[redacted]

CAT. 482

PIONEER VENUS
CLOUD PHOTO POLARIMETER
78-051A-06B

[redacted]

PIONEER VENUS 1

DIGITAL MAP IMAGES ON MAG TAPE

78-051A-06B

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED 72 9-TRACK, 1600 BPI TAPES AND THREE 9-TRACK, 6250 BPI TAPES WRITTEN IN EBCDIC. THERE ARE 12 RESTORED TAPES WRITTEN IN ASCII. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360 COMPUTER AND THEY WERE RESTORED ON THE MRS SYSTEM. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND THE TIME SPANS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR004375	DS004375	D043232	1-14	12/08/78 - 01/06/79
		D059439	15-28	01/07/79 - 01/26/79
		D059440	29-42	02/02/79 - 02/21/79
		D059441	43-56	02/22/79 - 03/04/79
		D059442	57-70	03/04/79 - 03/23/79
		D059443	71-84	03/27/79 - 05/27/79
		D059444	85-101	05/27/79 - 07/17/79
		D059445	102-115	08/07/79 - 10/21/79
		D059446	116-130	10/22/79 - 11/06/79
		D059447	131-145	11/07/79 - 11/12/79
DR004376	DS004376	D059448	1-15	11/12/79 - 12/07/79
		D059449	16-29	12/07/79 - 01/04/80
		D059450	30-44	01/04/80 - 01/10/80
		D059451	45-56	01/12/80 - 02/03/80
		D059452	57-70	02/03/80 - 02/18/80
		D059453	71-84	02/20/80 - 03/11/80
		D059454	85-99	03/11/80 - 03/19/80
		D059455	100-117	07/16/80 - 07/27/80
		D059456	118-132	03/19/80 - 07/16/80
		D064588	133-145	08/01/80 - 08/08/80
		D064589	146-159	08/08/80 - 08/20/80
		D064590	160-173	08/21/80 - 08/26/80
		D064591	174-187	08/26/80 - 09/03/80
		D064592	188-201	09/04/80 - 09/22/80
		D064593	202-214	09/23/80 - 10/06/80
		D064594	215-228	10/07/80 - 10/18/80
		D064595	229-242	10/18/80 - 10/22/80
		D064596	243-256	10/22/80 - 10/29/80
		D064597	257-269	10/30/80 - 11/26/80

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DR#	DS#	D#	FILES	TIME SPAN
DR004377	DS004377	D064598	1-14	11/28/80 - 12/18/80
		D064599	15-28	12/19/80 - 12/22/80
		D064600	29-42	12/22/80 - 12/26/80
		D064601	43-56	12/27/80 - 12/31/80
		D064602	57-64	01/02/81 - 01/03/81
		D064603	65-78	01/03/81 - 01/09/81
		D064604	79-92	01/11/81 - 02/02/81
		D064605	93-106	02/02/81 - 02/09/81
		D064606	107-120	02/09/81 - 02/24/81
DR004378	DS004378	D064607	1-14	02/25/81 - 03/07/81
		D064608	15-28	03/07/81 - 05/24/81
		D064609	29-42	05/25/81 - 06/07/81
		D064610	43-56	06/07/81 - 06/16/81
		D064611	57-70	06/17/81 - 06/30/81
		D064612	71-84	07/01/81 - 07/06/81
		D064613	85-98	07/06/81 - 07/11/81
		D064614	99-112	07/11/81 - 07/17/81
		D064615	113-125	07/17/81 - 07/23/81
		D064616	126-139	07/23/81 - 07/28/81
		D064617	140-153	07/28/81 - 08/03/81
DR004379	DS004379	D064618	1-14	08/04/81 - 08/20/81
		D064619	15-28	08/21/81 - 09/04/81
		D064620	29-42	09/05/81 - 09/19/81
		D064621	43-56	09/21/81 - 10/02/81
		D064622	57-70	10/02/81 - 10/07/81
		D064623	71-84	10/07/81 - 10/12/81
		D064624	85-95	10/13/81 - 10/18/81
		D064625	96-112	10/18/81 - 10/24/81
		D064626	113-126	10/24/81 - 10/29/81
		D064627	127-140	10/29/81 - 11/04/81
		D064628	141-154	11/05/81 - 11/21/81
		D078327	155-223	11/13/81 - 02/01/82
DR004380	DS004380	D078328	1-56	02/01/82 - 06/10/82
		D078329	57-146	06/11/82 - 04/20/83
		D078330	147-208	04/21/83 - 11/19/83
DR004381	DS004381	D079061	1-46	11/23/83 - 04/12/84
		D079062	47-114	04/13/84 - 06/25/85
		D079063	115-190	06/26/85 - 05/14/86
DR004382	DS004382	D079149	1-49	05/14/86 - 06/24/86
		D079150	50-96	07/08/86 - 01/21/87
		D079151	97-140	01/23/87 - 03/26/87
DR004383	DS004383	D079152	1-49	03/27/87 - 10/22/87
		D079153	50-102	10/25/87 - 04/01/88
DR004847	DS004847	D104171	1-143	04/01/88 - 11/20/88

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DR#	DS#	D#	FILES	TIME SPAN
DR004848	DS004848	D104172	1-153	11/21/88 - 09/24/89
DR004849	DS004849	D104173	1-98	01/26/90 - 12/05/90

PIONEER VENUS

CLOUD PHOTOPOLARIMETER

78-051A-06B

THESE 3 TAPES ARE ADDITIONS TO THE PREVIOUS 64 TAPES,TOTALING 67 TAPES IN THIS DATSET.THE 3 TAPES BELOW ARE 6250 BPI,MULTIFILED, WRITTEN IN EBCDIC. THE TAPE WERE CREATED ON AN IBM 360 COMPUTER. THE D AND C NUMBERS ALONG WITH THEIR TIME SPANS CAN BE FOUND BELOW. THE C TAPES ARE 3480 CARTRIDGES.

D#	C#	FILES	TIMESPANS
D-104171	C-031285	143	04/01/88-11/20/88
D-104172	C-031286	153	11/21/88-09/24/89
D-104173	C-031287	98	01/26/90-12/05/90

REQ. AGENT	RAND NO.	ACQ. AGENT
LSM	V0071	WSC
DAD	V0207	WSC
SAR	V0277	HKH
DHG		PSB

PIONEER VENUS 1

CLOUD PHOTOPOLARIMETER

78-051A-06B

This data set consists of 64 9-track, 1600 bpi, multifiled, EBCDIC, card image tapes. Each file contains 1 OCPP polarimetry map. All the tapes were created on an IBm 360/195 computer.

D#	C#	FILES	TIME SPAN
D-43232	C-21332	14	12/08/78 - 01/06/79
D-54939	C-23373	14	01/07/79 - 01/26/79
D-59440	C-23374	14	02/02/79 - 02/21/79
D-59441	C-23375	14	02/22/79 - 03/04/79
D-59442	C-23376	14	03/04/79 - 03/23/79
D-59443	C-23377	14	03/27/79 - 05/27/79
D-59444	C-23378	17	05/27/79 - 07/07/79
D-59445	C-23379	14	08/07/79 - 10/21/79
D-59446	C-23380	15	10/22/79 - 11/06/79
D-59447	C-23381	15	11/07/79 - 11/12/79
D-59448	C-23382	15	11/12/79 - 12/07/79
D-59449	C-23383	14	12/07/79 - 01/04/80
D-59450	C-23384	15	01/04/89 - 01/10/80
D-59451	C-23385	12	01/12/80 - 02/03/80
D-59452	C-23386	14	02/03/80 - 02/18/80
D-59453	C-23387	15	02/20/80 - 02/18/80
D-59454	C-23388	15	03/11/80 - 03/19/80
D-59456	C-23390	15	03/19/80 - 07/16/80
D-59455	C-23389	18	07/16/80 - 07/27/80
D-64588	C-24506	13	08/01/80 - 08/08/80
D-64589	C-24507	14	08/08/80 - 08/20/80
D-64590	C-24508	14	08/21/80 - 08/26/80
D-64591	C-24509	14	08/26/80 - 09/03/80
D-64592	C-24510	14	09/04/80 - 09/22/80
D-64593	C-24511	13	09/23/80 - 10/06/80
D-64594	C-24512	14	10/07/80 - 10/18/80
D-64595	C-24513	14	10/18/80 - 10/22/80
D-64596	C-24514	14	10/22/80 - 10/29/80
D-64597	C-24515	13	10/30/80 - 11/26/80
D-64598	C-24516	14	11/28/80 - 12/18/80
D-64599	C-24517	14	12/19/80 - 12/22/80
D-64600	C-24518	14	12/22/80 - 12/26/80
D-64601	C-24519	14	12/27/80 - 12/31/80

D#	C#	FILES	TIME SPAN
D-64602	C-24520	8	01/01/81 - 01/03/81
D-64603	C-24521	14	01/03/81 - 01/09/81
D-64604	C-24522	14	01/11/81 - 02/02/81
D-64605	C-24523	14	02/02/81 - 02/09/81
D-64606	C-24524	14	02/09/81 - 02/24/81
D-64607	C-24525	14	02/25/81 - 03/07/81
D-64608	C-24526	14	03/07/81 - 05/24/81
D-64609	C-24527	14	05/25/81 - 06/06/81
D-64610	C-24528	14	06/07/81 - 06/16/81
D-64611	C-24529	14	06/17/81 - 06/30/81
D-64612	C-24530	14	07/01/81 - 07/06/81
D-64613	C-24531	14	07/06/81 - 07/11/81
D-64614	C-24532	14	07/11/81 - 07/17/81
D-64615	C-24533	14	07/17/81 - 07/23/81
D-64616	C-24534	14	07/23/81 - 07/28/81
D-64617	C-24535	14	07/28/81 - 08/03/81
D-64618	C-24536	14	08/04/81 - 08/20/81
D-64619	C-24537	14	08/21/81 - 09/04/81
D-64620	C-24538	14	09/05/81 - 09/19/81
D-64621	C-24539	14	09/21/81 - 10/02/81
D-64622	C-24540	14	10/02/81 - 10/07/81
D-64623	C-24541	14	10/07/81 - 10/12/81
D-64624	C-24542	14	10/13/81 - 10/18/81
D-64625	C-24543	14	10/18/81 - 10/24/81
D-64626	C-24544	14	10/24/81 - 10/29/81
D-64627	C-24545	14	10/29/81 - 11/04/81
D-64628	C-24546	14	11/05/81 - 11/12/81
D-78327	C-26775	69	11/13/81 - 02/01/82
D-78328	C-26775	56	02/01/92 - 06/10/82
D-78329	C-26777	90	06/11/82 - 04/20/83
D-78330	C-26778	62	04/21/83 - 11/19/83

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Space Administration
Goddard Space Flight Center

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March 11, 1988

National Space Science Data Center
Central Data Services Facility
Code 633
Goddard Space Flight Center
Greenbelt, Maryland 20771

Gentlemen:

Enclosed you will find four magnetic tapes containing digital polarimetry data from the Pioneer Venus Orbiter Cloud Photopolarimeter Experiment. These tapes have external labels NSSD61 - NSSD64 and use exactly the same format as that used for previously submitted tapes NSSD01 - NSSD60 (as described in the documentation accompanying the original submission) except that there are many more files per tape for the enclosed tapes. Also enclosed is an updated catalog of the polarimetry maps. As before, this catalog identifies the tape and file number corresponding to each map.

Sincerely,

Larry Travis

Enclosures

DRAFT 1/30/81

PIONEER VENUS ORBITER CLOUD PHOTOPOLARIMETER: NSSDC DATA DOCUMENTATION

Experiment Objectives

The Pioneer Venus Orbiter Cloud Photopolarimeter (OCPP) functions both as a spin-scan imaging system providing 30-km resolution images of the near ultraviolet (365 nm) cloud features and as a polarimeter yielding low resolution maps at four wavelengths: 270, 365, 550 and 935 nm. The objectives of the OCPP experiment are: 1) to determine the physical properties, vertical and horizontal distribution and the temporal variability of the haze and cloud aerosols on Venus, and 2) to record in images made in the near ultraviolet the varying cloud morphology and the short and long term character of the apparent cloud motions. Although Venus is completely covered by clouds that are essentially featureless in the visible part of the spectrum, the appearance of variable features in the near ultraviolet was noted as early as 1927 (Wright, 1927; Ross, 1928). More recent observations indicated that certain identifiable markings such as the dark, horizontal Y appeared to exhibit a retrograde "rotation" with a period of about four days (Boyer and Camichel, 1961; Smith, 1967). The first high-resolution view of the UV markings was provided by the vidicon imaging system on the Mariner 10 spacecraft during an 8-day encounter period at the time of the 1974 flyby of Venus. These images not only confirmed the retrograde motion of the planetary scale features, but showed a basic zonal flow with a latitudinal velocity variation measured by tracking smaller scale cloud features (Suomi, 1975). Superposed on this apparent zonal circulation were various wave-like features, streaks spiraling towards (or from) a bright polar "ring", mottled regions and cellular features, the latter suggestive of convective activity.

At the same time some of the mystery regarding the identity of the particles forming the ubiquitous clouds was being solved through the analysis of

ground-based polarimetry observations. The polarization of light scattered by cloud particles depends strongly on the particle shape, size distribution and refractive index; thus, by inverting the problem one can in principle deduce these particle physical properties from polarization observations (Hansen and Travis, 1974). With such analyses Hansen and Hovenier (1974) established that the dominant cloud particles are spherical, have a relatively narrow size distribution centered on an effective radius of 1.05 μm, and that the index of refraction is 1.46 at 365 nm, 1.44 at 550 nm and 1.43 at 990 nm. This was the key information in the identification of the cloud particles as concentrated sulfuric acid droplets.

By making OCPP polarimetry observations from the Pioneer Venus Orbiter we are able to survey distinct cloud regions for a variety of scattering geometries, even on a single orbit. This provides the information necessary for the determination of any horizontal variations in aerosol physical properties. Since Rayleigh scattering by gaseous molecules has its own particular polarization signiture which can become a significant contribution at shorter wavelengths, the OCPP observations of polarization as a function of wavelength and for different observer zenith angles can be used to determine the vertical distribution of the aerosols.

Instrument Design and Operation

The Pioneer Venus Orbiter is a spin-stabilized spacecraft placed in a nearly polar orbit of high eccentricity with a period of approximately 24 hours (Colin and Hall, 1977). The nominal on-orbit orientation has the positive spin axis aligned with the south ecliptic pole direction, and the spin period is maintained at approximately 12 seconds. The spacecraft telemetry subsystem employs a high-gain antenna dish despun to remain Earth-pointing and supports a normal data rate of 1024 bps. In order to meet the experiment

science objectives given the spacecraft and mission designs, the OCPP was configured to function as a photopolarimeter and imager in a spin-scan mode. Additionally, in order to maximize the data rate available to the OCPP, the instrument is designed so that observations are best performed during the long apoapsis portion of the orbit when the spacecraft is far from the planet and the data requirements for the aeronomy and ionospheric instruments are minimal. The basic elements of the instrument are a positionable, 3.7 cm aperture Dall-Kirkham telescope of 17.5 cm focal length, its associated optics/sensor assembly, and the electronics module (A more detailed instrument description is given by Russell et al. [1977]). A filter/retarder wheel with 16 equally spaced active positions is located near the telescope focal plane in the optics/sensor assembly and is positioned or cycled according to the desired observational mode. Photopolarimetry is performed using three positions for each of the four wavelengths: 270, 365, 550 and 935 nm. In each case, a half-wave retarder mounted on the front (telescope side) of the wheel covers the three positions and is oriented such that as the wheel rotates, the retarder fast axis is respectively at 0°, $22\frac{1}{2}$° and 45° relative to the instrument plane. The scene flux then passes through the spectral bandpass filter located on the aft side of the wheel and is analyzed by a birefringent Wollaston prism into two orthogonally polarized beams. These beams are in turn imaged onto their respective UV-enhanced silicon photodiode detectors, shich are operated in the photovoltaic mode. In the photopolarimetry mode cycle, the filter/retarder wheel steps to a new active position once each spacecraft spin period, with a pause at the $11\frac{1}{4}$° intermediate position for the dc-restore at dark levels. The six intensity measurements for a given spectral band thus provide the information necessary to extract the total intensity, degree of linear polarization and its azimuth. The redundancy of six measurements for

for three unknowns provides internal cross calibration of the two detectors and makes possible polarization measurement accuracies of better than 0.2 percent.

Two of the four remaining active positions are used in the photopolarimetry mode as a calibration of the aft optics and detectors by means of angled scattering surfaces mounted on the aft side of the filter/retarder wheel which are illuminated by a reference calibrator lamp. The imaging mode is performed with the wheel fixed at a position with a small folding mirror and a 365 nm bandpass filter on the aft side. The beam is thus directed to a fused silica field lens which images the scene on a separate silicon photodiode detector. The last of the 16 active positions also uses a folding mirror and detector at the side of the wheel, but employs a 690 nm bandpass filter for a third instrument mode, limb scan. Observations in this mode are made at the lowest spacecraft altitudes and are intended to detect the presence of any stratified haze layers high above the main cloud deck.

To apply the spin-scan technique, we fix the OCPP telescope at an appropriate look angle in the range, 0° - 145°. The OCPP telescope articulation is in a plane containing the spacecraft spin axis, with the look angle measured from the positive spin axis direction. The disk of the planet is thus scanned by spacecraft rotation, with one scan line being generated each roll. Since the spacecraft spin axis is oriented perpendicular to the ecliptic plane and the orbit is nearly polar (105° inclination), the spacecraft orbital motion can be used to provide cross-scan translation with excellent geometric fidelity. The characteristics of the nominal orbit were known at the time of final instrument design; they were therefore used in selecting the instantaneous field of view (IFOV) size which would yield good image quality over most of the apoapsis portion of the orbit. For a rectangular IFOV, a translation

in the cross-scan direction of one-half the IFOV dimension provides optimum resolution. The IFOV chosen was 0.4 by 0.45 mrad, the latter being the dimension for the cross-scan direction. Figure 1 shows for this choice and for the nominal orbit (24 hour period, 39460 km semimajor axis, 0.843 eccentricity, 105° inclination and 18.5° latitude of periapsis), the cross-scan overlap of IFOV's as a function of time from apoapsis. An overlap of 0.5 or more meets the criterion for optimum resolution; it is met for a period of approximately 14 hours, centered on apoapsis. When the cross-scan translation exceeds 0.45 mrad, underlap occurs and is denoted by the negative values in Figure 1. Our normal procedure has been to restrict imaging observations to the 18 hour period centered on apoapsis, thus avoiding underlap conditions and incurring only a modest degradation in cross-scan resolution near the beginning and end of that period. In Figure 2 the subspacecraft latitude and longitude are displayed as a function of time from apoapsis. The more rapid variation of latitude with time is of course a result of the high inclination orbit. The disk of the planet viewed from the spacecraft ranges from about 17° diameter at apoapsis ±9 hours to 10° at apoapsis. The time required to complete the cross-scan raster for a full disk image is typically about 4 hours.

In order to achieve a resolution in the along-scan, or roll direction that is comparable to that for cross-scan, we selected the 0.4 mrad IFOV dimension and a normal sample time of 0.488 msec. A scan line consists of 1016 8-bit intensity measurements, thus covering a 14.9° swath in roll for a 12-sec spin period. An optional low sample rate of 0.61 msec yields 18.6° in coverage when necessary, with a slight decrease in resolution along the scan line. The OCPP image is thus built up of elements whose resolution is typically 30 km at the subspacecraft point. The instrument can be commanded to begin taking data at any selected location in the 360° spacecraft roll using the spacecraft supplied roll index pulse as a reference.

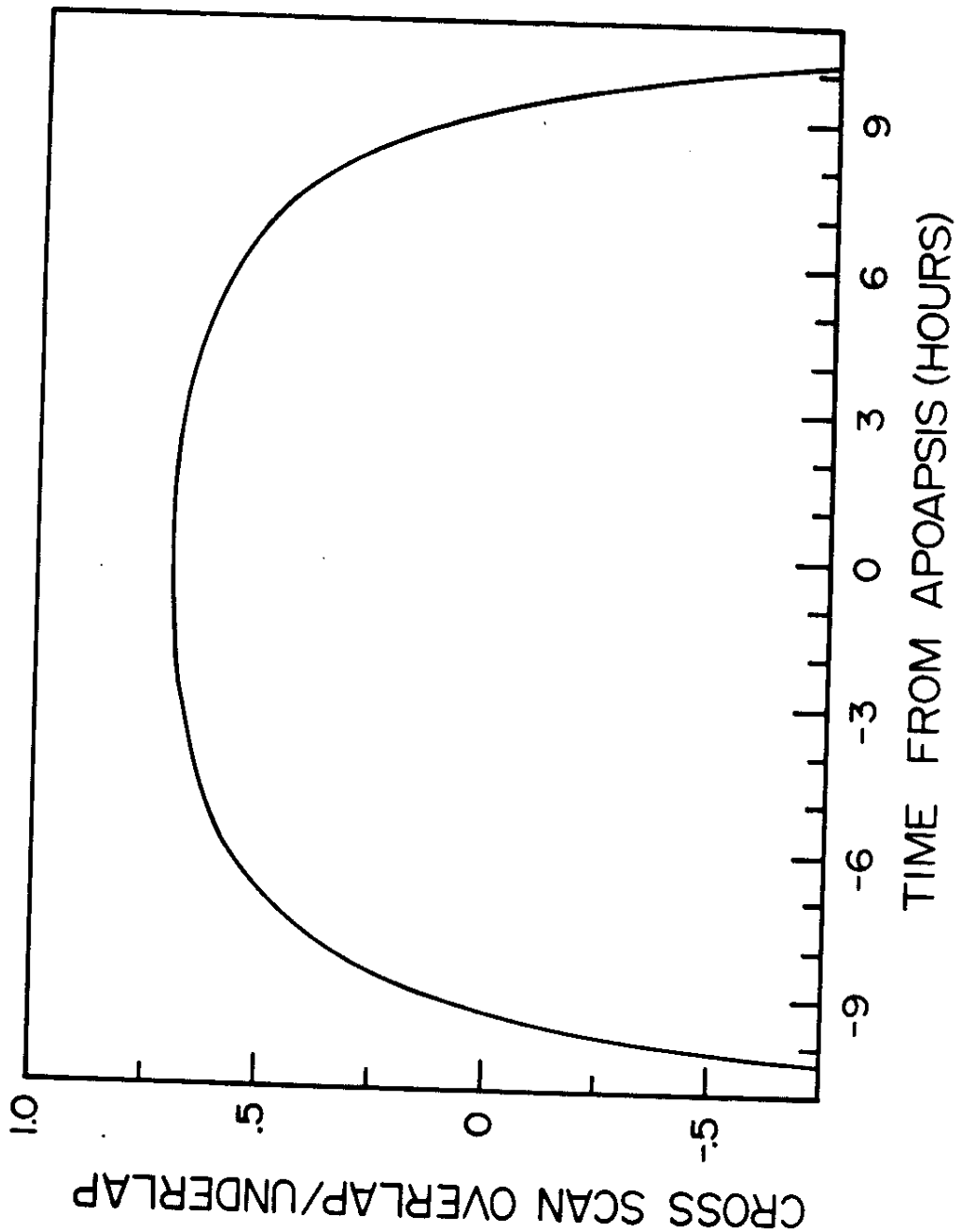
CROSS SCAN OVERLAP/UNDERLAP
10
5
0
-5
-9
-6
-3
0
3
6
9
TIME FROM APOAPSIS (HOURS)

Fig. 1

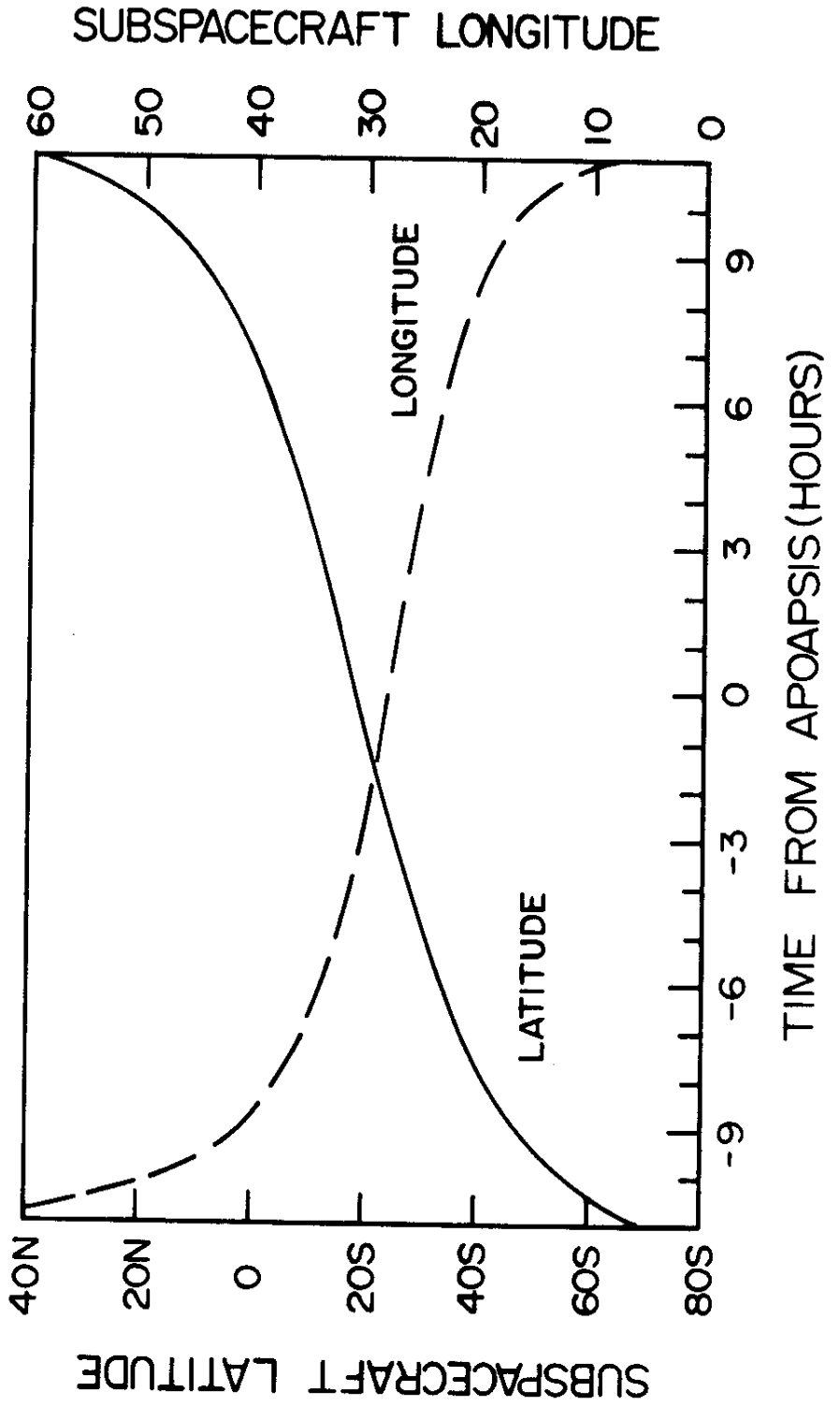
SUBSPACECRAFT LONGITUDE
60
50
40
30
20
10
0
LONGITUDE
LATITUDE
9
6
3
0
-3
-6
-9
TIME FROM APOAPSIS (HOURS)
40N
20N
0
20S
40S
60S
80S
SUBSPACECRAFT LATITUDE

Fig. 2

The normal photopolarimetry observation involves mapping the planet in essentially the same spin-scan technique used for imaging. However, a complete photopolarimetry "scan line" requires a cycle of 16 spacecraft rolls, one for each filter/retarder wheel position. Using the same considerations applied in the choice of the imaging IFOV, we are thus led to a photopolarimetry IFOV approximately a factor of 16 larger, 6.5 by 8 mrad. This larger aperture at the same time provides the necessary signal to obtain the appropriately high signal-to-noise ratios required for polarimetry accuracy. A maximum of 136 pairs of 11-bit intensities is acquired for each roll using a normal sample rate of 9.52 msec; this yields a swath of 38.8° for a 12-sec spin period. Since we are primarily interested in regional coverage and variations in scattering geometry as opposed to "image quality" for the photopolarimetry maps, observations are performed to within $1\frac{1}{2}$ hours of periapsis, or apoapsis $\pm 10\frac{1}{2}$ hours.

In addition to the inflight calibration of aft photopolarimetry optics and detectors by the calibration lamp, the OCPP employs a solar diffuser calibrator which is viewed when the telescope is pointed at 0° look angle. The outer port of the diffuser is a fused silica plate (roughened on its interior side) parallel to the spacecraft spin axis; it thus faces the sun once each spacecraft roll. A diagonal plate with an appropriate neutral density coating reflects the diffuse source downward through two additional roughened fused silica plates towards the telescope. The solar diffuser is constructed to provide a source close to the typical radiance level seen when viewing the planet. During pre-flight calibration and testing, its attenuation was measured to approximately 10 percent absolute accuracy for 935 nm and 6 percent for 550 and 365 nm. Since the sun itself was used as the source in this calibration, no measurement at 270 nm was possible due to the earth's atmospheric absorption.

Data Description

The basic data available from the OCPP experiment are of two types. Digital imaging data have been processed to make hardcopy images in the form of 4" x 5" negatives. Polarimetry data have reduced and individual map elements have been tagged with latitude, longitude and scattering geometry information. The resulting digital data are stored on magnetic tape in EBCDIC card image format.

Imaging Data. The raw data for a typical full-disk image is composed of approximately 1000 scan lines, with up to 800 8-bit intensities, or pixels, for each scan line. Because of the nature of the spin-scan process, and image constructed simply by treating each pixel as a rectangular element of 0.4 by 0.45 mrad and placing scan lines in a contiguous sequence would be very distorted in appearance. We therefore create an image array which is "geometrically rectified" using bilinear interpolation of the raw intensity data. This rectified image thus has an appearance similar to that of a "snapshot" image; in particular, the bright limb is a circular arc. Note, however, that this image is not equivalent to an orthographic projection. The spin-scan technique with the OCPP telescope fixed at a particular look angle during the three to four hour period of acquisition of data for a full-disk image yields coverage of a full 180° of latitude. On the other hand, the coverage for each scan line is limited to the fraction of the hemisphere visible from the finite spacecraft distance, i.e., a "longitude" range equal to the supplement of the apparent angular diameter. Because the spacecraft orbit is not exactly polar, there is also a small change in the subspacecraft longitude during the acquisition of the image. As a result of these factors along with our desire to produce an image that includes all of the data, the rectified images are slightly distorted in comparison to what a true snapshot would show. Further,

there is no simple relationship between image coordinates and body-fixed latitude and longitude.

In order to improve the visibility of the normally low contrast cloud features, the rectified image array is in each case contrast enhanced using the following procedure. A low-pass filtered version of the image is created by averaging intensities over a square window whose dimension is approximately 30 percent of the disk radius. When the resulting smoothed image is subtracted from the original, we are left with a high-pass filtered version, which emphasizes the small scale features. By forming an appropriately weighted average of the original and the high-pass filtered image, we obtain a version which retains some of the normal large scale shading while enhancing the contrast of the medium and small scale cloud features.

Negatives for each final image were produced using an Optronics P-1500 Photowrite digital filmwriter, which employs Kodak Linagraph Shellburst film. The 4" x 5" negatives have 2000 by 2500 resolution elements, with a full-disk image having a diameter of 1600 elements. Although the filmwriter is capable of exposing the negative corresponding to 8-bit intensity data numbers, we have restricted the range to 30 - 170 DN. This range was found to be appropriate for producing prints on Kodak RC Polycontrast paper (PC filter #3) with these negatives.

