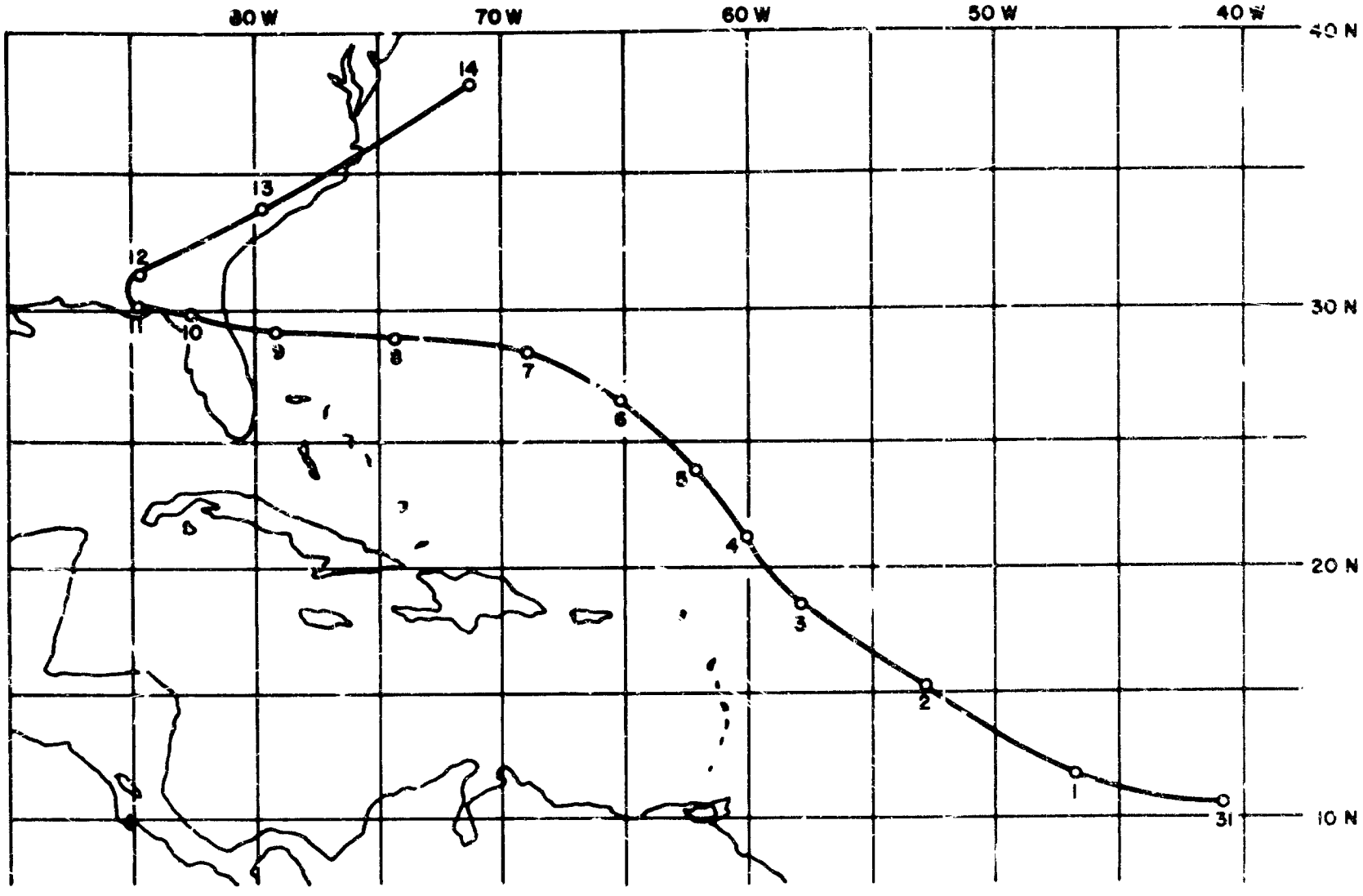


Figure A-13–Track of Hurricane Dora. Circles represent the location of Dora at 1200 UT for the indicated dates from 31 August to 14 September 1964

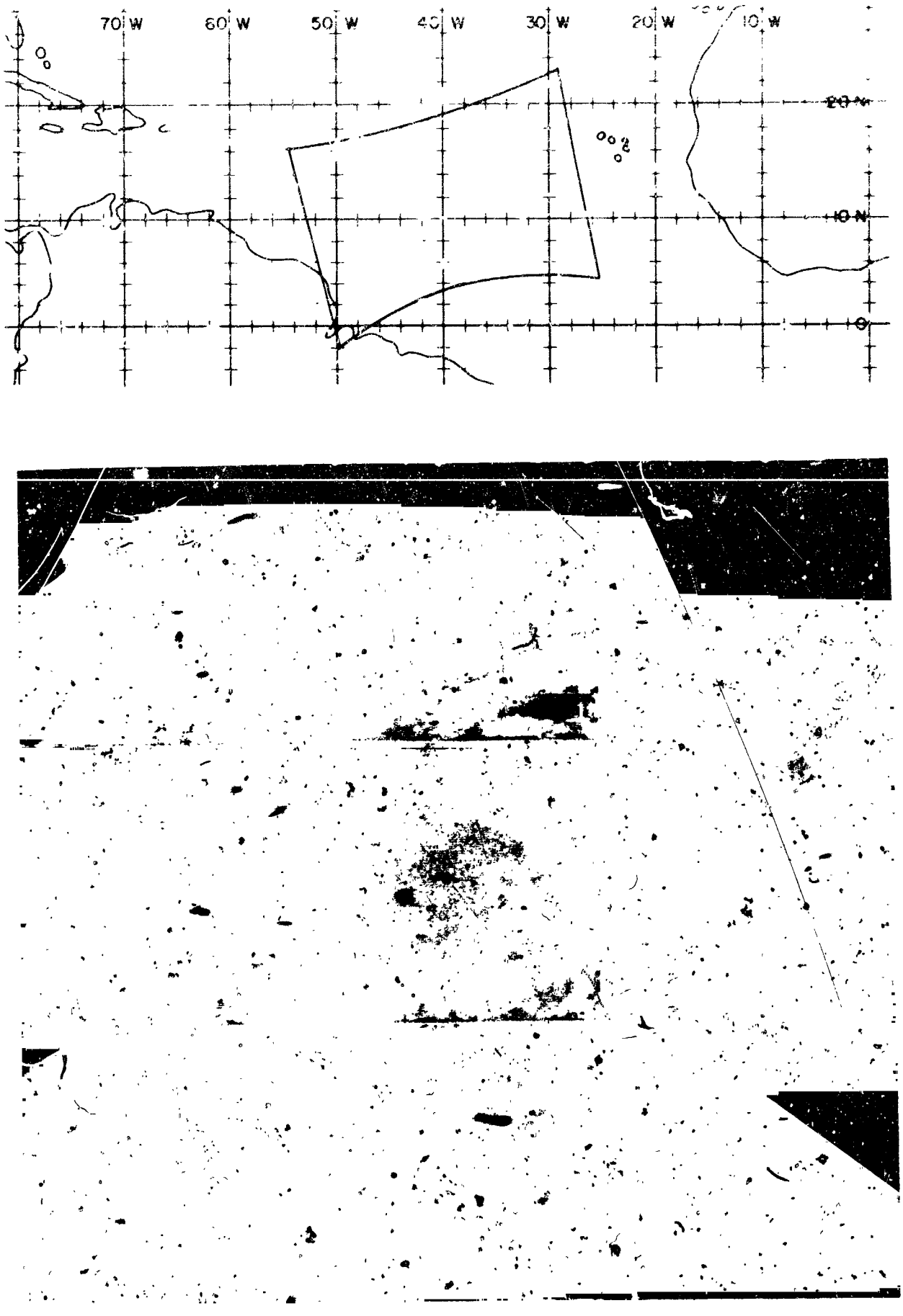


Figure A-14–Tropical Storm Dora, 31 August 1964

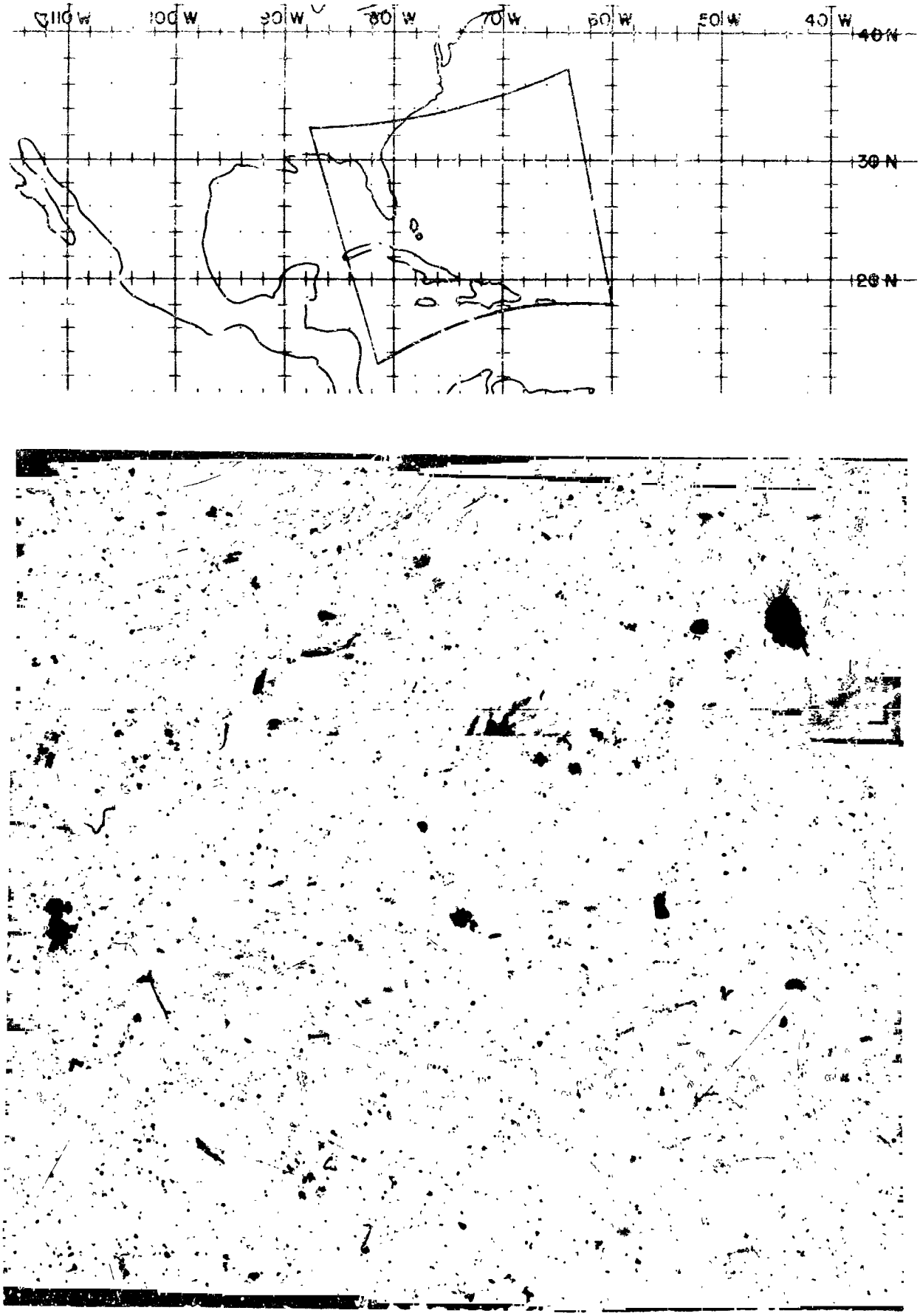


Figure A-15--Hurricane Dora, 6 September 1964

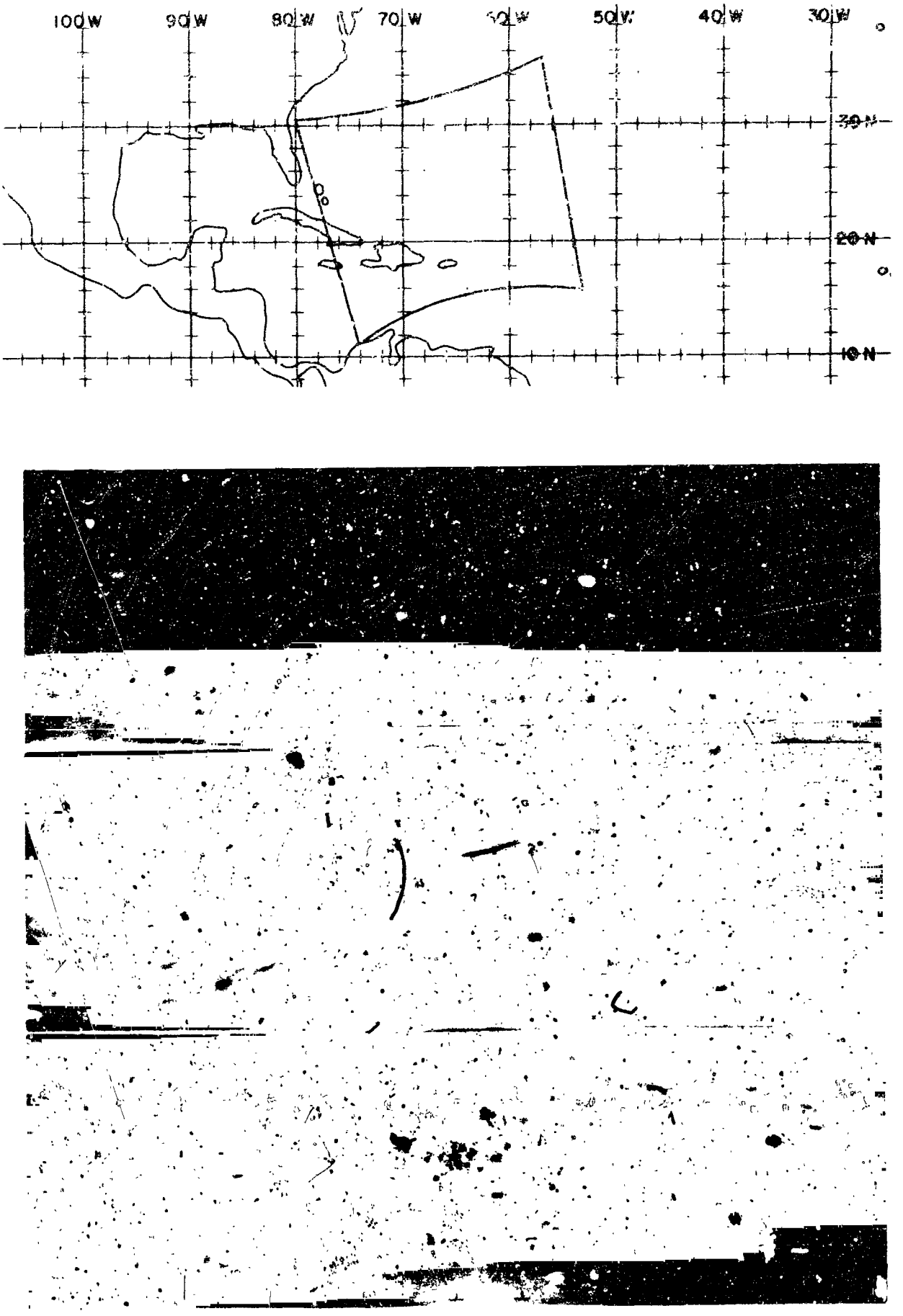


Figure A-16–Hurricane Dora, 9 September 1964

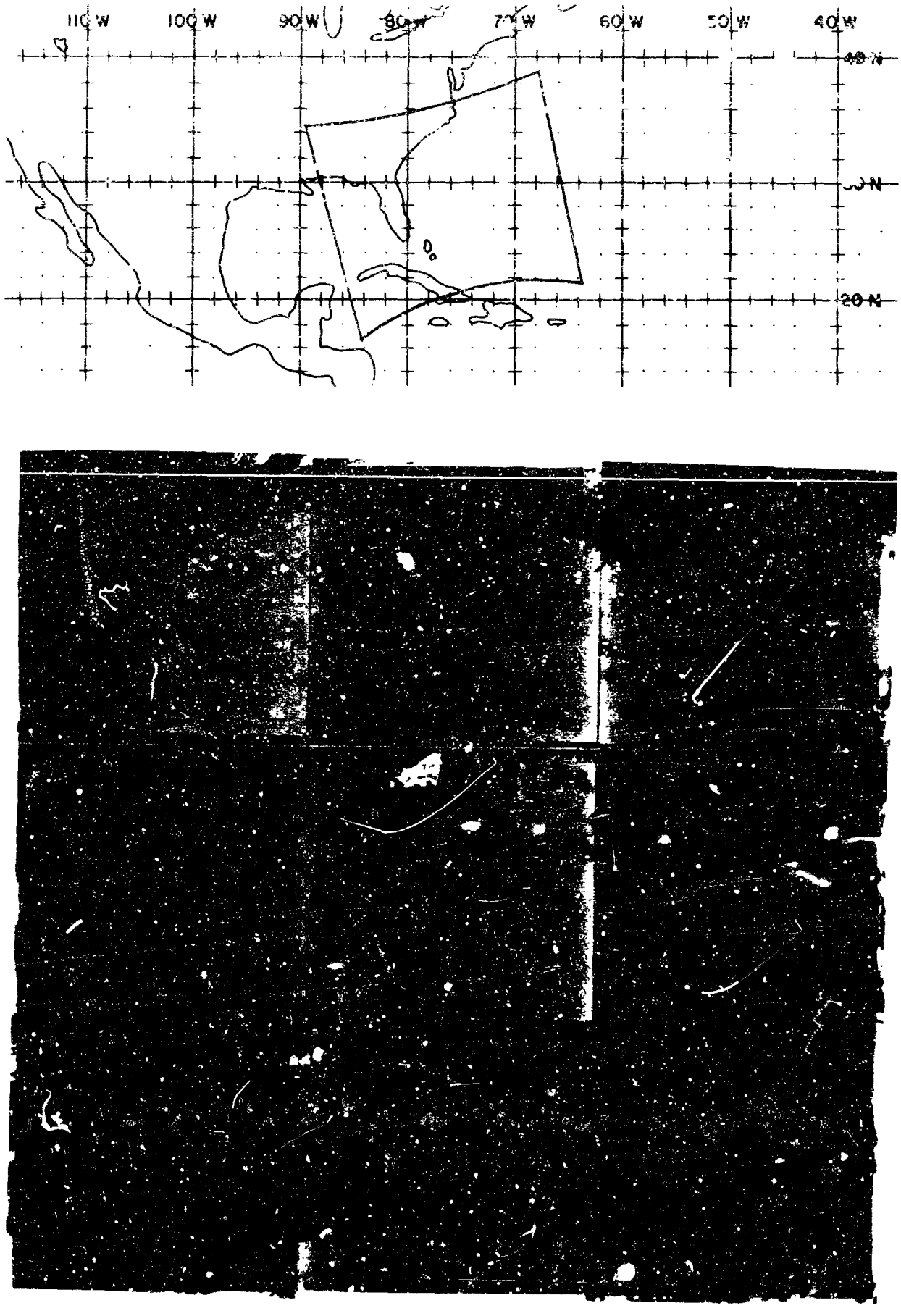
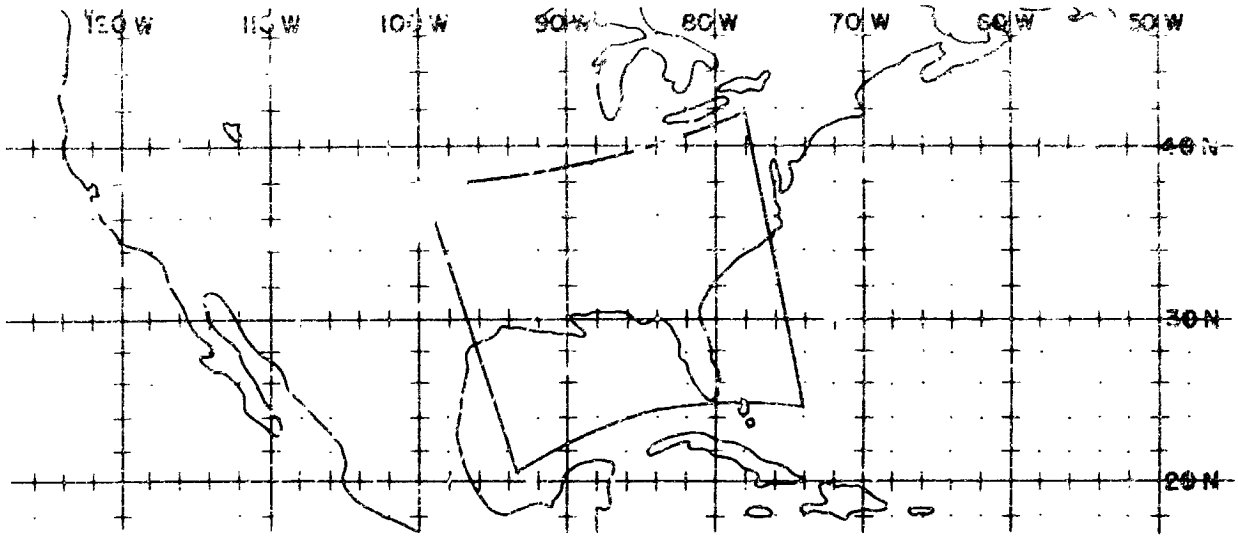