Each planned OCPP imaging mode observation with a fixed telescope look angle is defined as an image and given a four-digit image number (with leading zeros when necessary), consecutive in time order. This image number is indicated at the bottom of each negative following the word "VENUS". On the same line following the image number are the year, day of year and time (HHMM) UT corresponding to the observation of disk center. The remaining smaller and less bold numerical designation following a letter "F" is a film number used

for internal records and can be ignored. Appendix A is a list of nominal mission (4 December 1978 to 4 August 1979) images available and pertinent identifying information on each. This list does not include planned images lost or with major data gaps because of telemetry difficulties or those during which spacecraft maneuvers were executed.

Polarimetry Data. As described in the previous section, in photopolarimetry mode the OCPP obtains maps of Venus using the same spin-scan technique employed for imaging. The principal difference is a trade of less resolution for more information, viz., the linear polarization and its direction in addition to intensity at four wavelengths. For a given wavelength three spacecraft rotations, or rolls, are required to provide the series of 11-bit intensity pairs at each retarder position. Under the normal observing sequences, the translation of the IFOV due to spacecraft motion between the first and third rolls is a small fraction of the size of the IFOV. Thus, it is reasonable to assume that the N^{th} sector in each of the three rolls is viewing the same part of the scene, and that the six intensities can be used in the calculation of the polarization and its direction. For each intensity pair, let us denote the respective retarder position by subscript 1, 2 or 3 and distinguish the orthogonally polarized channels by subscript S or P, viz., intensities I_{1S}, I_{1P}, I_{2S}, I_{2P}, I_{3S} and I_{3P} (in DN). The definition of S and P directions is such that an incident beam 100 percent polarized with its direction parallel to the OCPP instrument baseplate would cause $I_{1S} = I_{3P} = 0$. Let us define a factor K which represents the interchannel responsivity ratio and factors C_2 and C_3 which are the filter transmittances at retarder positions 2 and 3 relative to that at position 1. All polarimetry data is then reduced using the following relations:

$$K = [(I_{1S} I_{3S})/(I_{1P} I_{3P})]^{\frac{1}{2}} \qquad (1)$$

$$C_2 = (I_{1S} + K I_{1P})/(I_{2S} + K I_{2P}) \tag{2}$$

$$C_3 = (I_{1S} + K I_{1P})/(I_{3S} + K I_{3P}) \tag{3}$$

$$I = I_{1S} + K I_{1P} = C_2(I_{2S} + K I_{2P}) = C_3(I_{3S} + K I_{3P}) \tag{4}$$

$$Q = K I_{1P} - I_{1S} = C_3(I_{3S} - K I_{3P}) \tag{5}$$

$$U = C_2(K I_{2P} - I_{2S}) \tag{6}$$

$$P = 100\,(Q^2 + U^2)^{\frac{1}{2}}/I \tag{7}$$

$$\gamma' = \tfrac{1}{2} \arctan(U/Q) \tag{8}$$

The observed total intensity I is expressed in DN and the degree of linear polarization P in percent. The angle γ' defined by Eq. (8) is the direction of polarization, or the direction of vibration of the electric field vector for the polarized component of the beam, referenced to the OCPP instrument baseplate. In general, a more useful direction is that measured relative to the local scattering plane (that plane defined by the sun-observed point and observed point-observer directions),

$$\gamma = \gamma' + \delta \quad , \tag{9}$$

where δ, the angle between the instrument baseplate and the local scattering plane, is determined from the location of the spacecraft in its orbit, the spacecraft attitude, OCPP direction of observation and the position of the sun.

The three successive rolls for a given spectral band thus define a series of sectors across the disk of the planet for which I, P and γ are determinable. The simultaneous solution for K, C_2 and C_3 for each sector in practice accounts not only for relative interchannel response and filter transmittance but also for small scene changes between rolls. Specifically, note that Eqs. (2) and

(3) for C_2 and C_3 simply require the same total intensities for the N^{th} sectors of the three rolls.

Using the position of the spacecraft in its orbit, the spacecraft attitude and the OCPP direction of observation, we can specify the location of the point observed in a particular polarimetry sector. Each set of I, P and γ is tagged with the celestial latitude β and longitude λ, i.e., coordinates in a system with the x-y plane passing through the center of Venus and parallel to the ecliptic, with the Aries direction defining the positive x-axis. Note, that these are <u>not</u> the IAU Venus coordinates, and the system does not rotate with the Venus solid body rotation, but is fixed in space. In addition to the latitude and longitude, each point is tagged with the specification of the local scattering geometry, specifically, μ, the cosine of the observer zenith angle; μ_o, the cosine of the solar zenith angle; and $\phi - \phi_o$, the difference in azimuth between the sun-observed point and observed point-observer directions (measured counterclockwise looking downward). Note that the phase angle α is specified by

$$\cos\alpha = \mu_o\mu - (1 - \mu_o^2)^{\frac{1}{2}}(1 - \mu^2)^{\frac{1}{2}}\cos(\phi - \phi_o) \quad , \qquad (10)$$

where the phase angle is the angle between the observed point-observer and observed point-sun directions.

The polarimetry data for each OCPP polarimetry map are written on magnetic tape in ~~EBCDIC~~ ASCII card image format, one file for each map. The attributes of each tape are: 9-track, ~~1600~~ 6250 bpi, no tape label records, logical record length of 80 bytes, physical record length or blocksize of 3200 bytes and thus a RECFM=FB. Appendix B lists the available maps, the respective tape and file numbers and other pertinent identifying information. The file for each map has the following format. A single card image header which identifies the polarimetry map number and the year and day of year of

acquisition has the form:

bPIONEERbVENUSbOCPPbPOLARIMETRYbMAPbnnnnbbbbYR=yybbtDOY=ddd

where b signifies a blank column, nnnn is the polarimetry map number, yy is the year and ddd is the day of year. This header card is followed by groups of data (the number of these groups for each map is listed in Appendix B), one such group for each set of three rolls constituting a recoverable polarimetry "scan" at a given wavelength. Each group is headed by a card image identifying: 1) year in columns 5-6, 2) day of year in columns 13-15, 3) time (spacecraft UT) in columns 23-30 in the form HH:MM:SS, 4) wavelength: 270, 365, 550 or 935 in columns 44-46, 5) gain setting in column 57 and 6) the number of card images to follow (one for each sector) in columns 62-64. Each of the following data card images contains in order: I (DN), P (percent), γ (deg.), β (deg.), λ (deg.), μ, μ_o and $\phi - \phi_o$ (deg.) and can be read with the Fortran format (F8.1,F7.2,2F8.2,F9.2,2F10.5,F9.2). An example of the beginning portion of a listing of all the card images for a polarimetry map tape file is shown in Figure 3. Absolute intensities can be derived from the tabulated data number values using the conversion factors in Table 1 for the appropriate gain setting and spectral band.

The polarimetry sectors for which μ and μ_o are indicated to be -2.0 are those for which the "navigation" finds that the center of the IFOV lies off the visible disk at the time of the observation. The fact that these sectors often have intensities that are clearly non-zero is due to 1) the approximately 0.1° (about one-quarter the size of the IFOV) uncertainty in spacecraft attitude and hence in pointing knowledge, and 2) sectors near the bright limb only partially (less than half) filled and for which a contribution from scattered light may also play a role.

PIONEER VENUS OCPP POLARIMETRY MAP 5 YR=78 DOY=342

YR=78 DOY=342		TIME=18:37:54		WAVELENGTH=550 NM		GAIN=4	10 SECTORS FOLLOW	
1694.8	0.56	1.36	0.0	0.0	-2.00000	-2.00000	0.0	
1719.9	0.87	1.79	0.0	0.0	-2.00000	-2.00000	0.0	
1697.9	0.80	5.21	0.0	0.0	-2.00000	-2.00000	0.0	
1635.2	0.66	8.78	-68.08	-135.27	0.05808	0.35760	60.48	
1537.6	0.55	11.07	-59.01	-138.60	0.07196	0.32549	60.90	
1415.7	0.43	15.65	-59.06	-142.05	0.07183	0.29939	61.55	
1275.2	0.35	29.95	-58.23	-145.54	0.05759	0.27919	62.37	
1123.0	0.34	52.19	0.0	0.0	-2.00000	-2.00000	0.0	
961.5	0.45	65.30	0.0	0.0	-2.00000	-2.00000	0.0	
798.6	0.70	71.17	0.0	0.0	-2.00000	-2.00000	0.0	
YR=78 DOY=342		TIME=18:38:29		WAVELENGTH=365 NM		GAIN=4	14 SECTORS FOLLOW	
2307.7	1.72	-2.82	0.0	0.0	-2.00000	-2.00000	0.0	
2494.8	1.63	-2.94	0.0	0.0	-2.00000	-2.00000	0.0	
2596.6	1.58	-2.66	0.0	0.0	-2.00000	-2.00000	0.0	
2616.3	1.47	-1.50	-57.98	-128.06	0.06542	0.40668	58.83	
2545.3	1.33	-1.65	-60.21	-130.82	0.09968	0.36575	58.90	
2390.3	1.23	-1.95	-61.45	-134.18	0.11730	0.33220	59.35	
2203.4	1.17	-1.43	-62.08	-137.86	0.12551	0.30273	59.97	
2014.4	1.13	0.18	-62.19	-141.69	0.12616	0.27644	60.65	
1831.0	1.05	-0.92	-61.79	-145.49	0.11936	0.25320	61.47	
1657.5	1.11	0.07	-60.79	-149.11	0.10367	0.23357	62.32	
1467.6	1.23	-0.80	-58.91	-152.31	0.07359	0.21976	63.26	
1234.3	1.26	-2.11	0.0	0.0	-2.00000	-2.00000	0.0	
995.1	1.16	-1.68	0.0	0.0	-2.00000	-2.00000	0.0	
768.1	1.12	1.63	0.0	0.0	-2.00000	-2.00000	0.0	
YR=78 DOY=342		TIME=18:39:05		WAVELENGTH=270 NM		GAIN=4	17 SECTORS FOLLOW	
217.5	6.10	83.17	0.0	0.0	-2.00000	-2.00000	0.0	
245.4	5.50	85.99	0.0	0.0	-2.00000	-2.00000	0.0	
261.8	5.52	80.43	0.0	0.0	-2.00000	-2.00000	0.0	
267.2	6.78	87.63	-58.42	-123.97	0.08069	0.42616	57.61	
260.5	7.32	87.95	-60.96	-126.40	0.11919	0.38339	57.63	
241.0	8.24	-89.46	-62.57	-129.57	0.14164	0.34782	58.04	
224.9	8.66	-89.96	-63.60	-133.20	0.15519	0.31616	58.65	
206.3	7.77	81.57	-64.18	-137.14	0.16207	0.28736	59.35	
189.4	8.04	83.29	-64.33	-141.24	0.16312	0.26098	60.12	
173.4	8.85	83.89	-64.05	-145.34	0.15848	0.23691	60.93	
157.0	9.86	-85.53	-63.33	-149.27	0.14760	0.21533	61.77	
141.0	9.50	-88.74	-62.08	-152.89	0.12890	0.19684	62.62	
129.0	8.93	-86.11	-60.07	-155.99	0.09802	0.18319	63.52	
111.2	9.99	86.44	-55.81	-157.93	0.02766	0.18557	64.69	
89.7	10.53	83.79	0.0	0.0	-2.00000	-2.00000	0.0	
64.5	11.22	-81.31	0.0	0.0	-2.00000	-2.00000	0.0	
46.5	13.08	-83.95	0.0	0.0	-2.00000	-2.00000	0.0	
YR=78 DOY=342		TIME=18:40:29		WAVELENGTH=935 NM		GAIN=4	21 SECTORS FOLLOW	
1245.4	0.27	79.22	0.0	0.0	-2.00000	-2.00000	0.0	
1546.9	0.35	78.93	0.0	0.0	-2.00000	-2.00000	0.0	
1774.6	0.67	82.76	0.0	0.0	-2.00000	-2.00000	0.0	
1918.7	0.97	82.16	-57.45	-116.44	0.08359	0.47741	55.57	
1918.2	1.35	83.05	-60.92	-117.70	0.13739	0.42769	55.23	
1803.7	1.76	82.79	-63.24	-120.04	0.17004	0.38767	55.50	
1664.5	2.26	82.69	-64.98	-123.09	0.19261	0.35221	56.03	
1522.5	2.66	83.77	-66.28	-126.73	0.20840	0.31975	56.71	
1377.4	3.05	83.98	-67.21	-130.85	0.21888	0.28958	57.49	
1237.3	3.34	83.45	-67.79	-135.33	0.22480	0.26133	58.32	
1100.3	3.67	83.88	-68.02	-140.02	0.22651	0.23480	59.18	
968.2	3.98	84.71	-67.89	-144.76	0.22410	0.20990	60.06	
845.7	4.31	84.48	-67.42	-149.36	0.21745	0.18666	60.98	
732.1	4.64	85.35	-66.57	-153.68	0.20614	0.16521	61.82	
629.7	4.78	86.12	-65.32	-157.57	0.18934	0.14584	62.66	
540.1	5.02	86.49	-63.60	-160.89	0.16539	0.12920	63.51	
466.6	5.21	87.05	-61.23	-163.50	0.13041	0.11681	64.32	
392.6	5.94	85.66	-57.40	-164.96	0.06932	0.11470	65.18	
285.7	6.27	87.62	0.0	0.0	-2.00000	-2.00000	0.0	
180.9	6.17	86.71	0.0	0.0	-2.00000	-2.00000	0.0	
99.4	5.83	88.42	0.0	0.0	-2.00000	-2.00000	0.0	
YR=78 DOY=342		TIME=18:41:05		WAVELENGTH=550 NM		GAIN=4	23 SECTORS FOLLOW	
1194.2	1.20	-1.68	0.0	0.0	-2.00000	-2.00000	0.0	
1613.5	1.36	-1.37	0.0	0.0	-2.00000	-2.00000	0.0	
1944.0	1.40	-2.59	0.0	0.0	-2.00000	-2.00000	0.0	
2178.7	1.38	-2.88	-54.73	-114.39	0.04537	0.52096	55.57	
2248.7	1.37	-2.09	-59.68	-114.31	0.12661	0.45857	54.39	
2146.0	1.26	-1.39	-62.50	-115.97	0.16776	0.41468	54.46	
1987.7	1.15	0.44	-64.61	-118.48	0.19595	0.37672	54.89	
1820.6	1.01	0.77	-66.25	-121.67	0.21632	0.34229	55.52	
1652.3	0.88	5.42	-67.52	-125.46	0.23093	0.31040	56.27	
1497.0	0.67	8.10	-68.45	-129.76	0.24084	0.28052	57.09	
1327.3	0.46	17.35	-69.05	-134.46	0.24662	0.25237	57.96	
1173.3	0.42	27.78	-69.31	-139.41	0.24855	0.22578	58.86	
1026.2	0.46	51.74	-69.23	-144.43	0.24672	0.20068	59.77	
886.1	0.68	66.30	-68.81	-149.33	0.24105	0.17707	60.66	
758.8	0.97	68.62	-68.04	-153.93	0.23125	0.15502	61.57	
643.1	1.13	76.23	-66.91	-158.10	0.21677	0.13474	62.44	
540.3	1.56	79.04	-65.39	-161.70	0.19657	0.11659	63.28	
450.1	1.93	80.13	-63.38	-164.69	0.16863	0.10138	64.09	
381.1	1.94	78.59	-60.65	-166.77	0.12795	0.09103	64.86	
310.6	1.96	82.13	-55.86	-167.34	0.04949	0.09557	65.69	
204.0	2.18	81.66	0.0	0.0	-2.00000	-2.00000	0.0	
113.6	2.49	84.16	0.0	0.0	-2.00000	-2.00000	0.0	
51.9	5.63	-88.01	0.0	0.0	-2.00000	-2.00000	0.0	
YR=78 DOY=342		TIME=18:41:41		WAVELENGTH=365 NM		GAIN=4	23 SECTORS FOLLOW	
1895.8	1.93	-4.16	0.0	0.0	-2.00000	-2.00000	0.0	
2484.5	1.87	-3.20	0.0	0.0	-2.00000	-2.00000	0.0	
2941.3	1.77	-3.40	0.0	0.0	-2.00000	-2.00000	0.0	
3191.5	1.74	-3.04	-57.75	-111.66	0.10391	0.49489	53.84	
3136.2	1.54	-2.78	-61.27	-112.44	0.15811	0.44497	53.53	
2926.3	1.33	-1.51	-63.79	-114.29	0.19323	0.40387	53.81	
2700.2	1.09	0.47	-65.78	-116.91	0.21866	0.36721	54.36	
2474.1	0.83	0.96	-67.38	-120.21	0.23783	0.33349	55.06	
2250.5	0.63	4.46	-68.64	-124.14	0.25132	0.30200	55.86	
2031.4	0.48	6.28	-69.58	-128.62	0.26083	0.27233	56.73	
1811.4	0.42	10.42	-70.20	-133.54	0.26653	0.24424	57.63	
1595.4	0.30	15.83	-70.49	-138.78	0.26866	0.21760	58.56	
1387.4	0.25	29.85	-70.45	-144.05	0.26730	0.19233	59.50	
1186.9	0.25	36.03	-70.08	-149.25	0.26240	0.16843	60.44	
1002.9	0.19	43.62	-69.38	-154.15	0.25375	0.14593	61.35	
837.5	0.23	33.10	-68.33	-158.48	0.24109	0.12503	62.23	

Table 1. Absolute Intensity Conversion Factors for Photopolarimetry in W cm^{-2} sr^{-1} nm^{-1} per DN

Gain	Spectral Band			
	935 nm	550 nm	365 nm	270 nm
0	5.31×10^{-8}	1.14×10^{-7}	4.19×10^{-8}	3.78×10^{-8}
1	3.93×10^{-8}	8.46×10^{-8}	3.10×10^{-8}	2.80×10^{-8}
2	2.66×10^{-8}	5.71×10^{-8}	2.09×10^{-8}	1.89×10^{-8}
3	1.96×10^{-8}	4.22×10^{-8}	1.55×10^{-8}	1.40×10^{-8}
4	1.32×10^{-8}	2.84×10^{-8}	1.04×10^{-8}	9.40×10^{-9}
5	9.76×10^{-9}	2.10×10^{-8}	7.69×10^{-9}	6.95×10^{-9}
6	6.59×10^{-9}	1.42×10^{-8}	5.19×10^{-9}	4.69×10^{-9}

Instrument Calibration

Radiometric. Pre-flight radiometric calibration of the OCPP was performed using a tungsten-filament, reference lamp illuminating a standard barium sulfate coated diffuser target observed by the OCPP. Two different reference lamps (an EV-4 and an Optronics 323) were employed, and the calibration was performed before and after spacecraft/instrument integration and system tests, an approximately six month interval. Although the procedure should in principle permit absolute radiometric calibration to within 4 percent for the 365, 550 and 935 nm spectral bands, a more appropriately conservative estimate based upon the self-consistency of the tests suggests that the pre-flight calibration was accurate to within 10 percent. The low output of the reference lamp at 270 nm reduces the confidence in the pre-flight calibration for that spectral band such that an absolute accuracy of 20 percent is a more appropriate estimate.

As mentioned in the instrument description, the OCPP has two methods of inflight radiometric calibration, the internal reference calibrator lamp and the solar diffuser. The flux from the calibrator lamp is spectrally filtered (700 nm) and directed in turn onto each of the two angled scattering surfaces on the back of the filter/retarder wheel. This therefore provides a check on the temporal stability (at 700 nm) of the aft optics (the scattering surfaces, two relay lenses per channel and the Wollaston prism) and the two silicon photodiode detectors. The calibrator lamp intensity readings have remained within 1 percent of the pre-flight values throughout the mission. In contrast, solar diffuser measurements performed during the mission have exhibited substantial variation. The general trend has been a decrease in solar diffuser intensity with time, although increases in brightness have been noted on several occasions (not sufficient, however, to return the brightness to the

levels obtained shortly after Venus orbit insertion). The magnitude of the drop in intensity is greatest for the 270 nm band, decreasing in size in order of increasing wavelength for the other spectral bands. The maximum decreases noted to date are 18 percent for 935 nm, 19.8 percent for 550 nm, 32 percent for 365 nm and 67 percent for 270 nm. Although the stability of the calibration lamp observations is established only at 700 nm, it is not very plausible that the aft optics can be responsible for the change in the solar diffuser observations. Essentially the same decrease in solar diffuser intensity is observed for the 365 nm polarimetry band and the imaging channel; the latter has a filter with the same effective wavelength but a wider bandpass, a different detector and of course no half-wave retarder plate. It therefore seems unlikely that the filters or retarders can be blamed for the effect. While we cannot rule out some effect on the telescope optics, we find no long term change in the brightness of Venus by an amount comparable to that observed for the solar diffuser. Nevertheless, we have no satisfactory explanation for a physical change in the solar diffuser; consequently, any use of absolute intensities (obtained with the factors in Table 1) should involve caution in interpretation.

Polarimetric. Pre-flight polarimetric calibration of the OCPP was performed primarily with a specially designed optical calibrator. The calibrator employed a 150-watt xenon-arc lamp which illuminated (through a 1-inch entrance port) the interior of a 6-inch diameter spherical integrator lined with barium sulfate paint. The OCPP viewed the interior of the sphere through a 1.6-inch exit port. Neutral density filters on a wheel in front of the entrance port and various polarizers on a wheel in front of the exit port allowed a range of radiance levels and polarization. With the open position selected for the polarizer wheel, the calibrator provided a beam that was less than 0.1 percent polarized.

Instrumental polarization of the OCPP was determined by viewing the optical calibrator with the polarizer wheel open position selected. By repeating the observation with the OCPP rotated by 90° relative to the orientation used for the first, we find instrumental polarization appearing as any residual polarization whose direction appears unchanged by the instrument rotation. In this manner we found that the instrumental polarization is 0.47 percent for 270 nm, 0.15 for 365 nm, 0.09 for 550 nm and 0.30 for 935 nm. Corrections corresponding to these instrumental polarizations are made in Q and U given by Eqs. (5) and (6), proportional to the intensity I for each observation.

Pre-flight calibration tests using polarized beams indicated that the absolute accuracy of the measured polarization degree is of the order of 2 percent for a source that is 100 percent polarized. For the more typically observed situation of a source with 15 percent or less polarization, the absolute accuracy is approximately 0.1 or 0.2 percent for 365, 550 and 935 nm and 0.4 percent for the 270 nm band, the latter being limited by signal-to-noise. A more conservative estimate of 0.4 percent absolute accuracy for the three longer wavelength bands is perhaps appropriate for actual observations because of contributions by scattered light, for which corrections are difficult to specify. Relative polarization degree accuracy is, however, easily as good as 0.2 percent and is probably closer to 0.1 percent. Both absolute and relative accuracy for the actual 270 nm observations is limited to about 1 percent by the low signal-to-noise. For the three longer wavelength bands, the normal Venus radiance levels observed are such that the digitization error is the largest (and usually insignificant) effect.

Imaging MTF. Modulation transfer function (MTF) tests were performed prior to and following vibration tests of the OCPP instrument. In the test configuration

the OCPP observed the beam from a 50-inch collimator intercepted by a reticle wheel with a series of square-bar patterns. Table 2 lists the pre- and post-vibration modulation values (determined from oscilloscope trace photographs) as a function of bar width at the radius projected onto the instrument focal plane.

Table 2. Measured Square-bar Modulation for OCPP Imaging

Bar Width (inch)	Spatial Frequency (cycle/rad)	Measured Square-bar Modulation	
		Pre-vibration	Post-vibration
.085	294	0.99	0.99
.055	455	0.99	0.99
.0433	577	0.99	0.99
.0289	865	0.83	0.84
.0218	1147	0.58	0.58
.0146	1712	0.16	0.18

Spectral responsivity. The OCPP system spectral response over each of the photopolarimetry bands and the imaging band was measured using a Cary 14 Spectrometer and a calibrated silicon photodiode. Estimates of the contribution from the integrated out-of-band response for a source approximating the Venus spectrum were obtained using the xenon-source optical calibrator and Schott leak filters WG-345, GG-420 and RG-665. The resulting spectral characteristics are tabulated in Table 3.

Table 3. OCPP Imaging and Photopolarimetry Band Spectral Characteristics

Band (nm)	Central Wavelength(nm)	Half-Maximum Intensity Wavelengths(nm)	0.1-Maximum Intensity Wavelengths(nm)	Integrated Out-of-band Response(%)
935	937.5	929.5, 945.5	925, 949.5	——
550	547	541, 553.5	538, 559.5	0.1
365	366	354, 379	345.5, 385	1.3
270	271	257, 286	250, 297	2
Imaging	350	315, 377	288, 387	6

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APPENDIX A

IMAGE	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0001	0001	5 DEC 1978	339	23:06:45	116.7	59817.4	-28.0	31.0	-0.8	-90.1
0006	0003	7 DEC 1978	341	20:08:29	114.2	52098.2	-35.4	34.0	-1.0	-87.1
0007	0003	8 DEC 1978	342	00:28:04	113.6	65410.0	-23.3	29.5	-1.0	-86.8
0011	0005	9 DEC 1978	343	17:59:16	111.4	36760.2	-46.6	39.5	-1.2	-84.0
0012	0005	9 DEC 1978	343	22:30:49	111.2	60393.4	-29.0	31.4	-1.2	-83.7
0015	0006	10 DEC 1978	344	11:58:44	102.3	35045.0	11.7	19.5	-1.2	-82.8
0017	0007	11 DEC 1978	345	21:26:24	108.5	55553.9	-32.8	32.6	-1.3	-80.5
0026	0012	17 DEC 1978	351	02:27:36	99.6	66324.3	-21.7	29.0	-1.8	-72.1
0029	0014	18 DEC 1978	352	11:50:29	91.6	44575.6	4.1	21.7	-1.9	-69.8
0031	0016	20 DEC 1978	354	11:50:43	88.7	46416.9	2.7	22.1	-2.1	-66.6
0032	0016	20 DEC 1978	354	23:11:24	95.9	57303.4	-31.6	32.4	-2.1	-65.8
0036	0019	23 DEC 1978	357	11:59:53	84.2	48000.2	1.6	22.4	-2.3	-61.7
0037	0020	24 DEC 1978	358	12:09:18	82.5	47852.6	1.7	22.4	-2.3	-60.1
0038	0020	25 DEC 1978	359	02:13:27	88.2	64328.0	-25.0	30.0	-2.4	-59.1
0040	0021	25 DEC 1978	359	12:19:50	80.9	47641.4	1.8	22.3	-2.4	-58.4
0041	0022	26 DEC 1978	360	12:29:34	79.2	47506.5	1.9	22.3	-2.5	-56.8
0043	0024	28 DEC 1978	362	12:36:21	76.1	48368.6	1.3	22.5	-2.6	-53.5
0044	0025	29 DEC 1978	363	13:25:56	73.8	44233.3	4.3	21.7	-2.7	-51.9
0045	0026	30 DEC 1978	364	13:35:00	72.1	44001.3	4.5	21.6	-2.7	-50.2
0048	0029	2 JAN 1979	002	13:20:22	67.9	47985.5	1.5	22.4	-2.9	-45.4
0053	0031	4 JAN 1979	004	13:15:22	64.9	49656.0	0.3	22.7	-3.0	-42.1
0054	0031	4 JAN 1979	004	23:31:41	77.1	49721.6	-37.1	34.7	-3.0	-41.4
0065	0034	7 JAN 1979	007	13:32:24	59.9	49235.1	0.6	22.6	-3.1	-37.2
0069	0035	8 JAN 1979	008	13:37:09	58.3	49354.1	0.5	22.6	-3.2	-35.6
0078	0037	10 JAN 1979	010	13:47:55	55.0	49357.2	0.5	22.6	-3.2	-32.3
0083	0038	11 JAN 1979	011	13:56:50	53.3	48972.3	0.7	22.5	-3.2	-30.7
0088	0039	12 JAN 1979	012	14:01:51	51.7	48893.1	0.8	22.5	-3.3	-29.1
0092	0040	13 JAN 1979	013	09:35:10	54.2	64655.4	-12.6	26.3	-3.3	-27.7
0093	0040	13 JAN 1979	013	14:06:51	50.1	48855.5	0.8	22.5	-3.3	-27.4
0094	0040	14 JAN 1979	014	05:46:21	56.8	66195.3	-21.6	29.0	-3.3	-26.4
0097	0043	17 JAN 1979	017	05:59:42	52.3	66184.1	-21.6	29.0	-3.4	-21.5
0098	0044	18 JAN 1979	018	06:01:38	50.9	66142.9	-21.7	29.1	-3.4	-19.9
0102	0046	19 JAN 1979	019	09:59:00	44.7	64639.6	-12.6	26.3	-3.4	-18.0
0105	0046	20 JAN 1979	020	05:30:45	48.8	65404.2	-23.1	29.6	-3.4	-16.6
0106	0047	20 JAN 1979	020	14:54:39	38.4	46902.3	2.2	22.0	-3.4	-16.0
0109	0047	21 JAN 1979	021	05:34:01	47.4	65416.8	-23.1	29.6	-3.4	-15.0
0110	0048	21 JAN 1979	021	14:57:49	36.8	46933.6	2.2	22.0	-3.4	-14.4
0113	0048	22 JAN 1979	022	05:36:43	46.0	65373.8	-23.2	29.6	-3.4	-13.4
0114	0049	22 JAN 1979	022	15:01:01	35.2	46895.1	2.3	22.0	-3.4	-12.8
0117	0049	23 JAN 1979	023	05:39:32	44.6	65361.2	-23.2	29.6	-3.4	-11.8
0118	0050	23 JAN 1979	023	15:04:00	33.6	46925.6	2.2	22.0	-3.4	-11.1
0121	0050	24 JAN 1979	024	05:42:38	43.2	65341.3	-23.2	29.6	-3.4	-10.1
0122	0051	24 JAN 1979	024	15:10:54	31.9	46606.3	2.5	21.9	-3.4	-9.5
0125	0051	25 JAN 1979	025	05:56:05	41.5	65570.1	-22.7	29.5	-3.4	-8.5
0130	0053	26 JAN 1979	026	15:15:00	28.7	46639.3	2.4	21.9	-3.4	-6.2
0132	0053	27 JAN 1979	027	03:05:30	44.5	58774.4	-30.1	32.2	-3.4	-5.5
0133	0054	27 JAN 1979	027	12:46:12	29.2	58452.3	-6.4	24.4	-3.4	-4.8
0138	0055	28 JAN 1979	028	12:47:45	27.7	58527.2	-6.4	24.4	-3.3	-3.2
0143	0055	29 JAN 1979	029	03:10:06	42.1	58764.3	-30.1	32.2	-3.3	-2.2
0144	0056	29 JAN 1979	029	12:49:42	26.0	58541.8	-6.4	24.4	-3.3	-1.6
0150	0057	30 JAN 1979	030	12:51:29	24.4	58557.0	-6.4	24.4	-3.3	0.1
0155	0057	31 JAN 1979	031	03:14:44	39.9	58699.1	-30.2	32.2	-3.3	1.0
0156	0058	31 JAN 1979	031	12:52:17	22.9	58620.8	-6.5	24.4	-3.3	1.7
0161	0058	1 FEB 1979	032	03:29:36	38.2	59434.0	-29.5	32.0	-3.3	2.7
0162	0059	1 FEB 1979	032	12:58:00	21.2	58359.2	-6.3	24.3	-3.2	3.3

IMAGE	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0167	0059	2 FEB 1979	033	02:44:39	39.1	56667.5	-31.7	32.8	-3.2	4.2
0168	0060	2 FEB 1979	033	12:29:15	20.2	60002.9	-7.7	24.7	-3.2	4.9
0170	0061	3 FEB 1979	034	09:31:14	23.6	65993.8	-15.1	27.0	-3.2	6.3
0173	0062	5 FEB 1979	036	04:23:40	31.9	61884.6	-27.2	31.1	-3.1	9.2
0174	0063	5 FEB 1979	036	09:30:00	21.0	66026.7	-15.2	27.0	-3.1	9.5
0175	0063	5 FEB 1979	036	14:25:23	13.2	52542.1	-1.8	23.0	-3.1	9.9
0178	0064	6 FEB 1979	037	09:30:57	19.8	66032.4	-15.2	27.0	-3.1	11.2
0181	0065	8 FEB 1979	039	04:20:55	29.5	61637.0	-27.5	31.2	-3.0	14.0
0182	0066	8 FEB 1979	039	09:28:16	17.7	66064.4	-15.5	27.1	-3.0	14.4
0183	0066	8 FEB 1979	039	14:25:34	8.4	52649.3	-2.2	23.1	-3.0	14.7
0185	0066	9 FEB 1979	040	04:20:20	28.8	61646.1	-27.6	31.3	-3.0	15.7
0186	0067	9 FEB 1979	040	09:26:22	16.7	66083.0	-15.5	27.1	-2.9	16.0
0187	0067	9 FEB 1979	040	14:24:27	6.8	52698.4	-2.0	23.0	-2.9	16.3
0190	0068	10 FEB 1979	041	09:25:36	15.5	66081.9	-15.3	27.1	-2.9	17.6
0191	0068	10 FEB 1979	041	14:23:06	5.2	52745.8	-1.9	23.0	-2.9	17.9
0193	0068	11 FEB 1979	042	03:45:29	28.7	59991.6	-28.8	31.7	-2.9	18.8
0194	0069	11 FEB 1979	042	08:44:23	16.3	66505.2	-16.9	27.6	-2.8	19.2
0195	0069	12 FEB 1979	043	03:43:57	28.2	59895.8	-28.9	31.8	-2.8	20.5
0196	0070	12 FEB 1979	043	08:43:48	15.6	66504.9	-16.9	27.6	-2.8	20.8
0197	0070	13 FEB 1979	044	03:42:49	27.7	59854.4	-28.9	31.8	-2.7	22.1
0198	0071	13 FEB 1979	044	08:41:14	15.1	66511.5	-16.9	27.6	-2.7	22.4
0201	0072	15 FEB 1979	046	03:33:17	27.3	59429.2	-29.2	31.9	-2.6	25.3
0202	0073	15 FEB 1979	046	08:30:18	14.8	66547.7	-17.3	27.7	-2.6	25.6
0204	0074	16 FEB 1979	047	09:08:27	13.2	66218.3	-15.7	27.2	-2.6	27.3
0205	0074	16 FEB 1979	047	14:09:51	4.5	53470.3	-2.3	23.1	-2.5	27.6
0207	0074	17 FEB 1979	048	04:20:48	24.5	61852.4	-26.9	31.0	-2.5	28.5
0208	0075	17 FEB 1979	048	09:28:33	12.5	65914.3	-14.9	26.9	-2.5	28.9
0209	0075	17 FEB 1979	048	14:24:40	6.5	52161.1	-1.3	22.8	-2.5	29.2
0211	0075	18 FEB 1979	049	04:17:56	24.5	61787.1	-27.0	31.1	-2.4	30.1
0212	0076	18 FEB 1979	049	09:26:28	12.9	65920.6	-14.9	26.9	-2.4	30.5
0213	0076	18 FEB 1979	049	14:21:57	8.0	52269.7	-1.4	22.9	-2.4	30.8
0216	0077	19 FEB 1979	050	09:23:10	13.5	65938.7	-14.9	26.9	-2.4	32.1
0217	0077	19 FEB 1979	050	14:18:36	9.6	52407.5	-1.5	22.9	-2.3	32.4
0219	0077	20 FEB 1979	051	04:12:54	24.8	61686.9	-27.1	31.1	-2.3	33.3
0220	0078	20 FEB 1979	051	09:19:56	14.3	65967.4	-15.0	27.0	-2.3	33.7
0221	0078	20 FEB 1979	051	14:15:47	11.1	52488.3	-1.5	22.9	-2.3	34.0
0223	0078	21 FEB 1979	052	04:09:45	25.1	61623.9	-27.0	31.1	-2.2	34.9
0225	0079	21 FEB 1979	052	14:06:02	12.6	53055.9	-1.8	23.0	-2.2	35.6
0228	0080	22 FEB 1979	053	08:23:01	17.3	66489.5	-16.9	27.6	-2.2	36.8
0230	0081	23 FEB 1979	054	08:20:23	18.3	66486.0	-17.0	27.6	-2.1	38.4
0232	0082	24 FEB 1979	055	08:16:38	19.3	66490.7	-17.0	27.6	-2.0	40.0
0234	0082	25 FEB 1979	056	03:14:48	28.6	59343.6	-29.1	31.8	-1.9	41.3
0235	0083	25 FEB 1979	056	08:11:01	20.5	66498.2	-17.1	27.6	-1.9	41.6
0237	0084	26 FEB 1979	057	08:06:39	21.6	66504.0	-17.2	27.7	-1.8	43.2
0240	0085	28 FEB 1979	059	06:01:35	26.1	65635.5	-21.7	29.2	-1.7	46.3
0248	0086	1 MAR 1979	060	05:57:08	27.1	65616.8	-21.7	29.2	-1.6	47.9
0249	0087	1 MAR 1979	060	11:02:03	24.1	62478.1	-9.8	25.4	-1.6	48.2
0256	0087	2 MAR 1979	061	05:35:05	28.6	65233.0	-22.4	29.4	-1.5	49.4
0257	0088	2 MAR 1979	061	10:57:09	25.6	62543.1	-9.8	25.4	-1.5	49.8
0264	0088	3 MAR 1979	062	06:14:25	29.1	66000.0	-20.8	28.8	-1.4	51.1
0265	0089	3 MAR 1979	062	11:18:13	27.2	61500.0	-8.7	25.1	-1.4	51.4
0272	0089	4 MAR 1979	063	06:08:40	30.3	65957.1	-20.9	28.9	-1.4	52.7
0273	0090	4 MAR 1979	063	11:12:43	28.8	61621.8	-8.8	25.1	-1.3	53.0
0278	0090	5 MAR 1979	064	06:02:30	31.6	65918.5	-20.9	28.9	-1.3	54.3
0279	0091	5 MAR 1979	064	11:06:26	30.3	61726.6	-8.9	25.1	-1.2	54.6

IMAGE	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0284	0091	6 MAR 1979	065	05:56:39	32.9	65872.4	-21.0	28.9	-1.2	55.9
0290	0092	7 MAR 1979	066	05:50:53	34.3	65830.2	-21.1	29.0	-1.1	57.4
0291	0093	7 MAR 1979	066	10:53:14	33.4	62002.2	-9.2	25.2	-1.1	57.8
0296	0093	8 MAR 1979	067	05:44:23	35.6	65797.9	-21.2	29.0	-1.0	59.0
0297	0094	8 MAR 1979	067	10:47:51	34.9	62082.6	-9.3	25.3	-1.0	59.4
0303	0095	9 MAR 1979	068	10:41:00	36.5	61844.5	-9.0	25.2	-0.9	61.0
0304	0096	10 MAR 1979	069	14:38:45	41.6	45332.6	3.9	21.5	-0.8	62.8
0309	0098	12 MAR 1979	071	14:47:54	45.2	43606.8	5.2	21.1	-0.6	66.0
0310	0099	13 MAR 1979	072	14:21:42	46.1	45943.6	3.5	21.6	-0.5	67.6
0313	0103	17 MAR 1979	076	09:52:13	48.7	64278.4	-11.4	25.9	-0.2	73.6
0315	0104	18 MAR 1979	077	14:12:05	53.2	49158.8	1.4	22.3	0.0	75.5
0316	0106	20 MAR 1979	079	09:53:33	53.3	64668.0	-11.9	26.1	0.1	78.4
0317	0106	20 MAR 1979	079	14:16:22	56.2	49638.4	1.0	22.4	0.1	78.7
0318	0107	21 MAR 1979	080	09:54:30	54.8	64767.7	-12.0	26.1	0.2	80.0
0319	0108	22 MAR 1979	081	14:29:31	59.5	49257.2	1.3	22.4	0.3	81.9
0320	0109	23 MAR 1979	082	10:39:51	58.2	63641.2	-10.6	25.7	0.4	83.2
0321	0110	24 MAR 1979	083	10:39:38	59.7	63787.2	-10.7	25.8	0.5	84.8
0322	0110	24 MAR 1979	083	14:50:37	62.9	48144.5	2.1	22.2	0.5	85.0
0326	0114	28 MAR 1979	087	15:19:47	69.4	47054.2	2.9	22.0	0.9	91.4
0328	0115	29 MAR 1979	088	15:22:55	70.9	47226.6	2.8	22.1	1.0	93.0
0330	0118	1 APR 1979	091	15:15:25	75.3	49128.4	1.4	22.5	1.3	97.7
0332	0122	5 APR 1979	095	15:52:25	81.9	47256.6	2.8	22.1	1.6	100.1
0333	0123	6 APR 1979	096	15:54:55	83.4	47460.0	2.6	22.2	1.7	100.7
0334	0124	7 APR 1979	097	15:56:28	85.0	47659.2	2.4	22.2	1.8	100.3
0335	0125	8 APR 1979	098	15:59:10	86.5	47789.3	2.3	22.3	1.8	100.9
0336	0127	10 APR 1979	100	16:16:00	89.8	46884.9	3.0	22.1	2.0	112.0
0337	0128	11 APR 1979	101	16:19:45	91.4	46986.6	2.9	22.1	2.1	113.6
0338	0131	14 APR 1979	104	16:26:36	96.0	47411.6	2.6	22.2	2.3	118.4
0339	0132	15 APR 1979	105	16:29:40	97.6	47463.4	2.5	22.2	2.4	120.0
0340	0134	17 APR 1979	107	16:34:16	100.7	47641.3	2.4	22.3	2.5	123.1
0341	0136	19 APR 1979	109	16:40:02	103.9	47640.8	2.3	22.3	2.6	126.3
0342	0139	22 APR 1979	112	16:46:30	108.6	47829.2	2.2	22.3	2.8	131.0
0344	0143	26 APR 1979	116	17:11:05	115.2	46238.1	3.3	22.0	3.0	137.4
0348	0175	29 MAY 1979	149	06:40:00	153.1	65407.6	-21.6	29.2	3.1	-170.9
0350	0223	15 JUL 1979	196	17:20:59	117.0	48236.5	2.6	22.1	-0.5	-94.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0005	NSSD01	1	255	129	0004	8 DEC 1978	342	20:10:05	112.9	51435.4	-35.8	34.1	-1.1	-85.5
0009	NSSD01	2	188	160	0006	10 DEC 1978	344	17:48:42	110.2	34092.8	-48.8	40.8	-1.2	-82.4
0010	NSSD01	3	282	133	0006	10 DEC 1978	344	21:58:47	109.9	58139.1	-30.8	32.1	-1.3	-82.1
0011	NSSD01	4	312	129	0007	11 DEC 1978	345	03:37:19	108.0	66806.6	-17.0	27.5	-1.3	-81.7
0012	NSSD01	5	173	120	0007	11 DEC 1978	345	12:17:20	100.3	33494.0	13.0	19.2	-1.3	-81.1
0014	NSSD01	6	285	141	0008	12 DEC 1978	346	22:18:24	107.1	58418.0	-30.6	32.0	-1.4	-78.8
0015	NSSD01	7	309	134	0009	13 DEC 1978	347	04:01:05	104.8	66739.6	-16.7	27.4	-1.5	-78.5
0016	NSSD01	8	172	128	0009	13 DEC 1978	347	12:36:43	97.1	32936.4	13.5	19.1	-1.5	-77.9
0020	NSSD01	9	167	130	0010	14 DEC 1978	348	12:49:57	95.4	32421.9	14.0	19.0	-1.6	-76.2
0021	NSSD01	10	192	174	0010	14 DEC 1978	348	18:31:13	105.8	35594.3	-47.5	39.9	-1.6	-75.9
0022	NSSD01	11	283	146	0010	14 DEC 1978	348	22:47:01	104.1	59147.8	-30.0	31.8	-1.6	-75.6
0026	NSSD01	12	285	149	0011	15 DEC 1978	349	23:05:42	102.6	59618.5	-29.7	31.7	-1.7	-73.9
0036	NSSD01	13	319	210	0030	4 JAN 1979	004	06:02:31	70.9	66865.4	-19.2	28.2	-3.0	-42.6
0038	NSSD01	14	314	214	0032	6 JAN 1979	006	06:16:13	67.8	66823.2	-19.0	28.2	-3.1	-39.3
0039	NSSD02	1	318	219	0033	7 JAN 1979	007	06:22:06	66.2	66824.5	-19.0	28.2	-3.1	-37.7
0041	NSSD02	2	317	224	0035	9 JAN 1979	009	06:32:48	63.1	66817.3	-19.0	28.2	-3.2	-34.4
0042	NSSD02	3	197	272	0040	13 JAN 1979	013	22:10:29	72.1	35957.1	-47.2	40.2	-3.3	-26.9
0056	NSSD02	4	166	209	0043	16 JAN 1979	016	16:19:00	44.2	35189.5	11.3	19.5	-3.4	-22.4
0060	NSSD02	5	267	230	0044	17 JAN 1979	017	12:38:16	45.1	56996.4	-5.2	24.1	-3.4	-21.0
0061	NSSD02	6	178	230	0044	17 JAN 1979	017	16:22:34	42.6	35253.5	11.2	19.5	-3.4	-20.8
0062	NSSD02	7	196	282	0044	17 JAN 1979	017	22:27:14	67.9	35914.4	-47.1	40.3	-3.4	-20.4
0065	NSSD02	8	272	236	0045	18 JAN 1979	018	12:43:33	43.4	56933.5	-5.2	24.1	-3.4	-19.4
0066	NSSD02	9	177	229	0045	18 JAN 1979	018	16:25:50	41.1	35425.7	11.1	19.5	-3.4	-19.2
0067	NSSD02	10	231	236	0046	19 JAN 1979	019	14:51:53	40.0	46841.2	2.3	22.0	-3.4	-17.6
0069	NSSD02	11	301	247	0048	21 JAN 1979	021	10:41:21	40.9	63501.9	-11.2	25.8	-3.4	-14.7
0071	NSSD02	12	293	244	0050	23 JAN 1979	023	10:46:50	37.8	63568.6	-11.3	25.9	-3.4	-11.4
0073	NSSD02	13	282	244	0052	25 JAN 1979	025	11:00:37	34.4	63272.0	-10.9	25.7	-3.4	-8.2
0074	NSSD02	14	292	249	0053	26 JAN 1979	026	11:03:29	32.9	63238.2	-10.9	25.7	-3.4	-6.5
0082	NSSD03	1	310	268	0059	2 FEB 1979	033	07:29:07	28.6	66564.1	-19.7	28.5	-3.2	4.6
0083	NSSD03	2	180	306	0060	2 FEB 1979	033	23:03:23	53.9	34925.8	-47.6	41.1	-3.2	5.6
0084	NSSD03	3	258	268	0060	3 FEB 1979	034	02:45:50	38.1	56683.9	-31.6	32.8	-3.2	5.9
0085	NSSD03	4	243	243	0061	3 FEB 1979	034	13:59:34	16.8	54411.9	-3.2	23.4	-3.2	6.6
0088	NSSD03	5	267	279	0061	4 FEB 1979	035	02:46:04	37.2	56678.8	-31.6	32.8	-3.2	7.5
0089	NSSD03	6	262	259	0062	4 FEB 1979	035	13:59:49	15.2	54486.8	-3.2	23.4	-3.1	8.2
0093	NSSD03	7	265	281	0063	6 FEB 1979	037	02:46:57	35.4	56576.5	-31.7	32.9	-3.1	10.7
0094	NSSD03	8	257	256	0064	6 FEB 1979	037	14:00:05	11.9	54502.4	-3.2	23.4	-3.1	11.5
0097	NSSD03	9	260	279	0064	7 FEB 1979	038	02:47:07	34.6	56576.3	-31.7	32.9	-3.0	12.3
0104	NSSD03	10	264	259	0069	11 FEB 1979	042	13:55:31	4.0	54807.3	-3.4	23.5	-2.8	19.5
0110	NSSD03	11	263	259	0071	13 FEB 1979	044	13:52:08	1.1	54973.6	-3.5	23.5	-2.7	22.7
0116	NSSD03	12	261	259	0073	15 FEB 1979	046	13:43:56	2.7	55478.5	-3.9	23.6	-2.6	25.9
0124	NSSD03	13	160	313	0079	21 FEB 1979	052	22:46:54	46.1	33826.2	-48.0	41.6	-2.2	36.2
0126	NSSD03	14	243	232	0080	22 FEB 1979	053	13:33:00	13.7	55344.6	-3.6	23.5	-2.1	37.2
0127	NSSD04	1	173	252	0080	22 FEB 1979	053	17:05:49	24.0	33623.7	13.0	18.6	-2.1	37.4
0128	NSSD04	2	159	308	0080	22 FEB 1979	053	22:45:28	46.0	34025.7	-48.0	41.5	-2.1	37.8
0129	NSSD04	3	257	286	0080	23 FEB 1979	054	02:20:14	30.2	55754.2	-32.0	33.0	-2.1	38.0
0132	NSSD04	4	154	300	0081	23 FEB 1979	054	22:42:48	46.0	33973.1	-48.0	41.5	-2.0	39.4
0134	NSSD04	5	264	255	0082	24 FEB 1979	055	13:30:12	16.9	55183.9	-3.5	23.5	-2.0	40.4
0136	NSSD04	6	266	257	0083	25 FEB 1979	056	13:25:03	18.5	55375.1	-3.6	23.5	-1.9	42.0
0138	NSSD04	7	154	300	0083	25 FEB 1979	056	22:37:17	46.2	33968.3	-48.0	41.5	-1.9	42.6
0139	NSSD04	8	256	284	0083	26 FEB 1979	057	02:09:57	31.6	55503.6	-32.1	33.1	-1.9	42.8
0140	NSSD04	9	265	254	0084	26 FEB 1979	057	13:21:27	20.1	55444.8	-3.7	23.6	-1.8	43.6
0143	NSSD04	10	254	281	0084	27 FEB 1979	058	02:04:11	32.3	55332.9	-32.2	33.1	-1.8	44.4
0144	NSSD04	11	263	253	0085	27 FEB 1979	058	13:16:36	21.6	55593.1	-3.8	23.6	-1.7	45.2
0147	NSSD04	12	199	283	0086	28 FEB 1979	059	23:56:54	39.4	44747.7	-39.8	36.5	-1.6	47.5
0149	NSSD04	13	204	289	0087	1 MAR 1979	060	23:53:40	39.8	44819.0	-39.7	36.5	-1.5	49.1

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER DATE	DOY	TIME S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0153	NSSD04	14	205	285	0089	3 MAR 1979	062	23:56:11	40.4	45800.8	-39.0	36.1	-1.4	52.3
0155	NSSD05	1	212	293	0090	4 MAR 1979	063	23:52:39	41.1	45762.9	-39.0	36.1	-1.3	53.9
0157	NSSD05	2	210	291	0091	5 MAR 1979	064	23:46:07	41.9	45501.3	-39.2	36.2	-1.2	55.4
0161	NSSD05	3	206	284	0093	7 MAR 1979	066	23:37:20	43.4	45288.3	-39.4	36.2	-1.0	58.6
0163	NSSD05	4	200	280	0094	8 MAR 1979	067	23:24:48	44.6	44323.1	-40.0	36.5	-0.9	60.2
0165	NSSD05	5	299	265	0094	9 MAR 1979	068	04:47:04	37.4	64653.1	-23.3	29.7	-0.9	60.6
0166	NSSD05	6	213	235	0095	9 MAR 1979	068	15:03:41	40.7	43031.8	5.6	21.0	-0.9	61.2
0169	NSSD05	7	215	232	0097	11 MAR 1979	070	14:52:39	43.7	43453.1	5.3	21.1	-0.7	64.4
0172	NSSD05	8	207	221	0100	14 MAR 1979	073	15:01:32	48.8	42068.9	6.5	20.8	-0.4	69.2
0175	NSSD05	9	285	231	0101	15 MAR 1979	074	10:46:55	45.9	61902.0	-8.7	25.2	-0.3	70.5
0176	NSSD05	10	202	212	0101	15 MAR 1979	074	15:04:58	50.2	42391.2	6.3	20.9	-0.3	70.8
0177	NSSD05	11	232	220	0102	16 MAR 1979	075	14:15:43	50.3	47974.5	2.2	22.1	-0.2	72.3
0178	NSSD05	12	300	232	0104	18 MAR 1979	077	09:53:21	50.2	64397.6	-11.5	26.0	-0.1	75.2
0180	NSSD05	13	238	210	0107	21 MAR 1979	080	14:18:59	57.8	49859.3	0.9	22.5	0.2	80.3
0181	NSSD05	14	234	205	0109	23 MAR 1979	082	14:49:18	61.4	47842.3	2.3	22.1	0.4	83.5
0185	NSSD06	1	234	192	0113	27 MAR 1979	086	14:57:02	67.5	48740.9	1.7	22.3	0.8	89.8
0188	NSSD06	2	232	181	0117	31 MAR 1979	090	15:26:45	74.0	47705.9	2.4	22.2	1.2	96.2
0191	NSSD06	3	228	166	0121	4 APR 1979	094	15:50:06	80.4	47010.3	3.0	22.1	1.5	102.5
0192	NSSD06	4	223	148	0126	9 APR 1979	099	16:15:00	88.3	46579.3	3.2	22.0	1.9	110.5
0194	NSSD06	5	227	139	0129	12 APR 1979	102	16:22:14	93.0	47050.9	2.9	22.1	2.1	115.2
0196	NSSD06	6	227	138	0130	13 APR 1979	103	16:24:30	94.5	47248.1	2.7	22.2	2.2	116.8
0199	NSSD06	7	223	125	0133	16 APR 1979	106	16:32:02	99.2	47522.3	2.5	22.2	2.4	121.5
0201	NSSD06	8	228	122	0135	18 APR 1979	108	16:44:33	102.4	46965.0	2.6	22.2	2.5	124.7
0202	NSSD06	9	224	113	0137	20 APR 1979	110	16:49:56	105.6	47006.1	2.8	22.1	2.7	127.9
0203	NSSD06	10	225	111	0138	21 APR 1979	111	16:52:39	107.2	46995.5	2.8	22.1	2.7	129.5
0204	NSSD06	11	230	104	0141	24 APR 1979	114	17:02:02	111.9	46740.6	3.0	22.1	2.9	134.2
0205	NSSD06	12	228	101	0142	25 APR 1979	115	17:16:28	113.7	45564.7	3.8	21.8	2.9	135.8
0206	NSSD06	13	226	95	0144	27 APR 1979	117	17:28:06	117.0	44643.1	4.5	21.6	3.0	139.0
0214	NSSD06	14	175	68	0173	27 MAY 1979	147	01:48:02	137.6	49725.0	-36.0	34.8	3.2	-174.4
0215	NSSD07	1	216	54	0173	27 MAY 1979	147	06:28:18	150.1	64889.8	-22.6	29.4	3.2	-174.1
0218	NSSD07	2	140	89	0174	27 MAY 1979	147	23:48:24	129.5	37396.9	-45.0	39.3	3.2	-173.0
0219	NSSD07	3	182	55	0174	28 MAY 1979	148	03:49:05	145.2	58842.2	-29.1	31.7	3.2	-172.7
0220	NSSD07	4	203	45	0175	28 MAY 1979	148	08:42:26	155.9	66380.0	-17.1	27.6	3.2	-172.4
0223	NSSD07	5	173	64	0175	29 MAY 1979	149	02:01:07	140.8	51901.5	-34.4	34.1	3.1	-171.2
0231	NSSD07	6	174	54	0177	31 MAY 1979	151	03:16:28	147.3	58102.4	-29.6	32.2	3.1	-168.0
0232	NSSD07	7	161	36	0177	31 MAY 1979	151	08:06:46	158.8	66351.5	-17.7	27.9	3.0	-167.6
0237	NSSD07	8	140	59	0178	1 JUN 1979	152	01:23:05	142.3	50601.5	-35.3	34.6	3.0	-166.5
0241	NSSD07	9	134	60	0179	2 JUN 1979	153	01:36:23	143.2	51112.7	-35.1	34.5	3.0	-164.9
0242	NSSD07	10	136	60	0180	3 JUN 1979	154	01:39:31	143.5	50653.5	-35.4	34.6	2.9	-163.3
0243	NSSD07	11	119	36	0181	4 JUN 1979	155	06:11:03	157.2	65067.5	-22.9	29.7	2.9	-161.4
0244	NSSD07	12	127	61	0182	5 JUN 1979	156	01:47:31	144.1	49933.1	-35.9	34.8	2.8	-160.1
0245	NSSD07	13	111	35	0182	5 JUN 1979	156	06:19:11	157.9	65063.9	-22.9	29.7	2.8	-159.8
0246	NSSD07	14	231	101	0225	17 JUL 1979	198	17:25:44	113.6	47577.3	3.1	22.0	-0.7	-91.6
0248	NSSD07	15	230	103	0226	18 JUL 1979	199	17:22:32	112.1	47811.3	2.9	22.1	-0.8	-90.0
0261	NSSD07	16	231	142	0238	30 JUL 1979	211	17:28:35	92.8	47562.9	3.1	22.1	-1.9	-70.6
0262	NSSD07	17	222	152	0241	2 AUG 1979	214	17:52:45	87.6	45524.3	4.6	21.7	-2.1	-65.7
0269	NSSD08	1	238	166	0246	7 AUG 1979	219	17:07:29	80.4	50308.1	1.1	22.7	-2.5	-57.6
0303	NSSD08	2	220	282	0292	23 SEP 1979	266	04:44:09	37.6	47773.2	-36.8	35.4	-2.9	17.8
0304	NSSD08	3	221	284	0293	24 SEP 1979	267	04:53:10	37.0	47734.9	-36.8	35.4	-2.8	19.4
0305	NSSD08	4	217	279	0294	25 SEP 1979	268	05:03:58	36.5	47798.7	-36.8	35.4	-2.8	21.0
0313	NSSD08	5	324	282	0303	3 OCT 1979	276	14:10:36	14.7	66733.0	-15.1	27.2	-2.3	34.5
0422	NSSD08	6	273	254	0310	11 OCT 1979	284	11:14:03	27.7	63611.9	-23.9	30.1	-1.6	47.1
0425	NSSD08	7	285	267	0311	12 OCT 1979	285	11:19:21	28.7	63559.3	-23.9	30.1	-1.6	48.7
0428	NSSD08	8	295	276	0312	13 OCT 1979	286	11:23:42	29.8	63468.5	-24.0	30.1	-1.5	50.3
0431	NSSD08	9	291	270	0313	14 OCT 1979	287	11:31:58	30.9	63530.1	-23.9	30.1	-1.4	51.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
Ø434	NSSDØ8	1Ø	294	272	Ø314	15 OCT 1979	288	11:32:36	32.1	63336.2	-24.1	3Ø.2	-1.3	53.5
Ø437	NSSDØ8	11	289	267	Ø315	16 OCT 1979	289	11:35:29	33.3	6323Ø.2	-24.3	3Ø.2	-1.2	55.1
Ø44Ø	NSSDØ8	12	292	269	Ø316	17 OCT 1979	29Ø	11:38:Ø4	34.6	6328Ø.4	-24.4	3Ø.3	-1.1	56.7
Ø445	NSSDØ8	13	268	269	Ø318	19 OCT 1979	292	1Ø:Ø6:42	38.7	57888.6	-29.1	32.Ø	-1.Ø	59.8
Ø451	NSSDØ8	14	277	27Ø	Ø32Ø	21 OCT 1979	294	1Ø:45:31	4Ø.5	5944Ø.4	-27.8	31.5	-Ø.8	63.Ø
Ø453	NSSDØ9	1	249	259	Ø321	22 OCT 1979	295	Ø9:47:21	42.8	55413.9	-31.Ø	32.6	-Ø.7	64.6
Ø469	NSSDØ9	2	232	224	Ø324	24 OCT 1979	297	22:51:Ø7	46.8	48396.2	3.2	21.9	-Ø.4	68.6
Ø492	NSSDØ9	3	294	239	Ø329	3Ø OCT 1979	3Ø3	13:24:23	51.8	63985.6	-23.3	29.8	Ø.1	77.5
Ø495	NSSDØ9	4	23Ø	2Ø3	Ø333	2 NOV 1979	3Ø6	23:58:55	61.2	47215.2	4.1	21.8	Ø.4	83.Ø
Ø496	NSSDØ9	5	224	234	Ø333	3 NOV 1979	3Ø7	Ø9:44:27	58.2	493Ø4.3	-35.3	34.3	Ø.4	83.6
Ø497	NSSDØ9	6	3Ø3	233	Ø333	3 NOV 1979	3Ø7	14:31:Ø2	57.7	65242.9	-21.5	29.2	Ø.5	83.9
Ø498	NSSDØ9	7	3Ø1	219	Ø334	3 NOV 1979	3Ø7	19:41:1Ø	59.2	63895.9	-9.5	25.6	Ø.5	84.3
Ø499	NSSDØ9	8	234	2Ø3	Ø334	4 NOV 1979	3Ø8	ØØ:Ø1:33	62.7	47524.9	3.9	21.8	Ø.5	84.5
Ø5ØØ	NSSDØ9	9	234	246	Ø334	4 NOV 1979	3Ø8	Ø9:51:47	59.4	494ØØ.9	-35.3	34.3	Ø.5	85.2
Ø5Ø1	NSSDØ9	1Ø	3Ø4	23Ø	Ø334	4 NOV 1979	3Ø8	14:32:52	59.1	65118.9	-21.7	29.3	Ø.6	85.5
Ø5Ø2	NSSDØ9	11	238	247	Ø335	5 NOV 1979	3Ø9	Ø9:55:35	6Ø.7	492Ø8.9	-35.4	34.3	Ø.6	86.8
Ø5Ø3	NSSDØ9	12	229	235	Ø336	6 NOV 1979	31Ø	Ø9:58:29	61.9	48918.3	-35.6	34.4	Ø.7	88.4
Ø5Ø4	NSSDØ9	13	3Ø7	227	Ø336	6 NOV 1979	31Ø	14:33:24	62.1	64827.Ø	-22.2	29.4	Ø.7	88.7
Ø5Ø5	NSSDØ9	14	298	2Ø9	Ø337	6 NOV 1979	31Ø	19:44:21	63.8	64383.Ø	-1Ø.1	25.8	Ø.8	89.Ø
Ø5Ø6	NSSDØ9	15	236	193	Ø337	7 NOV 1979	311	ØØ:Ø9:12	67.2	48458.Ø	3.2	22.1	Ø.8	89.3
Ø5Ø7	NSSD1Ø	1	233	238	Ø337	7 NOV 1979	311	1Ø:Ø1:51	63.2	48657.3	-35.8	34.4	Ø.8	9Ø.Ø
Ø5Ø8	NSSD1Ø	2	3Ø2	222	Ø337	7 NOV 1979	311	14:34:42	63.5	64687.7	-22.4	29.5	Ø.8	9Ø.3
Ø5Ø9	NSSD1Ø	3	298	2Ø5	Ø338	7 NOV 1979	311	19:43:58	65.3	64596.2	-1Ø.4	25.9	Ø.8	9Ø.6
Ø51Ø	NSSD1Ø	4	239	192	Ø338	8 NOV 1979	312	ØØ:12:22	68.8	48725.3	3.Ø	22.1	Ø.9	9Ø.9
Ø511	NSSD1Ø	5	227	229	Ø338	8 NOV 1979	312	1Ø:Ø4:Ø6	64.5	48395.3	-36.Ø	34.5	Ø.9	91.5
Ø512	NSSD1Ø	6	3Ø4	221	Ø338	8 NOV 1979	312	14:36:17	65.Ø	64566.5	-22.5	29.5	Ø.9	91.8
Ø513	NSSD1Ø	7	3Ø5	2Ø6	Ø339	8 NOV 1979	312	19:45:29	66.9	6471Ø.9	-1Ø.6	25.9	Ø.9	92.2
Ø514	NSSD1Ø	8	236	186	Ø339	9 NOV 1979	313	ØØ:15:Ø1	7Ø.3	49Ø2Ø.4	2.8	22.2	1.Ø	92.5
Ø515	NSSD1Ø	9	23Ø	23Ø	Ø339	9 NOV 1979	313	1Ø:Ø7:49	65.7	48Ø95.7	-36.2	34.6	1.Ø	93.1
Ø516	NSSD1Ø	1Ø	3Ø7	218	Ø339	9 NOV 1979	313	14:35:44	66.4	64353.2	-22.8	29.6	1.Ø	93.4
Ø517	NSSD1Ø	11	3Ø3	2Ø1	Ø34Ø	9 NOV 1979	313	19:45:51	68.4	64879.2	-1Ø.8	26.Ø	1.Ø	93.8
Ø518	NSSD1Ø	12	238	185	Ø34Ø	1Ø NOV 1979	314	ØØ:17:58	71.8	49375.Ø	2.6	22.3	1.Ø	94.1
Ø521	NSSD1Ø	13	241	183	Ø341	11 NOV 1979	315	ØØ:21:34	73.3	49562.7	2.4	22.3	1.1	95.6
Ø523	NSSD1Ø	14	3Ø1	194	Ø342	11 NOV 1979	315	19:49:26	71.5	65Ø75.4	-11.1	26.1	1.2	96.9
Ø524	NSSD1Ø	15	241	18Ø	Ø342	12 NOV 1979	316	ØØ:24:38	74.8	49783.2	2.2	22.4	1.2	97.2
Ø527	NSSD11	1	235	172	Ø343	13 NOV 1979	317	ØØ:26:46	76.3	5Ø159.Ø	2.Ø	22.5	1.3	98.8
Ø53Ø	NSSD11	2	241	171	Ø344	14 NOV 1979	318	ØØ:3Ø:45	77.9	5Ø279.7	1.9	22.5	1.4	1ØØ.4
Ø542	NSSD11	3	23Ø	155	Ø349	19 NOV 1979	323	Ø1:32:55	86.4	471Ø9.1	4.1	21.9	1.8	1Ø8.4
Ø545	NSSD11	4	23Ø	151	Ø35Ø	2Ø NOV 1979	324	Ø1:34:18	87.9	47396.9	3.9	22.Ø	1.9	11Ø.Ø
Ø548	NSSD11	5	23Ø	149	Ø351	21 NOV 1979	325	Ø1:45:Ø7	89.5	46848.6	4.3	21.9	2.Ø	111.6
Ø55Ø	NSSD11	6	225	142	Ø352	22 NOV 1979	326	Ø1:47:27	91.1	47159.3	4.1	21.9	2.Ø	113.1
Ø551	NSSD11	7	279	151	Ø354	23 NOV 1979	327	21:36:21	9Ø.7	63816.5	-9.5	25.7	2.2	116.Ø
Ø558	NSSD11	8	233	121	Ø36Ø	3Ø NOV 1979	334	Ø2:25:52	1Ø3.7	47Ø57.6	4.1	21.9	2.6	125.8
Ø559	NSSD11	9	3ØØ	135	Ø361	3Ø NOV 1979	334	22:Ø8:39	1Ø1.7	63746.Ø	-9.5	25.7	2.6	127.1
Ø56Ø	NSSD11	1Ø	235	118	Ø361	1 DEC 1979	335	Ø2:26:33	1Ø5.2	47355.9	3.9	22.Ø	2.6	127.4
Ø561	NSSD11	11	292	129	Ø362	1 DEC 1979	335	22:12:5Ø	1Ø3.3	63722.1	-9.5	25.7	2.7	128.7
Ø562	NSSD11	12	228	112	Ø362	2 DEC 1979	336	Ø2:27:14	1Ø6.7	47571.6	3.7	22.Ø	2.7	129.Ø
Ø563	NSSD11	13	298	126	Ø364	3 DEC 1979	337	22:21:Ø9	1Ø6.5	63622.3	-9.4	25.6	2.8	131.9
Ø57Ø	NSSD11	14	229	1Ø2	Ø366	6 DEC 1979	34Ø	Ø2:39:37	113.Ø	47626.9	3.6	22.Ø	2.9	135.3
Ø572	NSSD11	15	231	1ØØ	Ø367	7 DEC 1979	341	Ø2:41:25	114.6	477Ø3.6	3.6	22.Ø	3.Ø	136.9
Ø573	NSSD12	1	3ØØ	115	Ø368	7 DEC 1979	341	22:2Ø:21	112.6	64Ø19.5	-9.9	25.8	3.Ø	138.2
Ø574	NSSD12	2	226	96	Ø368	8 DEC 1979	342	Ø2:43:12	116.2	47759.9	3.5	22.Ø	3.Ø	138.5
Ø575	NSSD12	3	295	111	Ø369	8 DEC 1979	342	22:22:Ø8	114.2	64Ø36.5	-1Ø.Ø	25.8	3.Ø	139.8
Ø576	NSSD12	4	232	95	Ø369	9 DEC 1979	343	Ø2:45:Ø2	117.7	47818.8	3.5	22.1	3.Ø	14Ø.1
Ø577	NSSD12	5	29Ø	1Ø6	Ø37Ø	9 DEC 1979	343	22:22:13	115.7	641Ø7.5	-1Ø.1	25.8	3.1	141.4