Figure A-17.--Hurricane Dora, 9 September, 1964



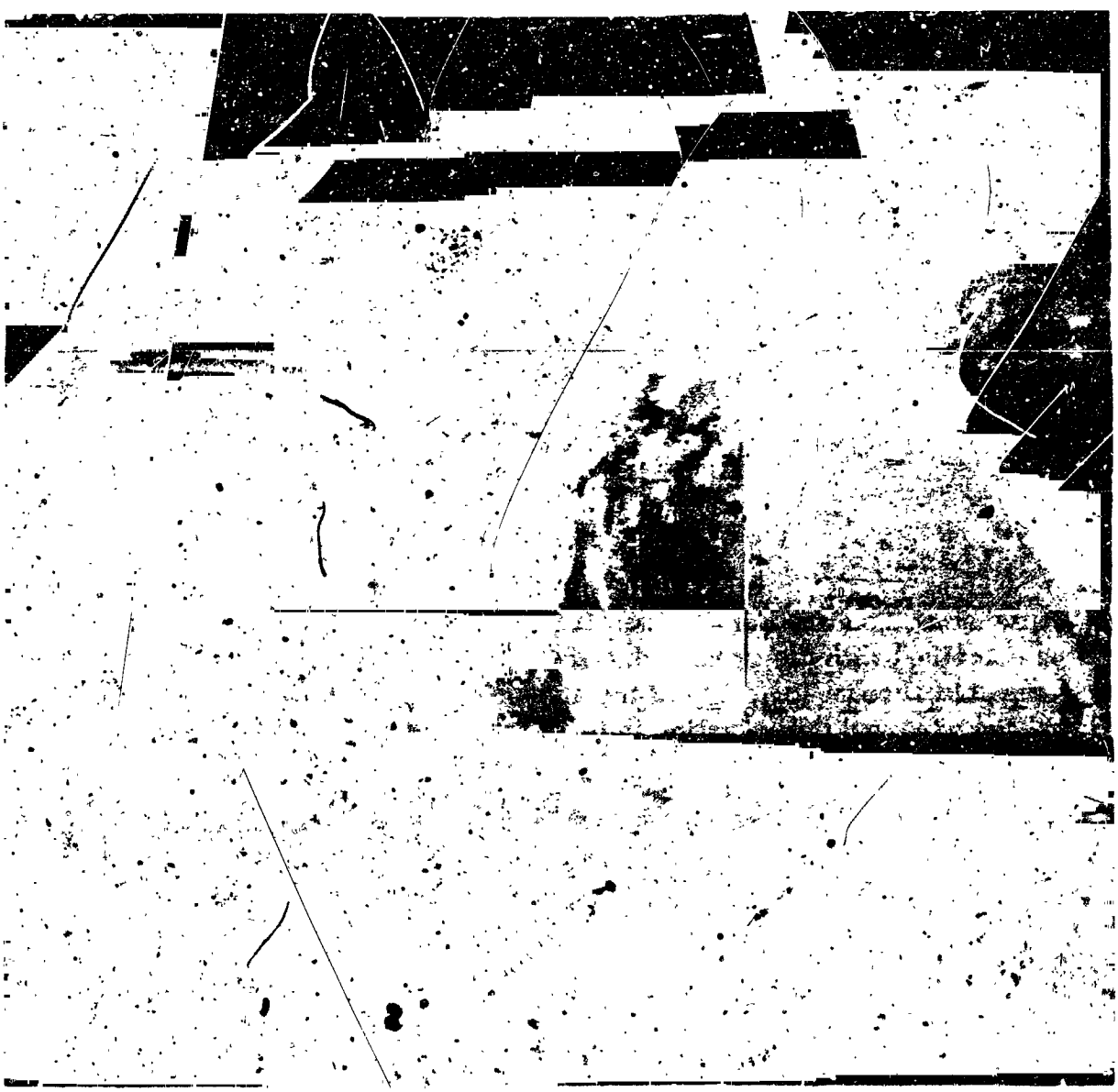


Figure A-18--Hurricane Dora, 10 September 1964

As Dora approached the Florida coast on 9 September it was photographed during orbit 181 at about 1625 UT. At this time (Figure A-17), the eye is not discernible due to the extensive cirrus canopy although the spiral bands are apparent.

On 10 September, Dora was observed over northern Florida during orbit 196 at about 1702 UT. Long spiral bands and the cirrus canopy can be observed, but the eye is not apparent in Figure A-18.

A.1.8 Snow Covered Mountains

The photograph in Figure A-19 was taken over British Columbia and Alberta, Canada on 10 September 1964 (orbit 197, camera 2) at 18 46 10 UT. The geographic coordinates of the center fiducial are 51.8N, 118.2W. The computer produced grids are accurate to within 1/2 degree in latitude and longitude over most of the picture.

Many of the peaks in the picture rise above 11,000 feet. Much of the snow covered area is part of a permanent snow field which outlines coarse dendritic and trellis patterns where it covers the mountain valleys and passes. In addition, the snow line appears truncated where it meets the major valleys.

The Fraser, Athabaska, Saskatchewan, Columbia and Thompson Rivers, discernible in the photograph, are supplied with melt water from this snow field. At first inspection, these rivers appear as one system because the watershed divide between each is below the snow line. However, with care, the limits of each can be determined.

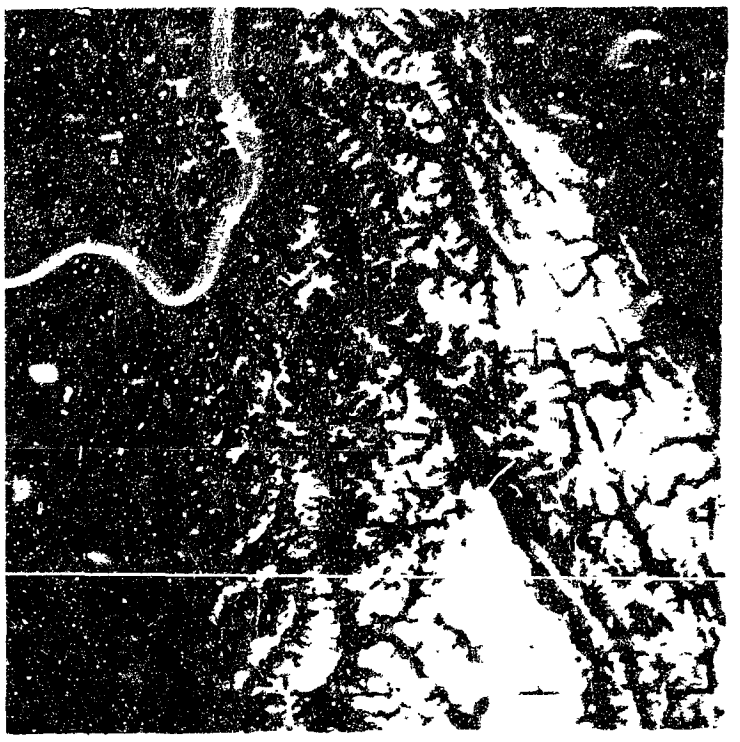
The photograph in Figure A-20 of the Alps in Italy, Austria and Switzerland was taken on 15 September 1964 (orbit 265, camera 2) at 10 17 49 UT. The geographic coordinates of the center fiducial are 46.4N, 11.1E with the lower portion of the photo bounded by the Po Valley and the Gulf of Venice while the upper boundary is a line running roughly from Zurich, Switzerland to Saltzburg, Austria.

The snow field here is less extensive and the pattern produced by the snow line is finer than that of the Canadian Rockies (Figure A-19). The generally lower elevation of the Alps combined with the greater dissection of these mountains above the 9,000 feet snow line could account for some of the above pattern differences. Of course, the annual snowfall, the wind and the variation in temperature between the two also affects the snow field and the consequent snow line pattern.

In addition to the mountains, there are many other geographic features identifiable in the photograph. Among them are the Po Valley, Gulf of Venice, Lakes Garda, Iseo and Zurich, and the Adige, Rienza, Drava, Rhein and Inn Rivers and valleys.

A.1.9 Fiords and Glaciers

The photograph in Figure A-21 was taken over northern Greenland on 31 August 1964 (orbit 46, camera 3) at 11 11 11 UT. The geographic coordinates of the center fiducial are 81.2N, 30.0W. The photograph includes the northeastern area of Greenland from 78.6N to 84.0N.



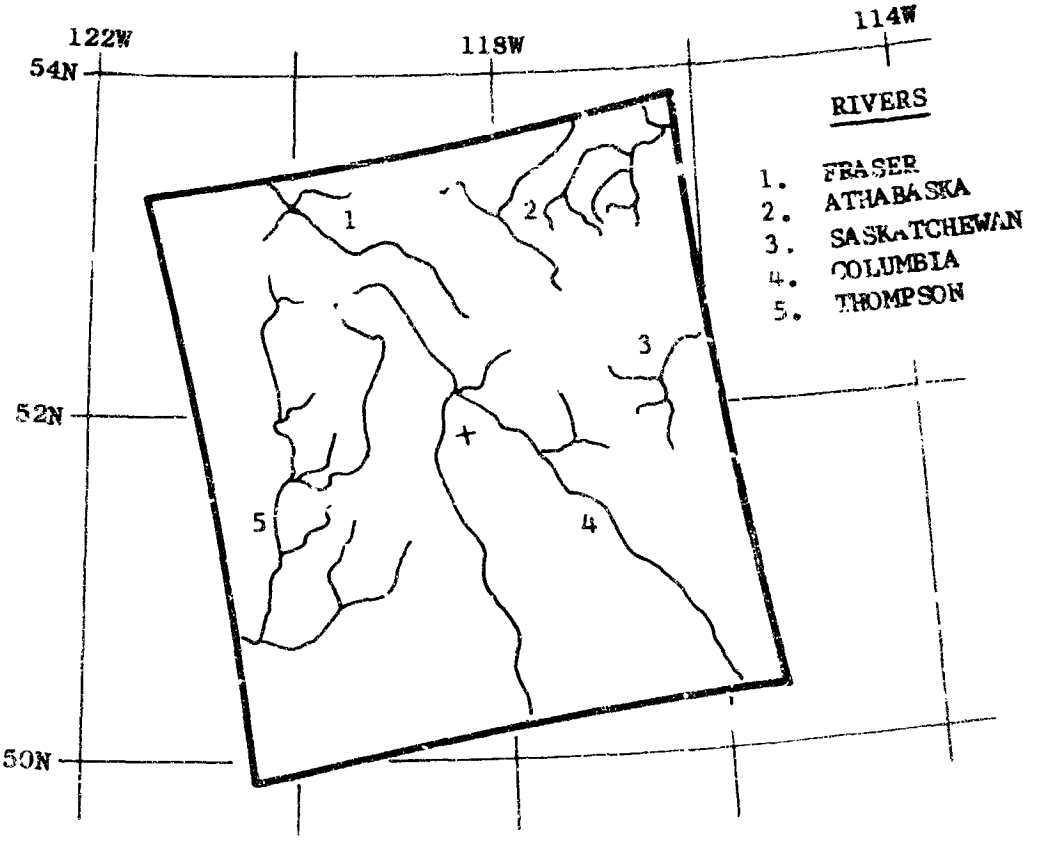
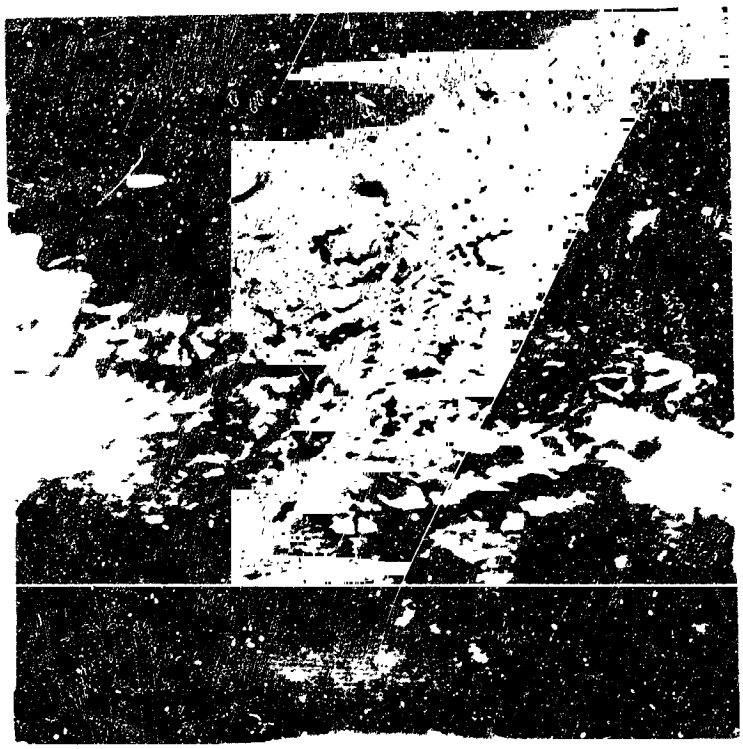


Figure A-19--Snow Cover on Canadian Rockies



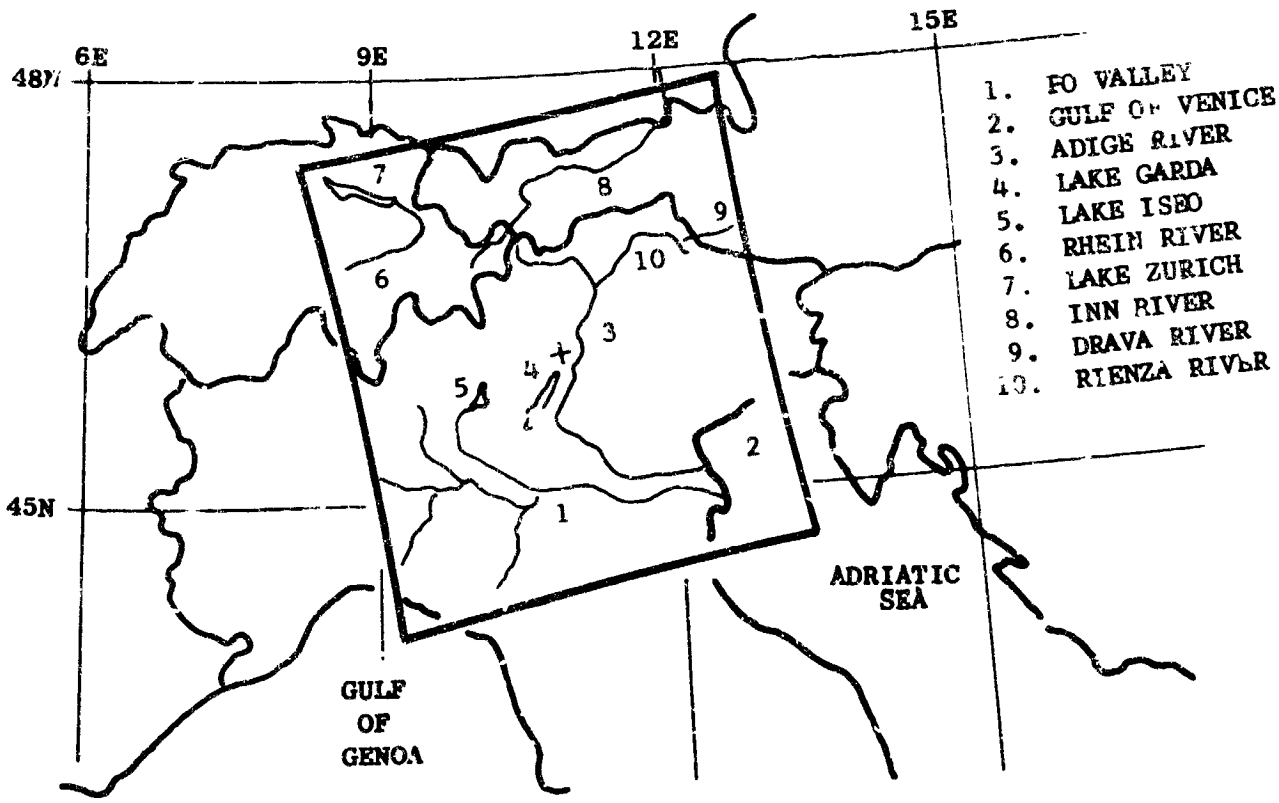


Figure A-20–Snow Cover on The Alps

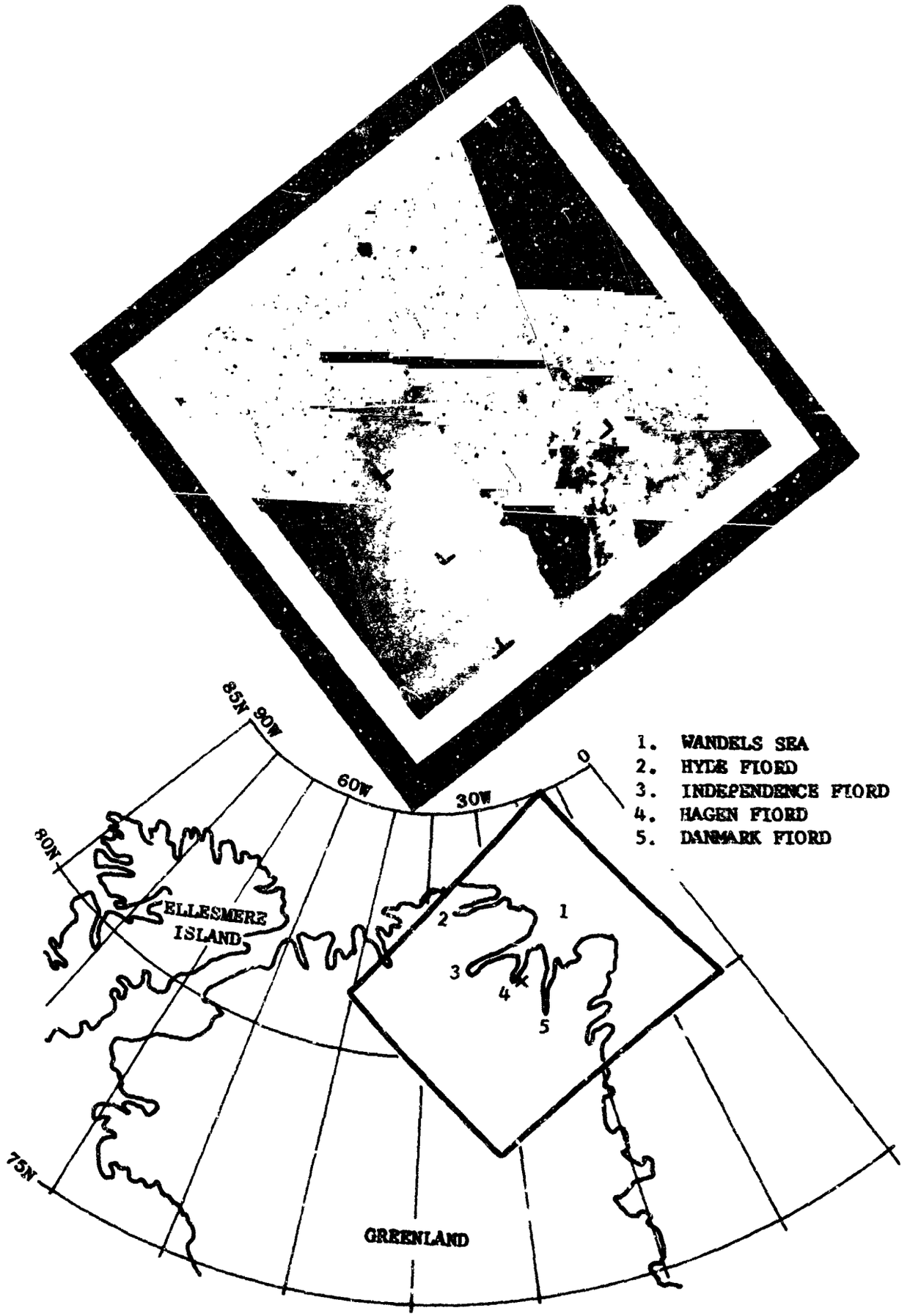


Figure A-21—Example of Fiords and Glaciers

The morphology in this photograph is characteristic of much of the Greenland Coast. There is a narrow band of low, relatively ice free mountains along the coast which rings the continental ice sheet and limits the drainage routes to the sea. Only where the mountains are cut by glacial fiords and valleys is there drainage for the interior.

Clearly shown in this photograph are the ice-filled Hyde, Independence, Hagen, and Danmark Fiords, the glaciers at the heads of Independence and Danmark Fiords, and the pack ice along the coast in the Wandels Sea.