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
Ø578	NSSD12	6	233	92	Ø37Ø	1Ø DEC 1979	344	Ø2:45:56	119.3	48Ø4Ø.4	3.3	22.1	3.1	141.7
Ø579	NSSD12	7	3Ø1	1Ø8	Ø371	1Ø DEC 1979	344	22:21:56	117.2	64212.1	-1Ø.2	25.9	3.1	143.Ø
Ø58Ø	NSSD12	8	224	85	Ø371	11 DEC 1979	345	Ø2:46:4Ø	12Ø.8	48165.1	3.2	22.1	3.1	143.3
Ø581	NSSD12	9	248	52	Ø394	2 JAN 198Ø	ØØ2	22:28:2Ø	153.5	63289.2	-9.2	25.5	3.3	179.5
Ø583	NSSD12	1Ø	167	8Ø	Ø394	3 JAN 198Ø	ØØ3	11:21:14	13Ø.7	4261Ø.7	-39.9	36.9	3.3	-179.7
Ø584	NSSD12	11	22Ø	62	Ø394	3 JAN 198Ø	ØØ3	15:11:33	142.7	6Ø55Ø.5	-26.5	31.1	3.3	-179.4
Ø587	NSSD12	12	89	29	Ø395	4 JAN 198Ø	ØØ4	Ø4:19:15	156.1	35Ø89.2	13.3	18.8	3.3	-178.6
Ø588	NSSD12	13	164	82	Ø395	4 JAN 198Ø	ØØ4	11:Ø8:Ø2	13Ø.9	41494.8	-4Ø.7	37.3	3.3	-178.1
Ø589	NSSD12	14	214	6Ø	Ø395	4 JAN 198Ø	ØØ4	14:53:12	143.3	598Ø2.5	-27.1	31.4	3.3	-177.9
Ø59Ø	NSSD13	1	234	51	Ø396	4 JAN 198Ø	ØØ4	19:52:19	152.9	66368.1	-15.1	27.3	3.3	-177.5
Ø592	NSSD13	2	8Ø	28	Ø396	5 JAN 198Ø	ØØ5	Ø4:16:17	157.2	34973.Ø	13.4	18.8	3.2	-177.Ø
Ø597	NSSD13	3	66	28	Ø397	6 JAN 198Ø	ØØ6	Ø4:12:35	158.2	34898.5	13.5	18.7	3.2	-176.4
Ø599	NSSD13	4	212	59	Ø397	6 JAN 198Ø	ØØ6	14:48:24	145.7	59985.7	-26.9	31.3	3.2	-174.7
Ø6Ø4	NSSD13	5	174	51	Ø398	7 JAN 198Ø	ØØ7	14:43:Ø1	146.7	59961.2	-26.9	31.3	3.2	-173.1
Ø6Ø7	NSSD13	6	56	27	Ø399	8 JAN 198Ø	ØØ8	Ø4:Ø2:35	16Ø.1	34945.6	13.5	18.7	3.2	-172.2
Ø6Ø8	NSSD13	7	145	74	Ø399	8 JAN 198Ø	ØØ8	1Ø:5Ø:35	134.3	41517.4	-4Ø.6	37.3	3.1	-171.8
Ø6Ø9	NSSD13	8	199	54	Ø399	8 JAN 198Ø	ØØ8	14:35:29	147.6	59794.8	-27.Ø	31.4	3.1	-171.5
Ø61Ø	NSSD13	9	178	38	Ø4ØØ	8 JAN 198Ø	ØØ8	19:33:29	158.3	66324.5	-15.Ø	27.3	3.1	-171.2
Ø612	NSSD13	1Ø	39	24	Ø4ØØ	9 JAN 198Ø	ØØ9	Ø3:55:53	161.1	35152.4	13.3	18.7	3.1	-17Ø.6
Ø613	NSSD13	11	141	73	Ø4ØØ	9 JAN 198Ø	ØØ9	1Ø:45:Ø4	135.1	41578.2	-4Ø.5	37.3	3.1	-17Ø.2
Ø614	NSSD13	12	157	46	Ø4ØØ	9 JAN 198Ø	ØØ9	14:3Ø:1Ø	148.6	59876.7	-27.Ø	31.4	3.1	-169.9
Ø617	NSSD13	13	131	7Ø	Ø4Ø1	1Ø JAN 198Ø	Ø1Ø	1Ø:52:47	135.9	41715.4	-4Ø.5	37.3	3.1	-168.6
Ø618	NSSD13	14	15Ø	45	Ø4Ø1	1Ø JAN 198Ø	Ø1Ø	14:39:52	149.6	6Ø153.7	-26.9	31.3	3.1	-168.3
Ø619	NSSD13	15	131	29	Ø4Ø2	1Ø JAN 198Ø	Ø1Ø	19:41:11	16Ø.9	66731.2	-14.9	27.2	3.1	-168.Ø
Ø625	NSSD14	1	128	32	Ø4Ø3	12 JAN 198Ø	Ø12	17:53:27	158.9	6627Ø.1	-19.4	28.7	3.Ø	-164.9
Ø626	NSSD14	2	13Ø	58	Ø4Ø4	13 JAN 198Ø	Ø13	12:19:23	143.4	48932.8	-35.3	34.8	2.9	-163.7
Ø627	NSSD14	3	13Ø	36	Ø4Ø4	13 JAN 198Ø	Ø13	16:41:53	156.7	64418.8	-22.4	29.7	2.9	-163.4
Ø628	NSSD14	4	125	57	Ø4Ø5	14 JAN 198Ø	Ø14	12:24:24	143.9	48862.6	-35.4	34.8	2.9	-162.1
Ø632	NSSD14	5	115	58	Ø4Ø7	16 JAN 198Ø	Ø16	12:37:46	145.3	49Ø35.Ø	-35.1	34.7	2.8	-158.9
Ø635	NSSD14	6	112	6Ø	Ø4Ø8	17 JAN 198Ø	Ø17	12:36:45	145.4	48539.Ø	-35.5	34.9	2.7	-157.3
Ø636	NSSD14	7	87	34	Ø4Ø8	17 JAN 198Ø	Ø17	17:11:49	159.7	64651.6	-22.Ø	29.6	2.7	-157.Ø
Ø638	NSSD14	8	1Ø5	61	Ø4Ø9	18 JAN 198Ø	Ø18	12:41:38	145.9	48631.3	-35.4	34.9	2.7	-155.7
Ø645	NSSD14	9	181	38	Ø422	31 JAN 198Ø	Ø31	Ø3:Ø2:39	157.Ø	49536.4	2.7	21.9	1.8	-135.5
Ø648	NSSD14	1Ø	218	45	Ø424	1 FEB 198Ø	Ø32	22:44:58	156.9	64333.2	-9.9	25.7	1.6	-132.6
Ø649	NSSD14	11	2Ø9	45	Ø424	2 FEB 198Ø	Ø33	Ø3:Ø4:51	153.8	492Ø5.9	3.Ø	21.9	1.6	-132.3
Ø65Ø	NSSD14	12	234	49	Ø425	2 FEB 198Ø	Ø33	22:49:14	155.4	6414Ø.1	-9.6	25.6	1.6	-131.Ø
Ø651	NSSD15	1	217	48	Ø425	3 FEB 198Ø	Ø34	Ø3:Ø6:49	152.1	48927.6	3.2	21.8	1.5	-13Ø.7
Ø652	NSSD15	2	255	53	Ø426	3 FEB 198Ø	Ø34	22:54:Ø8	153.8	63939.4	-9.4	25.5	1.5	-129.4
Ø653	NSSD15	3	22Ø	49	Ø426	4 FEB 198Ø	Ø35	Ø3:Ø9:33	15Ø.5	48545.4	3.5	21.7	1.5	-129.1
Ø656	NSSD15	4	267	57	Ø428	5 FEB 198Ø	Ø36	22:57:Ø9	15Ø.7	63756.8	-9.1	25.5	1.3	-126.2
Ø66Ø	NSSD15	5	233	57	Ø43Ø	8 FEB 198Ø	Ø39	Ø2:5Ø:36	144.8	5Ø941.8	1.9	22.2	1.1	-122.7
Ø664	NSSD15	6	24Ø	61	Ø432	1Ø FEB 198Ø	Ø41	Ø3:Ø2:Ø5	141.6	5Ø748.5	2.1	22.2	Ø.9	-119.5
Ø666	NSSD15	7	238	63	Ø433	11 FEB 198Ø	Ø42	Ø3:Ø8:11	14Ø.Ø	5Ø616.8	2.2	22.2	Ø.8	-117.9
Ø668	NSSD15	8	239	65	Ø434	12 FEB 198Ø	Ø43	Ø3:13:32	138.4	5Ø613.5	2.2	22.2	Ø.7	-116.3
Ø672	NSSD15	9	29Ø	76	Ø437	14 FEB 198Ø	Ø45	23:27:Ø9	136.6	64267.7	-9.4	25.6	Ø.5	-111.7
Ø673	NSSD15	1Ø	23B	71	Ø437	15 FEB 198Ø	Ø46	Ø3:31:Ø7	133.5	5Ø166.8	2.6	22.1	Ø.4	-111.4
Ø676	NSSD15	11	294	81	Ø439	16 FEB 198Ø	Ø47	23:39:59	133.4	64164.8	-9.3	25.6	Ø.3	-1Ø8.5
Ø677	NSSD15	12	244	77	Ø439	17 FEB 198Ø	Ø48	Ø3:42:27	13Ø.2	49974.2	2.7	22.1	Ø.3	-1Ø8.2
Ø678	NSSD15	13	297	84	Ø44Ø	17 FEB 198Ø	Ø48	23:46:25	131.7	64Ø71.6	-9.2	25.5	Ø.2	-1Ø6.8
Ø679	NSSD15	14	237	77	Ø44Ø	18 FEB 198Ø	Ø49	Ø3:48:Ø9	128.6	49811.8	2.9	22.1	Ø.2	-1Ø6.6
Ø683	NSSD16	1	24Ø	83	Ø442	2Ø FEB 198Ø	Ø51	Ø3:59:21	125.4	49585.4	3.Ø	22.1	Ø.Ø	-1Ø3.3
Ø685	NSSD16	2	212	15Ø	Ø459	8 MAR 198Ø	Ø68	13:51:53	1Ø5.3	41164.2	-4Ø.6	36.6	-1.6	-75.2
Ø686	NSSD16	3	295	144	Ø459	8 MAR 198Ø	Ø68	18:ØØ:29	1Ø3.2	6Ø986.6	-25.7	3Ø.6	-1.6	-74.9
Ø687	NSSD16	4	318	144	Ø46Ø	8 MAR 198Ø	Ø68	23:Ø7:Ø3	1ØØ.7	66411.7	-13.5	26.8	-1.7	-74.6
Ø688	NSSD16	5	27Ø	139	Ø46Ø	9 MAR 198Ø	Ø69	Ø3:44:52	97.7	55623.1	-1.4	23.5	-1.7	-74.3

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
Ø69Ø	NSSD16	6	211	152	Ø46Ø	9 MAR 198Ø	Ø69	13:48:22	1Ø4.1	4Ø536.6	-41.Ø	36.8	-1.7	-73.6
Ø691	NSSD16	7	297	147	Ø46Ø	9 MAR 198Ø	Ø69	18:Ø6:58	1Ø1.7	61153.3	-25.5	3Ø.6	-1.7	-73.3
Ø693	NSSD16	8	267	141	Ø461	1Ø MAR 198Ø	Ø7Ø	Ø3:5Ø:33	96.Ø	55368.7	-1.3	23.4	-1.8	-72.6
Ø694	NSSD16	9	174	138	Ø461	1Ø MAR 198Ø	Ø7Ø	Ø7:21:13	91.6	33714.7	15.3	18.8	-1.8	-72.4
Ø695	NSSD16	1Ø	211	155	Ø461	1Ø MAR 198Ø	Ø7Ø	13:54:38	1Ø2.8	4Ø956.4	-4Ø.7	36.7	-1.8	-72.Ø
Ø696	NSSD16	11	295	149	Ø461	1Ø MAR 198Ø	Ø7Ø	18:14:57	1ØØ.2	61398.5	-25.3	3Ø.5	-1.8	-71.7
Ø697	NSSD16	12	318	151	Ø462	1Ø MAR 198Ø	Ø7Ø	23:2Ø:43	97.4	663Ø6.2	-13.2	26.8	-1.8	-71.3
Ø698	NSSD16	13	267	144	Ø462	11 MAR 198Ø	Ø71	Ø3:57:Ø8	94.3	55Ø38.9	-1.Ø	23.4	-1.8	-71.Ø
Ø699	NSSD16	14	176	144	Ø462	11 MAR 198Ø	Ø71	Ø7:23:Ø9	9Ø.1	33755.6	15.3	18.8	-1.9	-7Ø.8
Ø7ØØ	NSSD16	15	215	16Ø	Ø462	11 MAR 198Ø	Ø71	13:59:26	1Ø1.5	41247.Ø	-4Ø.5	36.6	-1.9	-7Ø.3
Ø7Ø1	NSSD17	1	298	154	Ø462	11 MAR 198Ø	Ø71	18:21:Ø3	98.6	616Ø5.9	-25.1	3Ø.4	-1.9	-7Ø.Ø
Ø7Ø3	NSSD17	2	269	149	Ø463	12 MAR 198Ø	Ø72	Ø3:59:4Ø	92.7	55Ø83.5	-1.1	23.4	-1.9	-69.4
Ø7Ø4	NSSD17	3	176	148	Ø463	12 MAR 198Ø	Ø72	Ø7:27:Ø1	88.5	33543.4	15.5	18.8	-1.9	-69.1
Ø7Ø5	NSSD17	4	251	155	Ø463	12 MAR 198Ø	Ø72	15:37:28	99.Ø	5Ø892.5	-33.6	33.5	-2.Ø	-68.6
Ø7Ø6	NSSD17	5	314	158	Ø463	12 MAR 198Ø	Ø72	2Ø:16:2Ø	96.1	65396.5	-2Ø.5	28.9	-2.Ø	-68.3
Ø7Ø7	NSSD17	6	3Ø3	154	Ø464	13 MAR 198Ø	Ø73	Ø1:24:17	93.Ø	63413.6	-8.5	25.4	-2.Ø	-67.9
Ø7Ø8	NSSD17	7	233	15Ø	Ø464	13 MAR 198Ø	Ø73	Ø5:38:12	89.6	469Ø2.8	4.9	21.8	-2.Ø	-67.6
Ø713	NSSD17	8	241	167	Ø466	15 MAR 198Ø	Ø75	15:Ø8:24	95.3	47661.Ø	-35.9	34.4	-2.2	-63.8
Ø715	NSSD17	9	241	17Ø	Ø467	16 MAR 198Ø	Ø76	15:12:45	94.Ø	47897.3	-35.7	34.4	-2.3	-62.1
Ø716	NSSD17	1Ø	3Ø7	169	Ø467	16 MAR 198Ø	Ø76	19:43:4Ø	9Ø.3	64297.5	-22.1	29.5	-2.3	-61.8
Ø717	NSSD17	11	239	171	Ø468	17 MAR 198Ø	Ø77	15:15:13	92.6	47964.Ø	-35.7	34.4	-2.3	-6Ø.5
Ø718	NSSD17	12	31Ø	173	Ø468	17 MAR 198Ø	Ø77	19:48:39	88.8	64391.8	-22.Ø	29.4	-2.3	-6Ø.2
Ø719	NSSD17	13	243	177	Ø469	18 MAR 198Ø	Ø78	15:17:5Ø	91.2	47996.2	-35.7	34.4	-2.4	-58.9
Ø72Ø	NSSD17	14	31Ø	177	Ø469	18 MAR 198Ø	Ø78	19:49:59	87.3	64369.1	-22.Ø	29.4	-2.4	-58.6
Ø721	NSSD17	15	243	18Ø	Ø47Ø	19 MAR 198Ø	Ø79	15:19:24	89.9	48Ø29.3	-35.6	34.4	-2.5	-57.3
Ø722	NSSD18	1	3Ø8	178	Ø47Ø	19 MAR 198Ø	Ø79	19:52:4Ø	85.7	64399.7	-22.Ø	29.4	-2.5	-56.9
Ø724	NSSD18	2	239	172	Ø471	2Ø MAR 198Ø	Ø8Ø	Ø5:32:ØØ	78.6	48749.3	3.5	22.2	-2.5	-56.3
Ø728	NSSD18	3	311	186	Ø472	21 MAR 198Ø	Ø81	19:58:Ø4	82.6	6447Ø.4	-21.9	29.4	-2.6	-53.7
Ø729	NSSD18	4	244	191	Ø473	22 MAR 198Ø	Ø82	15:25:59	85.8	48Ø93.5	-35.6	34.4	-2.7	-52.4
Ø73Ø	NSSD18	5	3Ø5	186	Ø473	22 MAR 198Ø	Ø82	2Ø:ØØ:59	81.1	64479.Ø	-21.9	29.4	-2.7	-52.1
Ø731	NSSD18	6	245	2Ø6	Ø478	27 MAR 198Ø	Ø87	15:34:52	79.1	48Ø87.Ø	-35.6	34.4	-2.9	-44.2
Ø733	NSSD18	7	247	2Ø9	Ø557	14 JUN 198Ø	166	Ø6:54:ØØ	6Ø.3	49686.7	3.6	22.Ø	Ø.4	82.3
Ø734	NSSD18	8	231	253	Ø557	14 JUN 198Ø	166	16:45:22	57.5	47274.7	-35.5	34.6	Ø.4	83.Ø
Ø735	NSSD18	9	3Ø3	217	Ø558	15 JUN 198Ø	167	Ø2:2Ø:35	58.3	6517Ø.5	-1Ø.Ø	25.9	Ø.4	83.6
Ø736	NSSD18	1Ø	248	2Ø7	Ø558	15 JUN 198Ø	167	Ø6:56:2Ø	61.8	5ØØ33.1	3.4	22.1	Ø.5	83.9
Ø74Ø	NSSD18	11	225	241	Ø559	16 JUN 198Ø	168	16:51:51	6Ø.Ø	46684.7	-35.9	34.7	Ø.6	86.1
Ø742	NSSD18	12	3Ø3	212	Ø56Ø	17 JUN 198Ø	169	Ø2:54:27	61.7	64573.1	-9.1	25.6	Ø.6	86.8
Ø743	NSSD18	13	238	197	Ø56Ø	17 JUN 198Ø	169	Ø7:22:36	65.2	48755.8	4.3	21.9	Ø.6	87.1
Ø744	NSSD18	14	231	112	Ø587	14 JUL 198Ø	196	1Ø:Ø7:3Ø	1Ø8.Ø	4659Ø.2	5.8	21.6	2.7	13Ø.Ø
Ø747	NDDD18	15	296	123	Ø589	16 JUL 198Ø	198	Ø5:46:15	1Ø7.6	638Ø7.5	-8.3	25.5	2.8	132.8
Ø748	NSSD19	1	226	1Ø4	Ø589	16 JUL 198Ø	198	1Ø:Ø7:42	111.Ø	47284.3	5.2	21.7	2.8	133.1
Ø749	NSSD19	2	23Ø	1Ø3	Ø59Ø	17 JUL 198Ø	199	1Ø:18:35	112.7	46575.4	5.7	21.6	2.9	134.7
Ø75Ø	NSSD19	3	298	118	Ø591	18 JUL 198Ø	2ØØ	Ø6:Ø1:23	11Ø.8	63523.Ø	-8.Ø	25.4	2.9	136.Ø
Ø751	NSSD19	4	232	1Ø1	Ø591	18 JUL 198Ø	2ØØ	1Ø:21:51	114.2	4656Ø.6	5.8	21.6	2.9	136.3
Ø752	NSSD19	5	294	113	Ø592	19 JUL 198Ø	2Ø1	Ø6:Ø4:34	112.4	63527.Ø	-8.Ø	25.4	3.Ø	137.6
Ø753	NSSD19	6	232	98	Ø592	19 JUL 198Ø	2Ø1	1Ø:26:34	115.8	464Ø5.Ø	5.9	21.5	3.Ø	137.9
Ø754	NSSD19	7	291	11Ø	Ø593	2Ø JUL 198Ø	2Ø2	Ø6:Ø6:33	114.Ø	63556.2	-8.Ø	25.4	3.Ø	139.2
Ø755	NSSD19	8	229	93	Ø593	2Ø JUL 198Ø	2Ø2	1Ø:27:14	117.4	466Ø2.4	5.7	21.6	3.Ø	139.5
Ø757	NSSD19	9	231	92	Ø594	21 JUL 198Ø	2Ø3	1Ø:31:17	118.9	46517.5	5.8	21.6	3.1	141.1
Ø759	NSSD19	1Ø	23Ø	88	Ø595	22 JUL 198Ø	2Ø4	1Ø:19:49	12Ø.3	47953.1	4.7	21.8	3.1	142.6
Ø76Ø	NSSD19	11	295	1Ø3	Ø596	23 JUL 198Ø	2Ø5	Ø6:ØØ:46	118.5	64Ø46.Ø	-8.7	25.6	3.1	143.9
Ø761	NSSD19	12	233	87	Ø596	23 JUL 198Ø	2Ø5	1Ø:21:35	1-21.9	48Ø44.9	4.7	21.9	3.1	144.2
Ø762	NSSD19	13	291	99	Ø597	24 JUL 198Ø	2Ø6	Ø6:Ø1:47	12Ø.Ø	6417Ø7.9	-8.7	25.6	3.2	145.5
Ø763	NSSD19	14	233	85	Ø597	24 JUL 198Ø	2Ø6	1Ø:23:19	123.5	481Ø3.3	4.6	21.9	3.2	145.8
Ø764	NSSD19	15	299	99	Ø598	25 JUL 198Ø	2Ø7	Ø6:Ø2:27	121.6	64158.2	-8.8	25.6	3.2	147.1