A.1.10 Antarctic Tabular Iceberg

Figure A-22 shows two photographs of a tabular iceberg located at the junction of the Palmer Peninsula and the Filchner ice shelf. The approximate geographic coordinates of this juction are 70S, 60W. The upper photograph was taken on 2 September 1964 (orbit 79, camera 2) at 18 12 11 UT while the lower one was taken on 19 September 1964 (orbit 329, camera 3) at 20 19 11 UT.

From the photograph taken of this area by Nimbus I on 2 September 1964 to the one taken on 19 September 1964 the iceberg remained in the same area, although it does appear that the open space between the iceberg and the ice shelf may have changed by a small amount. The area of lower reflectivity to the right of the iceberg seems to have gradually increased in size during this same period. This reflectivity seems too high for open water and too low for smooth ice. It is possible that it could be caused by broken ice or pressure ridges created by small undulations or movements of the iceberg. The azimuth and elevation of the sun at the time the photographs were taken indicate that it is not a shadow cast by the iceberg.

Other data orbits with photographs of the same area are 167, 239, 253, 270, 283, 284, 285, 299, 327, 342, and 343.

A.1.11 Physiographic Features of Western United States

Figure A-23 was assembled with photographs taken by Nimbus I on 16 September 1964 (orbit 285). Triplet times were 19 03 12, 19 04 43, and 19 06 14 UT. Image area covers the western United States from just south of the Canadian Border to Mexico and from the West Coast to approximately 110W longitude.

There is no attempt here to minutely document the many physiographic features present in these images. It would take more than just a few paragraphs to do justice to the wealth of geological information conveyed by even a single frame. Some of the more prominent features are indicated on Figures A-23 and A-24. Water surfaces are darkest in the photographs. The brigntest areas (aside from clouds, snow and/or ice) are the playas (dried-up lake basins which are characterized by smooth, highly reflective mantles of salts and clays) and sandy deserts. These abound in the Great Basin of the western United States. Prominent are the Great Salt Lake Desert (8) west of the Great Salt Lake (7), and the Smoke Creek and Black Rock Deserts (5) north of Pyramid Lake (6). A smaller but brighter area on the western edge of the Great Salt Lake Desert is

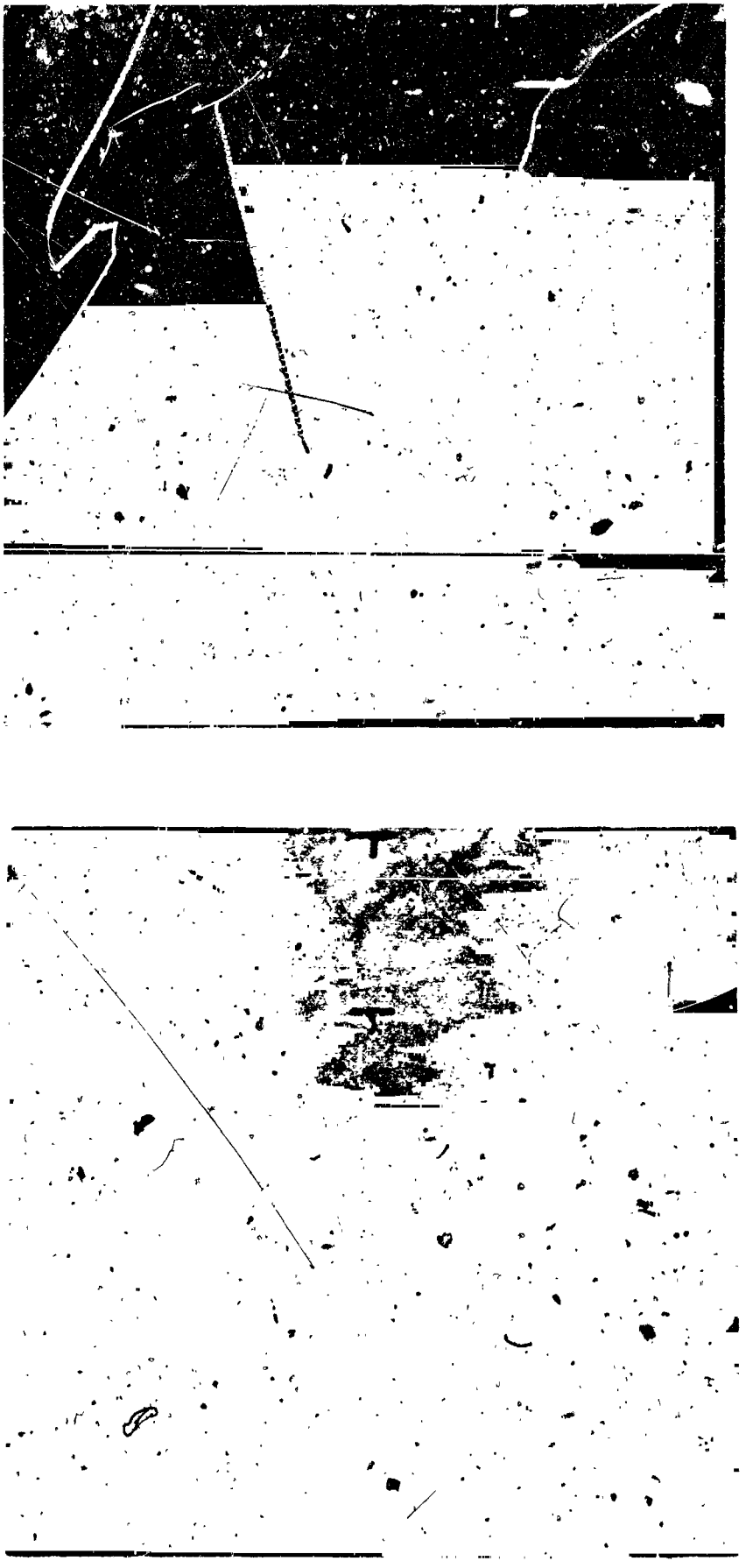


Figure A-22–Antarctic Iceberg

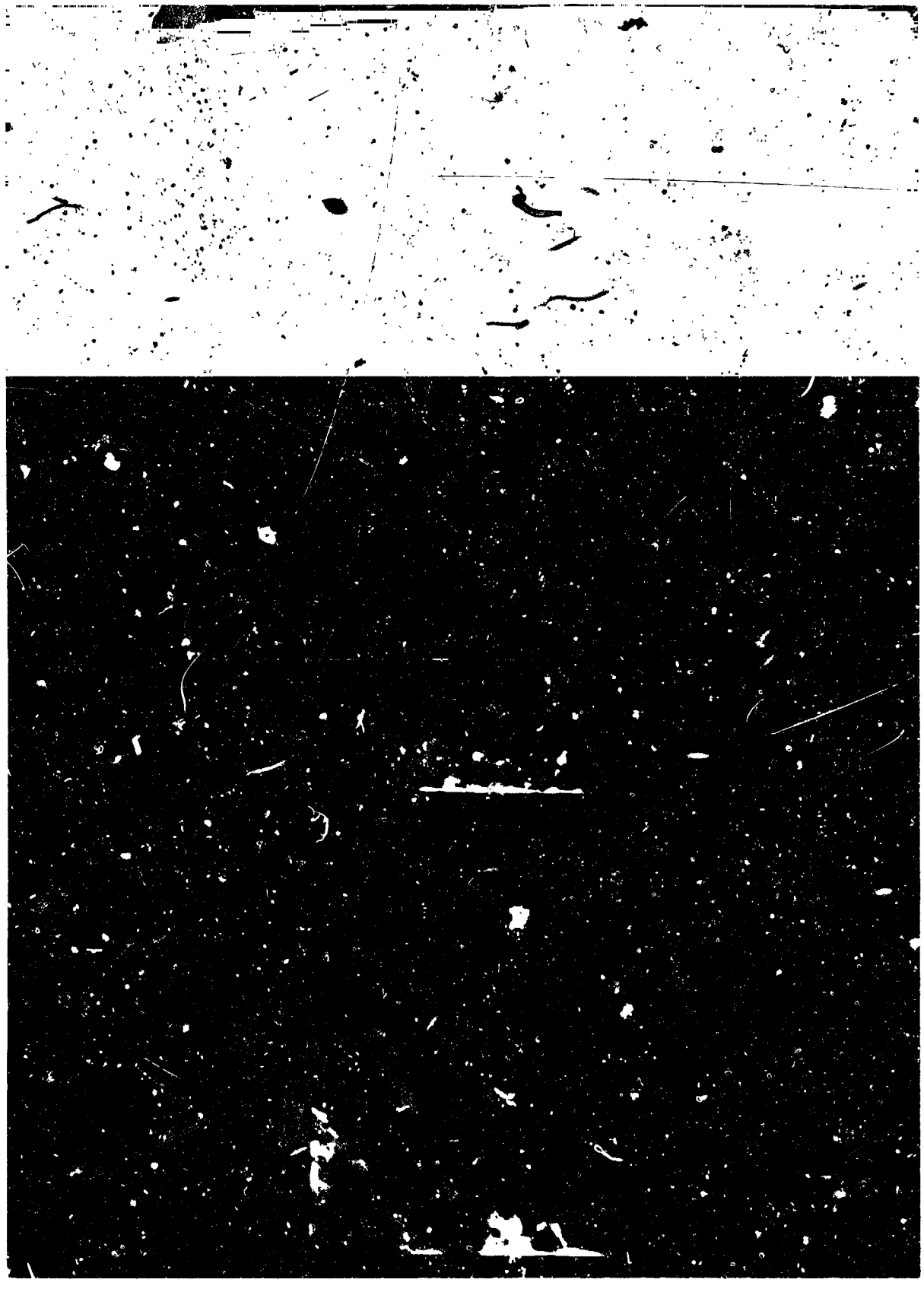


Figure A-23–Physiographic Features of Western United States

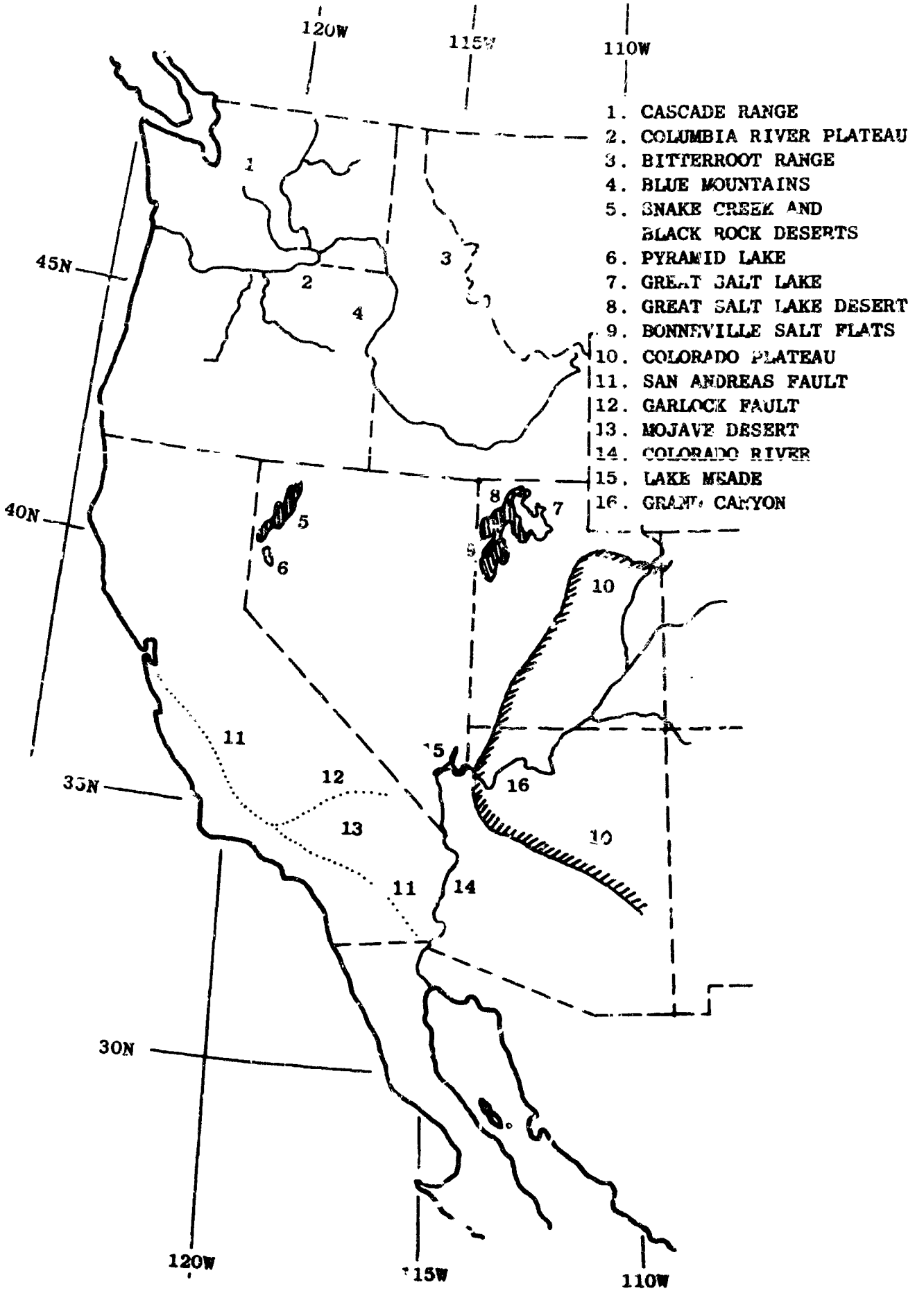


Figure A-24- Map of Western United States

the Bonneville Salt Flats (9). The Mojave Desert (13) of southern California is less bright but still prominent. Its boundaries with the darker vegetated highlands are approximately delineated by the Garlock Fault (12) to the northwest and the San Andreas Fault (11) to the southwest. The dark areas east of the Great Salt Lake running approximately north-south (10) mark the edge of the Colorado Plateau (10). The dark perimeter is a result of the low reflectivity of the conifer forests and the basalts of the highlands. Lake Meade (15), the Colorado River (14), and the Grand Canyon (16) are also visible. The Columbia Plateau (2) is flanked by the darker Cascade Range (1) to the west, the Bitterroot Range (3) to the east and the Blue Mountains (4) to the southeast. The Columbia River and its tributaries are also discernible in the Columbia Plateau region.

A.1.12 Volcanic Highlands in the Sahara

Figure A-25 shows a portion of the Sahara in central Lybia. The photograph was taken on 17 September 1964 at 09 47 13 UT (orbit 294, camera 1).

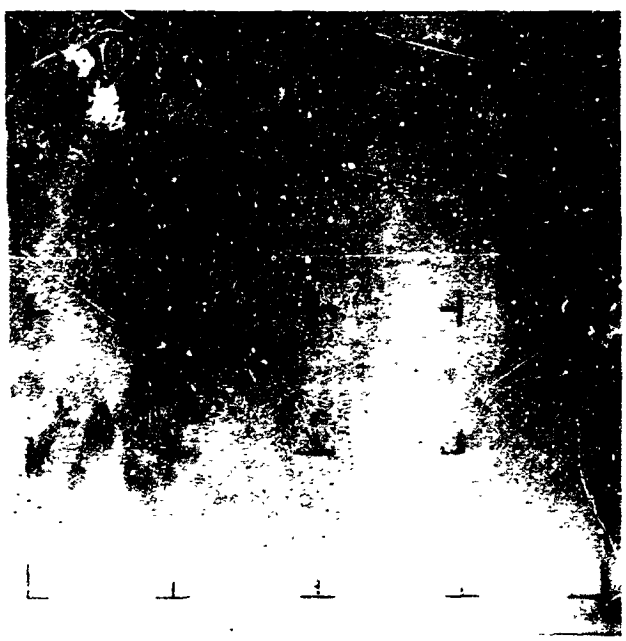


Figure A-25—Volcanic Highlands in the Sahara

The most prominent features are a large dark area near the center of the photograph and a smaller dark area at the top left corner. These are El Haruj el Aswald and Jebel el Sauda, volcanic highlands consisting mainly of Tertiary basalt and phonolite rocks. The dark volcanic rocks are a striking contrast against the high reflectivity of the Rebiana Sand Sea, located in the middle and lower center of the photograph, and the less bright stony desert areas. Rows of sand dunes (seifs), aligned in the direction of the prevailing southwest winds, are noticeable in the lower center of the photograph.

The computer-produced grids are accurate to within 1/2 degree in latitude and longitude over most of the photograph.

A.1.13 Paris Basin Geology

Some of the Paris Basin geology discernible in the Nimbus AVCS photograph in Figure A-26 is shown in the drawing of the same area in Figure A-27. The AVCS photograph was taken over north central France on 13 September 1964 (orbit 236, camera 2) at 10 44 04 UT. The geographical coordinates of the center fiducial are 3.4E, 48.9N.

The relatively light area to the right of the center fiducial mark represents the exposed Upper Cretaceous chalk formations of the Barren Champagne. The left boundary of this area roughly follows the Tertiary limestone escarpment of Brie Plateau. The