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0765	NSSD19	16	232	82	0598	25 JUL 1980	207	10:24:50	125.0	48294.8	4.5	21.9	3.2	147.4
0768	NSSD19	17	296	94	0600	27 JUL 1980	209	06:11:42	124.7	64295.6	-9.0	25.7	3.3	150.3
0769	NSSD19	18	225	75	0600	27 JUL 1980	209	10:35:45	128.2	48542.7	4.3	21.9	3.3	150.6
0776	NSSD20	1	297	84	0604	31 JUL 1980	213	06:36:42	131.3	63505.5	-8.0	25.4	3.3	156.7
0777	NSSD20	2	225	67	0604	31 JUL 1980	213	10:52:23	134.6	47037.7	5.4	21.6	3.4	156.9
0778	NSSD20	3	297	82	0605	1 AUG 1980	214	06:39:11	132.9	63540.1	-8.1	25.4	3.4	158.2
0780	NSSD20	4	297	80	0606	2 AUG 1980	215	06:40:11	134.4	63596.6	-8.1	25.4	3.4	159.8
0781	NSSD20	5	225	63	0606	2 AUG 1980	215	10:57:04	137.7	47199.7	5.3	21.6	3.4	160.1
0782	NSSD20	6	297	79	0607	3 AUG 1980	216	06:41:31	136.0	63652.7	-8.2	25.4	3.4	161.4
0783	NSSD20	7	226	61	0607	3 AUG 1980	216	10:58:54	139.2	47366.5	5.2	21.6	3.4	161.7
0784	NSSD20	8	299	77	0608	4 AUG 1980	217	06:42:17	137.5	63696.7	-8.3	25.4	3.4	163.0
0785	NSSD20	9	223	59	0608	4 AUG 1980	217	11:00:21	140.8	47396.9	5.2	21.6	3.4	163.3
0786	NSSD20	10	296	74	0609	5 AUG 1980	218	06:43:02	139.1	63752.2	-8.3	25.4	3.4	164.6
0787	NSSD20	11	225	58	0609	5 AUG 1980	218	11:01:58	142.3	47563.3	5.0	21.6	3.4	164.9
0788	NSSD20	12	221	56	0610	6 AUG 1980	219	11:03:34	143.9	47657.5	5.0	21.6	3.4	166.5
0789	NSSD20	13	293	71	0611	7 AUG 1980	220	06:44:45	142.2	63894.6	-8.5	25.5	3.4	167.8
0790	NSSD21	1	220	53	0611	7 AUG 1980	220	11:05:04	145.5	47720.2	4.9	21.6	3.4	168.1
0791	NSSD21	2	288	67	0612	8 AUG 1980	221	06:45:35	143.7	63947.6	-8.5	25.5	3.4	169.4
0792	NSSD21	3	216	51	0612	8 AUG 1980	221	11:06:41	147.0	47884.5	4.8	21.6	3.4	169.6
0809	NSSD21	4	154	82	0620	16 AUG 1980	229	19:49:37	130.7	39244.8	-41.4	37.9	3.2	-177.1
0810	NSSD21	5	206	56	0620	17 AUG 1980	230	00:05:27	145.3	60470.6	-25.4	30.9	3.2	-176.8
0813	NSSD21	6	66	28	0621	17 AUG 1980	230	13:34:08	156.0	33303.3	16.5	18.0	3.2	-175.9
0814	NSSD21	7	145	78	0621	17 AUG 1980	230	19:51:54	131.4	39109.6	-41.5	37.9	3.2	-175.5
0815	NSSD21	8	204	55	0621	18 AUG 1980	231	00:07:01	146.4	60413.4	-25.5	31.0	3.2	-175.2
0817	NSSD21	9	64	29	0622	18 AUG 1980	231	13:36:22	156.9	33401.4	16.4	18.0	3.2	-174.3
0818	NSSD21	10	139	76	0622	18 AUG 1980	231	19:54:07	132.3	39149.4	-41.4	37.9	3.2	-173.9
0820	NSSD21	11	55	31	0623	19 AUG 1980	232	13:38:33	157.8	33550.1	16.3	18.0	3.2	-172.7
0821	NSSD21	12	145	78	0623	19 AUG 1980	232	19:56:19	133.0	39014.1	-41.5	38.0	3.2	-172.3
0822	NSSD21	13	204	54	0623	20 AUG 1980	233	00:09:50	148.5	60227.2	-25.6	31.0	3.2	-172.0
0825	NSSD21	14	41	29	0624	20 AUG 1980	233	13:40:51	158.6	33647.6	16.2	18.1	3.1	-171.1
0826	NSSD22	1	140	76	0624	20 AUG 1980	233	19:58:42	133.7	38922.3	-41.6	38.0	3.1	-170.7
0827	NSSD22	2	157	44	0624	21 AUG 1980	234	00:11:26	149.5	60187.0	-25.6	31.0	3.1	-170.4
0828	NSSD22	3	146	31	0625	21 AUG 1980	234	05:08:16	160.1	66497.3	-13.7	27.0	3.1	-170.1
0830	NSSD22	4	133	74	0625	21 AUG 1980	234	20:00:51	134.4	38830.2	-41.7	38.1	3.1	-169.1
0831	NSSD22	5	166	46	0625	22 AUG 1980	235	00:12:42	150.4	60092.6	-25.7	31.1	3.1	-168.8
0832	NSSD22	6	121	26	0626	22 AUG 1980	235	05:09:15	161.3	66507.1	-13.7	27.1	3.1	-168.5
0834	NSSD22	7	34	32	0626	22 AUG 1980	235	13:45:15	159.9	33741.2	16.2	18.0	3.1	-167.9
0835	NSSD22	8	127	73	0626	22 AUG 1980	235	20:03:16	135.1	38826.4	-41.7	38.1	3.0	-167.5
0836	NSSD22	9	161	45	0626	23 AUG 1980	236	00:14:32	151.3	60034.0	-25.7	31.1	3.0	-167.2
0837	NSSD22	10	112	24	0627	23 AUG 1980	236	05:10:48	162.5	66514.1	-13.8	27.1	3.0	-166.9
0841	NSSD22	11	141	43	0627	24 AUG 1980	237	00:28:44	152.7	60597.0	-25.2	30.9	3.0	-165.6
0844	NSSD22	12	32	35	0628	24 AUG 1980	237	13:49:56	160.8	33935.3	16.1	18.1	3.0	-164.7
0845	NSSD22	13	122	72	0628	24 AUG 1980	237	20:08:11	136.4	38774.8	-41.7	38.1	3.0	-164.3
0846	NSSD22	14	135	41	0628	25 AUG 1980	238	00:18:10	152.9	59952.9	-25.8	31.1	2.9	-164.0
0849	NSSD23	1	38	39	0629	25 AUG 1980	238	13:52:15	161.0	33931.8	16.1	18.1	2.9	-163.1
0850	NSSD23	2	111	69	0629	25 AUG 1980	238	20:10:38	136.8	38594.2	-41.8	38.2	2.9	-162.7
0852	NSSD23	3	118	58	0630	26 AUG 1980	239	21:25:35	143.8	46704.4	-35.8	35.2	2.9	-161.0
0853	NSSD23	4	98	28	0630	27 AUG 1980	240	02:05:13	158.9	64107.6	-21.4	29.5	2.8	-160.7
0854	NSSD23	5	112	57	0631	27 AUG 1980	240	21:27:48	144.3	46596.0	-35.9	35.2	2.8	-159.4
0855	NSSD23	6	96	30	0631	28 AUG 1980	241	02:06:31	159.5	64048.9	-21.4	29.6	2.8	-159.1
0856	NSSD23	7	110	61	0632	28 AUG 1980	241	21:29:22	144.7	46522.5	-35.9	35.2	2.7	-157.8
0857	NSSD23	8	89	30	0632	29 AUG 1980	242	02:06:58	159.9	63956.4	-21.6	29.6	2.7	-157.5
0859	NSSD23	9	77	32	0633	30 AUG 1980	243	02:08:03	160.4	63930.3	-21.6	29.6	2.7	-155.9
0861	NSSD23	10	73	32	0634	31 AUG 1980	244	02:09:02	160.6	63858.9	-21.6	29.6	2.6	-154.3
0862	NSSD23	11	93	59	0635	31 AUG 1980	244	21:35:21	145.6	46230.9	-36.1	35.3	2.6	-153.0

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
Ø863	NSSD23	12	65	33	Ø635	1 SEP 198Ø	245	Ø2:1Ø:44	16Ø.7	63786.7	-21.7	29.7	2.6	-152.7
Ø864	NSSD23	13	86	59	Ø636	1 SEP 198Ø	245	21:38:11	145.9	46263.3	-36.1	35.3	2.5	-151.4
Ø865	NSSD23	14	65	32	Ø636	2 SEP 198Ø	246	Ø2:13:32	16Ø.8	63795.Ø	-21.7	29.6	2.5	-151.1
Ø867	NSSD24	1	62	35	Ø637	3 SEP 198Ø	247	Ø2:15:14	16Ø.7	63768.7	-21.7	29.7	2.4	-149.5
Ø868	NSSD24	2	78	71	Ø638	3 SEP 198Ø	247	21:42:53	146.Ø	46Ø8Ø.1	-36.2	35.3	2.4	-148.2
Ø869	NSSD24	3	63	33	Ø638	4 SEP 198Ø	248	Ø2:16:56	16Ø.4	63695.8	-21.8	29.7	2.4	-147.9
Ø885	NSSD24	4	183	38	Ø646	11 SEP 198Ø	255	12:Ø9:Ø5	157.5	5Ø778.7	3.3	22.Ø	1.8	-136.1
Ø887	NSSD24	5	194	41	Ø647	12 SEP 198Ø	256	12:11:15	155.9	5Ø837.Ø	3.3	22.Ø	1.7	-134.5
Ø889	NSSD24	6	2Ø7	44	Ø648	13 SEP 198Ø	257	12:13:32	154.4	5Ø955.Ø	3.2	22.Ø	1.6	-132.9
Ø891	NSSD24	7	214	46	Ø649	14 SEP 198Ø	258	12:15:42	152.9	51Ø13.3	3.2	22.1	1.6	-131.2
Ø893	NSSD24	8	217	48	Ø65Ø	15 SEP 198Ø	259	12:17:54	151.3	51Ø71.4	3.2	22.1	1.5	-129.6
Ø895	NSSD24	9	222	51	Ø651	16 SEP 198Ø	26Ø	12:2Ø:22	149.8	51Ø7Ø.2	3.2	22.1	1.4	-128.Ø
Ø897	NSSD24	1Ø	227	52	Ø652	17 SEP 198Ø	261	12:22:49	148.2	51128.5	3.2	22.1	1.3	-126.4
Ø899	NSSD24	11	229	54	Ø653	18 SEP 198Ø	262	12:25:24	146.6	511Ø1.2	3.2	22.1	1.2	-124.8
Ø9Ø1	NSSD24	12	232	56	Ø654	19 SEP 198Ø	263	12:27:58	145.1	511ØØ.2	3.1	22.1	1.1	-123.2
Ø9Ø3	NSSD24	13	232	58	Ø655	2Ø SEP 198Ø	264	12:3Ø:31	143.5	5116Ø.1	3.2	22.1	1.Ø	-121.6
Ø9Ø5	NSSD24	14	227	59	Ø656	21 SEP 198Ø	265	12:57:46	141.2	49Ø34.8	4.8	21.7	Ø.9	-12Ø.Ø
Ø9Ø7	NSSD25	1	23Ø	62	Ø657	22 SEP 198Ø	266	13:ØØ:29	139.7	49ØØ2.5	4.8	21.7	Ø.9	-118.4
Ø9Ø9	NSSD25	2	227	63	Ø658	23 SEP 198Ø	267	13:Ø3:15	138.1	4897Ø.2	4.8	21.7	Ø.8	-116.7
Ø911	NSSD25	3	23Ø	65	Ø659	24 SEP 198Ø	268	13:Ø6:Ø4	136.5	4897Ø.2	4.9	21.7	Ø.7	-115.1
Ø915	NSSD25	4	233	69	Ø661	26 SEP 198Ø	27Ø	13:12:17	133.3	48938.2	4.9	21.7	Ø.5	-111.9
Ø917	NSSD25	5	237	73	Ø662	27 SEP 198Ø	271	13:15:Ø9	131.8	489Ø6.3	4.9	21.7	Ø.4	-11Ø.3
Ø919	NSSD25	6	242	75	Ø663	28 SEP 198Ø	272	13:18:Ø1	13Ø.2	48878.Ø	5.Ø	21.7	Ø.3	-1Ø8.7
Ø921	NSSD25	7	242	79	Ø664	29 SEP 198Ø	273	13:21:14	128.6	48847.1	5.Ø	21.7	Ø.2	-1Ø7.1
Ø923	NSSD25	8	241	8Ø	Ø665	3Ø SEP 198Ø	274	13:24:21	127.Ø	48847.7	5.Ø	21.7	Ø.1	-1Ø5.4
Ø925	NSSD25	9	239	82	Ø666	1 OCT 198Ø	275	13:27:37	125.4	48783.6	5.1	21.7	Ø.Ø	-1Ø3.8
Ø927	NSSD25	1Ø	242	86	Ø667	2 OCT 198Ø	276	13:3Ø:42	123.8	48751.9	5.1	21.7	-Ø.1	-1Ø2.2
Ø929	NSSD25	11	243	89	Ø668	3 OCT 198Ø	277	13:33:51	122.2	4872Ø.4	5.1	21.7	-Ø.2	-1ØØ.6
Ø931	NSSD25	12	238	9Ø	Ø669	4 OCT 198Ø	278	13:37:Ø3	12Ø.6	48623.7	5.2	21.7	-Ø.3	-99.Ø
Ø933	NSSD25	13	241	93	Ø67Ø	5 OCT 198Ø	279	13:4Ø:14	119.Ø	48592.Ø	5.2	21.7	-Ø.4	-97.4
Ø935	NSSD26	1	244	97	Ø671	6 OCT 198Ø	28Ø	13:43:27	117.4	4856Ø.3	5.2	21.7	-Ø.5	-95.8
Ø937	NSSD26	2	242	1Ø2	Ø673	8 OCT 198Ø	282	13:49:57	114.2	48468.5	5.3	21.8	-Ø.7	-92.5
Ø939	NSSD26	3	242	1Ø6	Ø674	9 OCT 198Ø	283	13:53:17	112.6	48338.3	5.4	21.7	-Ø.8	-9Ø.9
Ø941	NSSD26	4	24Ø	1Ø7	Ø675	1Ø OCT 198Ø	284	13:56:36	111.Ø	48339.3	5.4	21.7	-Ø.9	-89.3
Ø943	NSSD26	5	241	111	Ø676	11 OCT 198Ø	285	13:59:55	1Ø9.4	48274.4	5.5	21.7	-Ø.9	-87.7
Ø945	NSSD26	6	242	114	Ø677	12 OCT 198Ø	286	14:Ø3:19	1Ø7.8	48143.2	5.6	21.7	-1.Ø	-86.Ø
Ø946	NSSD26	7	311	122	Ø678	13 OCT 198Ø	287	Ø9:21:39	11Ø.Ø	64651.1	-8.9	25.7	-1.1	-84.7
Ø947	NSSD26	8	239	116	Ø678	13 OCT 198Ø	287	14:Ø6:37	1Ø6.2	48111.1	5.6	21.7	-1.1	-84.4
Ø949	NSSD26	9	239	12Ø	Ø679	14 OCT 198Ø	288	14:1Ø:16	1Ø4.6	47979.Ø	5.7	21.7	-1.2	-82.8
Ø95Ø	NSSD26	1Ø	3Ø7	127	Ø68Ø	15 OCT 198Ø	289	Ø9:29:53	1Ø6.8	64566.6	-8.8	25.7	-1.3	-81.5
Ø953	NSSD26	11	238	126	Ø681	16 OCT 198Ø	29Ø	14:16:52	1Ø1.4	47914.1	5.7	21.7	-1.4	-79.5
Ø954	NSSD26	12	129	147	Ø681	16 OCT 198Ø	29Ø	17:28:35	93.9	22Ø7Ø.5	29.7	14.4	-1.4	-79.3
Ø957	NSSD26	13	274	132	Ø682	17 OCT 198Ø	291	12:41:Ø1	1Ø1.4	55796.8	-Ø.2	23.3	-1.5	-78.Ø
Ø958	NSSD26	14	171	129	Ø682	17 OCT 198Ø	291	16:26:Ø8	96.2	32797.6	17.9	18.3	-1.5	-77.8
Ø959	NSSD27	1	19Ø	149	Ø682	17 OCT 198Ø	291	22:2Ø:18	1Ø7.1	36546.5	-43.4	38.1	-1.5	-77.4
Ø96Ø	NSSD27	2	283	137	Ø682	18 OCT 198Ø	292	Ø2:1Ø:Ø1	1Ø5.6	57833.4	-27.3	31.3	-1.5	-77.1
Ø962	NSSD27	3	275	135	Ø683	18 OCT 198Ø	292	12:44:42	99.7	55749.7	-Ø.2	23.3	-1.6	-76.4
Ø963	NSSD27	4	174	136	Ø683	18 OCT 198Ø	292	16:29:Ø7	94.7	32695.Ø	18.Ø	18.3	-1.6	-76.2
Ø965	NSSD27	5	283	141	Ø683	19 OCT 198Ø	293	Ø2:13:39	1Ø4.1	57876.5	-27.2	31.3	-1.6	-75.5
Ø966	NSSD27	6	318	141	Ø684	19 OCT 198Ø	293	Ø7:37:53	1Ø1.5	66514.6	-13.7	27.1	-1.6	-75.1
Ø967	NSSD27	7	272	138	Ø684	19 OCT 198Ø	293	12:48:11	98.1	55654.2	-Ø.1	23.3	-1.7	-74.8
Ø97Ø	NSSD27	8	281	143	Ø684	2Ø OCT 198Ø	294	Ø2:17:18	1Ø2.6	57961.5	-27.2	31.3	-1.7	-73.9
Ø971	NSSD27	9	315	143	Ø685	2Ø OCT 198Ø	294	Ø7:41:57	99.9	665Ø7.3	-13.6	27.1	-1.7	-73.5
Ø972	NSSD27	1Ø	268	14Ø	Ø685	2Ø OCT 198Ø	294	12:51:55	96.5	556Ø6.7	-Ø.1	23.3	-1.7	-73.2
Ø973	NSSD27	11	174	143	Ø685	2Ø OCT 198Ø	294	16:35:Ø1	91.6	3254Ø.7	18.1	18.2	-1.7	-72.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0975	NSSD27	12	280	145	0685	21 OCT 1980	295	02:21:17	101.2	58046.2	-27.1	31.2	-1.8	-72.2
0976	NSSD27	13	319	148	0686	21 OCT 1980	295	07:46:16	98.2	66497.6	-13.5	27.0	-1.8	-71.9
0977	NSSD27	14	269	142	0686	21 OCT 1980	295	12:55:38	94.8	55534.7	0.0	23.3	-1.8	-71.5
0978	NSSD28	1	173	145	0686	21 OCT 1980	295	16:37:58	90.2	32696.5	18.0	18.3	-1.8	-71.3
0981	NSSD28	2	319	151	0687	22 OCT 1980	296	07:50:20	96.6	66490.9	-13.5	27.0	-1.9	-70.3
0982	NSSD28	3	263	143	0687	22 OCT 1980	296	12:59:13	93.2	55438.1	0.0	23.3	-1.9	-69.9
0983	NSSD28	4	172	148	0687	22 OCT 1980	296	16:40:54	88.6	32593.5	18.1	18.3	-1.9	-69.7
0985	NSSD28	5	285	154	0687	23 OCT 1980	297	02:28:51	98.2	58151.2	-27.0	31.2	-1.9	-69.0
0986	NSSD28	6	314	152	0688	23 OCT 1980	297	07:54:30	95.0	66481.7	-13.4	27.0	-2.0	-68.6
0987	NSSD28	7	269	150	0688	23 OCT 1980	297	13:03:00	91.6	55318.6	0.1	23.3	-2.0	-68.3
0989	NSSD28	8	286	157	0688	24 OCT 1980	298	02:32:57	96.7	58254.3	-26.9	31.2	-2.0	-67.4
0991	NSSD28	9	272	154	0689	24 OCT 1980	298	13:06:52	89.9	55295.1	0.1	23.3	-2.1	-66.7
0992	NSSD28	10	169	153	0689	24 OCT 1980	298	16:46:59	85.6	32446.2	18.2	18.2	-2.1	-66.4
0995	NSSD28	11	226	120	0690	25 OCT 1980	299	08:03:23	91.8	66458.8	-13.3	27.0	-2.1	-65.4
0997	NSSD28	12	234	158	0691	26 OCT 1980	300	14:51:05	85.2	46938.9	6.4	21.6	-2.2	-63.3
0998	NSSD28	13	231	160	0692	27 OCT 1980	301	14:54:25	83.6	46938.9	6.4	21.6	-2.3	-61.7
0999	NSSD28	14	234	165	0693	28 OCT 1980	302	14:57:42	82.0	46869.6	6.4	21.6	-2.4	-60.0
1000	NSSD29	1	233	168	0694	29 OCT 1980	303	15:01:04	80.3	46730.6	6.5	21.6	-2.4	-58.4
1002	NSSD29	2	223	170	0696	31 OCT 1980	305	15:07:41	77.1	46621.3	6.6	21.5	-2.6	-55.2
1003	NSSD29	3	227	173	0697	1 NOV 1980	306	15:10:53	75.5	46549.9	6.6	21.5	-2.6	-53.5
1004	NSSD29	4	228	179	0698	2 NOV 1980	307	15:14:14	73.9	46444.0	6.7	21.5	-2.7	-51.9
1005	NSSD29	5	229	183	0699	3 NOV 1980	308	15:17:45	72.2	46372.8	6.8	21.5	-2.7	-50.3
1006	NSSD29	6	228	185	0700	4 NOV 1980	309	15:20:47	70.6	46336.5	6.8	21.5	-2.8	-48.6
1007	NSSD29	7	227	188	0701	5 NOV 1980	310	15:23:56	69.0	46264.9	6.8	21.4	-2.8	-47.0
1008	NSSD29	8	224	188	0702	6 NOV 1980	311	15:27:17	67.4	46122.0	6.9	21.4	-2.9	-45.4
1009	NSSD29	9	228	198	0704	8 NOV 1980	313	15:33:42	64.2	46047.7	7.0	21.4	-3.0	-42.1
1010	NSSD29	10	226	200	0705	9 NOV 1980	314	15:36:50	62.6	45974.9	7.0	21.4	-3.0	-40.5
1011	NSSD29	11	226	202	0706	10 NOV 1980	315	15:40:00	60.9	45830.0	7.1	21.3	-3.1	-38.9
1021	NSSD29	12	295	232	0719	23 NOV 1980	328	11:34:59	43.4	63754.0	-7.9	25.4	-3.4	-18.0
1024	NSSD29	13	232	238	0721	25 NOV 1980	330	15:58:45	37.1	47916.7	5.6	21.6	-3.4	-14.5
1026	NSSD30	1	246	254	0722	27 NOV 1980	332	02:15:42	51.9	50686.6	-32.8	33.7	-3.4	-12.2
1028	NSSD30	2	225	191	0723	28 NOV 1980	333	08:02:23	39.8	66218.0	-16.8	28.1	-3.4	-10.1
1032	NSSD30	3	242	259	0726	1 DEC 1980	336	02:28:03	47.0	50819.9	-32.7	33.7	-3.4	-5.7
1036	NSSD30	4	238	261	0729	4 DEC 1980	339	02:37:08	43.6	50868.0	-32.6	33.7	-3.3	-0.8
1038	NSSD30	5	235	264	0730	5 DEC 1980	340	02:31:17	43.0	50107.5	-33.2	33.9	-3.3	0.8
1039	NSSD30	6	295	256	0730	5 DEC 1980	340	07:06:22	31.8	64882.6	-19.8	29.0	-3.3	1.1
1044	NSSD30	7	235	265	0733	8 DEC 1980	343	02:48:11	39.4	50821.1	-32.6	33.7	-3.2	5.7
1048	NSSD30	8	244	270	0736	11 DEC 1980	346	03:25:59	35.0	53139.6	-30.9	33.1	-3.1	10.6
1051	NSSD30	9	248	276	0738	13 DEC 1980	348	03:30:55	33.3	53077.4	-30.9	33.1	-3.0	13.8
1054	NSSD30	10	243	273	0740	15 DEC 1980	350	03:35:14	31.9	52988.1	-31.0	33.1	-2.9	17.1
1055	NSSD30	11	225	248	0741	15 DEC 1980	350	16:55:06	9.6	47697.8	6.1	21.3	-2.9	17.9
1056	NSSD30	12	234	276	0742	17 DEC 1980	352	03:14:29	32.3	50815.7	-32.5	33.7	-2.8	20.3
1058	NSSD30	13	282	248	0743	17 DEC 1980	352	12:42:46	6.4	63627.2	-7.5	25.3	-2.8	20.9
1059	NSSD30	14	230	250	0743	17 DEC 1980	352	16:58:33	8.7	47957.1	5.9	21.4	-2.8	21.2
1060	NSSD31	1	234	278	0743	18 DEC 1980	353	03:16:56	31.8	50752.5	-32.6	33.8	-2.8	21.9
1062	NSSD31	2	285	254	0744	18 DEC 1980	353	12:43:57	5.6	63680.7	-7.6	25.3	-2.7	22.5
1063	NSSD31	3	226	247	0744	18 DEC 1980	353	17:00:04	8.7	48019.9	5.9	21.4	-2.7	22.8
1066	NSSD31	4	303	263	0745	19 DEC 1980	354	10:52:55	9.9	66107.1	-12.2	26.7	-2.7	24.0
1067	NSSD31	5	255	253	0745	19 DEC 1980	354	15:50:10	4.3	54090.2	1.3	22.7	-2.7	24.3
1068	NSSD31	6	164	246	0745	19 DEC 1980	354	19:08:22	21.5	33405.9	17.7	17.7	-2.7	24.5
1070	NSSD31	7	274	267	0745	20 DEC 1980	355	06:00:46	22.2	61007.1	-24.2	30.6	-2.6	25.3
1071	NSSD31	8	307	266	0746	20 DEC 1980	355	10:53:43	9.7	66121.6	-12.3	26.7	-2.6	25.6
1072	NSSD31	9	242	237	0746	20 DEC 1980	355	15:51:26	5.0	54213.2	1.2	22.7	-2.6	25.9
1073	NSSD31	10	164	244	0746	20 DEC 1980	355	19:10:25	21.9	33497.2	17.6	17.8	-2.6	26.2
1074	NSSD31	11	192	280	0746	21 DEC 1980	356	02:00:32	37.2	42470.2	-38.7	36.5	-2.6	26.6

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1Ø75	NSSD31	12	275	268	Ø746	21 DEC 198Ø	356	Ø6:Ø2:2Ø	22.Ø	6Ø955.Ø	-24.3	3Ø.6	-2.6	26.9
1Ø76	NSSD31	13	3Ø1	262	Ø747	21 DEC 198Ø	356	1Ø:56:33	9.7	66118.3	-12.3	26.7	-2.6	27.2
1Ø77	NSSD31	14	254	251	Ø747	21 DEC 198Ø	356	15:52:29	6.Ø	54365.1	1.1	22.7	-2.5	27.5
1Ø78	NSSD32	1	161	24Ø	Ø747	21 DEC 198Ø	356	19:12:2Ø	22.4	33651.2	17.5	17.8	-2.5	27.8
1Ø79	NSSD32	2	192	281	Ø747	22 DEC 198Ø	357	Ø2:Ø2:4Ø	37.Ø	42347.7	-38.8	36.6	-2.5	28.2
1ØØØ	NSSD32	3	27Ø	263	Ø747	22 DEC 198Ø	357	Ø6:Ø3:21	21.9	6Ø852.6	-24.3	3Ø.6	-2.5	28.5
1Ø81	NSSD32	4	3Ø2	262	Ø748	22 DEC 198Ø	357	1Ø:54:56	1Ø.1	66163.2	-12.4	26.7	-2.5	28.8
1Ø82	NSSD32	5	2Ø5	278	Ø748	23 DEC 198Ø	358	Ø2:35:Ø9	34.3	45553.Ø	-36.4	35.4	-2.5	29.9
1Ø83	NSSD32	6	272	259	Ø748	23 DEC 198Ø	358	Ø6:37:13	2Ø.5	62217.4	-22.9	3Ø.1	-2.4	3Ø.1
1Ø84	NSSD32	7	295	257	Ø749	23 DEC 198Ø	358	11:32:59	9.5	65718.9	-11.Ø	26.3	-2.4	3Ø.5
1Ø85	NSSD32	8	2Ø4	279	Ø749	24 DEC 198Ø	359	Ø2:36:59	34.3	4537Ø.4	-36.5	35.5	-2.4	31.5
1Ø86	NSSD32	9	279	266	Ø749	24 DEC 198Ø	359	Ø6:37:56	2Ø.7	621ØØ.Ø	-23.Ø	3Ø.2	-2.4	31.7
1Ø87	NSSD32	1Ø	298	257	Ø75Ø	24 DEC 198Ø	359	11:33:16	1Ø.4	65743.6	-11.1	26.3	-2.4	32.1
1Ø88	NSSD32	11	2Ø5	279	Ø75Ø	25 DEC 198Ø	36Ø	Ø2:39:Ø6	34.2	4543Ø.8	-36.4	35.4	-2.3	33.1
1Ø89	NSSD32	12	267	252	Ø75Ø	25 DEC 198Ø	36Ø	Ø6:39:Ø2	21.Ø	62Ø53.8	-23.1	3Ø.2	-2.3	33.3
1Ø9Ø	NSSD32	13	295	257	Ø751	25 DEC 198Ø	36Ø	11:33:44	11.5	65783.7	-11.2	26.4	-2.3	33.7
1Ø91	NSSD32	14	12Ø	254	Ø751	25 DEC 198Ø	36Ø	2Ø:28:5Ø	36.7	23229.9	28.9	13.9	-2.3	34.3
1Ø92	NSSD33	1	268	255	Ø751	26 DEC 198Ø	361	Ø6:39:49	21.4	61934.3	-23.2	3Ø.2	-2.2	34.9
1Ø93	NSSD33	2	3ØØ	259	Ø752	26 DEC 198Ø	361	11:33:56	12.6	65822.5	-11.2	26.4	-2.2	35.3
1Ø94	NSSD33	3	2Ø2	277	Ø752	27 DEC 198Ø	362	Ø2:42:53	34.5	45Ø8.9	-36.6	35.5	-2.2	36.3
1Ø95	NSSD33	4	276	263	Ø752	27 DEC 198Ø	362	Ø6:4Ø:32	21.9	61857.9	-23.2	3Ø.2	-2.2	36.6
1Ø96	NSSD33	5	299	257	Ø753	27 DEC 198Ø	362	11:34:Ø6	13.9	65845.Ø	-11.3	26.4	-2.1	36.9
1Ø97	NSSD33	6	2Ø1	276	Ø753	28 DEC 198Ø	363	Ø2:44:47	34.7	4503Ø.8	-36.7	35.5	-2.1	37.9
1Ø98	NSSD33	7	273	26Ø	Ø753	28 DEC 198Ø	363	Ø6:41:18	22.6	61781.1	-23.3	3Ø.2	-2.1	38.2
1Ø99	NSSD33	8	298	257	Ø754	28 DEC 198Ø	363	11:34:12	15.2	65881.8	-11.4	26.4	-2.1	38.5
11ØØ	NSSD33	9	185	277	Ø754	29 DEC 198Ø	364	Ø2:17:13	37.2	41771.3	-39.1	36.7	-2.Ø	39.5
11Ø2	NSSD33	1Ø	3Ø3	261	Ø755	29 DEC 198Ø	364	1Ø:56:23	17.Ø	6628Ø.9	-13.Ø	26.9	-2.Ø	4Ø.Ø
11Ø3	NSSD33	11	255	245	Ø755	29 DEC 198Ø	364	15:58:14	17.5	55532.7	Ø.4	23.Ø	-2.Ø	4Ø.4
11Ø4	NSSD33	12	168	238	Ø755	29 DEC 198Ø	364	19:26:33	29.Ø	34869.3	16.7	18.2	-2.Ø	4Ø.6
11Ø5	NSSD33	13	185	278	Ø755	3Ø DEC 198Ø	365	Ø2:19:Ø8	37.5	41648.4	-39.2	36.7	-2.Ø	41.1
11Ø6	NSSD33	14	268	262	Ø755	3Ø DEC 198Ø	365	Ø6:1Ø:19	25.2	6ØØ61.5	-25.Ø	3Ø.8	-1.9	41.3
112Ø	NSSD34	2	182	273	Ø758	2 JAN 1981	ØØ2	Ø2:24:23	38.7	41236.9	-39.5	36.8	-1.7	45.9
1121	NSSD34	3	262	257	Ø758	2 JAN 1981	ØØ2	Ø6:11:29	27.8	59678.1	-25.3	3Ø.9	-1.7	46.1
1122	NSSD34	4	3Ø1	257	Ø759	2 JAN 1981	ØØ2	1Ø:54:53	22.5	66336.3	-13.5	27.1	-1.7	46.4
1123	NSSD34	5	262	246	Ø759	2 JAN 1981	ØØ2	15:59:13	23.7	56231.8	-Ø.1	23.2	-1.7	46.8
1124	NSSD34	6	169	233	Ø759	2 JAN 1981	ØØ2	19:32:47	33.4	35633.6	16.1	18.4	-1.7	47.Ø
1125	NSSD34	7	181	272	Ø759	3 JAN 1981	ØØ3	Ø2:26:11	39.2	41153.6	-39.6	36.8	-1.6	47.5
1126	NSSD34	8	263	258	Ø759	3 JAN 1981	ØØ3	Ø6:11:59	28.8	59529.3	-25.4	3Ø.9	-1.6	47.7
1127	NSSD34	9	298	253	Ø76Ø	3 JAN 1981	ØØ3	1Ø:54:36	23.9	66343.8	-13.6	27.1	-1.6	48.Ø
1128	NSSD35	1	255	24Ø	Ø76Ø	3 JAN 1981	ØØ3	15:59:32	25.2	56414.2	-Ø.3	23.2	-1.6	48.4
1129	NSSD35	2	172	235	Ø76Ø	3 JAN 1981	ØØ3	19:34:22	34.6	35727.7	16.Ø	18.4	-1.6	48.6
113Ø	NSSD35	3	179	268	Ø76Ø	4 JAN 1981	ØØ4	Ø2:27:56	39.8	4Ø946.9	-39.7	36.9	-1.5	49.1
1131	NSSD35	4	262	256	Ø76Ø	4 JAN 1981	ØØ4	Ø6:12:17	29.8	59435.2	-25.5	31.Ø	-1.5	49.3
1132	NSSD35	5	3ØØ	254	Ø761	4 JAN 1981	ØØ4	1Ø:53:5Ø	25.4	66352.5	-13.7	27.1	-1.5	49.6
1133	NSSD35	6	262	244	Ø761	4 JAN 1981	ØØ4	15:59:15	26.7	56594.8	-Ø.4	23.2	-1.5	5Ø.Ø
1134	NSSD35	7	169	226	Ø761	4 JAN 1981	ØØ4	19:35:34	35.8	35963.6	15.8	18.5	-1.5	5Ø.2
1136	NSSD35	8	261	254	Ø761	5 JAN 1981	ØØ5	Ø6:11:53	3Ø.9	59227.2	-25.7	31.Ø	-1.4	5Ø.9
1137	NSSD35	9	298	251	Ø762	5 JAN 1981	ØØ5	1Ø:52:22	26.8	66358.5	-13.9	27.2	-1.4	51.2
1138	NSSD35	1Ø	262	242	Ø762	5 JAN 1981	ØØ5	15:58:33	28.3	56840.6	-Ø.6	23.3	-1.4	51.6
1143	NSSD35	11	195	2Ø2	Ø763	6 JAN 1981	ØØ6	17:19:31	31.7	511ØØ.5	3.9	22.Ø	-1.3	53.3
1147	NSSD35	12	253	225	Ø764	7 JAN 1981	ØØ7	12:38:47	29.7	65265.8	-9.8	26.Ø	-1.3	54.5
1153	NSSD35	13	223	231	Ø765	8 JAN 1981	ØØ8	18:Ø3:4Ø	36.Ø	47683.6	6.5	21.3	-1.1	56.5
1155	NSSD35	14	279	252	Ø765	9 JAN 1981	ØØ9	Ø8:13:34	33.7	639ØØ.3	-2Ø.6	29.3	-1.1	57.4
1162	NSSD36	1	2Ø5	271	Ø767	11 JAN 1981	Ø11	Ø3:29:46	42.3	45596.1	-36.2	35.1	-Ø.9	6Ø.3
1166	NSSD36	2	2Ø5	271	Ø768	12 JAN 1981	Ø12	Ø3:3Ø:35	43.3	45416.3	-36.3	35.1	-Ø.8	61.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
119Ø	NSSD36	3	2Ø4	263	Ø774	18 JAN 1981	Ø18	Ø3:34:36	49.7	44131Ø.3	-37.3	35.5	-Ø.3	71.4
1197	NSSD36	4	232	215	Ø776	19 JAN 1981	Ø19	18:24:21	52.7	48513.3	6.Ø	21.6	-Ø.1	74.Ø
1198	NSSD36	5	2ØØ	254	Ø776	2Ø JAN 1981	Ø2Ø	Ø3:35:15	52.Ø	43639.Ø	-37.6	35.6	-Ø.1	74.6
12Ø1	NSSD36	6	227	2Ø7	Ø777	2Ø JAN 1981	Ø2Ø	18:23:58	54.1	48868.9	5.8	21.7	Ø.Ø	75.6
12Ø6	NSSD36	7	2ØØ	251	Ø778	22 JAN 1981	Ø22	Ø3:35:55	54.3	43Ø63.8	-38.1	35.7	Ø.1	77.8
121Ø	NSSD36	8	198	248	Ø779	23 JAN 1981	Ø23	Ø3:36:25	55.5	429Ø9.2	-38.2	35.8	Ø.2	79.4
1214	NSSD36	9	2Ø7	243	Ø78Ø	24 JAN 1981	Ø24	Ø3:55:Ø1	56.3	44654.5	-36.9	35.2	Ø.3	81.Ø
1218	NSSD36	1Ø	2Ø6	24Ø	Ø782	25 JAN 1981	Ø25	Ø3:54:58	57.6	44284.1	-37.1	35.3	Ø.4	82.6
1246	NSSD36	11	2Ø1	221	Ø788	1 FEB 1981	Ø32	Ø3:55:46	66.1	424Ø5.7	-38.6	35.8	1.Ø	93.7
1247	NSSD36	12	283	2Ø8	Ø788	1 FEB 1981	Ø32	Ø8:Ø4:Ø7	66.6	61237.5	-23.7	3Ø.2	1.Ø	93.9
125Ø	NS3D36	13	196	216	Ø789	2 FEB 1981	Ø33	Ø3:55:58	67.4	42128.6	-38.8	35.9	1.1	95.2
1252	NSSD36	14	299	194	Ø79Ø	2 FEB 1981	Ø33	13:28:54	7Ø.2	65639.4	-1Ø.5	26.3	1.1	95.9
1253	NSSD37	1	239	178	Ø79Ø	2 FEB 1981	Ø33	18:35:12	74.Ø	5Ø799.4	4.3	22.2	1.2	96.2
1254	NSSD37	2	2ØØ	215	Ø79Ø	3 FEB 1981	Ø34	Ø3:56:Ø6	68.6	41969.6	-39.Ø	36.Ø	1.2	96.8
1257	NSSD37	3	224	17Ø	Ø791	3 FEB 1981	Ø34	18:34:2Ø	75.5	51Ø96.3	4.1	22.3	1.3	97.8
1258	NSSD37	4	199	213	Ø791	4 FEB 1981	Ø35	Ø3:56:27	69.8	41688.8	-39.2	36.Ø	1.3	98.4
1266	NSSD37	5	226	214	Ø793	6 FEB 1981	Ø37	Ø4:5Ø:ØØ	72.6	469Ø5.4	-35.4	34.3	1.5	1Ø1.6
1267	NSSD37	6	284	193	Ø793	6 FEB 1981	Ø37	Ø9:Ø1:52	74.3	63Ø51.1	-22.1	29.5	1.5	1Ø1.9
1268	NSSD37	7	281	175	Ø794	6 FEB 1981	Ø37	14:36:5Ø	77.1	643Ø8.1	-8.7	25.6	1.5	1Ø2.3
1269	NSSD37	8	211	156	Ø794	6 FEB 1981	Ø37	19:43:1Ø	81.4	45251.4	7.7	21.1	1.5	1Ø2.6
1273	NSSD37	9	223	158	Ø795	7 FEB 1981	Ø38	19:36:19	82.8	45995.Ø	7.8	21.3	1.6	1Ø4.2
1274	NSSD37	1Ø	22Ø	2Ø5	Ø795	8 FEB 1981	Ø39	Ø4:45:23	75.1	462Ø5.5	-35.8	34.5	1.6	1Ø4.8
1275	NSSD37	11	287	188	Ø795	8 FEB 1981	Ø39	Ø8:49:27	77.1	62513.3	-22.3	29.7	1.6	1Ø5.1
1276	NSSD37	12	3ØØ	176	Ø796	8 FEB 1981	Ø39	14:17:58	8Ø.Ø	64825.2	-9.Ø	25.8	1.7	1Ø5.4
1277	NSSD37	13	227	157	Ø796	8 FEB 1981	Ø39	19:3Ø:17	84.2	46684.9	7.4	21.4	1.7	1Ø5.8
1278	NSSD37	14	217	2Ø3	Ø796	9 FEB 1981	Ø4Ø	Ø4:42:35	76.4	45781.5	-36.1	34.7	1.7	1Ø6.4
128Ø	NSSD38	1	299	173	Ø797	9 FEB 1981	Ø4Ø	14:13:17	81.5	64949.5	-9.2	25.9	1.7	1Ø7.Ø
1281	NSSD38	2	227	154	Ø797	9 FEB 1981	Ø4Ø	19:28:42	85.6	47Ø32.6	7.1	21.5	1.8	1Ø7.3
1285	NSSD38	3	228	151	Ø798	1Ø FEB 1981	Ø41	19:26:29	87.1	47336.2	6.9	21.6	1.8	1Ø8.9
1297	NSSD38	4	232	143	Ø8Ø1	13 FEB 1981	Ø44	19:2Ø:1Ø	91.6	48239.Ø	6.2	21.8	2.1	113.7
1299	NSSD38	5	286	172	Ø8Ø1	14 FEB 1981	Ø45	Ø8:24:25	85.7	61172.9	-23.8	3Ø.2	2.1	114.5
13ØØ	NSSD38	6	3Ø4	16Ø	Ø8Ø2	14 FEB 1981	Ø45	13:49:59	89.Ø	65544.3	-1Ø.4	26.3	2.1	114.9
13Ø4	NSSD38	7	3Ø5	157	Ø8Ø3	15 FEB 1981	Ø46	13:44:18	9Ø.5	65649.8	-1Ø.7	26.3	2.2	116.5
13Ø9	NSSD38	8	232	132	Ø8Ø4	16 FEB 1981	Ø47	19:13:17	96.2	492Ø3.8	5.4	22.Ø	2.3	118.4
1313	NSSD38	9	238	132	Ø8Ø5	17 FEB 1981	Ø48	19:11:Ø4	97.7	49487.6	5.2	22.1	2.4	12Ø.Ø
1314	NSSD38	1Ø	281	158	Ø8Ø5	18 FEB 1981	Ø49	Ø8:Ø8:15	91.3	6Ø2Ø4.3	-24.8	3Ø.5	2.4	12Ø.8
1323	NSSD38	11	241	123	Ø8Ø8	2Ø FEB 1981	Ø51	19:Ø3:Ø8	1Ø2.2	5Ø466.1	4.5	22.3	2.5	124.7
1327	NSSD38	12	24Ø	12Ø	Ø8Ø9	21 FEB 1981	Ø52	19:ØØ:33	1Ø3.7	5Ø823.7	4.2	22.3	2.6	126.3
133Ø	NSSD38	13	243	118	Ø81Ø	22 FEB 1981	Ø53	18:58:37	1Ø5.2	51Ø88.8	4.Ø	22.4	2.7	127.9
1338	NSSD38	14	239	111	Ø812	24 FEB 1981	Ø55	19:16:46	1Ø8.6	49728.1	5.Ø	22.1	2.8	131.Ø
1342	NSSD39	1	24Ø	1Ø9	Ø813	25 FEB 1981	Ø56	19:14:56	11Ø.1	5ØØØ4.4	4.8	22.1	2.8	132.6
1347	NSSD39	2	215	141	Ø814	27 FEB 1981	Ø58	Ø5:27:17	1ØØ.6	48137.Ø	-34.4	34.Ø	2.9	134.9
135Ø	NSSD39	3	231	99	Ø815	27 FEB 1981	Ø58	19:23:54	113.4	49412.6	5.2	22.Ø	2.9	135.8
1351	NSSD39	4	219	141	Ø815	28 FEB 1981	Ø59	Ø5:25:Ø4	1Ø1.8	47838.2	-34.6	34.1	2.9	136.5
1353	NSSD39	5	3Ø2	117	Ø816	28 FEB 1981	Ø59	14:22:35	111.1	65222.3	-9.8	26.1	3.Ø	137.1
1354	NSSD39	6	238	99	Ø816	28 FEB 1981	Ø59	19:22:Ø4	114.9	49598.6	5.1	22.Ø	3.Ø	137.4
1355	NSSD39	7	211	135	Ø816	1 MAR 1981	Ø6Ø	Ø5:23:1Ø	1Ø3.Ø	475Ø2.6	-34.9	34.3	3.Ø	138.Ø
1356	NSSD39	8	284	126	Ø816	1 MAR 1981	Ø6Ø	Ø8:5Ø:4Ø	1Ø7.8	61537.1	-23.5	3Ø.1	3.Ø	138.3
1357	NSSD39	9	3Ø5	116	Ø817	1 MAR 1981	Ø6Ø	14:18:46	112.6	65325.5	-1Ø.1	26.2	3.Ø	138.6
136Ø	NSSD39	1Ø	281	122	Ø817	2 MAR 1981	Ø61	Ø8:47:1Ø	1Ø9.2	61365.4	-23.6	3Ø.2	3.Ø	139.8
1368	NSSD39	11	275	115	Ø819	4 MAR 1981	Ø63	Ø8:39:51	111.9	6Ø881.8	-24.1	3Ø.4	3.1	143.Ø
1376	NSSD39	12	27Ø	1Ø9	Ø821	6 MAR 1981	Ø65	Ø8:33:1Ø	114.6	6Ø476.4	-24.5	3Ø.5	3.2	146.2
138Ø	NSSD39	13	275	1Ø9	Ø822	7 MAR 1981	Ø66	Ø8:3Ø:45	115.9	6Ø267.6	-24.7	3Ø.6	3.2	147.7
1381	NSSD39	14	294	96	Ø823	7 MAR 1981	Ø66	14:33:22	122.1	65148.3	-9.7	26.1	3.2	148.1
1382	NSSD4Ø	1	234	81	Ø823	7 MAR 1981	Ø66	19:31:48	125.9	49552.4	5.1	22.Ø	3.2	148.5

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1398	NSSD4Ø	2	288	97	Ø827	12 MAR 1981	Ø71	Ø9:19:31	124.1	62171.4	-22.8	3Ø.Ø	3.3	155.7
14Ø2	NSSD4Ø	3	279	93	Ø828	13 MAR 1981	Ø72	Ø9:16:28	125.4	61982.Ø	-23.Ø	3Ø.1	3.4	157.3
1411	NSSD4Ø	4	221	83	Ø892	15 MAY 1981	135	21:Ø2:43	122.6	48875.6	6.6	21.6	-Ø.2	-1Ø1.2
1414	NSSD4Ø	5	222	86	Ø893	16 MAY 1981	136	21:Ø5:27	121.Ø	48589.6	6.8	21.6	-Ø.3	-99.6
142Ø	NSSD4Ø	6	217	89	Ø895	18 MAY 1981	138	21:1Ø:2Ø	117.7	48Ø6.1	7.2	21.5	-Ø.4	-96.4
1427	NSSD4Ø	7	254	95	Ø897	2Ø MAY 1981	14Ø	16:29:38	118.6	642ØØ.Ø	-7.6	25.5	-Ø.6	-93.5
1433	NSSD4Ø	8	191	1Ø5	Ø898	22 MAY 1981	142	Ø6:45:15	117.7	463Ø2.5	-35.3	34.4	-Ø.8	-9Ø.9
1434	NSSD4Ø	9	243	1ØØ	Ø898	22 MAY 1981	142	1Ø:36:2Ø	117.6	61896.9	-22.3	29.8	-Ø.8	-9Ø.6
1435	NSSD4Ø	1Ø	259	1Ø1	Ø899	22 MAY 1981	142	16:Ø3:Ø5	115.6	64828.3	-8.7	25.8	-Ø.8	-9Ø.3
1438	NSSD4Ø	11	249	1Ø5	Ø899	23 MAY 1981	143	1Ø:4Ø:23	116.1	62Ø52.9	-22.1	29.7	-Ø.9	-89.Ø
1439	NSSD4Ø	12	258	1Ø4	Ø9ØØ	23 MAY 1981	143	16:Ø7:3Ø	114.Ø	64743.6	-8.5	25.8	-Ø.9	-88.6
144Ø	NSSD4Ø	13	2Ø5	1Ø1	Ø9ØØ	23 MAY 1981	143	2Ø:59:27	11Ø.Ø	49Ø45.7	6.4	21.7	-Ø.9	-88.3
1444	NSSD4Ø	14	2Ø6	1Ø4	Ø9Ø1	24 MAY 1981	144	21:Ø2:38	1Ø8.4	48761.3	6.7	21.7	-1.Ø	-86.7
1448	NSSD41	1	2Ø6	1Ø8	Ø9Ø2	25 MAY 1981	145	21:Ø5:55	1Ø6.7	48473.7	6.9	21.7	-1.1	-85.1
145Ø	NSSD41	2	2Ø7	1ØØ	Ø9Ø2	26 MAY 1981	146	1Ø:53:52	111.5	62582.5	-21.5	29.5	-1.1	-84.1
1451	NSSD41	3	223	1Ø1	Ø9Ø3	26 MAY 1981	146	16:56:41	1Ø8.7	63385.2	-6.4	25.2	-1.2	-83.7
146Ø	NSSD41	4	217	118	Ø9Ø5	28 MAY 1981	148	2Ø:46:28	1Ø2.3	5Ø1Ø2.1	5.6	22.Ø	-1.4	-8Ø.2
1461	NSSD41	5	128	91	Ø9Ø5	29 MAY 1981	149	Ø6:39:53	1Ø8.5	45818.3	-35.7	34.5	-1.4	-79.6
1462	NSSD41	6	247	121	Ø9Ø5	29 MAY 1981	149	Ø9:23:56	1Ø7.5	58442.6	-25.7	3Ø.9	-1.4	-79.4
1464	NSSD41	7	222	121	Ø9Ø6	29 MAY 1981	149	2Ø:26:18	1Ø1.1	51744.8	4.3	22.4	-1.4	-78.6
1467	NSSD41	8	213	119	Ø9Ø7	3Ø MAY 1981	15Ø	2Ø:29:4Ø	99.4	51517.6	4.5	22.3	-1.5	-77.Ø
147Ø	NSSD41	9	222	128	Ø9Ø8	31 MAY 1981	151	2Ø:32:56	97.8	5123Ø.5	4.7	22.3	-1.6	-75.4
1474	NSSD41	1Ø	215	127	Ø9Ø9	1 JUN 1981	152	2Ø:35:53	96.1	5Ø998.2	4.9	22.2	-1.7	-73.8
148Ø	NSSD41	11	247	137	Ø91Ø	3 JUN 1981	154	Ø9:13:29	1ØØ.2	57923.4	-26.2	31.Ø	-1.8	-71.3
1483	NSSD41	12	22Ø	137	Ø911	3 JUN 1981	154	2Ø:42:Ø5	92.8	5Ø347.4	5.4	22.1	-1.9	-7Ø.5
1488	NSSD41	13	249	144	Ø912	5 JUN 1981	156	Ø9:2Ø:Ø1	97.2	58347.9	-25.8	3Ø.9	-2.Ø	-68.Ø
1496	NSSD41	14	246	151	Ø914	7 JUN 1981	158	Ø8:58:19	94.4	571Ø4.4	-26.9	31.3	-2.1	-64.8
1497	NSSD42	1	28Ø	153	Ø915	7 JUN 1981	158	14:43:12	9Ø.7	65961.7	-11.9	26.7	-2.2	-64.4
1498	NSSD42	2	221	149	Ø915	7 JUN 1981	158	2Ø:28:31	86.6	51435.3	4.5	22.4	-2.2	-64.1
15Ø6	NSSD42	3	218	152	Ø917	9 JUN 1981	16Ø	2Ø:34:Ø4	83.3	5Ø883.1	4.9	22.3	-2.3	-6Ø.8
1512	NSSD42	4	252	166	Ø918	11 JUN 1981	162	Ø9:13:1Ø	88.3	58Ø26.4	-26.2	31.Ø	-2.4	-58.3
1513	NSSD42	5	262	158	Ø919	11 JUN 1981	162	15:Ø2:12	84.1	65779.Ø	-11.1	26.5	-2.4	-57.9
1517	NSSD42	6	276	168	Ø92Ø	12 JUN 1981	163	15:Ø6:5Ø	82.4	65725.8	-11.Ø	26.5	-2.5	-56.3
1518	NSSD42	7	218	164	Ø92Ø	12 JUN 1981	163	2Ø:42:48	78.3	5Ø166.6	5.5	22.1	-2.5	-55.9
1519	NSSD42	8	129	121	Ø92Ø	13 JUN 1981	164	Ø6:36:Ø4	88.3	45892.2	-35.7	34.5	-2.5	-55.2
152Ø	NSSD42	9	251	17Ø	Ø92Ø	13 JUN 1981	164	Ø9:2Ø:5Ø	85.2	58465.8	-25.8	3Ø.9	-2.6	-55.1
1521	NSSD42	1Ø	275	17Ø	Ø921	13 JUN 1981	164	15:11:56	8Ø.8	65659.6	-1Ø.8	26.4	-2.6	-54.7
1522	NSSD42	11	217	167	Ø921	13 JUN 1981	164	2Ø:45:36	76.7	49862.Ø	5.7	22.Ø	-2.6	-54.3
1524	NSSD42	12	254	175	Ø921	14 JUN 1981	165	Ø9:24:18	83.7	58719.Ø	-25.6	3Ø.8	-2.6	-53.4
1529	NSSD42	13	264	168	Ø923	15 JUN 1981	166	15:2Ø:44	77.5	65531.7	-1Ø.4	26.3	-2.7	-51.4
1534	NSSD42	14	211	172	Ø924	16 JUN 1981	167	2Ø:43:Ø5	71.9	49981.4	5.6	22.1	-2.8	-49.4
1537	NSSD43	1	278	18Ø	Ø925	17 JUN 1981	168	14:46:Ø1	74.7	65911.7	-11.7	26.7	-2.8	-48.2
1538	NSSD43	2	221	18Ø	Ø925	17 JUN 1981	168	2Ø:31:51	7Ø.4	5Ø965.8	4.8	22.3	-2.8	-47.8
1544	NSSD43	3	247	185	Ø926	19 JUN 1981	17Ø	Ø9:Ø6:51	76.6	57752.7	-26.4	31.1	-2.9	-45.3
1545	NSSD43	4	276	187	Ø927	19 JUN 1981	17Ø	14:55:24	71.3	65823.9	-11.4	26.6	-2.9	-44.9
1548	NSSD43	5	234	176	Ø927	2Ø JUN 1981	171	Ø9:1Ø:14	75.1	57977.2	-26.2	31.1	-2.9	-43.7
1552	NSSD43	6	242	186	Ø928	21 JUN 1981	172	Ø9:13:14	73.5	58157.8	-26.1	31.Ø	-3.Ø	-42.1
1553	NSSD43	7	272	189	Ø929	21 JUN 1981	172	15:Ø3:Ø1	68.Ø	65728.Ø	-11.1	26.5	-3.Ø	-41.7
1554	NSSD43	8	217	192	Ø929	21 JUN 1981	172	2Ø:41:21	63.9	5ØØ65.9	5.5	22.1	-3.Ø	-41.3
156Ø	NSSD43	9	278	198	Ø931	23 JUN 1981	174	14:34:35	65.2	65982.7	-12.2	26.9	-3.1	-38.5
1565	NSSD43	1Ø	25Ø	2Ø5	Ø932	25 JUN 1981	176	Ø9:Ø6:41	67.8	578Ø3.1	-26.4	31.2	-3.2	-35.6
1566	NSSD43	11	275	2Ø2	Ø933	25 JUN 1981	176	14:41:38	61.9	65928.3	-11.9	26.8	-3.2	-35.2
1572	NSSD43	12	242	2Ø5	Ø934	27 JUN 1981	178	Ø9:Ø1:38	65.1	575Ø7.7	-26.6	31.3	-3.2	-32.3
1578	NSSD43	13	212	2Ø1	Ø936	28 JUN 1981	179	2Ø:32:34	52.7	5Ø675.3	5.Ø	22.1	-3.3	-29.9
1586	NSSD43	14	221	2Ø9	Ø938	3Ø JUN 1981	181	2Ø:1Ø:45	49.7	52465.8	3.6	22.5	-3.3	-26.7