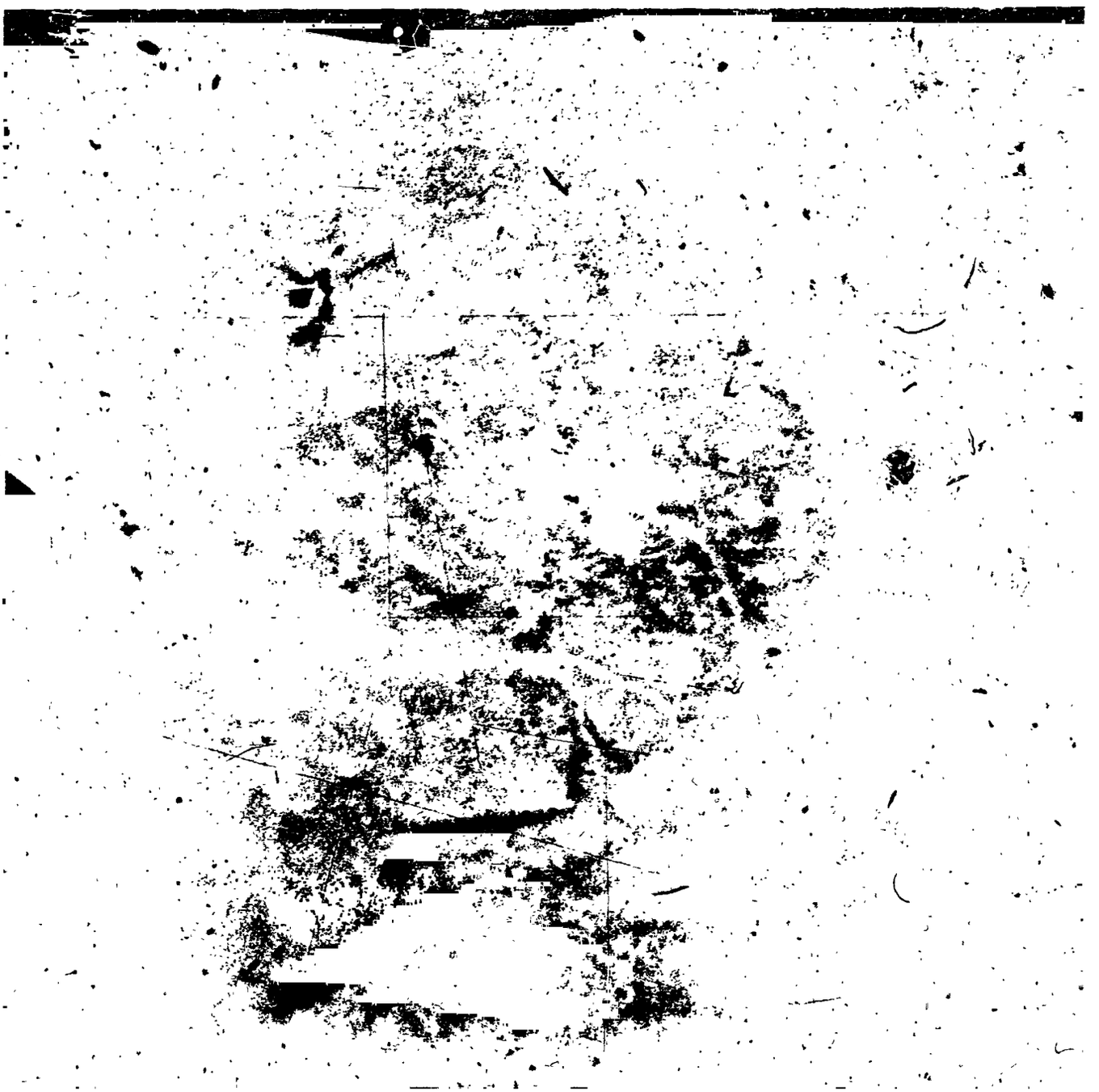


Figure A-26–Paris Basin

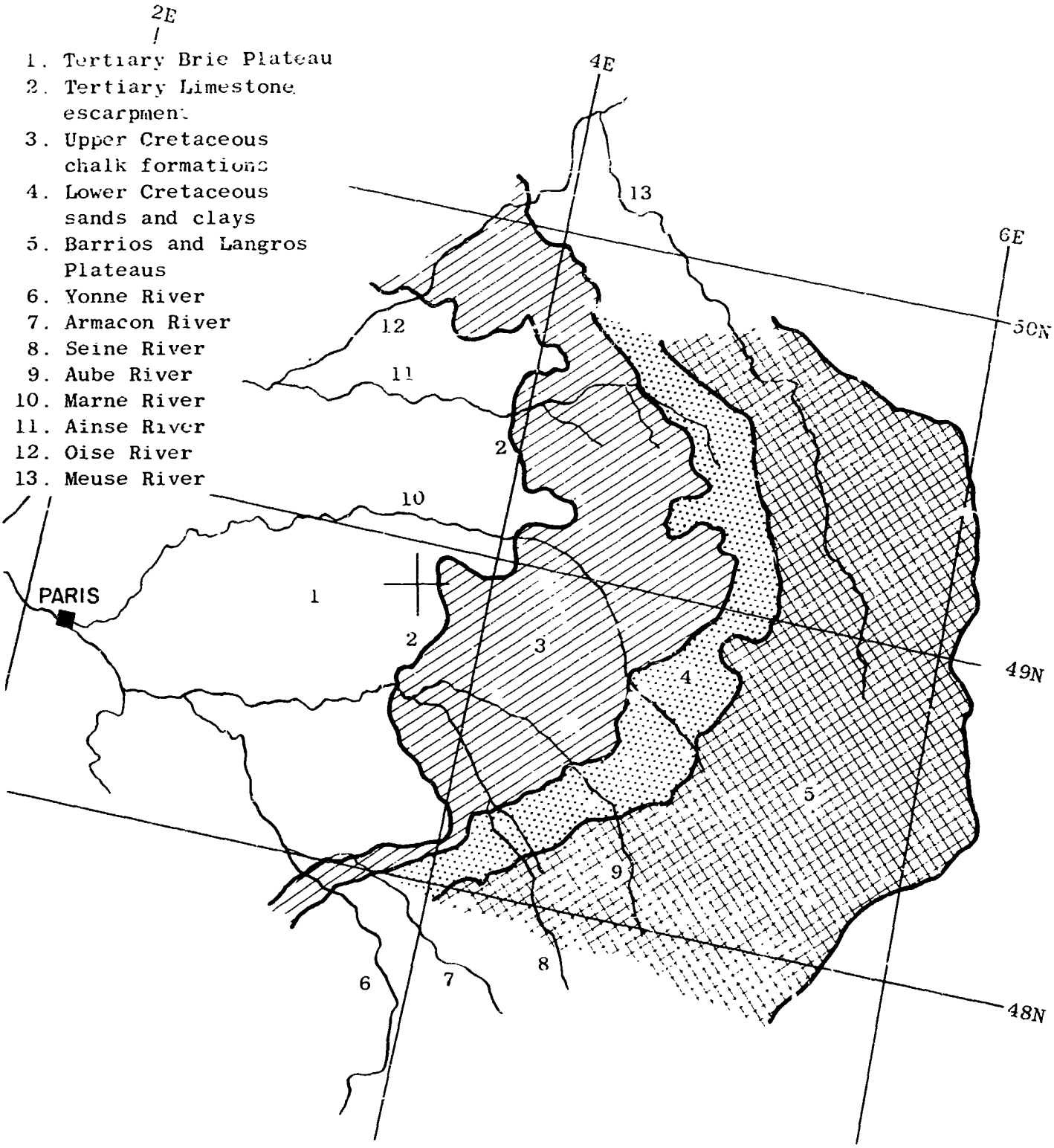


Figure A-27–Map of Paris Basin

black band to the immediate right of the Barren Champagne represents the black lacustrine sands and clays of the Lower Cretacecus called the Humid Champagne. The calcareous Barrios and Largros Plateaus are adjacent to the sands and clays.

Several rivers are visible in the photograph where they cut through the Barren Champagne. Among them are the Yonne, Armacon, Seine, Aube, Marne, and Ainse and Oise Rivers.

A.1.14 Pacific Atolls

The photograph in Figure A-28 of the Tuamotu Archipelago was taken on 15 September 1964 (orbit 271, camera 2) at 21 30 03 UT. The geographic coordinates of the center fiducial are 14.6S, 145.4W.

Many atolls from the northern portion of the Tuamotu Archipelago are visible in the Nimbus AVCS photograph. The exposed portions of the atolls are probably no more than 1/4 to 1/2 mile in width but are visible because the bright (high reflectivity), white coral rings contrast sharply with the dark (low reflectivity) ocean surface.

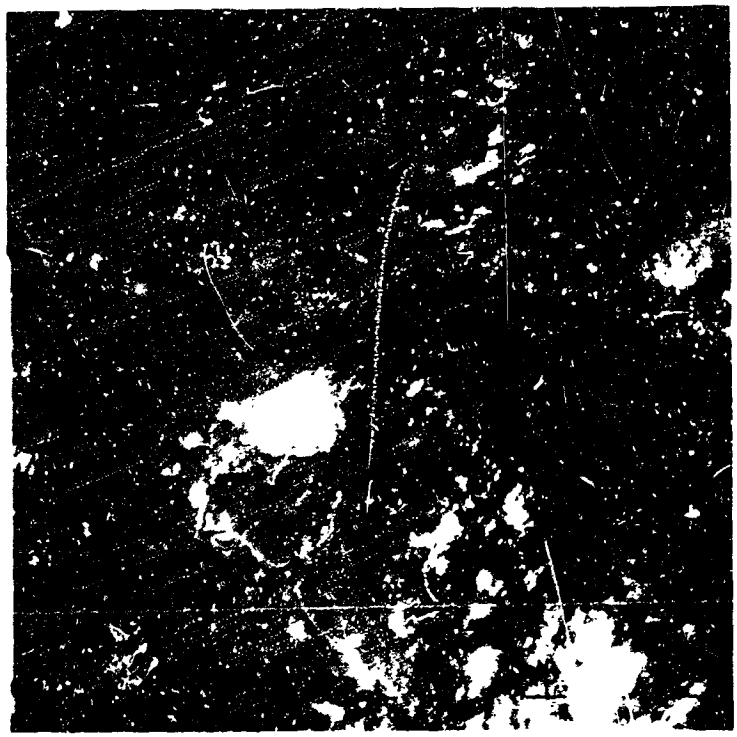
A.1.15 Eastern Mediterranean and Red Sea

Figure A-29 is a montage of triplets clearly showing geographic features from the Dead Sea northward towards Greece and the Black Sea. These photographs were taken on 16 September 1964 (data orbit 279) at approximately 09 hrs 12 min UT. Satellite height varied from 550 to 680 km from the lower to the upper triplets in the figure.

The top triplet shows Greece, the Aegean Sea, the islands of Lemnos, Imbros, Samathraki, Thases and Lesbos, the Sea of Marmara and the Black Sea area. The eastern Mediterranean Sea is depicted in the second triplet. The north coast of Turkey and the islands of Crete, Karpathos, Rhodes and Cyprus, are clearly distinguishable.

Camera 2 of the second triplet retained a latent image from camera 2 of the third triplet. The latent image effect was a result of incomplete erasure of the vidicon of the Nimbus satellite. Occasionally in other picture sequences a similar effect has been noticed but these are rare.

Egypt, the Nile River,the Gulf of Suez and Aqaba, and the Dead Sea can be recognized in the third triplet. An interesting phenomenon can be observed in the central frame of the triplet (Figure A-30). Land masses in the vicinity of the mouth of the Nile River are flooded. Flood waters extend to approximately the limits of Cairo (Figure A-31). Areas near Birket Lake also appear flooded. North of the Gulf of Suez (Figure A-30) one can distinguish the Little and Great Bitter Lakes. From Great Bitter Lake northward it appears that the outline of the Suez Canal can be observed to Port Said, which is at or just outside the image area. Tirat el Ismailiya, a branch canal from the Suez to Cairo, is visible as a dark line oriented east-west. Flood waters seem to have reached the Ismailiya Canal at the point where it heads southwest to Cairo.



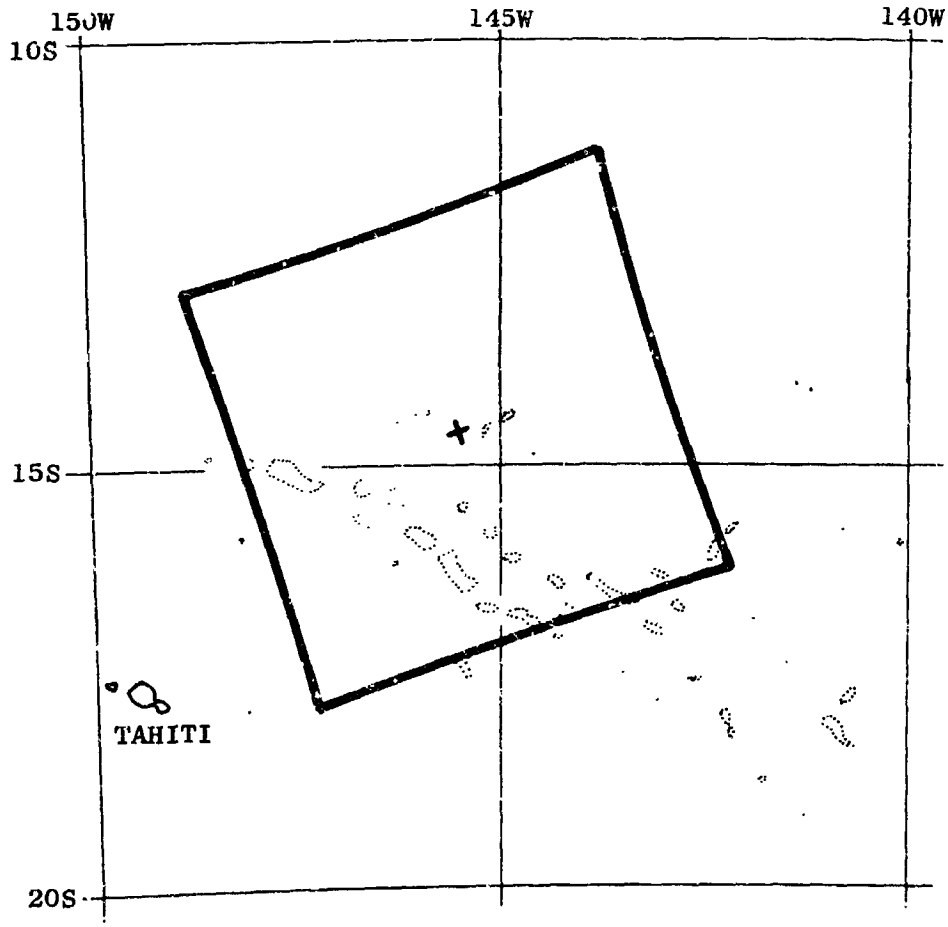


Figure A-28 - Pacific Atolls

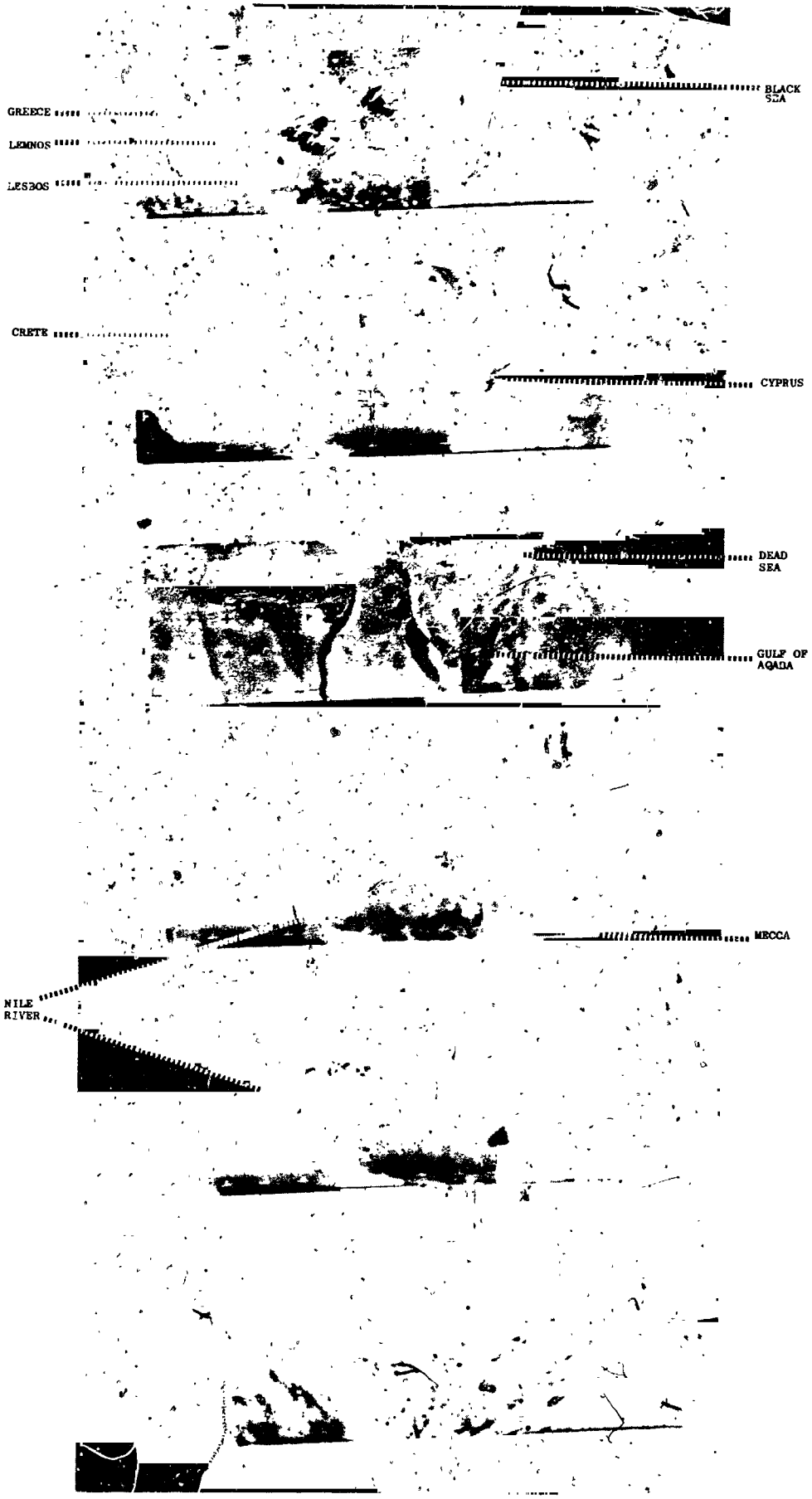


Figure A-29–Montage of Eastern Mediterranean and Red Sea Area

Figure A-30–Suez Canal and Nile River Valley

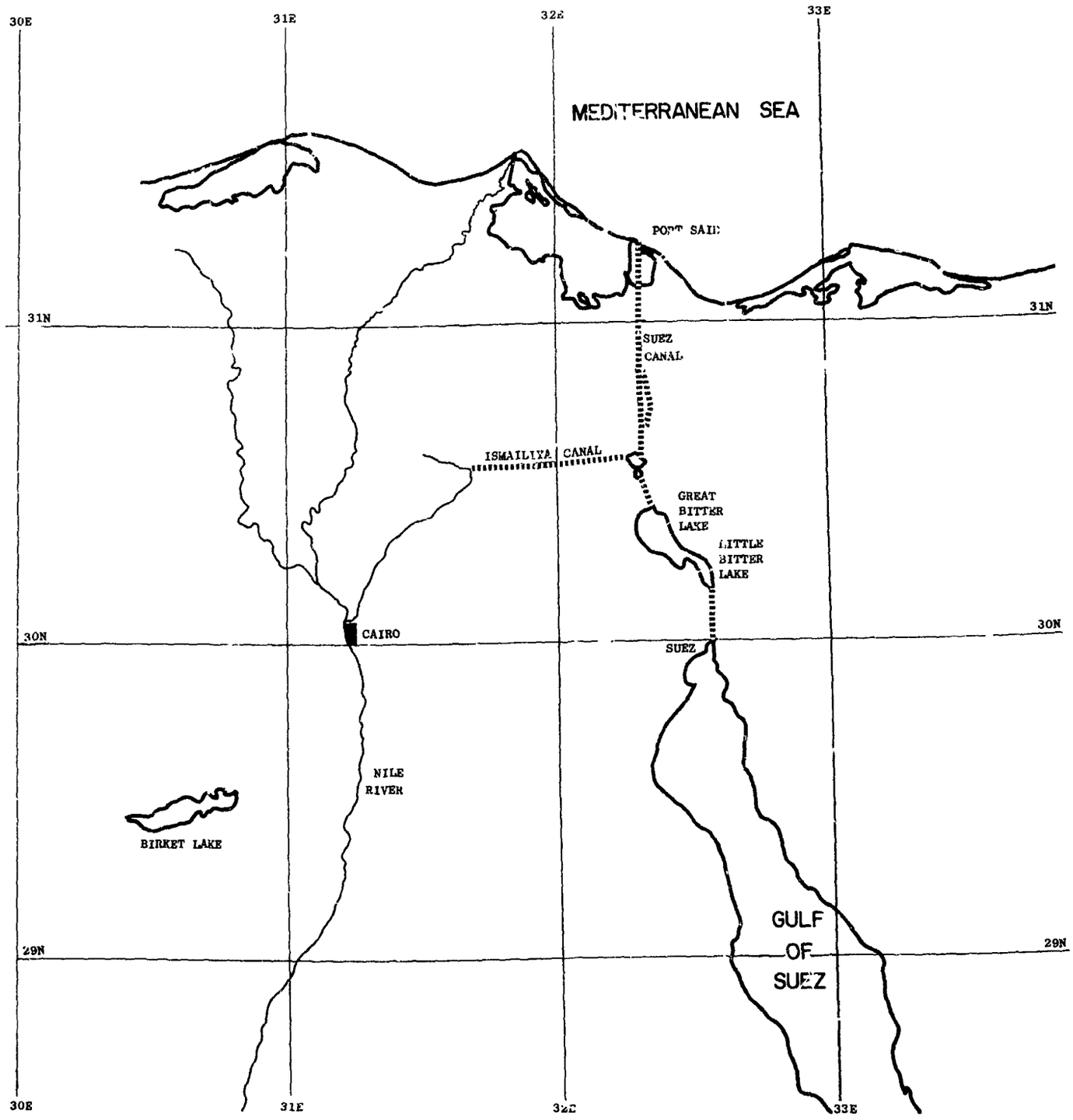


Figure A-31—Map of Northeast Egypt

The Nile River (Figure A-29) is visible southward to the Sudan. The Red Sea is obvious through to the last triplet where it meets the Gulf of Aden.

A.1.16 Electronic And Manual AVCS Grid

The AVCS grid format and annotation were discussed in Section 4.3.1, and some examples of the grids on a blank background were shown in Figure 9. In this section an example of an operational AVCS grid generated during the lifetime of Nimbus 1 is shown.

Figure A-32 is an enlargement of a camera 2 AVCS photograph taken at 11 03 36 UT, 31 August 1964 (orbit 46). The area observed in the photograph is the Irish Sea, the east coast of Ireland and the western part of England (Figure A-33). The Isle of Man is clearly visible near the center of the photograph.

Two sets of grids appear on the photograph; an electronically generated grid and a grid produced by careful manual techniques. The electronic grid was superposed on the data immediately following the spacecraft interrogation. The grid intersection at the arrowhead is identified by the annotation (top left of image area) as 54 degrees north latitude, 356 degrees east longitude, which is equivalent to four degrees west longitude. Successive grid lines occur in two degree increments from the keyed grid intersection (See Section 4.3.1 and Table III).

Each grid point is composed of three white picture elements followed by three black elements. (An element is 1/800 of the length of a scan line.) This grid point technique insures grid point visibility regardless of background density. All the elements of a particular grid point are contained within one televised scan line.

A vertical line consisting of superposed points (similar to grid points) appears at the right edge of the photograph. This line is used as a quick visual indication that grid points have been properly located within the image format. The user is cautioned not to infer any correlation between uniformity of this line and accuracy of geographic referencing.

A second set of perspective latitude-longitude lines has been added to Figure A-32. This second grid was manually determined by the techniques mentioned in Section 4.3.2.1, and is a more accurate geographic reference. The purpose of this grid comparison is to illustrate what might be termed an "excellent electronic grid fit" at the present state of the art. Differences between the two grid networks do not exceed 0.2 degrees (12 nautical miles) of great circle arc measured on the surface of the earth.

The electronic grid shown in Figure A-32 is among the best verified during the Nimbus I experiment. Unfortunately, not all grids meet this accuracy standard.

A.1.17 Gridded Montage of Central and Western Europe

Figure A-34 contains an outline approximating the coverage in the montage depicted in Figure A 35. Nimbus I photographed parts of Europe on 31 August 1964 (orbit 46). Pictures were gridded during the Nimbus I experiment. The center frame of the top triplet is identical to Figure A-32.

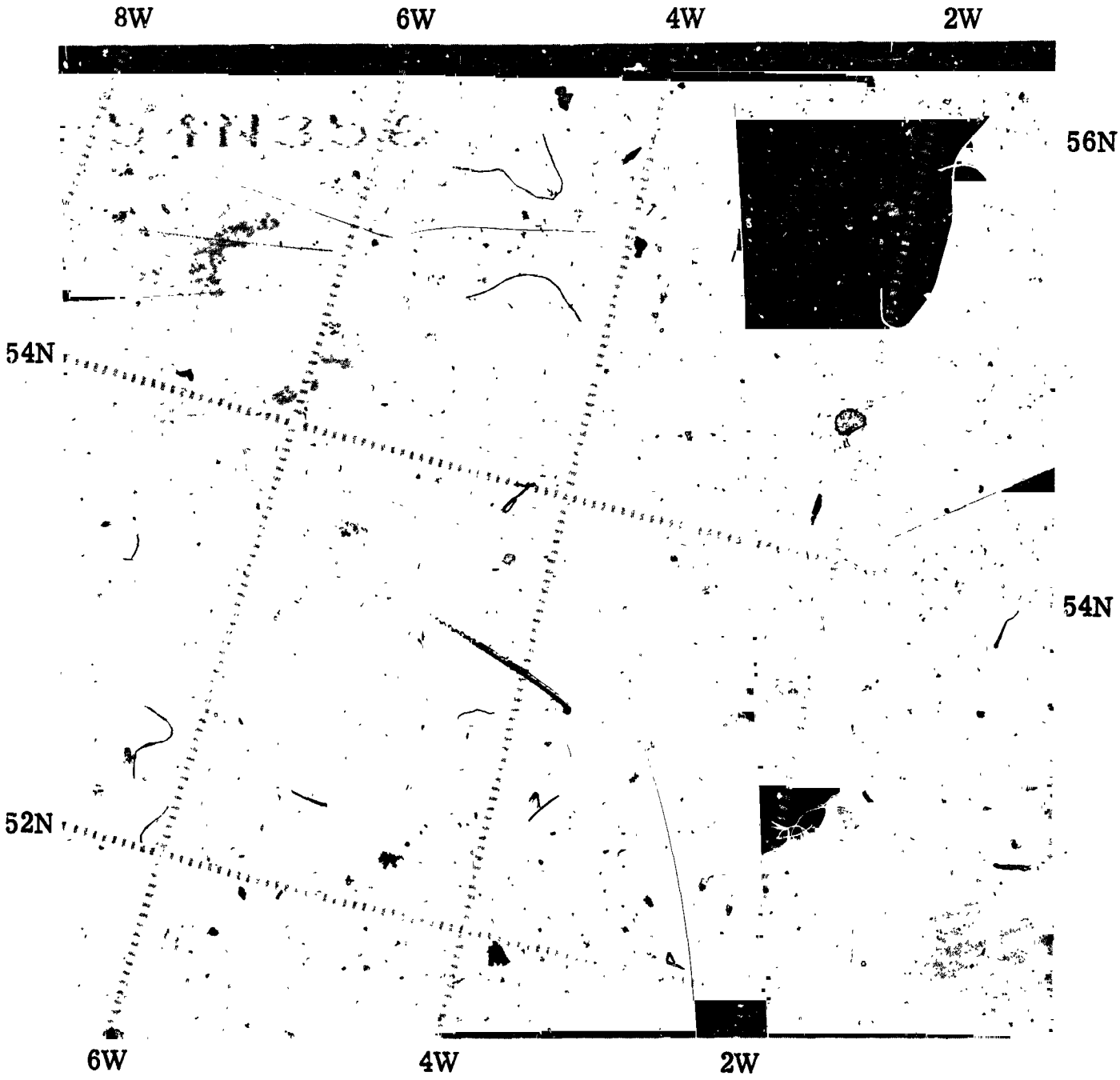


Figure A-32–Electronic and Manual AVCS Grid

Figure A-33–Map of Irish Sea Area

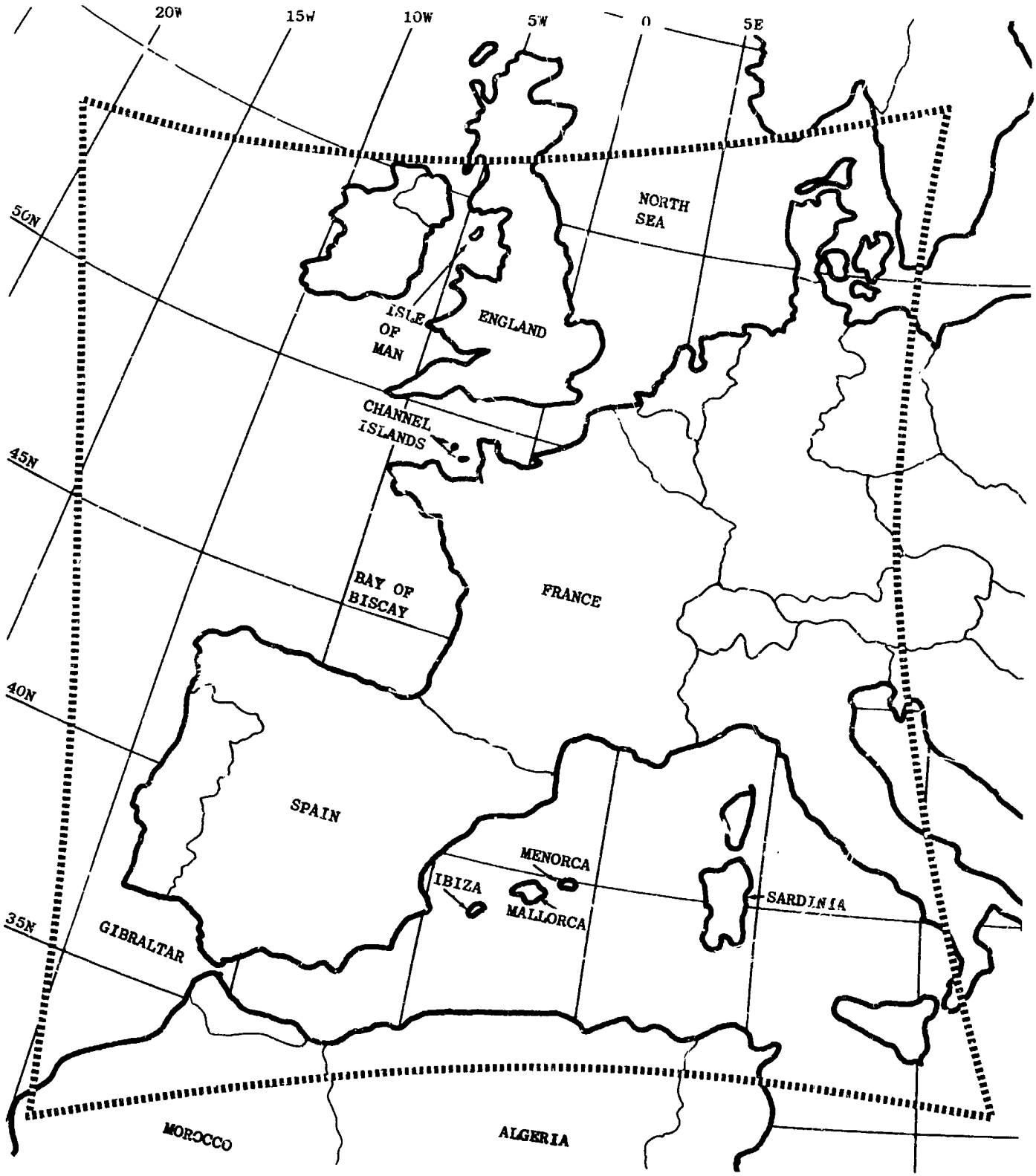


Figure A-34–Map of Central and Western Europe

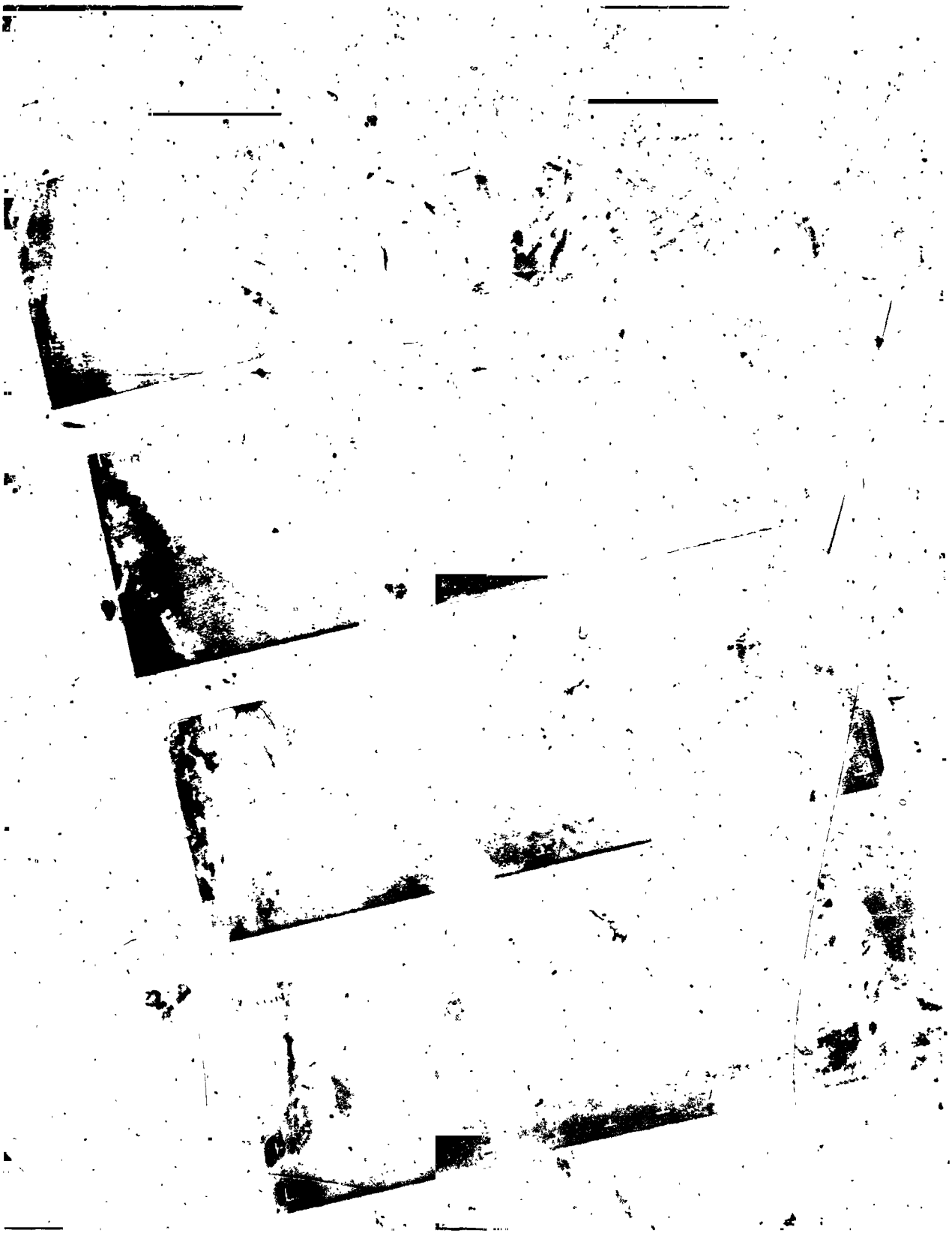


Figure A-35–Gridded Montage of Central and Western Europe

Prime interest in this montage is to indicate the appearance of a gridded swath of data. Triplets have been oriented so that longitude lines in the center camera are north-south if the reader assumes north at the top of the page. The wing cameras (1 and 3) show obvious signs of grid perspective.

Triplets have been spaced to represent essentially true scaling for the center frames. True scaling for camera 1 and 3 frames would require rectification.

A.2 AUTOMATIC PICTURE TRANSMISSION

A.2.1 APT vs AVCS Coverage

Table A-I lists the comparison between the APT and AVCS optics. Figure A-36 shows a comparison of the coverage of each camera system. The areas covered by the center and right camera of AVCS is superposed on an APT photograph. AVCS picture times were 19 04 06 and 19 05 37 UT. The APT photograph was taken at about 19 04 20 UT. Satellite height was approximately 715 km.

TABLE A-I
APT vs AVCS OPTICS

Item	AVCS	APT
Focal length, mm	16.5	5.7
Acceptance Angle, degrees (side to side)	36.5	88.9

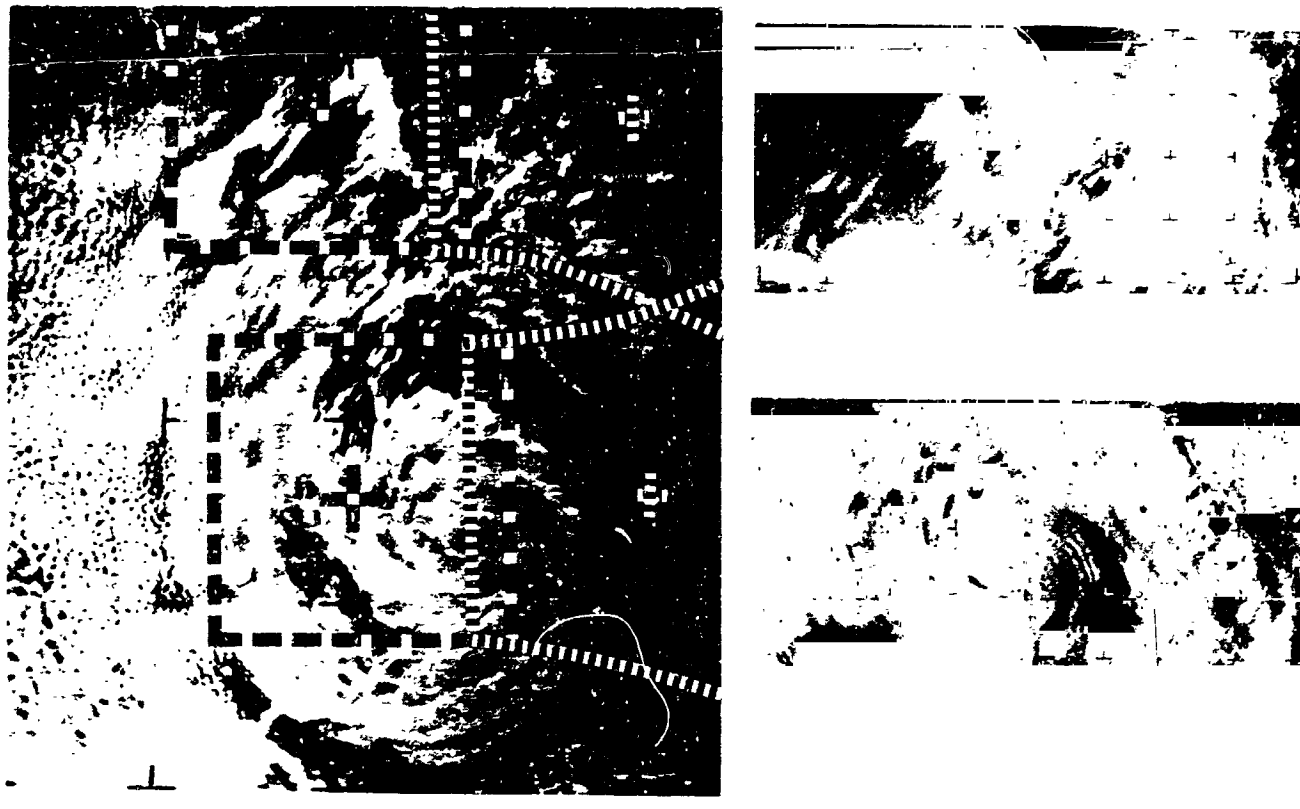
From the comparison shown in Figure A-36, it may be deduced that the coverage from three successive AVCS triplets is about equivalent to the coverage obtained in a single APT photograph.

The higher quality of the AVCS pictures, in both resolution and gray scale rendition should be noted.

A.2.2 APT Coverage of Northeast United States

The map of the northeast United States (Figure A-37) includes most of the geographic features identifiable in the APT photograph shown in Figure A-38. This photograph was acquired on 6 September (orbit 137) at the Goddard Space Flight Center APT ground station.

The area viewed in the APT photograph is approximately 725 × 725 nautical miles. High altitude photographs of the earth showing this magnitude of coverage should prove to be extremely useful on a real time basis, to airline meteorologists who have access to a