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1589	NSSD44	1	278	219	Ø939	1 JUL 1981	182	14:22:32	52.7	66Ø19.4	-12.7	27.Ø	-3.3	-25.5
159Ø	NSSD44	2	224	215	Ø939	1 JUL 1981	182	2Ø:12:11	48.Ø	52269.7	3.8	22.5	-3.3	-25.1
1593	NSSD44	3	277	221	Ø94Ø	2 JUL 1981	183	14:24:51	51.1	66ØØ6.3	-12.6	27.Ø	-3.3	-23.8
1594	NSSD44	4	223	216	Ø94Ø	2 JUL 1981	183	2Ø:13:33	46.4	52183.3	3.9	22.4	-3.3	-23.4
1595	NSSD44	5	232	217	Ø94Ø	3 JUL 1981	184	Ø8:46:27	57.Ø	56625.7	-27.4	31.6	-3.4	-22.6
1598	NSSD44	6	226	221	Ø941	3 JUL 1981	184	2Ø:15:13	44.8	52Ø12.8	4.Ø	22.4	-3.4	-21.8
16ØØ	NSSD44	7	241	227	Ø941	4 JUL 1981	185	Ø8:49:ØØ	55.5	5682Ø.7	-27.2	31.6	-3.4	-21.Ø
16Ø1	NSSD44	8	276	225	Ø942	4 JUL 1981	185	14:3Ø:47	47.8	65965.2	-12.3	26.9	-3.4	-2Ø.6
16Ø2	NSSD44	9	224	221	Ø942	4 JUL 1981	185	2Ø:17:Ø9	43.1	5184Ø.9	4.1	22.3	-3.4	-2Ø.2
16Ø4	NSSD44	1Ø	242	228	Ø942	5 JUL 1981	186	Ø8:51:41	54.Ø	56948.5	-27.1	31.5	-3.4	-19.3
16Ø5	NSSD44	11	278	229	Ø943	5 JUL 1981	186	14:33:47	46.2	65941.7	-12.2	26.8	-3.4	-19.Ø
16Ø6	NSSD44	12	217	216	Ø943	5 JUL 1981	186	2Ø:18:42	41.5	5175Ø.Ø	4.2	22.3	-3.4	-18.6
16Ø8	NSSD44	13	232	223	Ø943	6 JUL 1981	187	Ø8:53:55	52.6	57Ø75.6	-27.Ø	31.5	-3.4	-17.7
16Ø9	NSSD44	14	278	231	Ø944	6 JUL 1981	187	14:36:48	44.5	65918.6	-12.Ø	26.8	-3.4	-17.3
161Ø	NSSD45	1	216	221	Ø944	6 JUL 1981	187	2Ø:2Ø:37	39.9	51575.2	4.4	22.2	-3.4	-16.9
1612	NSSD45	2	234	227	Ø944	7 JUL 1981	188	Ø8:56:5Ø	51.1	57243.4	-26.9	31.5	-3.4	-16.1
1613	NSSD45	3	28Ø	234	Ø945	7 JUL 1981	188	14:39:49	42.9	65891.2	-11.9	26.8	-3.4	-15.7
1614	NSSD45	4	223	226	Ø945	7 JUL 1981	188	2Ø:22:Ø2	38.3	51428.5	4.5	22.2	-3.4	-15.3
1616	NSSD45	5	24Ø	234	Ø945	8 JUL 1981	189	Ø8:58:38	49.7	57388.1	-26.7	31.4	-3.4	-14.5
1617	NSSD45	6	275	232	Ø946	8 JUL 1981	189	14:41:55	41.3	6587Ø.6	-11.8	26.7	-3.4	-14.1
1618	NSSD45	7	216	223	Ø946	8 JUL 1981	189	2Ø:23:12	36.7	513Ø9.9	4.6	22.2	-3.4	-13.7
162Ø	NSSD45	8	244	238	Ø946	9 JUL 1981	19Ø	Ø9:ØØ:31	48.2	5751Ø.5	-26.6	31.4	-3.4	-12.8
1621	NSSD45	9	271	23Ø	Ø947	9 JUL 1981	19Ø	14:43:59	39.7	65849.2	-11.7	26.7	-3.4	-12.5
1622	NSSD45	1Ø	22Ø	228	Ø947	9 JUL 1981	19Ø	2Ø:24:14	35.1	51219.6	4.6	22.1	-3.4	-12.1
1624	NSSD45	11	243	239	Ø947	1Ø JUL 1981	191	Ø9:Ø2:24	46.8	57611.Ø	-26.5	31.4	-3.4	-11.2
1625	NSSD45	12	278	237	Ø948	1Ø JUL 1981	191	14:46:17	38.Ø	65817.4	-11.6	26.7	-3.4	-1Ø.8
1626	NSSD45	13	22Ø	23Ø	Ø948	1Ø JUL 1981	191	2Ø:25:36	33.5	51128.9	4.7	22.1	-3.4	-1Ø.4
1628	NSSD45	14	244	243	Ø948	11 JUL 1981	192	Ø9:Ø4:39	45.4	57731.3	-26.4	31.3	-3.4	-9.6
1629	NSSD46	1	277	239	Ø949	11 JUL 1981	192	14:48:25	36.4	65797.Ø	-11.5	26.7	-3.4	-9.2
163Ø	NSSD46	2	218	23Ø	Ø949	11 JUL 1981	192	2Ø:26:29	31.9	51Ø37.8	4.8	22.1	-3.4	-8.8
1632	NSSD46	3	239	241	Ø949	12 JUL 1981	193	Ø9:Ø5:47	44.1	57789.1	-26.3	31.3	-3.4	-8.Ø
1638	NSSD46	4	218	232	Ø951	13 JUL 1981	194	2Ø:27:37	28.8	5Ø942.5	4.9	22.Ø	-3.4	-5.6
164Ø	NSSD46	5	24Ø	245	Ø951	14 JUL 1981	195	Ø9:Ø8:17	41.4	57944.4	-26.2	31.3	-3.4	-4.7
1641	NSSD46	6	276	242	Ø952	14 JUL 1981	195	14:52:18	31.7	65743.1	-11.3	26.6	-3.3	-4.3
1642	NSSD46	7	218	235	Ø952	14 JUL 1981	195	2Ø:28:26	27.2	5Ø88Ø.Ø	5.Ø	22.Ø	-3.3	-4.Ø
1645	NSSD46	8	274	243	Ø953	15 JUL 1981	196	14:54:1Ø	3Ø.1	6572Ø.3	-11.2	26.6	-3.3	-2.7
1646	NSSD46	9	2Ø7	232	Ø953	15 JUL 1981	196	2Ø:52:41	25.8	48767.5	6.6	21.5	-3.3	-2.3
1647	NSSD46	1Ø	187	249	Ø953	16 JUL 1981	197	Ø6:23:26	47.5	44917.4	-36.4	35.3	-3.3	-1.7
1648	NSSD46	11	261	248	Ø953	16 JUL 1981	197	1Ø:45:2Ø	35.3	62511.4	-21.6	29.7	-3.3	-1.4
1649	NSSD46	12	271	243	Ø954	16 JUL 1981	197	16:Ø6:54	27.Ø	64466.3	-8.2	25.7	-3.3	-1.Ø
165Ø	NSSD46	13	21Ø	236	Ø954	16 JUL 1981	197	2Ø:53:26	24.3	48667.1	6.7	21.5	-3.3	-Ø.7
1651	NSSD46	14	177	25Ø	Ø954	17 JUL 1981	198	Ø6:13:17	47.2	43844.9	-37.3	35.7	-3.3	-Ø.1
1653	NSSD47	1	269	242	Ø955	17 JUL 1981	198	16:Ø8:Ø2	25.4	64418.5	-8.1	25.7	-3.3	Ø.6
1659	NSSD47	2	271	246	Ø957	19 JUL 1981	2ØØ	16:1Ø:21	22.2	64358.4	-8.Ø	25.6	-3.2	3.8
166Ø	NSSD47	3	211	238	Ø957	19 JUL 1981	2ØØ	2Ø:54:57	19.9	48623.3	6.8	21.4	-3.2	4.2
1661	NSSD47	4	183	26Ø	Ø957	2Ø JUL 1981	2Ø1	Ø6:15:55	44.2	44Ø2Ø.2	-37.1	35.7	-3.2	4.8
1662	NSSD47	5	255	25Ø	Ø957	2Ø JUL 1981	2Ø1	1Ø:5Ø:31	3Ø.Ø	62661.1	-21.3	29.7	-3.2	5.1
1663	NSSD47	6	267	243	Ø958	2Ø JUL 1981	2Ø1	16:11:Ø2	2Ø.6	64336.6	-8.Ø	25.6	-3.2	5.5
1664	NSSD47	7	21Ø	238	Ø958	2Ø JUL 1981	2Ø1	2Ø:55:Ø9	18.6	48523.5	6.9	21.4	-3.2	5.8
1666	NSSD47	8	254	248	Ø958	21 JUL 1981	2Ø2	1Ø:51:24	28.7	62694.7	-21.3	29.7	-3.2	6.7
1668	NSSD47	9	21Ø	239	Ø959	21 JUL 1981	2Ø2	2Ø:55:33	17.2	48519.5	6.9	21.4	-3.2	7.4
167Ø	NSSD47	1Ø	247	243	Ø959	22 JUL 1981	2Ø3	11:4Ø:19	25.7	642Ø9.3	-19.1	29.Ø	-3.1	8.4
1672	NSSD47	11	198	242	Ø96Ø	22 JUL 1981	2Ø3	21:31:2Ø	17.2	45Ø11.8	9.7	2Ø.6	-3.1	9.1
1673	NSSD47	12	158	238	Ø96Ø	23 JUL 1981	2Ø4	Ø6:34:17	4Ø.1	45958.7	-35.6	35.Ø	-3.1	9.7
1674	NSSD47	13	25Ø	253	Ø96Ø	23 JUL 1981	2Ø4	1Ø:24:Ø8	27.5	61643.6	-22.5	3Ø.1	-3.1	9.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1675	NSSD48	1	268	252	Ø961	23 JUL 1981	2Ø4	15:5Ø:17	16.5	648Ø3.6	-8.8	25.9	-3.1	1Ø.3
1676	NSSD48	2	2Ø7	238	Ø961	23 JUL 1981	2Ø4	2Ø:47:18	14.4	492Ø7.8	6.4	21.5	-3.1	1Ø.6
1677	NSSD48	3	241	255	Ø961	24 JUL 1981	2Ø5	Ø9:33:Ø4	28.7	59258.3	-24.9	3Ø.9	-3.1	11.5
1678	NSSD48	4	275	256	Ø962	24 JUL 1981	2Ø5	15:15:28	16.Ø	65424.1	-1Ø.3	26.3	-3.1	11.9
1679	NSSD48	5	212	245	Ø962	24 JUL 1981	2Ø5	2Ø:47:35	13.2	492Ø4.2	6.4	21.5	-3.Ø	12.2
168Ø	NSSD48	6	245	26Ø	Ø962	25 JUL 1981	2Ø6	Ø9:34:Ø3	27.7	59291.1	-24.8	3Ø.9	-3.Ø	13.1
1682	NSSD48	7	212	245	Ø963	25 JUL 1981	2Ø6	2Ø:47:4Ø	12.1	49231.7	6.4	21.5	-3.Ø	13.9
1683	NSSD48	8	243	26Ø	Ø963	26 JUL 1981	2Ø7	Ø9:34:48	26.8	59287.2	-24.8	3Ø.9	-3.Ø	14.7
1684	NSSD48	9	274	256	Ø964	26 JUL 1981	2Ø7	15:16:34	13.2	654Ø6.Ø	-1Ø.2	26.3	-3.Ø	15.1
1685	NSSD48	1Ø	212	245	Ø964	26 JUL 1981	2Ø7	2Ø:47:42	11.2	49228.Ø	6.4	21.5	-3.Ø	15.5
1686	NSSD48	11	244	26Ø	Ø964	27 JUL 1981	2Ø8	Ø9:35:22	25.9	59338.2	-24.7	3Ø.9	-2.9	16.3
1687	NSSD48	12	265	249	Ø965	27 JUL 1981	2Ø8	15:16:41	11.9	654Ø2.2	-1Ø.2	26.3	-2.9	16.7
1688	NSSD48	13	212	245	Ø965	27 JUL 1981	2Ø8	2Ø:47:28	1Ø.4	49224.5	6.5	21.5	-2.9	17.1
1689	NSSD48	14	238	258	Ø965	28 JUL 1981	2Ø9	Ø9:35:33	25.2	59316.4	-24.7	3Ø.9	-2.9	17.9
1691	NSSD49	1	211	244	Ø966	28 JUL 1981	2Ø9	2Ø:47:1Ø	9.7	49252.2	6.5	21.5	-2.9	18.7
1692	NSSD49	2	242	261	Ø966	29 JUL 1981	21Ø	Ø9:35:42	24.5	59312.8	-24.7	3Ø.9	-2.8	19.5
1693	NSSD49	3	273	256	Ø967	29 JUL 1981	21Ø	15:16:14	9.7	654ØØ.Ø	-1Ø.2	26.3	-2.8	19.9
1694	NSSD49	4	2Ø9	241	Ø967	29 JUL 1981	21Ø	2Ø:46:44	9.3	49342.Ø	6.4	21.5	-2.8	2Ø.3
1695	NSSD49	5	233	25Ø	Ø967	3Ø JUL 1981	211	Ø9:35:47	23.8	593Ø9.3	-24.7	3Ø.9	-2.8	21.2
1696	NSSD49	6	272	254	Ø968	3Ø JUL 1981	211	15:15:56	8.8	65411.6	-1Ø.2	26.3	-2.8	21.5
1697	NSSD49	7	2Ø3	237	Ø968	3Ø JUL 1981	211	2Ø:46:22	9.2	49338.8	6.4	21.5	-2.8	21.9
1698	NSSD49	8	244	263	Ø968	31 JUL 1981	212	Ø9:36:13	23.3	5936Ø.6	-24.7	3Ø.8	-2.7	22.8
1699	NSSD49	9	272	255	Ø969	31 JUL 1981	212	15:16:11	8.Ø	65393.Ø	-1Ø.1	26.2	-2.7	23.2
17ØØ	NSSD49	1Ø	2Ø4	239	Ø969	31 JUL 1981	212	2Ø:46:24	9.4	49335.6	6.4	21.5	-2.7	23.5
17Ø2	NSSD49	11	2Ø9	24Ø	Ø97Ø	1 AUG 1981	213	2Ø:46:Ø5	9.8	49363.6	6.4	21.5	-2.6	25.1
17Ø3	NSSD49	12	183	275	Ø97Ø	2 AUG 1981	214	Ø6:19:53	35.3	443Ø9.5	-36.8	35.6	-2.6	25.8
17Ø4	NSSD49	13	21Ø	243	Ø971	2 AUG 1981	214	2Ø:45:35	1Ø.4	49453.4	6.4	21.5	-2.6	26.7
17Ø5	NSSD49	14	2Ø4	238	Ø972	3 AUG 1981	215	2Ø:45:Ø8	11.2	4945Ø.6	6.4	21.5	-2.5	28.3
17Ø6	NSSD5Ø	1	2Ø7	236	Ø973	4 AUG 1981	216	2Ø:44:23	12.2	49571.2	6.3	21.5	-2.5	3Ø.Ø
17Ø7	NSSD5Ø	2	212	242	Ø974	5 AUG 1981	217	2Ø:43:4Ø	13.2	4966Ø.7	6.3	21.5	-2.4	31.6
17Ø8	NSSD5Ø	3	2Ø6	237	Ø975	6 AUG 1981	218	2Ø:43:Ø9	14.5	49658.3	6.3	21.5	-2.3	33.2
17Ø9	NSSD5Ø	4	2Ø7	238	Ø976	7 AUG 1981	219	2Ø:42:26	15.7	49747.7	6.3	21.6	-2.2	34.8
171Ø	NSSD5Ø	5	2Ø8	237	Ø977	8 AUG 1981	22Ø	2Ø:42:Ø9	17.Ø	49775.8	6.2	21.6	-2.2	36.4
1711	NSSD5Ø	6	21Ø	237	Ø978	9 AUG 1981	221	2Ø:41:37	18.3	49865.1	6.2	21.6	-2.1	38.Ø
1712	NSSD5Ø	7	21Ø	237	Ø979	1Ø AUG 1981	222	2Ø:4Ø:2Ø	19.7	49924.1	6.2	21.6	-2.Ø	39.6
1713	NSSD5Ø	8	212	237	Ø98Ø	11 AUG 1981	223	2Ø:39:Ø9	21.1	5ØØ43.4	6.1	21.6	-1.9	41.2
1715	NSSD5Ø	9	212	236	Ø982	13 AUG 1981	225	2Ø:37:31	24.Ø	5Ø22Ø.6	6.Ø	21.7	-1.8	44.4
1716	NSSD5Ø	1Ø	213	234	Ø983	14 AUG 1981	226	2Ø:36:36	25.4	5Ø3Ø9.1	5.9	21.7	-1.7	46.Ø
1717	NSSD5Ø	11	21Ø	229	Ø984	15 AUG 1981	227	2Ø:35:26	26.9	5Ø397.2	5.9	21.7	-1.6	47.6
1718	NSSD5Ø	12	212	231	Ø985	16 AUG 1981	228	2Ø:34:Ø8	28.4	5Ø455.6	5.9	21.7	-1.5	49.2
172Ø	NSSD5Ø	13	212	225	Ø988	19 AUG 1981	231	2Ø:3Ø:11	32.8	5Ø836.Ø	5.6	21.8	-1.3	53.9
1721	NSSD5Ø	14	215	227	Ø989	2Ø AUG 1981	232	2Ø:28:52	34.3	51Ø13.Ø	5.5	21.9	-1.2	55.5
1722	NSSD51	1	21Ø	22Ø	Ø99Ø	21 AUG 1981	233	2Ø:27:24	35.8	51Ø71.5	5.5	21.9	-1.1	57.1
1723	NSSD51	2	214	223	Ø991	22 AUG 1981	234	2Ø:25:59	37.3	51244.2	5.3	21.9	-1.Ø	58.7
1724	NSSD51	3	2Ø6	21Ø	Ø992	23 AUG 1981	235	2Ø:24:21	38.8	5133Ø.1	5.3	22.Ø	-Ø.9	6Ø.3
1725	NSSD51	4	213	216	Ø993	24 AUG 1981	236	2Ø:22:56	4Ø.3	515Ø1.1	5.2	22.Ø	-Ø.8	61.9
1727	NSSD51	5	197	2Ø8	Ø995	26 AUG 1981	238	21:Ø2:49	44.6	48Ø34.4	7.9	21.3	-Ø.6	65.1
1728	NSSD51	6	2ØØ	2Ø8	Ø996	27 AUG 1981	239	21:Ø8:33	46.3	47476.9	8.4	21.2	-Ø.6	66.7
1729	NSSD51	7	2Ø1	2Ø9	Ø997	28 AUG 1981	24Ø	21:Ø6:48	47.8	47642.4	8.3	21.2	-Ø.5	68.3
173Ø	NSSD51	8	2Ø2	2Ø7	Ø998	29 AUG 1981	241	21:Ø4:57	49.2	478Ø7.2	8.1	21.3	-Ø.4	69.9
1731	NSSD51	9	2Ø3	2Ø6	Ø999	3Ø AUG 1981	242	21:Ø3:13	5Ø.7	479Ø5.8	8.1	21.3	-Ø.3	71.5
1732	NSSD51	1Ø	2Ø5	2Ø4	1ØØØ	31 AUG 1981	243	21:Ø1:34	52.2	4818Ø1.5	7.9	21.3	-Ø.2	73.1
1733	NSSD51	11	2Ø5	2Ø2	1ØØ1	1 SEP 1981	244	2Ø:59:39	53.7	48263.8	7.8	21.4	-Ø.1	74.7
1734	NSSD51	12	2Ø4	199	1ØØ2	2 SEP 1981	245	2Ø:57:53	55.2	48428.7	7.7	21.4	Ø.Ø	76.2
1735	NSSD51	13	2Ø6	197	1ØØ3	3 SEP 1981	246	2Ø:55:55	56.7	48622.Ø	7.5	21.5	Ø.1	77.8

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1736	NSSD51	14	196	185	1004	4 SEP 1981	247	20:53:50	58.2	48781.5	7.4	21.5	0.2	79.4
1737	NSSD52	1	201	185	1005	5 SEP 1981	248	20:51:47	59.7	48940.0	7.3	21.6	0.3	81.0
1738	NSSD52	2	210	192	1006	6 SEP 1981	249	20:50:01	61.2	49035.1	7.2	21.6	0.4	82.6
1739	NSSD52	3	208	186	1007	7 SEP 1981	250	20:48:07	62.7	49223.4	7.1	21.7	0.5	84.2
1740	NSSD52	4	212	188	1008	8 SEP 1981	251	20:46:19	64.2	49348.5	7.0	21.7	0.6	85.8
1741	NSSD52	5	212	184	1009	9 SEP 1981	252	20:43:59	65.7	49626.7	6.8	21.8	0.7	87.3
1742	NSSD52	6	209	179	1010	10 SEP 1981	253	20:41:24	67.2	49780.5	6.6	21.8	0.8	88.9
1743	NSSD52	7	213	179	1011	11 SEP 1981	254	20:38:50	68.7	50024.0	6.4	21.9	0.8	90.5
1744	NSSD52	8	214	178	1012	12 SEP 1981	255	20:36:15	70.2	50178.6	6.3	21.9	0.9	92.1
1745	NSSD52	9	216	174	1013	13 SEP 1981	256	20:33:57	71.7	50389.4	6.2	22.0	1.0	93.7
1746	NSSD52	10	211	169	1014	14 SEP 1981	257	20:31:40	73.2	50568.2	6.0	22.0	1.1	95.2
1747	NSSD52	11	213	167	1015	15 SEP 1981	258	20:29:21	74.7	50716.4	5.9	22.1	1.2	96.8
1748	NSSD52	12	216	165	1016	16 SEP 1981	259	20:27:09	76.2	50863.6	5.8	22.1	1.3	98.4
1749	NSSD52	13	214	161	1017	17 SEP 1981	260	20:24:55	77.7	51096.9	5.6	22.2	1.4	100.0
1751	NSSD52	14	234	161	1019	19 SEP 1981	262	19:30:42	80.0	55086.7	2.3	23.0	1.5	103.1
1753	NSSD53	1	231	153	1021	21 SEP 1981	264	19:25:27	83.1	55421.1	2.1	23.1	1.7	106.2
1754	NSSD53	2	234	151	1022	22 SEP 1981	265	19:22:08	84.6	55586.0	1.9	23.2	1.8	107.8
1755	NSSD53	3	235	149	1023	23 SEP 1981	266	19:19:33	86.1	55795.6	1.7	23.2	1.9	109.4
1756	NSSD53	4	234	145	1024	24 SEP 1981	267	19:17:14	87.7	55888.2	1.6	23.2	1.9	111.0
1757	NSSD53	5	214	139	1025	25 SEP 1981	268	20:27:46	90.3	50664.1	5.9	22.1	2.0	112.6
1758	NSSD53	6	208	133	1026	26 SEP 1981	269	20:39:19	92.1	49612.6	6.7	21.9	2.1	114.2
1759	NSSD53	7	207	131	1027	27 SEP 1981	270	20:37:25	93.6	49796.1	6.6	21.9	2.2	115.8
1760	NSSD53	8	211	129	1028	28 SEP 1981	271	20:35:34	95.1	49947.9	6.4	22.0	2.2	117.4
1761	NSSD53	9	212	127	1029	29 SEP 1981	272	20:33:42	96.6	50068.6	6.3	22.0	2.3	119.0
1762	NSSD53	10	212	124	1030	30 SEP 1981	273	20:31:57	98.2	50248.6	6.2	22.0	2.4	120.5
1763	NSSD53	11	210	165	1030	1 OCT 1981	274	06:54:34	89.3	48232.6	-33.6	33.7	2.4	121.2
1764	NSSD53	12	264	140	1030	1 OCT 1981	274	13:12:53	94.5	65776.1	-14.7	27.6	2.4	121.6
1765	NSSD53	13	209	119	1031	1 OCT 1981	274	20:30:11	99.7	50308.0	6.1	22.1	2.4	122.1
1766	NSSD53	14	208	161	1031	2 OCT 1981	275	06:52:56	90.6	48070.2	-33.8	33.7	2.5	122.8
1768	NSSD54	1	213	118	1032	2 OCT 1981	275	20:28:41	101.3	50456.3	6.0	22.1	2.5	123.7
1769	NSSD54	2	202	153	1032	3 OCT 1981	276	06:51:38	91.9	48037.3	-33.8	33.8	2.5	124.4
1770	NSSD54	3	273	138	1032	3 OCT 1981	276	13:08:14	97.5	65749.5	-14.9	27.7	2.5	124.8
1771	NSSD54	4	212	114	1033	3 OCT 1981	276	20:27:12	102.8	50485.5	6.0	22.1	2.6	125.3
1772	NSSD54	5	209	156	1033	4 OCT 1981	277	06:50:13	93.2	47939.0	-33.9	33.8	2.6	126.0
1773	NSSD54	6	271	135	1033	4 OCT 1981	277	13:05:56	99.1	65721.4	-15.0	27.7	2.6	126.4
1774	NSSD54	7	215	112	1034	4 OCT 1981	277	20:25:40	104.3	50662.1	5.8	22.1	2.6	126.9
1775	NSSD54	8	208	152	1034	5 OCT 1981	278	06:48:48	94.5	47774.6	-34.0	33.9	2.7	127.5
1776	NSSD54	9	266	129	1034	5 OCT 1981	278	13:03:27	100.6	65707.7	-15.1	27.7	2.7	127.9
1777	NSSD54	10	215	110	1035	5 OCT 1981	278	20:23:51	105.9	50807.9	5.7	22.2	2.7	128.4
1778	NSSD54	11	209	150	1035	6 OCT 1981	279	06:47:12	95.8	47708.0	-34.1	33.9	2.7	129.1
1779	NSSD54	12	270	128	1035	6 OCT 1981	279	13:00:47	102.1	65679.9	-15.2	27.8	2.7	129.5
1780	NSSD54	13	215	107	1036	6 OCT 1981	279	20:22:14	107.4	50865.3	5.6	22.2	2.7	130.0
1781	NSSD54	14	205	144	1036	7 OCT 1981	280	06:45:29	97.1	47542.0	-34.2	34.0	2.8	130.7
1782	NSSD55	1	262	122	1036	7 OCT 1981	280	12:57:35	103.6	65650.6	-15.3	27.8	2.8	131.1
1783	NSSD55	2	216	104	1037	7 OCT 1981	280	20:19:41	109.0	51096.7	5.5	22.2	2.8	131.6
1784	NSSD55	3	191	134	1037	8 OCT 1981	281	06:42:56	98.4	47275.0	-34.4	34.0	2.8	132.3
1786	NSSD55	4	215	101	1038	8 OCT 1981	281	20:17:23	110.5	51239.6	5.3	22.2	2.8	133.2
1787	NSSD55	5	197	134	1038	9 OCT 1981	282	06:41:10	99.7	47206.9	-34.5	34.1	2.9	133.9
1788	NSSD55	6	254	112	1038	9 OCT 1981	282	12:50:47	106.6	65579.1	-15.6	27.9	2.9	134.3
1789	NSSD55	7	218	99	1039	9 OCT 1981	282	20:15:41	112.1	51353.0	5.3	22.3	2.9	134.7
1790	NSSD55	8	197	132	1039	10 OCT 1981	283	06:40:06	101.0	47105.0	-34.5	34.1	2.9	135.4
1791	NSSD55	9	252	109	1039	10 OCT 1981	283	12:50:00	108.1	65577.7	-15.6	27.9	2.9	135.8
1792	NSSD55	10	216	96	1040	10 OCT 1981	283	20:15:57	113.6	51351.5	5.3	22.3	2.9	136.3
1793	NSSD55	11	206	135	1040	11 OCT 1981	284	06:40:44	102.3	47137.1	-34.5	34.1	3.0	137.0
1794	NSSD55	12	273	115	1040	11 OCT 1981	284	12:50:23	109.6	65580.0	-15.6	27.9	3.0	137.4

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1795	NSSD55	13	217	94	1041	11 OCT 1981	284	20:15:18	115.2	51321.3	5.3	22.3	3.0	137.9
1798	NSSD55	14	216	91	1042	12 OCT 1981	285	20:14:00	116.8	51376.7	5.2	22.3	3.0	139.5
1799	NSSD56	1	205	129	1042	13 OCT 1981	286	06:38:21	104.9	46999.1	-34.6	34.2	3.1	140.2
1800	NSSD56	2	268	109	1042	13 OCT 1981	286	12:46:22	112.6	65530.7	-15.7	27.9	3.1	140.6
1801	NSSD56	3	216	88	1043	13 OCT 1981	286	20:12:28	118.3	51545.7	5.1	22.3	3.1	141.1
1802	NSSD56	4	217	121	1043	14 OCT 1981	287	07:19:43	107.5	50683.8	-31.8	33.1	3.1	141.8
1803	NSSD56	5	200	121	1044	15 OCT 1981	288	06:36:19	107.4	46827.5	-34.8	34.3	3.1	143.3
1804	NSSD56	6	270	104	1044	15 OCT 1981	288	12:43:12	115.6	65496.3	-15.8	28.0	3.1	143.7
1805	NSSD56	7	219	84	1045	15 OCT 1981	288	20:10:28	121.4	51679.3	5.0	22.3	3.1	144.2
1806	NSSD56	8	200	119	1045	16 OCT 1981	289	06:35:26	108.7	46757.5	-34.8	34.3	3.2	144.9
1808	NSSD56	9	214	79	1046	16 OCT 1981	289	20:09:25	123.0	51733.3	4.9	22.3	3.2	145.8
1809	NSSD56	10	201	117	1046	17 OCT 1981	290	06:34:30	109.9	46653.1	-34.9	34.4	3.2	146.5
1810	NSSD56	11	269	99	1046	17 OCT 1981	290	12:40:09	118.6	65455.3	-16.0	28.0	3.2	146.9
1811	NSSD56	12	218	78	1047	17 OCT 1981	290	20:08:18	124.5	51787.2	4.9	22.3	3.2	147.4
1812	NSSD56	13	199	113	1047	18 OCT 1981	291	06:33:32	111.2	46582.5	-35.0	34.4	3.2	148.1
1813	NSSD56	14	266	95	1047	18 OCT 1981	291	12:38:32	120.1	65434.1	-16.0	28.0	3.2	148.5
1814	NSSD57	1	217	76	1048	18 OCT 1981	291	20:07:10	126.1	51840.7	4.8	22.3	3.2	149.0
1815	NSSD57	2	196	110	1048	19 OCT 1981	292	06:32:37	112.4	46511.6	-35.0	34.4	3.3	149.7
1817	NSSD57	3	218	74	1049	19 OCT 1981	292	20:06:16	127.7	51922.0	4.8	22.3	3.3	150.6
1818	NSSD57	4	195	108	1049	20 OCT 1981	293	06:31:57	113.6	46440.4	-35.1	34.5	3.3	151.3
1820	NSSD57	5	217	71	1050	20 OCT 1981	293	20:05:20	129.2	51974.9	4.7	22.3	3.3	152.2
1821	NSSD57	6	195	105	1050	21 OCT 1981	294	06:31:12	114.9	46437.7	-35.1	34.5	3.3	152.8
1822	NSSD57	7	269	89	1050	21 OCT 1981	294	12:34:41	124.6	65372.3	-16.2	28.1	3.3	153.2
1823	NSSD57	8	219	70	1051	21 OCT 1981	294	20:04:33	130.8	52055.4	4.7	22.3	3.3	153.7
1824	NSSD57	9	192	101	1051	22 OCT 1981	295	06:30:38	116.1	46331.8	-35.1	34.5	3.3	154.4
1825	NSSD57	10	266	86	1051	22 OCT 1981	295	12:33:40	126.1	65354.3	-16.2	28.1	3.3	154.8
1826	NSSD57	11	215	66	1052	22 OCT 1981	295	20:03:45	132.3	52135.5	4.6	22.3	3.3	155.3
1827	NSSD57	12	196	101	1052	23 OCT 1981	296	06:29:58	117.3	46259.9	-35.2	34.6	3.3	156.0
1829	NSSD57	13	217	65	1053	23 OCT 1981	296	20:02:52	133.9	52160.1	4.6	22.3	3.3	156.9
1830	NSSD57	14	195	99	1053	24 OCT 1981	297	06:29:16	118.6	46257.1	-35.2	34.6	3.4	157.6
1831	NSSD58	1	262	81	1053	24 OCT 1981	297	12:31:12	129.1	65327.5	-16.3	28.1	3.4	158.0
1832	NSSD58	2	212	62	1054	24 OCT 1981	297	20:01:52	135.5	52236.7	4.5	22.3	3.4	158.5
1833	NSSD58	3	193	96	1054	25 OCT 1981	298	06:28:31	119.7	46151.1	-35.3	34.6	3.4	159.2
1834	NSSD58	4	264	80	1054	25 OCT 1981	298	12:29:59	130.6	65293.1	-16.3	28.1	3.4	159.6
1835	NSSD58	5	216	62	1055	25 OCT 1981	298	20:01:06	137.0	52232.6	4.6	22.3	3.4	160.1
1836	NSSD58	6	191	94	1055	26 OCT 1981	299	06:28:00	120.9	46147.9	-35.3	34.7	3.4	160.8
1837	NSSD58	7	215	59	1056	26 OCT 1981	299	20:00:18	138.6	52311.6	4.5	22.3	3.4	161.7
1838	NSSD58	8	185	88	1056	27 OCT 1981	300	06:27:23	122.1	46075.3	-35.3	34.7	3.4	162.3
1839	NSSD58	9	260	75	1056	27 OCT 1981	300	12:27:59	133.5	65259.4	-16.4	28.2	3.4	162.7
1840	NSSD58	10	212	57	1057	27 OCT 1981	300	19:59:39	140.2	52362.9	4.5	22.3	3.4	163.2
1841	NSSD58	11	182	86	1057	28 OCT 1981	301	06:26:59	123.3	45967.6	-35.4	34.7	3.4	163.9
1842	NSSD58	12	254	71	1057	28 OCT 1981	301	12:27:10	135.0	65255.7	-16.4	28.2	3.4	164.3
1843	NSSD58	13	211	55	1058	28 OCT 1981	301	19:58:59	141.7	52441.2	4.4	22.4	3.4	164.8
1844	NSSD58	14	186	86	1058	29 OCT 1981	302	06:26:30	124.4	45964.2	-35.4	34.8	3.4	165.5
1845	NSSD59	1	258	71	1058	29 OCT 1981	302	12:26:15	136.5	65235.7	-16.4	28.2	3.4	165.9
1846	NSSD59	2	211	53	1059	29 OCT 1981	302	19:58:18	143.3	52437.6	4.4	22.3	3.4	166.4
1847	NSSD59	3	183	84	1059	30 OCT 1981	303	06:26:05	125.6	45960.8	-35.4	34.8	3.4	167.1
1848	NSSD59	4	250	67	1059	30 OCT 1981	303	12:25:38	138.0	65220.9	-16.5	28.2	3.4	167.5
1849	NSSD59	5	211	52	1060	30 OCT 1981	303	19:57:58	144.8	52515.5	4.4	22.3	3.4	168.0
1850	NSSD59	6	181	81	1060	31 OCT 1981	304	06:25:57	126.7	45887.5	-35.4	34.8	3.4	168.7
1851	NSSD59	7	244	64	1060	31 OCT 1981	304	12:25:15	139.4	65217.1	-16.5	28.2	3.4	169.1
1853	NSSD59	8	247	63	1061	1 NOV 1981	305	12:24:33	140.9	65196.6	-16.5	28.2	3.4	170.7
1854	NSSD59	9	208	49	1062	1 NOV 1981	305	19:56:57	147.9	52589.4	4.3	22.3	3.4	171.2
1855	NSSD59	10	177	77	1062	2 NOV 1981	306	06:25:17	129.0	45880.3	-35.4	34.9	3.4	171.9
1857	NSSD59	11	183	43	1063	2 NOV 1981	306	19:56:21	149.5	52585.6	4.3	22.3	3.4	172.8