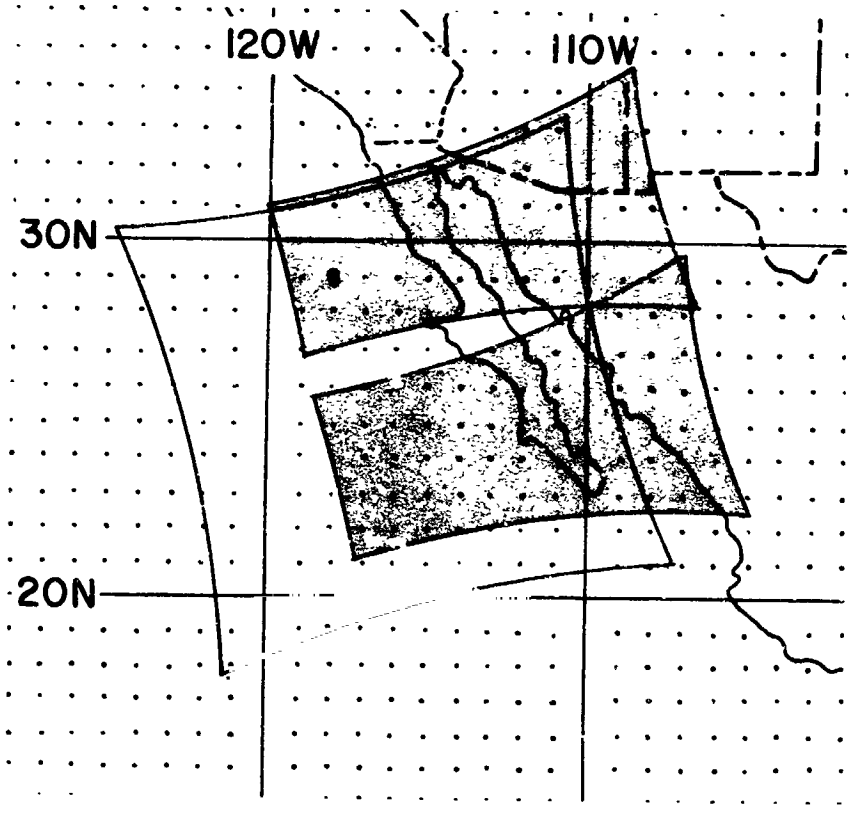


Figure A-36–APT vs. AVCS Coverage

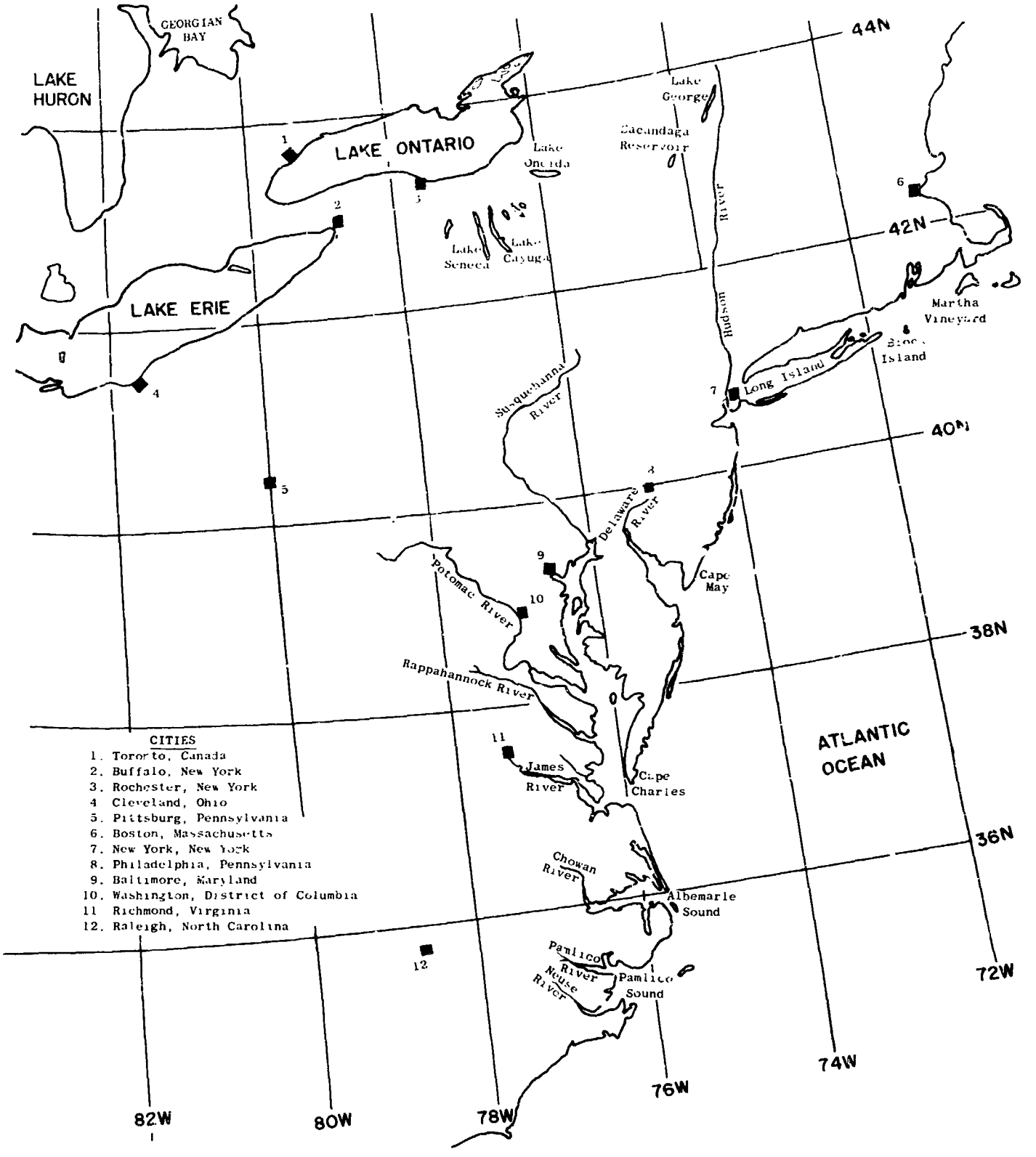


Figure A-37—Map of Northeast United States

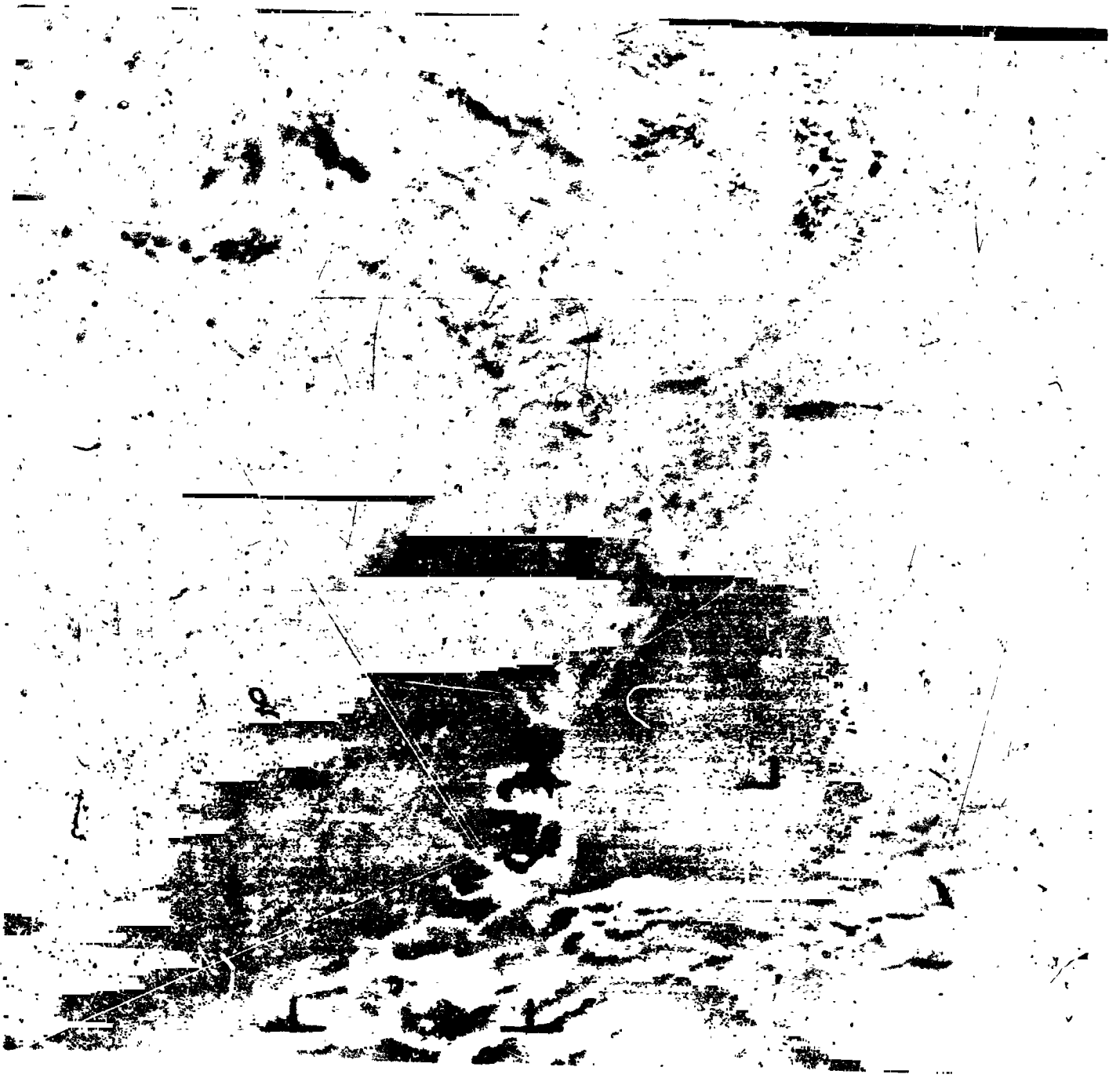


Figure A-38—Northeast United States

local APT ground station. Coverage obtained from the APT have increased value to meteorologists in areas where conventional meteorological data are sparse.

The portion of the earth's atmosphere viewed in Figure A-38 is one of the most congested air traffic routes in the world.

A.2.3 Gridded APT Mosaic

Photographs obtained from the Nimbus I APT system do not contain grids. However, APT photographs can be gridded manually by the techniques outlined in Reference 6. Figure A-39 is an example of a manually gridded APT mosaic accompanied by a map showing the coverage in the mosaic.

The photographs constituting the mosaic were acquired by the APT ground station at Goddard Space Flight Center, Greenbelt, Maryland, during orbit 35 on 30 August 1964. Geographic areas visible in the picture are identified in the figure. Hurricane Cleo is located at about 36N latitude and 82W longitude.

The mosaic consisting of four pictures covers a swath on the earth's surface of about 800 by nearly 3000 nautical miles. Irregularities of the mosaic boundaries are a result of variations in satellite height and slight deviations from the nominal attitude of the spacecraft. The photographic images were not rectified nor was any correction made for optical distortions.

A.2.4 Hurricane Coverage

The field of the wide angle lens of the APT system is sufficient to obtain complete coverage of a hurricane. Figure A-40 is an APT photograph of Hurricane Tillie. The picture was acquired shortly after 1900 UT (orbit 168) 8 September 1964, by the ground station at Point Mugu. California.

Baja California and the Gulf of California are visible at the right of the photograph. The eye of Hurricane Tillie is centered near 24N latitude and 114W longitude.

A.2.5 APT Samples From Europe

Figures A-41 and A-42 were obtained through the courtesy of the APT ground station personnel at Lannion, France.

Figure A-41 is a mosaic of two consecutive APT interrogations (31 August 1964, orbit 46). Picture times were approximately 10 59 44 and 11 03 12 UT. Satellite altitude was 765 and 715 km, respectively.

The APT mosaic covers part of the same area shown in the AVCS montage in Appendix A.1.17 (Figure A-35). It is interesting to note the differences in resolution and scale between the AVCS and APT systems.

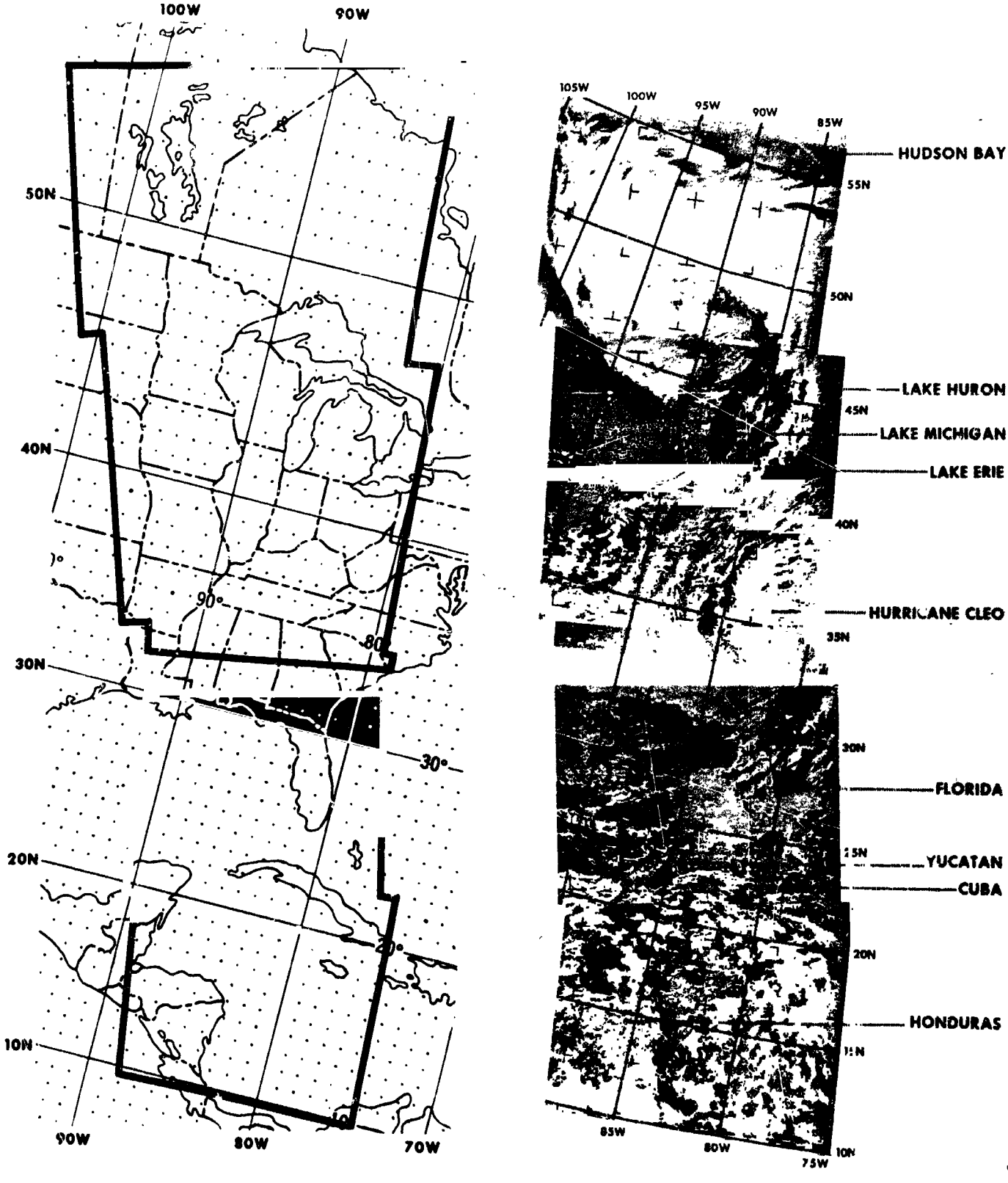


Figure A-39–Gridded APT Mosiac

Figure A-40–Hurricane Tillie

Figure A-41–APT Mosiac of Western Europe

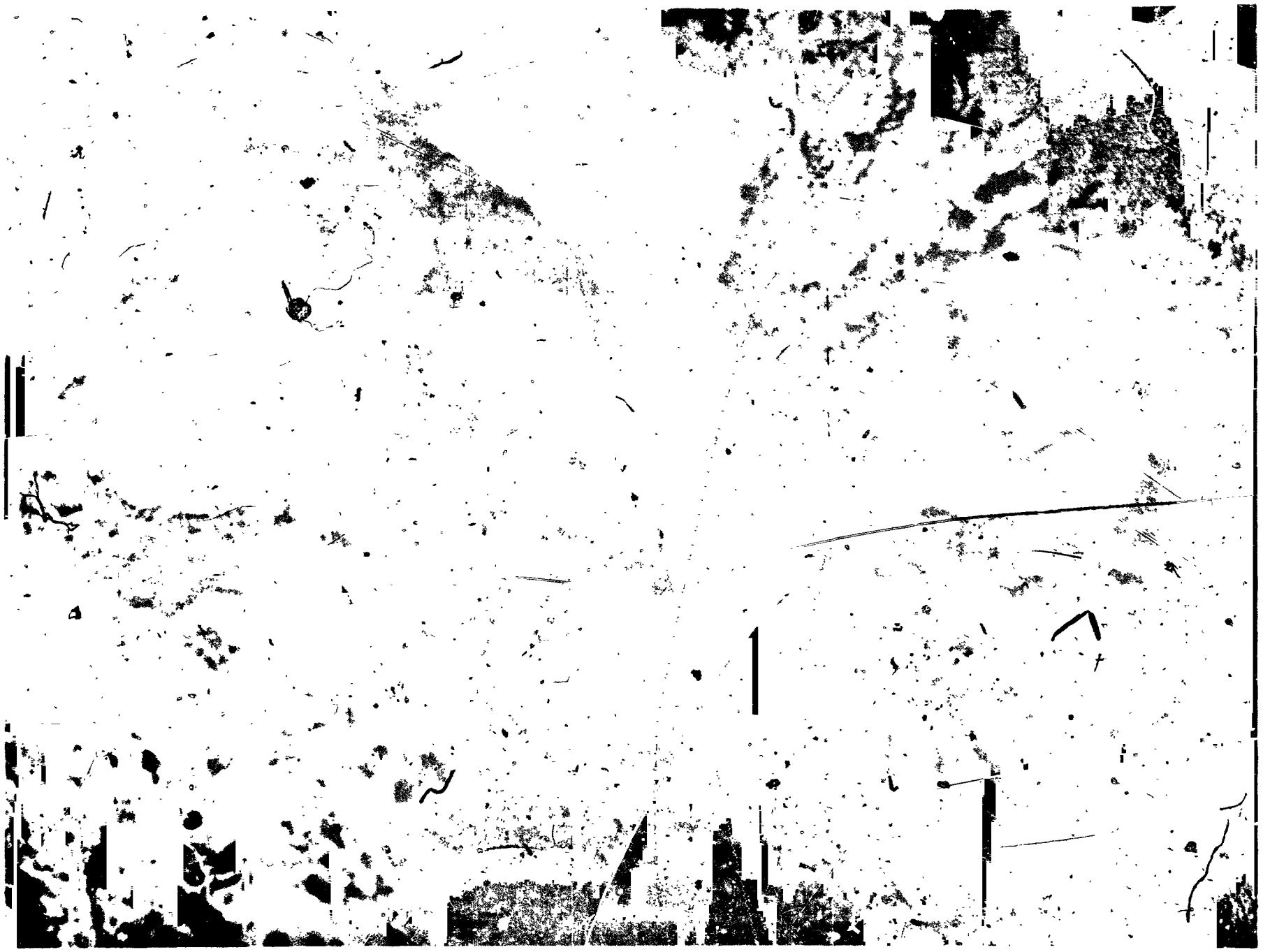


Figure A-42–Southern Italy and Greece

Figure A-42 was also acquired at Lannion, France. The picture was taken at about 10.5 minutes after ascending node. Italy and Sicily are clearly distinguishable. The Ionian Sea, Greece and the Aegean Sea are also in the picture.

APPENDIX B

NIMBUS I ASCENDING NODE DATA

B.1 MEAN DEFINITIVE ELEMENTS

Epoch	8 September 1964; 08 52 00 UT	
Semi-Major Axis	7056.35	Kilometers (4384.60 Miles)
Eccentricity	0.03610	
Inclination	98.663	Degrees
Mean Anomaly	177.097	Degrees
Argument of Perigee	160.744	Degrees
Motion	-3.1083	Degrees per Day
R. A. of Ascend. Node	150.201	Degrees
Motion	+1.0562	Degrees per Day
Anomalistic Period	98.31401	Minutes
Motion	-0.00012	Minutes per Day
Height of Perigee	423.22	Kilometers (262.98 Miles)
Height of Apogee	932.22	Kilometers (579.55 Miles)
Velocity at Perigee	28053.	Km. per Hr. (17431 Mi. per Hr.)
Velocity at Apogee	26098.	Km. per Hr. (16217 Mi. per Hr.)
Geocentric Latitude of Perigee	19.028	Degrees

B.2 ASCENDING NODES

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
28 August	1	08 58 29	38.98 E	922.9
28 August	2	10 36 55	14.37 E	922.6
28 August	3	12 15 21	10.23 W	922.2
28 August	4	13 53 47	34.84 W	921.9
28 August	5	15 32 13	59.44 W	921.5
28 August	6	17 10 40	84.05 W	921.2
28 August	7	18 49 06	108.65 W	920.9
28 August	8	20 27 32	133.26 W	920.4
28 August	9	22 05 58	157.86 W	920.2
28 August	10	23 44 24	177.54 E	919.7
29 August	11	01 22 51	152.93 E	919.4
29 August	12	03 01 17	128.33 E	919.0
29 August	13	04 39 43	103.72 E	918.6
29 August	14	06 18 09	79.12 E	918.3
29 August	15	07 56 35	54.51 E	917.8
29 August	16	09 35 02	29.91 E	917.5
29 August	17	11 13 28	5.30 E	917.1
29 August	18	12 51 54	19.30 W	916.7
29 August	19	14 30 20	43.91 W	916.3
29 August	20	16 08 46	68.51 W	915.9
29 August	21	17 47 13	93.11 W	915.5
29 August	22	19 25 39	117.72 W	915.1
29 August	23	21 04 05	142.32 W	914.7
29 August	24	22 42 31	166.93 W	914.3
30 August	25	00 20 57	168.47 E	913.9

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
30 August	26	01 59 23	143.86 E	913.4
30 August	27	03 37 50	119.26 E	913.0
30 August	28	05 16 16	94.65 E	912.6
30 August	29	06 54 42	70.05 E	912.2
30 August	30	08 33 08	45.44 E	911.8
30 August	31	10 11 34	20.84 E	911.3
30 August	32	11 50 01	3.77 W	910.9
30 August	33	13 28 27	28.37 W	910.4
30 August	34	15 06 53	52.97 W	910.0
30 August	35	16 45 19	77.58 W	909.5
30 August	36	18 23 45	102.18 W	909.1
30 August	37	20 02 11	126.79 W	908.6
30 August	38	21 40 38	151.39 W	908.1
30 August	39	23 19 04	176.00 W	907.8
31 August	40	00 57 30	159.40 E	907.2
31 August	41	02 35 56	134.79 E	906.8
31 August	42	04 14 22	110.19 E	906.3
31 August	43	05 52 49	85.59 E	905.8
31 August	44	07 31 15	60.98 E	905.4
31 August	45	09 09 41	36.38 E	904.9
31 August	46	10 48 07	11.77 E	904.4
31 August	47	12 26 33	12.83 W	903.9
31 August	48	14 04 59	37.44 W	903.5
31 August	49	15 43 26	62.04 W	902.9
31 August	50	17 21 52	86.65 W	902.4

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
31 August	51	19 00 18	111.25 W	901.9
31 August	52	20 38 44	135.85 W	901.4
31 August	53	22 17 10	160.46 W	900.9
31 August	54	23 55 36	174.94 E	900.4
1 September	55	01 34 03	150.33 E	899.9
1 September	56	03 12 29	125.73 E	899.4
1 September	57	04 50 55	101.12 E	898.9
1 September	58	06 29 21	76.52 E	898.3
1 September	59	08 07 47	51.91 E	897.8
1 September	60	09 46 13	27.31 E	897.3
1 September	61	11 24 39	2.71 E	896.7
1 September	62	13 03 06	21.90 W	896.3
1 September	63	14 41 32	46.50 W	895.7
1 September	64	16 19 58	71.11 W	895.2
1 September	65	17 58 24	95.71 W	894.6
1 September	66	19 36 50	120.32 W	894.1
1 September	67	21 15 16	144.92 W	893.5
1 September	68	22 53 42	169.53 W	893.0
2 September	69	00 32 09	165.87 E	892.4
2 September	70	02 10 35	141.27 E	891.8
2 September	71	03 49 01	116.66 E	891.3
2 September	72	05 27 27	92.06 E	890.7
2 September	73	07 05 53	67.45 E	890.2
2 September	74	08 44 19	42.85 E	889.6
2 September	75	10 22 45	18.24 E	889.0

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
2 September	76	12 01 12	6.36 W	888.5
2 September	77	13 39 38	30.96 W	887.8
2 September	78	15 18 04	55.57 W	887.3
2 September	79	16 56 30	80.17 W	886.7
2 September	80	18 34 56	104.78 W	886.1
2 September	81	20 13 22	129.38 W	885.5
2 September	82	21 51 48	153.99 W	884.9
2 September	83	23 30 15	178.59 W	884.3
3 September	84	01 08 41	156.80 E	883.7
3 September	85	02 47 07	132.20 E	883.2
3 September	86	04 25 33	107.60 E	882.5
3 September	87	06 03 59	82.99 E	882.0
3 September	88	07 42 25	58.39 E	881.3
3 September	89	09 20 51	33.78 E	880.7
3 September	90	10 59 17	9.18 E	880.1
3 September	91	12 37 44	15.43 W	879.5
3 September	92	14 16 10	40.03 W	878.9
3 September	93	15 54 36	64.63 W	878.2
3 September	94	17 33 02	89.24 W	877.6
3 September	95	19 11 28	113.84 W	876.9
3 September	96	20 49 54	138.45 W	876.4
3 September	97	22 28 20	163.05 W	875.7
4 September	98	00 06 46	172.35 E	875.1
4 September	99	01 45 12	147.74 E	874.4
4 September	100	03 23 39	123.14 E	873.8

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
4 September	101	05 02 05	98.53 E	873.2
4 September	102	06 40 31	73.93 E	872.5
4 September	103	08 18 57	49.32 E	871.9
4 September	104	09 57 23	24.72 E	871.2
4 September	105	11 35 49	0.12 E	870.5
4 September	106	13 14 15	24.49 W	869.9
4 September	107	14 52 41	49.09 W	869.2
4 September	108	16 31 07	73.70 W	868.6
4 September	109	18 09 34	98.30 W	867.9
4 September	110	19 48 00	122.91 W	867.3
4 September	111	21 26 26	147.51 W	866.5
4 September	112	23 04 52	172.11 W	865.9
5 September	113	00 43 18	163.28 E	865.2
5 September	114	02 21 44	138.68 E	864.5
5 September	115	04 00 10	114.07 E	863.8
5 September	116	05 38 36	89.47 E	863.1
5 September	117	07 17 02	64.87 E	862.5
5 September	118	08 55 28	40.26 E	861.7
5 September	119	10 33 54	15.66 E	861.1
5 September	120	12 12 21	8.95 W	860.4
5 September	121	13 50 47	33.55 W	859.7
5 September	122	15 29 13	58.16 W	859.0
5 September	123	17 07 39	82.76 W	858.3
5 September	124	18 46 05	107.36 W	857.6
5 September	125	20 24 31	131.97 W	856.8

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
5 September	126	22 02 57	156.57 W	856.2
5 September	127	23 41 23	178.82 E	855.4
6 September	128	01 19 49	154.22 E	854.7
6 September	129	02 58 15	129.62 E	854.0
6 September	130	04 36 41	105.01 E	853.3
6 September	131	06 15 07	80.41 E	852.6
6 September	132	07 53 33	55.80 E	851.8
6 September	133	09 32 00	31.20 E	851.2
6 September	134	11 10 26	6.60 E	850.4
6 September	135	12 48 52	18.01 W	849.7
6 September	136	14 27 18	42.61 W	848.9
6 September	137	16 05 44	67.22 W	848.2
6 September	138	17 44 10	91.82 W	847.5
6 September	139	19 22 36	116.42 W	846.7
6 September	140	21 01 02	141.03 W	846.0
6 September	141	22 39 28	165.63 W	845.2
7 September	142	00 17 54	169.76 E	844.5
7 September	143	01 56 20	145.16 E	843.7
7 September	144	03 34 46	120.55 E	843.0
7 September	145	05 13 12	95.95 E	842.2
7 September	146	06 51 38	71.35 E	841.5
7 September	147	08 30 04	46.74 E	840.7
7 September	148	10 08 30	22.14 E	839.9
7 September	149	11 46 57	2.47 W	839.2
7 September	150	13 25 23	27.07 W	838.4

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
7 September	151	15 03 49	51.67 W	837.7
7 September	152	16 42 15	76.28 W	836.9
7 Septe ber	153	18 20 41	100.88 W	836.1
7 September	154	19 59 07	125.49 W	835.4
7 September	155	21 37 33	150.09 W	834.6
7 September	156	23 15 59	174.69 W	833.8
8 September	157	00 54 25	160.70 E	833.0
8 September	158	02 32 51	136.10 E	832.3
8 September	159	04 11 17	111.50 E	831.5
8 September	160	05 49 43	86.89 E	830.7
8 September	161	07 28 09	62.29 E	829.9
8 September	162	09 06 35	37.68 E	829.1
8 September	163	10 45 01	13.08 E	828.4
8 September	164	12 23 27	11.52 W	827.5
8 September	165	14 01 53	36.13 W	826 7
8 September	166	15 40 19	60.73 W	825.9
8 September	167	17 18 45	85.34 W	825.1
8 September	168	18 57 11	109.94 W	824.3
8 September	169	20 35 37	134.54 W	823.5
8 September	170	22 14 03	159.15 W	822.8
8 September	171	23 52 29	176.25 E	821.9
9 September	172	01 30 55	151.64 E	821.1
9 September	173	03 09 21	127.04 E	820.3
9 September	174	04 47 47	102.44 E	819.5
9 September	175	06 26 13	77.83 E	818.7

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
9 September	176	08 04 39	53.23 E	817.9
9 September	177	09 43 05	28.63 E	817.1
9 September	178	11 21 31	4.02 E	816.2
9 September	179	12 59 57	20.58 W	815.4
9 September	180	14 38 24	45.19 W	814.6
9 September	181	16 16 50	69.79 W	813.8
9 September	182	17 55 16	94.39 W	812.9
9 September	183	19 33 42	119.00 W	812.1
9 September	184	21 12 08	143.60 W	811.3
9 September	185	22 50 34	168.21 W	810.4
10 September	186	00 29 00	167.19 E	809.6
10 September	187	02 07 26	142.59 E	808.8
10 September	188	03 45 52	117.98 E	808.0
10 September	189	05 24 18	93.38 E	807.1
10 September	190	07 02 44	68.78 E	806.3
10 September	191	08 41 10	44.17 E	805.4
10 September	192	10 19 36	19.57 E	804.6
10 September	193	11 58 02	5.04 W	803.8
10 September	194	13 36 28	29.64 W	802.9
10 September	195	15 14 54	54.24 W	802.1
10 September	196	16 53 19	78.85 W	801.2
10 September	197	18 31 45	103.45 W	800.3
10 September	198	20 10 11	128.05 W	799.5
10 September	199	21 48 37	152.66 W	798.6
10 September	200	23 27 03	177.26 W	797.8

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
11 September	201	01 05 29	158.13 E	796.9
11 September	202	02 43 55	133.53 E	796.1
11 September	203	04 22 21	108.93 E	795.2
11 September	204	06 00 47	84.32 E	794.4
11 September	205	07 39 13	59.72 E	793.5
11 September	206	09 17 39	35.12 E	792.6
11 September	207	10 56 05	10.51 E	791.8
11 September	208	12 34 31	14.09 W	790.9
11 September	209	14 12 57	38.69 W	790.0
11 September	210	15 51 23	63.30 W	789.2
11 September	211	17 29 49	87.90 W	788.3
11 September	212	19 08 15	112.51 W	787.4
11 September	213	20 46 41	137.11 W	786.5
11 September	214	22 25 07	161.71 W	785.7
12 September	215	00 03 33	173.68 E	784.8
12 September	216	01 41 59	149.08 E	783.9
12 September	217	03 20 25	124.48 E	783.0
12 September	218	04 58 51	99.87 E	782.2
12 September	219	06 37 17	75.27 E	781.3
12 September	220	08 15 43	50.67 E	780.4
12 September	221	09 54 09	26.06 E	779.5
12 September	222	11 32 35	1.46 E	778.6
12 September	223	13 11 01	23.15 W	777.7
12 September	224	14 49 27	47.75 W	776.8
12 September	225	16 27 53	72.35 W	776.0

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
12 September	226	18 06 19	96.96 W	775.1
12 September	227	19 44 45	121.56 W	774.2
12 September	228	21 23 10	146.16 W	773.3
12 September	229	23 01 36	170.77 W	772.4
13 September	230	00 40 02	164.63 E	771.5
13 September	231	02 18 28	140.03 E	770.6
13 September	232	03 56 54	115.42 E	769.7
13 September	233	05 35 20	90.82 E	768.8
13 September	234	07 13 46	66.22 E	767.9
13 September	235	08 52 12	41.61 E	767.0
13 September	236	10 30 38	17.01 E	766.1
13 September	237	12 09 04	7.60 W	765.2
13 September	238	13 47 30	32.20 W	764.3
13 September	239	15 25 56	56.80 W	763.4
13 September	240	17 04 22	81.41 W	762.5
13 September	241	18 42 48	106.01 W	761.6
13 September	242	20 21 14	130.61 W	760.7
13 September	243	21 59 39	155.22 W	759.8
13 September	244	23 38 05	179.82 W	758.9
14 September	245	01 16 31	155.58 E	757.9
14 September	246	02 54 57	130.97 E	757.0
14 September	247	04 33 23	106.37 E	756.1
14 September	248	06 11 49	81.77 E	755.2
14 September	249	07 50 15	57.16 E	754.3
14 September	250	09 28 41	32.56 E	753.4

DATE (1964)	ORBIT	TIME (U) (hr min sc)	LONGITUDE (degrees)	HEIGHT (km)
14 September	251	11 07 07	7.96 E	752.5
14 September	252	12 45 33	16.65 W	751.5
14 September	253	14 23 59	41.25 W	750.6
14 September	254	16 02 25	65.85 W	749.7
14 September	255	17 40 50	90.46 W	748.8
14 September	256	19 19 16	115.06 W	747.9
14 September	257	20 57 42	139.66 W	747.0
14 September	258	22 36 08	164.27 W	746.0
15 September	259	00 14 34	171.13 E	745.1
15 September	260	01 53 00	146.53 E	744.2
15 September	261	03 31 26	121.92 E	743.3
15 September	262	05 09 52	97.32 E	742.3
15 September	263	06 48 18	72.72 E	741.4
15 September	264	08 26 44	48.11 E	740.5
15 September	265	10 05 10	23.51 E	739.6
15 September	266	11 43 35	1.09 W	738.6
15 September	267	13 22 01	25.70 W	737.7
15 September	268	15 00 27	50.30 W	736.8
15 September	269	16 38 53	74.90 W	735.9
15 September	270	18 17 19	99.51 W	734.9
15 September	271	19 55 45	124.11 W	734.0
15 September	272	21 34 11	148.71 W	733.1
15 September	273	23 12 37	173.32 W	732.1
16 September	274	00 51 03	162.08 E	731.2
16 September	275	02 29 28	137.48 E	730.3

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
16 September	276	04 07 54	112.87 E	729.3
16 September	277	05 46 20	88.27 E	728.4
16 September	278	07 24 46	63.67 E	727.5
16 September	279	09 03 12	39.06 E	726.5
16 September	280	10 41 38	14.46 E	725.6
16 September	281	12 20 04	10.14 W	724.7
16 September	282	13 58 29	34.75 W	723.7
16 September	283	15 36 55	59.35 W	722.8
16 September	284	17 15 21	83.95 W	721.9
16 September	285	18 53 47	108.56 W	720.9
16 September	286	20 32 13	133.16 W	720.0
16 September	287	22 10 39	157.76 W	719.1
16 September	288	23 49 05	177.63 E	718.1
17 September	289	01 27 31	153.03 E	717.2
17 September	290	03 05 56	128.43 E	716.2
17 September	291	04 44 22	103.82 E	715.3
17 September	292	06 22 48	79.22 E	714.4
17 September	293	08 01 14	54.62 E	713.4
17 September	294	09 39 40	30.02 E	712.5
17 September	295	11 18 06	5.41 E	711.6
17 September	296	12 56 32	19.19 W	710.6
17 September	297	14 34 57	43.79 W	709.7
17 September	298	16 13 23	68.40 W	708.7
17 September	299	17 51 49	93.00 W	707.8
17 September	300	19 30 15	117.60 W	706.9

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
17 September	301	21 08 41	142.21 W	705.9
17 September	302	22 47 07	166.81 W	705.0
18 September	303	00 25 32	168.59 E	704.0
18 September	304	02 03 58	143.98 E	703.1
18 September	305	03 42 24	119.38 E	702.2
18 September	306	05 20 50	94.78 E	701.2
18 September	307	06 59 16	70.17 E	700.3
18 September	308	08 37 42	45.57 E	699.3
18 September	309	10 16 07	20.97 E	698.4
18 September	310	11 54 33	3.63 W	697.4
18 September	311	13 32 59	28.24 W	696.5
18 September	312	15 11 25	52.84 W	695.6
18 September	313	16 49 51	77.44 W	694.6
18 September	314	18 28 17	102.05 W	693.7
18 September	315	20 06 42	126.65 W	692.7
18 September	316	21 45 08	151.25 W	691.8
18 September	317	23 23 34	175.86 W	690.8
19 September	318	01 02 00	159.54 E	689.9
19 September	319	02 40 26	134.94 E	689.0
19 September	320	04 18 52	110.33 E	688.0
19 September	321	05 57 17	85.73 E	687.1
19 September	322	07 35 43	61.13 E	686.1
19 September	323	09 14 09	36.53 E	685.2
19 September	324	10 52 35	11.92 E	684.3
19 September	325	12 31 01	12.68 W	683.3

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
19 September	326	14 09 26	37.28 W	682.4
19 September	327	15 47 52	61.89 W	681.4
19 September	328	17 26 18	86.49 W	680.5
19 September	329	19 04 44	111.09 W	679.5
19 September	330	20 43 10	135.70 W	678.6
19 September	331	22 21 35	160.30 W	677.7
20 September	332	00 00 01	175.10 E	676.7
20 September	333	01 38 27	150.50 E	675.8
20 September	334	03 16 53	125.89 E	674.8
20 September	335	04 55 19	101.29 E	673.9
20 September	336	06 33 44	76.69 E	673.0
20 September	337	08 12 10	52.08 E	672.0
20 September	338	09 50 36	27.48 E	671.1
20 September	339	11 29 02	2.88 E	670.1
20 September	340	13 07 28	21.72 W	669.2
20 September	341	14 45 53	46.33 W	668.3
20 September	342	16 24 19	70.93 W	667.3
20 September	343	18 02 45	95.53 W	666.4
20 September	344	19 41 11	120.14 W	665.5
20 September	345	21 19 36	144.74 W	664.5
20 September	346	22 58 02	169.34 W	663.6
21 September	347	00 36 28	166.06 E	66[illegible].7
21 September	348	02 14 54	141.45 E	661.7
21 September	349	03 53 20	116.85 E	660.8
21 September	350	05 31 45	92.25 E	659.8

DATE (1964)	ORBIT	TIME (U) (hr mn sc)	LONGITUDE (degrees)	HEIGHT (km)
21 September	351	07 10 11	67.64 E	658.9
21 September	352	08 48 37	43.04 E	658.0
21 September	353	10 27 03	18.44 E	657.0
21 September	354	12 05 28	6.16 W	656.1
21 September	355	13 43 54	30.77 W	655.2
21 September	356	15 22 20	55.37 W	654.3
21 September	357	17 00 46	79.97 W	653.3
21 September	358	18 39 12	104.58 W	652.4
21 September	359	20 17 37	129.18 W	651.5
21 September	360	21 56 03	153.78 W	650.5
21 September	361	23 34 29	178.38 W	649.6
22 September	362	01 12 55	157.01 E	648.7
22 September	363	02 51 20	132.41 E	647.8
22 September	364	04 29 46	107.81 E	646.8
22 September	365	06 08 12	83.21 E	645.9
22 September	366	07 46 38	58.60 E	645.0
22 September	367	09 25 03	34.00 E	644.0
22 September	368	11 03 29	9.40 E	643.1
22 September	369	12 41 55	15.21 W	642.2
22 September	370	14 20 21	39.81 W	641.3
22 September	371	15 58 46	64.41 W	640.3
22 September	372	17 37 12	89.01 W	639.4
22 September	373	19 15 38	113.62 W	638.5
22 September	374	20 54 04	138.22 W	637.6
22 September	375	22 32 29	162.82 W	636.7

APPENDIX C

TERMINOLOGY

C.1 NOMENCLATURE

The following brief list of terms are not all specifically defined in the textual material. They are, however, frequently used when discussing the Nimbus spacecraft and satellite meteorology.

ANOMALISTIC PERIOD: Time required for a satellite to travel, in its orbit, from perigee to successive perigee.

APOGEE: The point in an orbit which is furthest from the center of the earth.

ASCENDING NODE: The point in a satellite orbit at which the satellite crosses the equator from south to north.

ATTITUDE: Specification of satellite orientation at a point in space.

DATA ACQUISITION FACILITY: The ground receiving and transmitting antenna system capable of commanding and acquiring data from the Nimbus spacecraft.

DATA ORBIT: The orbit during which data were acquired by the Nimbus spacecraft.

DESCENDING NODE: The point in a satellite orbit at which the satellite crosses the equator from north to south.

EPHEMERIS: A tabulation of a spacecraft location at regular time intervals.

FIDUCIAL MARKS: Positioned reference marks superposed on an optical system so that they are visible on all images recorded through the optical system.

HEADING LINE: The instantaneous projection of the satellite path onto a non-rotating earth.

INTERROGATION ORBIT: Orbit during which data were played back from the satellite to the ground station.

NIMBUS: A second generation experimental meteorological earth satellite.

ORBIT NUMBER: Numerical identification of satellite revolutions around the earth. By convention orbit numbers are assigned to a given spacecraft referenced at successive ascending nodes. Orbit zero is understood to be the spacecraft path between injection and the first ascending node.

PERIGEE: The point in an orbit which is nearest the center of the earth.

RASTER LINE: A single scan line on a television system.

TIROS: First generation meteorological satellite.

C.2 ABBREVIATIONS

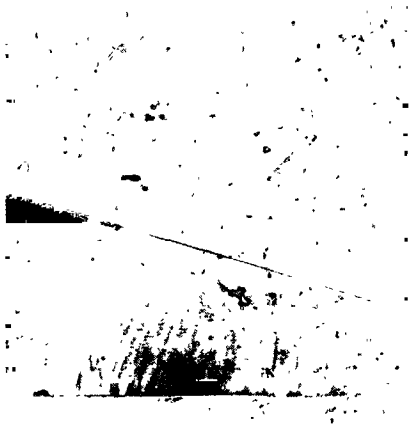
Following is an alphabetical listing of common abbreviations used in the AVCS Data Logs and in the text:

ASC	Ascending
APT	Automatic Picture Transmission
AVCS	Advanced Vidicon Camera System
Cb	Cumulonimbus
Cen	Central
Ci	Cirrus
Cifm	Cirriform
Cst	Coast
Cu	Cumulus
Cufm	Cumuliform
E	East, Eastern
HRIR	High Resolution Infrared Radiometer
I(s)	Island(s)
ITC	Intertropical Convergence
Mt(s)	Mountain(s)
N	North, Northern
NASA	National Aeronautics and Space Administration
Pen	Peninsula
S	South, Southern

St	Stratus
Stfm	Stratiform
UT	Universal Time
W	West, Western

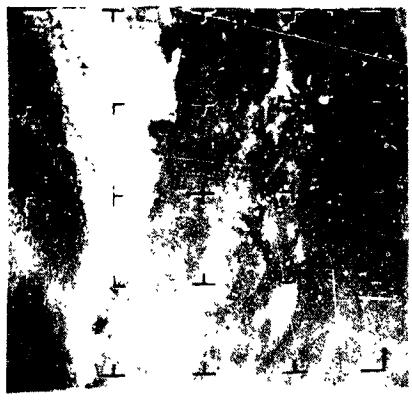
C.3 PICTORIAL SAMPLES OF DESCRIPTORS

Descriptive terms used to classify phenomena observed in high altitude pictures are not completely standarized. This is especially true in the field of satellite meteorology. To assist the reader in correlating descriptors in the Meteorological Contents of the AVCS Data Logs with a visualization of AVCS image content, a series of typical images are correlated with some of the descriptors used in the logs.



ITC

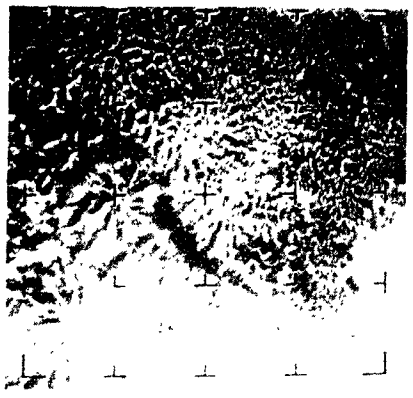
STORM AREA



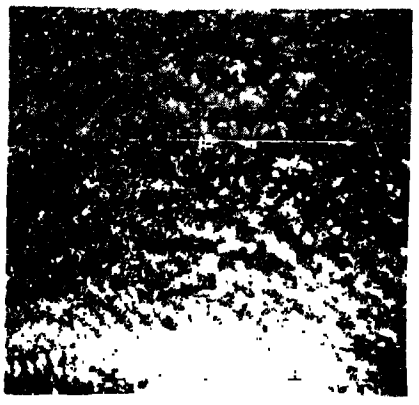
STRATUS ALONG COAST

SMALL CU OVER LAND

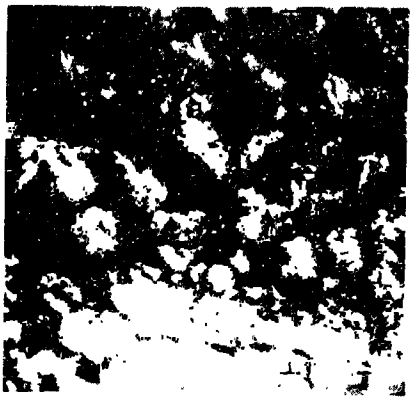
Figure C-1—Pictorial Samples of Descriptors



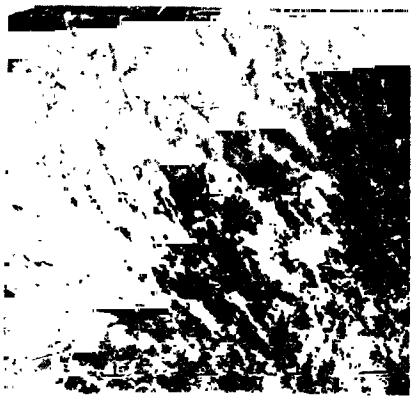
ACTINIFORM



CELLULAR

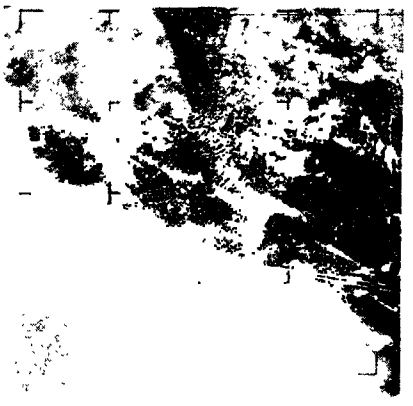


LARGE CELLS

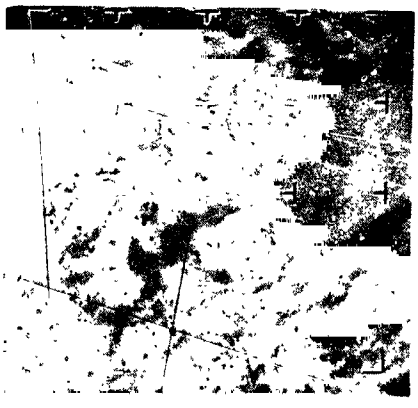


FIBROUS

STREAKS



STREETS



CIRRUS

EDDIES

SHEAR

Figure C-2–Pictorial Samples of Descriptors

APPENDIX D

DATA REQUESTS FROM NASA

As resources permit, limited quantities of data will be furnished to investigators without charge. Otherwise, data will be furnished for production costs or less. Whenever it is determined that a charge is required, a cost estimate will be provided to the user prior to filling the data request.

To the extent of available resources and capabilities a limited number of special requirement requests will be considered.

Requests for Nimbus I AVCS data should be addressed to:

Nimbus Data, Code 650
Aeronomy and Meteorology Division
National Aeronautics and Space Administration
Goddard Space Flight Center
Greenbelt, Maryland 20771

Reproduced AVCS data documented in this catalog will be made available to research users by the National Aeronautics and Space Administration in the following 70 mm forms:

1. Negative Transparencies
2. Positive Transparencies
3. Positive Contact Prints

Any of the above forms can be provided in either dodged or undodged reproductions. Dodging is a technique whereby the original image is photographically enhanced by exposure variation.

Gridded AVCS pictures will be disseminated to requestors wherever possible. Otherwise ungridded pictures will be substituted.

It will be the responsibility of the user to completely specify his requirements. All specifications for data should be referenced to the AVCS Data Logs presented in Section 5. Following is a list of items and sample remarks which must be specified with all data requests:

Specified Items	Sample Remarks
1. Spacecraft	Nimbus I
2. Data Orbit	210/211

Specified Items	Sample Remarks
3. Date	11 September 1964
4. Catalog Number	13-211-60578 through and including 23-211-60578
5. Index Frame	13 through and including 23
6. Camera Number	Camera number 2 and 3 only
7. Reproduction Form	Negative Transparencies
8. Dodged or Undodged	Undodged
9. Intended Data Utilization	Study of cloud structure near South American Coast
10. Affiliation of Requestor	Staff Meteorologist
11. Return Mailing Address	

APPENDIX E

DATA REQUESTS FROM U.S. WEATHER BUREAU

E.1 INTRODUCTION

Most of the television cloud photography obtained from Nimbus I will be archived for permanent storage by the U.S. Weather Bureau at the National Weather Records Center, Asheville, North Carolina. The following sections describe the Weather Bureau indexing system, the forms in which the photographs will be stored, and how copies may be obtained from the Records Center.

E.2 U.S. WEATHER BUREAU INDEXING SYSTEM

In the Weather Bureau system, Nimbus pictures are indexed by date, track number, and zone number. Figure E-1 is a map showing the geographical areas defined by track and zone numbers. The map is applicable to the entire usable lifetime of Nimbus I By reference to the map, the track and zone numbers of any picture may be used directly to determine the geographic location of the sub-satellite point at the time the picture was taken. Similarly, if pictures of a particular geographic location are desired, reference to the map will determine immediately the track number and zone of the applicable pictures.

The pictures taken on one south-to-north daylight swath, and listed on one page of the AVCS Data Log in Section 5 of this catalog, are uniquely identified by a date and track number. This date and track number is entered in the upper left corner of each log page under the notation "WEATHER BUREAU DESIGNATION".

Track and zone numbers have meanings as follows:

A "track" is the path on the earth's surface followed by the sub-satellite point during one complete pass around the earth. It is defined to begin at one descending node and end at the next one. Each day's tracks are numbered, starting with number 1 for the track beginning at the first descending node after midnight GCT, and continuing to number 14 or 15 for the track beginning at the last descending node prior to the next midnight GCT day. The numbering starts again with number 1 for the first track of the next GCT day. There are either 14 or 15 tracks each day because Nimbus I made 14.6 passes around its orbit in 24 hours. Since the Nimbus I orbit was nearly sun-synchronous, track number 1 every day always falls within the specific geographic area shown on the map in Figure E-1. Similarly, the other tracks of the day always fall within their corresponding numbered areas on the map. The width of these areas is the distance the earth rotates during one orbital period.

The "zone" is the latitude interval along the track traveled by the sub-satellite point during one-hundredth of the orbital period. Zones are numbered from 1 to 100

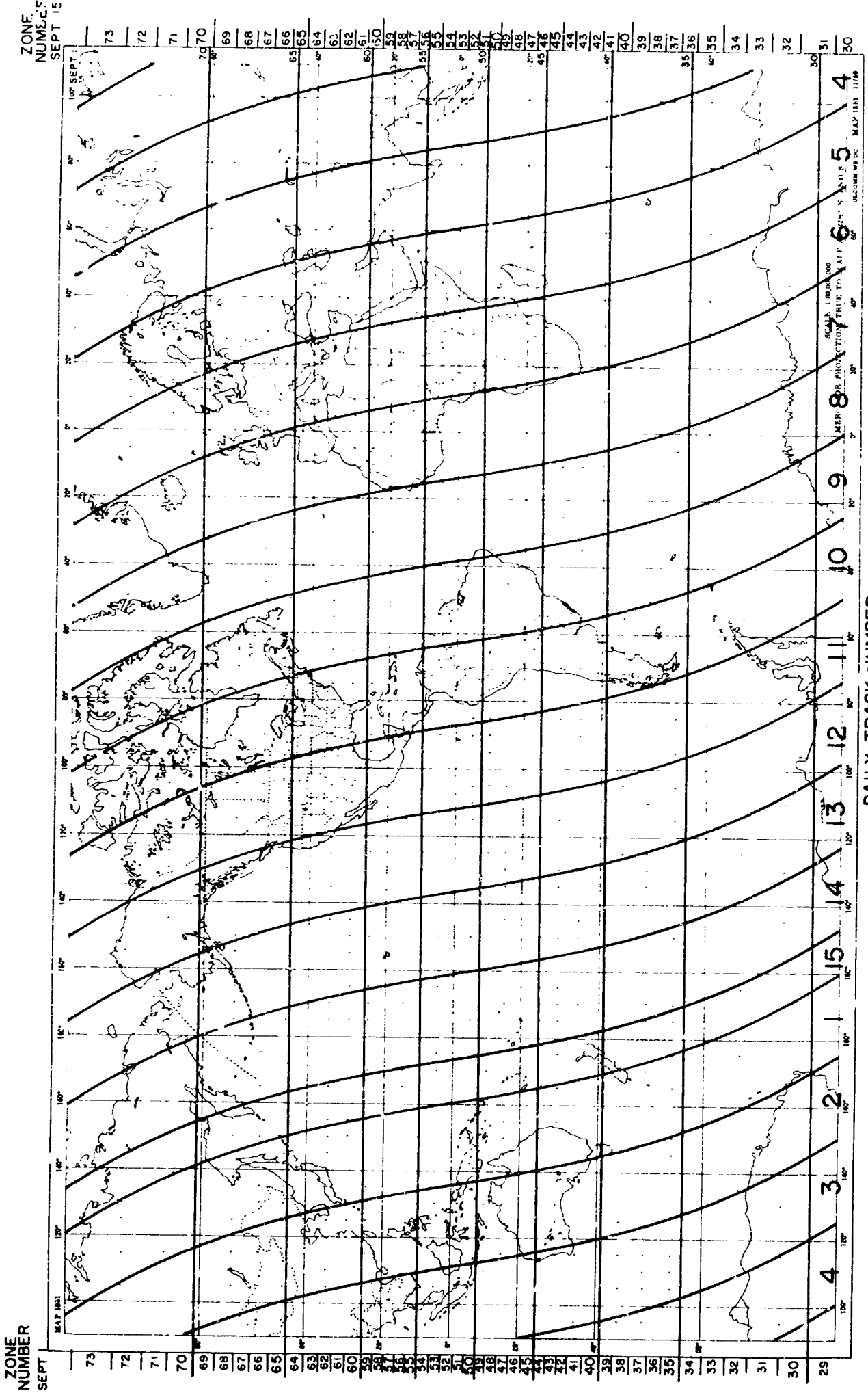


Figure E-1–Key to Track and Zone Numbers

beginning at the descending node. The latitude boundaries of the zones are the same for all tracks. Zone numbers for the daylight portion of the tracks are shown on scales along the left and right edges of the map. Because of the relatively large ellipticity of the Nimbus I orbit, the zone number scale drifts slightly through the operational period. Thus, the scale at the left edge of the map is for dates near September 1, and the right scale is for dates near September 15. Both scales are shown at the right for comparison of the amount of drift between those dates. There will be natural gaps in the series of zone numbers assigned to triads within a pass because the time interval between triads is greater than the time interval between zones. However, the natural gaps follow an easily recognizable pattern, so that unscheduled gaps caused by missing triads will also be easily recognized.

E.3 FORMS OF ARCHIVAL STORAGE

Nimbus I pictures will be stored at the Records Center in the following forms:

E.3.1 Microform Film Sheets

The pictures taken on each track are assembled on an 8-1/2" × 11" microform film sheet (Figure E-2). The pictures are positives, and have latitude and longitude grid lines superimposed. The date, track number, and equator crossing are included in the heading along the left edge of each sheet. The zone number is entered at the right side of each triad and is applicable to all three pictures in the triad. Blank areas on the sheets normally indicate missing pictures. The equator-crossing longitude, given in the heading, positions the track precisely within the geographic area and allows more accurate location of the sub-satellite point for any picture.

Date, track number and zone number are all included in the top line of the small legend beneath each picture. Other legend elements in the top line are identified by labels in the bottom line. (See Figure E-3).

E.3.2 35 mm Film in Roll Form

Nimbus I pictures also are stored in chronological order on 100-foot reels of 35 mm films. Separate collections of gridded and ungridded pictures are maintained, each collection being in both positive and negative forms.

The legend beneath each picture is the same as on the microform film sheets, and the content of each film reel is identified by dates and track numbers at the beginning of each reel.

The 35 mm film can also be reproduced with automatic dodging enhancement.

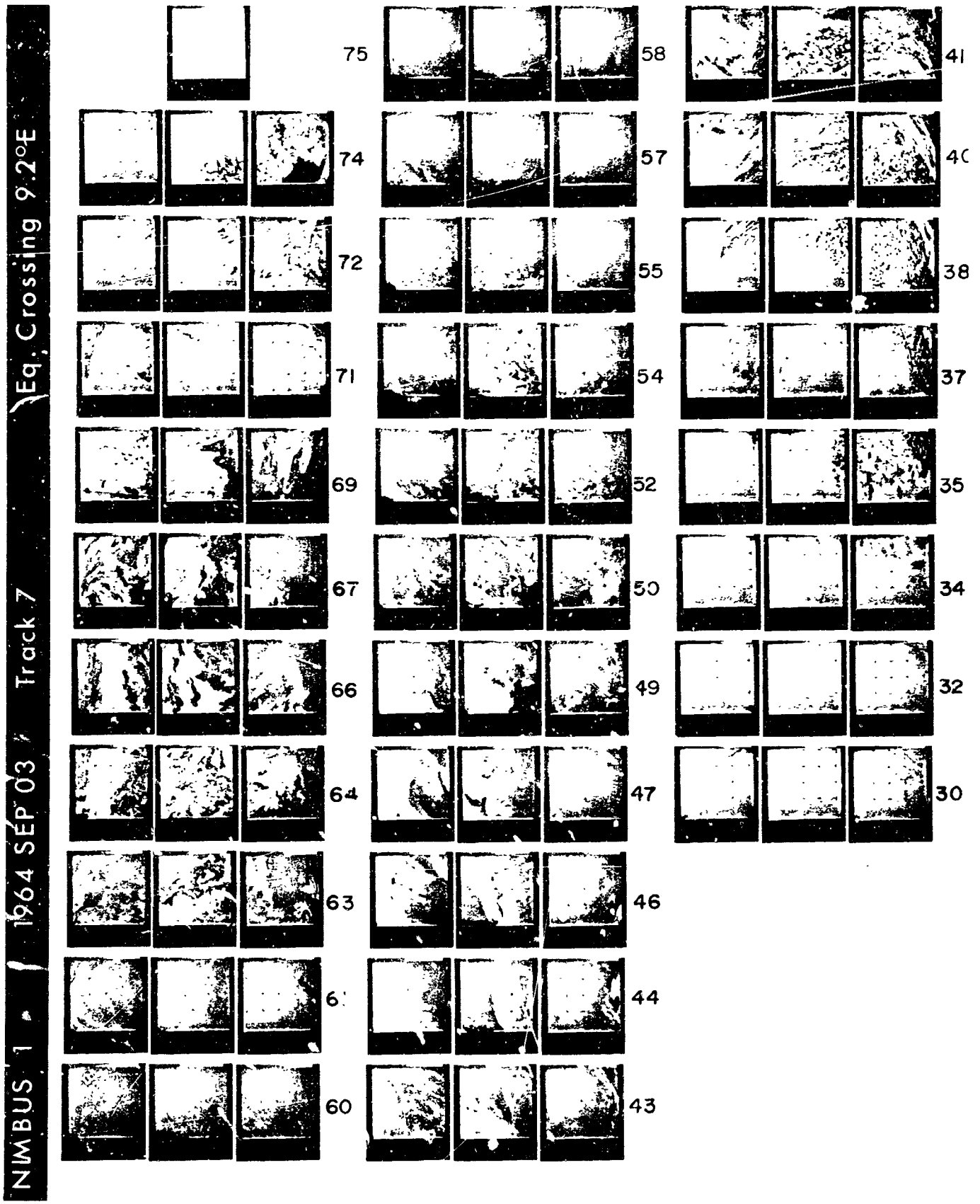


Figure E-2–Sample Microform Sheet

Figure E-3–Sample Frame Format

E.4 AVAILABILITY OF COPIES AND ORDERING INFORMATION

Copies of Nimbus I pictures, in the same forms in which they are archived, are available for the cost of reproduction. Positive diazo copies of individual microform sheets can be provided in either film transparency or paper print form. 35 mm roll film, either positive or negative, is available only in increments of 100-foot reels, as it is not now possible to furnish copies of individual pictures, enlargements or other picture formats.

Inquiries and orders should be addressed to the:

National Weather Records Center
U. S. Weather Bureau
Federal Building
Asheville, North Carolina 28801

The following information should be included in correspondence or on orders:

1. Date
2. Track number
3. Microform sheet or 35 mm roll film
4. If 35 mm roll film:
   a. positive or negative
   b. gridded or ungridded

If roll film is ordered, an indication of how the data is to be used will enable the Weather Bureau to offer suggestions as to the desirability of dodging enhancement.

APPENDIX F

APT GROUND STATIONS

APT data were acquired locally wherever ground facilities existed and at those times when users desired the data. Principally, the APT data were intended for local use, either operational and/or research. The data were not primarily intended for distribution beyond the local acquisition facilities. However, should certain users desire information concerning APT data for a specific task, they must contact the appropriate agencies supervising the various APT activities.

Normally, APT participants do not have the facilities to reproduce the original data nor was there any requirement to save the APT data once they have served their purpose. NASA can not be responsible for the availability or dissemination of APT data.

A list of APT ground stations is included in this appendix for information only.

APT Ground Stations	Location (Lat., Long.)	Address
I NASA		
1. Goddard Space Flight Center, Maryland	39N, 77W	Nimbus Data, Codc 650 Aeronomy and Meteorology Division National Aeronautics and Space Administration Goddard Space Flight Center Greenbelt, Maryland 20771
2. Gilmore Creek, Alaska	65N, 148W	
3. Wallops Island, Virginia	38N, 75W	
4. Point Mugu, California	34N, 119W	
5. RCA, New Jersey	40N, 75W	
6. General Electric, Pennsylvania	40N, 75W	
II U. S. AIR FORCE		
1. Hanscom Field, Massachusetts	42N, 71W	Air Weather Service Liaison National Weather Satellite Center U. S. Weather Bureau Suitland, Maryland
2. Vandenberg AFB, California	35N, 121W	
3. Westover AFB, Massachusetts	42N, 72W	
4. Offutt AFB, Nebraska	41N, 96W	
5. Colorado Springs AFB, Colorado	39N, 105W	
6. Fuchu AFB, Japan	34N, 133E	
7. High Wycombe, England	51N, 0W	

II U. S. AIR FORCE (Cont'd)

8. Ramstein AB, Germany	49N, 7E	
9. Kadena, Okinawa	26N, 128E	
10. Elmendorf, Alaska	61N, 150W	
11. Langley AFB, Virginia	37N, 76W	
12. Kunia Camp, Hawaii	21N, 159W	
13. Keesler AFB, Mississippi	30N, 89W	
14. Kindley AFB, Bermuda	32N, 65W	
15. Lajes Field, Azores	39N, 27W	
16. Clark AB, Philippines	15N, 121E	
17. Adana, Turkey	37N, 35E	

III U. S. NAVY

1. McMurdo Sound, Antarctica	78S, 166E	Officer in Charge
2. Christchurch, New Zealand	44S, 173E	Bureau of Weapons Navy Weapons
3. Agana, Guam	13N, 145E	Project FAMOS
4. San Diego, California	33N, 117W	Fleet Weather Central Navy Department
5. Oahu, Hawaii	21N, 158W	Washington, D. C. 20390
6. U. S. S. Saratoga		

IV U. S. ARMY

1. Fort Monmouth, New Jersey	40N, 75W	Commanding Officer U. S. Army Electronics R & D Laboratory Meteorology Division Fort Monmouth, New Jersey 07703

V U. S. WEATHER BUREAU

1. Honolulu, Hawaii	21N, 158W	National Weather Satellite Center U. S. Weather Bureau 24th and M Street, N. W. Washington, D. C. 20235 ATTN: APT Coordinator
2. Anchorage, Alaska	61N, 150W	
3. Chicago, Illinois	41N, 87W	
4. Seattle, Washington	47N, 122W	
5. San Francisco, California	38N, 122W	

V U. S. WEATHER BUREAU (Cont'd)

6.	Kansas City, Missouri	39N, 95W
7.	San Juan, Puerto Rico	18N, 66W
8.	Miami, Florida	26N, 80W
9.	New Orleans, Louisana	30N, 90W
10.	Kennedy International Airport, New York	41N, 74W
11.	Boston, Massachusetts	42N, 71W
12.	Suitland, Maryland	39N, 77W

VI U.S. PRIVATE PARTICIPANTS

1. WLAC-TV, Tennessee
2. California Computer Products, Inc., California
3. WSM – Incorporated, Tennessee
4. University of Michigan, Michigan
5. KZTV Channel 10, Texas
6. Bendix Corporation, Michigan

VII INTERNATIONAL PARTICIPANTS

1. Institut Swisse de Meteorologie, Switzerland
2. Rohde & Schwarz, West Germany
3. International Indian Ocean Expedition, India
4. Centre d' Etudes Meteorologiques Spatiale, France
5. Satellite Data Laboratory, Canada
6. Meteorological Office, England
7. Royal Observatc , Hong Kong
8. Det Danske Meterologisk Institut, Denmark
9. Department of Interior, Australia

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