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1858	NSSD59	12	176	76	1Ø63	3 NOV 1981	3Ø7	Ø6:24:55	13Ø.Ø	45771.9	-35.5	34.9	3.4	173.5
1859	NSSD59	13	243	6Ø	1Ø63	3 NOV 1981	3Ø7	12:23:Ø2	143.8	65171.8	-16.5	28.2	3.4	173.9
1862	NSSD59	14	239	58	1Ø64	4 NOV 1981	3Ø8	12:22:17	145.2	65151.9	-16.6	28.2	3.3	175.4
1864	NSSD6Ø	1	172	68	1Ø65	5 NOV 1981	3Ø9	Ø6:43:32	133.4	47599.7	-34.1	34.3	3.3	176.7
1866	NSSD6Ø	2	166	7Ø	1Ø66	6 NOV 1981	31Ø	Ø6:24:Ø7	133.2	45761.6	-35.5	34.9	3.3	178.2
1867	NSSD6Ø	3	227	54	1Ø66	6 NOV 1981	31Ø	12:21:Ø9	148.Ø	65125.6	-16.6	28.3	3.3	178.6
1869	NSSD6Ø	4	155	65	1Ø67	7 NOV 1981	311	Ø6:23:47	134.2	45652.7	-35.6	35.Ø	3.3	179.8
187Ø	NSSD6Ø	5	212	49	1Ø67	7 NOV 1981	311	12:2Ø:2Ø	149.4	65104.2	-16.6	28.3	3.3	-179.8
1873	NSSD6Ø	6	2ØØ	46	1Ø68	8 NOV 1981	312	12:19:34	15Ø.8	65Ø88.3	-16.6	28.3	3.3	-178.2
1875	NSSD6Ø	7	153	63	1Ø69	9 NOV 1981	313	Ø6:23:13	136.2	45645.2	-35.6	35.Ø	3.2	-177.Ø
1876	NSSD6Ø	8	212	48	1Ø69	9 NOV 1981	313	12:Ø9:Ø2	151.8	64Ø3.5	-17.1	28.4	3.2	-176.6
1878	NSSD6Ø	9	148	61	1Ø7Ø	1Ø NOV 1981	314	Ø6:23:Ø1	137.2	45641.5	-35.6	35.Ø	3.2	-175.4
1879	NSSD6Ø	1Ø	173	4Ø	1Ø7Ø	1Ø NOV 1981	314	12:18:29	153.5	65Ø62.4	-16.7	28.3	3.2	-175.Ø
1881	NSSD6Ø	11	144	6Ø	1Ø71	11 NOV 1981	315	Ø6:22:5Ø	138.Ø	45532.1	-35.6	35.1	3.2	-173.8
1882	NSSD6Ø	12	17Ø	38	1Ø71	11 NOV 1981	315	12:17:53	154.7	65Ø4Ø.3	-16.7	28.3	3.2	-173.4
1884	NSSD6Ø	13	139	58	1Ø72	12 NOV 1981	316	Ø6:22:35	138.9	45528.5	-35.6	35.1	3.2	-172.2
1885	NSSD6Ø	14	162	36	1Ø72	12 NOV 1981	316	12:17:12	156.Ø	65Ø36.4	-16.7	28.3	3.1	-171.8
1887	NSSD61	1	131	55	1Ø73	13 NOV 1981	317	Ø6:22:23	139.7	45525.Ø	-35.6	35.1	3.1	-17Ø.6
1888	NSSD61	2	142	33	1Ø73	13 NOV 1981	317	12:16:37	157.3	65Ø14.3	-16.7	28.3	3.1	-17Ø.2
189Ø	NSSD61	3	137	57	1Ø74	14 NOV 1981	318	Ø6:22:11	14Ø.5	45486.1	-35.6	35.1	3.1	-169.Ø
1891	NSSD61	4	149	33	1Ø74	14 NOV 1981	318	12:16:ØØ	158.5	65ØØ4.4	-16.7	28.3	3.1	-168.6
1893	NSSD61	5	132	38	1Ø75	15 NOV 1981	319	Ø9:4Ø:ØØ	153.1	59889.9	-23.7	3Ø.6	3.Ø	-167.2
1894	NSSD61	6	63	31	1Ø9Ø	3Ø NOV 1981	334	1Ø:Ø2:32	158.7	6Ø81Ø.9	-22.5	3Ø.2	2.2	-143.3
1896	NSSD61	7	78	58	1Ø92	2 DEC 1981	336	Ø7:42:46	151.2	52371.5	-3Ø.Ø	32.8	2.Ø	-14Ø.2
1898	NSSD61	8	121	37	1Ø95	5 DEC 1981	339	1Ø:ØØ:45	154.8	6Ø693.2	-22.5	3Ø.1	1.8	-135.2
1899	NSSD61	9	127	37	1Ø96	6 DEC 1981	34Ø	1Ø:ØØ:35	153.9	6Ø676.3	-22.6	3Ø.1	1.7	-133.6
19Ø1	NSSD61	1Ø	118	5Ø	1Ø98	8 DEC 1981	342	Ø7:41:27	147.4	52255.1	-3Ø.Ø	32.8	1.5	-13Ø.6
19Ø2	NSSD61	11	16Ø	44	1Ø99	9 DEC 1981	343	1Ø:ØØ:ØØ	15Ø.6	6Ø673.6	-22.5	3Ø.1	1.4	-128.8
19Ø3	NSSD61	12	131	51	11ØØ	1Ø DEC 1981	344	Ø7:41:17	145.7	52253.8	-3Ø.Ø	32.7	1.4	-127.4
19Ø4	NSSD61	13	129	47	11Ø1	11 DEC 1981	345	Ø7:41:18	144.7	52253.4	-3Ø.Ø	32.7	1.3	-125.8
19Ø6	NSSD61	14	195	52	11Ø3	13 DEC 1981	347	1Ø:Ø3:Ø5	145.8	6Ø797.1	-22.3	3Ø.Ø	1.1	-122.4
19Ø7	NSSD61	15	2ØØ	54	11Ø4	14 DEC 1981	348	1Ø:Ø6:37	144.5	6Ø92Ø.2	-22.2	3Ø.Ø	1.Ø	-12Ø.8
19Ø8	NSSD61	16	164	57	11Ø5	15 DEC 1981	349	Ø7:43:Ø1	14Ø.6	52360.4	-29.9	32.6	Ø.9	-119.4
19Ø9	NSSD61	17	2Ø9	58	11Ø6	16 DEC 1981	35Ø	1Ø:Ø3:16	141.8	6Ø796.5	-22.3	3Ø.Ø	Ø.8	-117.6
191Ø	NSSD61	18	174	61	11Ø7	17 DEC 1981	351	Ø7:44:Ø8	138.4	52469.1	-29.8	32.6	Ø.7	-116.1
1911	NSSD61	19	181	63	11Ø8	18 DEC 1981	352	Ø7:44:58	137.2	52469.4	-29.8	32.5	Ø.6	-114.5
1912	NSSD61	2Ø	185	66	11Ø9	19 DEC 1981	353	Ø7:45:41	136.Ø	5255Ø.9	-29.7	32.5	Ø.5	-112.9
1913	NSSD61	21	187	67	111Ø	2Ø DEC 1981	354	Ø7:46:12	134.8	52632.Ø	-29.6	32.5	Ø.4	-111.3
1914	NSSD61	22	196	71	1111	21 DEC 1981	355	Ø7:47:11	133.6	52712.9	-29.6	32.4	Ø.3	-1Ø9.7
1915	NSSD61	23	196	72	1112	22 DEC 1981	356	Ø7:48:Ø8	132.3	52793.6	-29.5	32.4	Ø.3	-1Ø8.1
1916	NSSD61	24	194	73	1113	23 DEC 1981	357	Ø7:49:Ø8	131.1	52873.9	-29.4	32.4	Ø.2	-1Ø6.5
1917	NSSD61	25	2Ø2	77	1114	24 DEC 1981	358	Ø7:5Ø:18	129.8	52953.3	-29.4	32.3	Ø.1	-1Ø4.9
1918	NSSD61	26	2Ø4	78	1115	25 DEC 1981	359	Ø7:51:27	128.5	53Ø33.5	-29.3	32.3	Ø.Ø	-1Ø3.2
1919	NSSD61	27	2Ø3	81	1116	26 DEC 1981	36Ø	Ø7:52:51	127.1	53113.3	-29.2	32.2	-Ø.1	-1Ø1.6
1922	NSSD61	28	182	82	1119	29 DEC 1981	363	Ø7:57:1Ø	123.1	535Ø6.6	-28.9	32.1	-Ø.4	-96.8
1925	NSSD61	29	2Ø7	96	1122	1 JAN 1982	ØØ1	Ø7:27:55	118.9	51259.Ø	-3Ø.7	32.7	-Ø.7	-92.Ø
1926	NSSD61	3Ø	2Ø5	96	1123	2 JAN 1982	ØØ2	Ø7:29:34	117.5	5143Ø.2	-3Ø.6	32.6	-Ø.8	-9Ø.4
1927	NSSD61	31	21Ø	1Ø2	1124	3 JAN 1982	ØØ3	Ø7:31:33	116.1	51599.4	-3Ø.5	32.6	-Ø.9	-88.7
1928	NSSD61	32	212	1Ø5	1125	4 JAN 1982	ØØ4	Ø7:33:5Ø	114.7	51768.1	-3Ø.3	32.5	-1.Ø	-87.1
1935	NSSD61	33	224	127	1132	11 JAN 1982	Ø11	Ø7:52:Ø4	1Ø4.7	53362.9	-29.1	32.1	-1.6	-75.8
1936	NSSD61	34	225	13Ø	1133	12 JAN 1982	Ø12	Ø7:55:21	1Ø3.2	53596.1	-28.9	32.Ø	-1.7	-74.1
1937	NSSD61	35	226	133	1134	13 JAN 1982	Ø13	Ø7:58:49	1Ø1.8	53826.4	-28.7	31.9	-1.8	-72.5
1938	NSSD61	36	241	128	1135	14 JAN 1982	Ø14	1Ø:28:35	98.8	62Ø37.8	-2Ø.9	29.4	-1.9	-7Ø.7
194Ø	NSSD61	37	259	135	1137	15 JAN 1982	Ø15	13:51:32	95.3	65775.7	-12.2	27.Ø	-1.9	-68.9
1942	NSSD61	38	217	144	1137	16 JAN 1982	Ø16	Ø7:2Ø:54	97.9	5Ø953.9	-31.Ø	32.7	-2.Ø	-67.7

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1943	NSSD61	39	269	143	1138	16 JAN 1982	Ø16	13:57:45	93.6	65767.7	-11.9	26.9	-2.Ø	-67.3
1945	NSSD61	4Ø	217	147	1138	17 JAN 1982	Ø17	Ø7:24:26	96.4	51298.2	-3Ø.8	32.6	-2.1	-66.1
1946	NSSD61	41	27Ø	147	1139	17 JAN 1982	Ø17	14:Ø3:1Ø	92.Ø	65752.1	-11.7	26.8	-2.1	-65.6
1947	NSSD61	42	2Ø7	143	1139	17 JAN 1982	Ø17	2Ø:35:27	87.2	49Ø9Ø.7	7.9	21.7	-2.1	-65.2
1948	NSSD61	43	22Ø	151	1139	18 JAN 1982	Ø18	Ø7:27:44	94.9	51581.4	-3Ø.6	32.6	-2.2	-64.4
1949	NSSD61	44	27Ø	151	114Ø	18 JAN 1982	Ø18	14:Ø8:48	9Ø.3	65732.Ø	-11.4	26.8	-2.2	-64.Ø
1951	NSSD61	45	221	155	114Ø	19 JAN 1982	Ø19	Ø7:31:47	93.4	51888.9	-3Ø.3	32.5	-2.2	-62.8
1952	NSSD61	46	27Ø	154	1141	19 JAN 1982	Ø19	14:14:44	88.7	657Ø4.Ø	-11.2	26.7	-2.3	-62.4
1953	NSSD61	47	2Ø4	15Ø	1141	19 JAN 1982	Ø19	2Ø:41:54	83.9	48525.3	8.4	21.6	-2.3	-61.9
1954	NSSD61	48	16Ø	128	1141	2Ø JAN 1982	Ø2Ø	Ø7:24:Ø5	92.1	51355.3	-3Ø.7	32.6	-2.3	-61.2
196Ø	NSSD61	49	215	156	1143	21 JAN 1982	Ø21	2Ø:Ø8:19	81.2	51265.1	6.2	22.2	-2.4	-58.7
1961	NSSD61	5Ø	2Ø5	16Ø	1143	22 JAN 1982	Ø22	Ø6:4Ø:55	9Ø.1	47594.6	-33.7	33.7	-2.4	-58.Ø
1962	NSSD61	51	267	16Ø	1143	22 JAN 1982	Ø22	12:15:52	85.2	65Ø22.6	-16.2	28.1	-2.5	-57.6
1963	NSSD61	52	213	159	1144	22 JAN 1982	Ø22	2Ø:12:1Ø	79.6	5Ø92Ø.3	6.4	22.1	-2.5	-57.1
1964	NSSD61	53	2Ø6	163	1144	23 JAN 1982	Ø23	Ø6:44:34	88.6	47985.4	-33.4	33.6	-2.5	-56.4
1965	NSSD61	54	267	163	1144	23 JAN 1982	Ø23	12:22:Ø8	83.5	65135.9	-15.9	28.Ø	-2.5	-56.Ø
1967	NSSD61	55	268	167	1145	24 JAN 1982	Ø24	12:27:29	81.9	65214.4	-15.6	27.9	-2.6	-54.4
1968	NSSD61	56	211	165	1146	24 JAN 1982	Ø24	2Ø:18:47	76.3	5Ø392.9	6.8	22.Ø	-2.6	-53.8
1971	NSSD61	57	211	168	1147	25 JAN 1982	Ø25	2Ø:21:52	74.6	5ØØ94.9	7.1	21.9	-2.7	-52.2
1972	NSSD61	58	2Ø9	173	1147	26 JAN 1982	Ø26	Ø6:53:44	84.2	48843.9	-32.8	33.4	-2.7	-51.5
1973	NSSD61	59	262	169	1147	26 JAN 1982	Ø26	12:38:Ø1	78.6	65368.4	-15.2	27.8	-2.7	-51.1
1974	NSSD61	6Ø	2Ø3	169	1149	27 JAN 1982	Ø27	2Ø:28:11	71.3	49487.9	7.6	21.8	-2.8	-48.9
1976	NSSD61	61	266	178	1149	28 JAN 1982	Ø28	12:48:35	75.3	65485.6	-14.7	27.7	-2.8	-47.8
1977	NSSD61	62	2Ø8	176	115Ø	28 JAN 1982	Ø28	2Ø:3Ø:51	69.7	49271.5	7.7	21.7	-2.8	-47.3
1978	NSSD61	63	212	183	115Ø	29 JAN 1982	Ø29	Ø7:Ø3:13	79.8	49795.6	-32.Ø	33.1	-2.9	-46.6
1979	NSSD61	64	267	182	115Ø	29 JAN 1982	Ø29	12:53:52	73.7	65533.Ø	-14.5	27.6	-2.9	-46.2
198Ø	NSSD61	65	211	178	1151	29 JAN 1982	Ø29	2Ø:12:33	68.3	5Ø798.1	6.5	22.1	-2.9	-45.7
1981	NSSD61	66	215	187	1151	3Ø JAN 1982	Ø3Ø	Ø7:Ø7:Ø3	78.3	5Ø154.8	-31.7	33.1	-2.9	-45.Ø
1982	NSSD61	67	268	185	1151	3Ø JAN 1982	Ø3Ø	13:ØØ:Ø4	72.Ø	65596.Ø	-14.2	27.6	-2.9	-44.6
1983	NSSD61	68	2Ø4	182	1152	3Ø JAN 1982	Ø3Ø	2Ø:37:25	66.4	48612.6	8.2	21.6	-2.9	-44.1
1984	NSSD61	69	211	189	1153	1 FEB 1982	Ø32	Ø7:14:35	75.3	5Ø77Ø.2	-31.3	32.9	-3.Ø	-41.7
1985	NSSD62	1	261	186	1153	1 FEB 1982	Ø32	13:11:3Ø	68.7	65671.3	-13.8	27.4	-3.Ø	-41.3
1986	NSSD62	2	2Ø9	187	1154	1 FEB 1982	Ø32	2Ø:22:21	63.4	499Ø5.8	7.2	21.9	-3.Ø	-4Ø.8
1987	NSSD62	3	217	196	1154	2 FEB 1982	Ø33	Ø7:17:22	73.8	51Ø57.6	-31.Ø	32.8	-3.Ø	-4Ø.1
1988	NSSD62	4	268	194	1154	2 FEB 1982	Ø33	13:16:Ø4	67.Ø	65699.9	-13.5	27.4	-3.1	-39.7
199Ø	NSSD62	5	164	169	1155	3 FEB 1982	Ø34	Ø7:2Ø:42	72.3	51284.7	-3Ø.8	32.8	-3.1	-38.5
1991	NSSD62	6	269	195	1155	3 FEB 1982	Ø34	11:47:26	66.8	6452Ø.4	-17.3	28.4	-3.1	-38.2
1992	NSSD62	7	221	194	1156	3 FEB 1982	Ø34	19:52:27	6Ø.5	523Ø9.3	5.3	22.4	-3.1	-37.6
1993	NSSD62	8	2Ø5	2Ø2	1157	5 FEB 1982	Ø36	Ø6:27:37	71.4	466Ø9.2	-34.6	34.2	-3.2	-35.3
1994	NSSD62	9	269	2Ø1	1157	5 FEB 1982	Ø36	11:54:5Ø	63.5	64663.7	-17.Ø	28.4	-3.2	-34.9
1998	NSSD62	1Ø	186	217	1165	13 FEB 1982	Ø44	Ø6:Ø3:33	62.1	44334.2	-36.3	35.1	-3.4	-22.3
1999	NSSD62	11	191	226	1167	15 FEB 1982	Ø46	Ø6:Ø5:59	59.5	44547.7	-36.2	35.Ø	-3.4	-19.Ø
2ØØØ	NSSD62	12	192	232	1169	17 FEB 1982	Ø48	Ø6:Ø8:34	56.9	4483Ø.1	-36.Ø	35.Ø	-3.4	-15.8
2ØØ1	NSSD62	13	188	231	1171	19 FEB 1982	Ø5Ø	Ø6:1Ø:11	54.4	45Ø74.Ø	-35.8	34.9	-3.4	-12.5
2ØØ2	NSSD62	14	192	241	1173	21 FEB 1982	Ø52	Ø6:12:19	51.9	4528Ø.3	-35.6	34.9	-3.4	-9.3
2ØØ3	NSSD62	15	187	241	1175	23 FEB 1982	Ø54	Ø6:14:3Ø	49.5	45449.6	-35.4	34.9	-3.4	-6.1
2ØØ4	NSSD62	16	178	231	1177	25 FEB 1982	Ø56	Ø6:15:56	47.3	45548.9	-35.3	34.8	-3.3	-2.8
2ØØ5	NSSD62	17	186	247	1179	27 FEB 1982	Ø58	Ø6:17:26	45.Ø	45751.4	-35.1	34.8	-3.3	Ø.4
2ØØ6	NSSD62	18	187	251	1181	1 MAR 1982	Ø6Ø	Ø6:18:27	42.9	45848.5	-35.Ø	34.8	-3.2	3.7
2ØØ7	NSSD62	19	178	248	1182	2 MAR 1982	Ø61	Ø6:Ø8:1Ø	42.8	44784.9	-35.9	35.1	-3.2	5.3
2Ø1Ø	NSSD62	2Ø	184	254	1185	5 MAR 1982	Ø64	Ø6:Ø7:Ø5	4Ø.2	44666.5	-35.9	35.2	-3.1	1Ø.1
2Ø11	NSSD62	21	186	26Ø	1186	6 MAR 1982	Ø65	Ø6:Ø7:13	39.4	44663.1	-35.9	35.2	-3.1	11.7
2Ø12	NSSD62	22	188	264	1187	7 MAR 1982	Ø66	Ø6:Ø7:12	38.6	44659.8	-35.9	35.2	-3.Ø	13.3
2Ø13	NSSD62	23	188	266	1188	8 MAR 1982	Ø67	Ø6:Ø7:23	37.9	4462Ø.4	-35.9	35.2	-3.Ø	15.Ø
2Ø14	NSSD62	24	187	266	1189	9 MAR 1982	Ø68	Ø6:Ø7:3Ø	37.2	44617.5	-35.9	35.2	-2.9	16.6

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
2Ø15	NSSD62	25	187	267	119Ø	1Ø MAR 1982	Ø69	Ø6:Ø7:47	36.6	44615.2	-35.9	35.2	-2.9	18.2
2Ø16	NSSD62	26	184	266	1191	11 MAR 1982	Ø7Ø	Ø6:Ø7:5Ø	36.Ø	44612.3	-35.9	35.2	-2.8	19.8
2Ø18	NSSD62	27	236	152	1251	1Ø MAY 1982	13Ø	Ø9:16:59	86.5	59125.2	-23.5	3Ø.3	2.2	115.5
2Ø2Ø	NSSD62	28	244	154	1252	11 MAY 1982	131	Ø9:15:56	88.Ø	59Ø89.1	-23.5	3Ø.3	2.2	117.1
2Ø22	NSSD62	29	241	149	1253	12 MAY 1982	132	Ø9:14:57	89.4	59Ø52.7	-23.6	3Ø.3	2.3	118.7
2Ø24	NSSD62	3Ø	24Ø	142	1254	13 MAY 1982	133	Ø9:45:16	91.3	6Ø559.5	-22.Ø	29.8	2.4	12Ø.3
2Ø25	NSSD62	31	259	143	1255	14 MAY 1982	134	1Ø:58:47	93.7	63285.4	-18.6	28.8	2.4	122.Ø
2Ø26	NSSD62	32	248	134	1256	15 MAY 1982	135	1Ø:57:Ø9	95.2	63264.3	-18.7	28.9	2.5	123.5
2Ø27	NSSD62	33	26Ø	138	1257	16 MAY 1982	136	1Ø:55:31	96.7	63221.2	-18.7	28.9	2.6	125.1
2Ø29	NSSD62	34	252	132	1258	17 MAY 1982	137	1Ø:41:Ø8	98.1	62774.2	-19.4	29.1	2.6	126.7
2Ø31	NSSD62	35	256	132	1259	18 MAY 1982	138	1Ø:38:13	99.5	62679.4	-19.5	29.1	2.7	128.3
2Ø32	NSSD62	36	254	129	126Ø	19 MAY 1982	139	1Ø:36:3Ø	1Ø1.Ø	6263Ø.8	-19.6	29.1	2.7	129.8
2Ø34	NSSD62	37	257	127	1261	2Ø MAY 1982	14Ø	1Ø:34:41	1Ø2.5	62557.6	-19.7	29.2	2.8	131.4
2Ø36	NSSD62	38	255	123	1262	21 MAY 1982	141	1Ø:32:52	1Ø3.9	62495.5	-19.8	29.2	2.8	133.Ø
2Ø37	NSSD62	39	19Ø	137	1263	22 MAY 1982	142	Ø6:Ø1:Ø6	99.6	44731.9	-35.7	34.6	2.9	134.3
2Ø39	NSSD62	4Ø	258	117	1264	23 MAY 1982	143	11:Ø1:Ø2	1Ø7.4	63431.7	-18.4	28.8	2.9	136.2
2Ø41	NSSD62	41	255	115	1265	24 MAY 1982	144	1Ø:26:2Ø	1Ø8.4	623Ø5.Ø	-2Ø.Ø	29.3	3.Ø	137.7
2Ø42	NSSD62	42	16Ø	118	1266	25 MAY 1982	145	Ø5:57:18	1Ø3.3	444Ø2.8	-36.Ø	34.7	3.Ø	139.Ø
2Ø43	NSSD62	43	248	111	1266	25 MAY 1982	145	1Ø:24:26	1Ø9.8	6224Ø.5	-2Ø.1	29.3	3.Ø	139.3
2Ø44	NSSD62	44	255	11Ø	1267	26 MAY 1982	146	1Ø:22:Ø5	111.3	62175.2	-2Ø.2	29.3	3.1	14Ø.9
2Ø48	NSSD62	45	251	1Ø4	1269	28 MAY 1982	148	1Ø:16:39	114.1	61962.3	-2Ø.4	29.4	3.1	144.1
2Ø5Ø	NSSD62	46	246	99	127Ø	29 MAY 1982	149	1Ø:13:37	115.6	61853.2	-2Ø.6	29.5	3.2	145.6
2Ø52	NSSD62	47	251	1ØØ	1271	3Ø MAY 1982	15Ø	1Ø:1Ø:58	117.Ø	61742.5	-2Ø.7	29.5	3.2	147.2
2Ø54	NSSD62	48	249	96	1272	31 MAY 1982	151	1Ø:Ø8:22	118.4	61671.4	-2Ø.8	29.6	3.2	148.8
2Ø56	NSSD62	49	245	92	1273	1 JUN 1982	152	1Ø:Ø6:29	119.8	61585.8	-2Ø.9	29.6	3.3	15Ø.4
2Ø57	NSSD62	5Ø	247	91	1274	2 JUN 1982	153	1Ø:Ø4:17	121.3	61527.1	-21.Ø	29.6	3.3	152.Ø
2Ø59	NSSD62	51	246	89	1275	3 JUN 1982	154	1Ø:Ø2:11	122.7	61439.7	-21.1	29.7	3.3	153.5
2Ø61	NSSD62	52	242	85	1276	4 JUN 1982	155	Ø9:59:56	124.1	613Ø8.1	-21.2	29.7	3.3	155.1
2Ø63	NSSD62	53	244	84	1277	5 JUN 1982	156	Ø9:57:59	125.5	61247.5	-21.3	29.7	3.3	156.7
2Ø64	NSSD62	54	235	8Ø	1278	6 JUN 1982	157	Ø9:56:22	126.9	612Ø1.2	-21.3	29.8	3.4	158.3
2Ø69	NSSD62	55	236	75	1281	9 JUN 1982	16Ø	Ø9:5Ø:24	131.1	6Ø954.1	-21.6	29.9	3.4	163.Ø
2Ø71	NSSD62	56	234	73	1282	1Ø JUN 1982	161	Ø9:48:41	132.4	6Ø86Ø.2	-21.7	29.9	3.4	164.6
2Ø73	NSSD63	1	234	71	1283	11 JUN 1982	162	Ø9:46:59	133.8	6Ø765.3	-21.8	29.9	3.4	166.2
2Ø75	NSSD63	2	231	69	1284	12 JUN 1982	163	Ø9:45:17	135.2	6Ø731.Ø	-21.8	3Ø.Ø	3.4	167.8
2Ø79	NSSD63	3	224	64	1286	14 JUN 1982	165	Ø9:42:19	137.8	6Ø6ØØ.2	-21.9	3Ø.Ø	3.4	171.Ø
2Ø81	NSSD63	4	214	6Ø	1287	15 JUN 1982	166	Ø9:41:Ø2	139.2	6Ø55Ø.4	-22.Ø	3Ø.Ø	3.4	172.6
2Ø82	NSSD63	5	215	59	1288	16 JUN 1982	167	Ø9:39:47	14Ø.5	6Ø452.9	-22.1	3Ø.1	3.4	174.2
2Ø86	NSSD63	6	2Ø6	55	129Ø	18 JUN 1982	169	Ø9:36:34	143.Ø	6Ø318.1	-22.2	3Ø.1	3.3	177.3
2Ø88	NSSD63	7	2Ø7	54	1291	19 JUN 1982	17Ø	Ø9:35:23	144.3	6Ø266.2	-22.2	3Ø.1	3.3	178.9
2Ø89	NSSD63	8	197	51	1292	2Ø JUN 1982	171	Ø9:34:14	145.5	6Ø214.Ø	-22.3	3Ø.2	3.3	-179.5
2Ø91	NSSD63	9	189	49	1293	21 JUN 1982	172	Ø9:33:Ø9	146.8	6Ø145.4	-22.3	3Ø.2	3.3	-177.9
2Ø93	NSSD63	1Ø	189	48	1294	22 JUN 1982	173	Ø9:31:58	147.9	6ØØ6Ø.1	-22.4	3Ø.2	3.2	-176.3
2Ø94	NSSD63	11	132	58	1296	24 JUN 1982	175	Ø5:42:Ø7	136.9	42946.9	-37.Ø	35.7	3.2	-173.4
2Ø96	NSSD63	12	142	36	1297	25 JUN 1982	176	Ø9:59:Ø5	152.6	61263.2	-21.Ø	29.8	3.1	-171.5
2Ø97	NSSD63	13	116	59	1298	26 JUN 1982	177	Ø5:29:25	137.4	415Ø8.6	-38.2	36.2	3.1	-17Ø.2
2Ø98	NSSD63	14	16Ø	4Ø	1298	26 JUN 1982	177	Ø9:58:29	153.7	61216.5	-21.1	29.8	3.1	-169.9
2Ø99	NSSD63	15	111	58	1299	27 JUN 1982	178	Ø5:29:Ø2	138.2	415Ø5.5	-38.2	36.2	3.1	-168.6
21ØØ	NSSD63	16	13Ø	34	1299	27 JUN 1982	178	Ø9:57:43	154.8	61184.3	-21.1	29.8	3.1	-168.3
21Ø1	NSSD63	17	1Ø6	57	13ØØ	28 JUN 1982	179	Ø5:28:31	138.8	41344.4	-38.3	36.3	3.Ø	-167.Ø
21Ø2	NSSD63	18	132	34	13ØØ	28 JUN 1982	179	Ø9:56:48	155.8	61123.2	-21.1	29.8	3.Ø	-166.7
21Ø3	NSSD63	19	111	57	13Ø1	29 JUN 1982	18Ø	Ø5:28:Ø8	139.5	41341.4	-38.3	36.3	3.Ø	-165.4
21Ø4	NSSD63	2Ø	111	3Ø	13Ø1	29 JUN 1982	18Ø	Ø9:56:Ø3	156.7	61119.8	-21.1	29.8	3.Ø	-165.1
211Ø	NSSD63	21	142	31	1319	16 JUL 1982	197	19:49:Ø5	157.1	51457.9	7.3	21.7	1.9	-137.3
2121	NSSD63	22	188	45	1325	22 JUL 1982	2Ø3	19:53:Ø8	148.1	512Ø1.5	7.6	21.7	1.4	-127.7
2125	NSSD63	23	181	45	1327	24 JUL 1982	2Ø5	19:55:29	145.Ø	51Ø31.4	7.8	21.6	1.2	-124.5

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
2127	NSSD63	24	199	51	1328	25 JUL 1982	206	19:56:36	143.5	50974.5	7.8	21.6	1.1	-122.9
2129	NSSD63	25	200	53	1329	26 JUL 1982	207	19:57:33	141.9	50892.0	7.9	21.6	1.0	-121.3
2134	NSSD63	26	205	61	1333	30 JUL 1982	211	20:02:31	135.6	50462.1	8.3	21.5	0.6	-114.8
2136	NSSD63	27	204	62	1334	31 JUL 1982	212	20:04:17	134.0	50316.9	8.5	21.5	0.6	-113.2
2138	NSSD63	28	205	65	1335	1 AUG 1982	213	20:05:40	132.4	50229.7	8.6	21.5	0.5	-111.6
2143	NSSD63	29	205	71	1338	4 AUG 1982	216	20:10:12	127.6	49788.1	8.9	21.4	0.2	-106.8
2146	NSSD63	30	201	75	1340	6 AUG 1982	218	20:13:37	124.4	49493.6	9.2	21.4	0.0	-103.5
2148	NSSD63	31	203	78	1341	7 AUG 1982	219	20:15:40	122.8	49312.7	9.4	21.4	-0.1	-101.9
2150	NSSD63	32	205	81	1342	8 AUG 1982	220	20:17:23	121.2	49161.2	9.5	21.3	-0.2	-100.3
2152	NSSD63	33	202	82	1343	9 AUG 1982	221	20:19:20	119.6	48947.2	9.7	21.3	-0.3	-98.7
2154	NSSD63	34	221	87	1345	11 AUG 1982	223	19:05:43	118.1	54702.7	4.8	22.6	-0.5	-95.6
2156	NSSD63	35	218	92	1347	13 AUG 1982	225	19:10:50	114.8	54319.1	5.2	22.6	-0.7	-92.3
2158	NSSD63	36	223	97	1348	14 AUG 1982	226	19:13:28	113.2	54100.1	5.4	22.5	-0.8	-90.7
2160	NSSD63	37	222	99	1349	15 AUG 1982	227	19:16:04	111.5	53878.4	5.5	22.5	-0.9	-89.1
2164	NSSD63	38	220	107	1352	18 AUG 1982	230	19:24:42	106.6	53277.7	6.1	22.4	-1.1	-84.2
2166	NSSD63	39	211	110	1354	20 AUG 1982	232	19:29:18	103.3	52864.7	6.4	22.3	-1.3	-81.0
2168	NSSD63	40	218	116	1355	21 AUG 1982	233	19:31:28	101.7	52707.9	6.5	22.3	-1.4	-79.4
2170	NSSD63	41	217	119	1356	22 AUG 1982	234	19:34:23	100.1	52443.3	6.8	22.2	-1.5	-77.7
2173	NSSD63	43	214	128	1359	25 AUG 1982	237	19:42:18	95.1	51767.5	7.3	22.1	-1.7	-74.8
2174	NSSD63	44	219	131	1360	26 AUG 1982	238	19:21:39	93.9	53361.0	6.0	22.4	-1.8	-72.9
2176	NSSD63	45	210	132	1361	27 AUG 1982	239	19:47:16	91.9	51351.8	7.6	22.0	-1.9	-71.3
2178	NSSD63	46	209	135	1362	28 AUG 1982	240	19:49:46	90.2	51155.0	7.8	22.0	-2.0	-69.6
2180	NSSD63	47	210	139	1363	29 AUG 1982	241	19:52:42	88.6	50899.6	8.0	21.9	-2.1	-68.0
2183	NSSD63	48	256	147	1365	31 AUG 1982	243	16:00:10	88.3	63308.0	-4.5	25.1	-2.2	-66.4
2184	NSSD63	49	197	145	1366	1 SEP 1982	244	20:21:45	83.4	48344.8	10.1	21.4	-2.3	-63.4
2185	NSSD63	50	193	146	1367	2 SEP 1982	245	20:24:05	81.7	48058.8	10.3	21.3	-2.4	-61.5
2186	NSSD63	51	195	149	1368	3 SEP 1982	246	20:26:19	80.1	47866.3	10.5	21.3	-2.4	-59.8
2187	NSSD63	52	198	157	1369	4 SEP 1982	247	20:28:41	78.5	47672.5	10.6	21.2	-2.5	-58.2
2192	NSSD63	53	202	169	1374	9 SEP 1982	252	19:51:19	71.0	50751.8	8.1	21.9	-2.8	-48.5
2193	NSSD63	54	213	173	1375	10 SEP 1982	253	19:28:29	69.7	52521.5	6.6	22.3	-2.8	-46.9
2195	NSSD63	55	214	183	1378	13 SEP 1982	256	19:35:24	64.8	51924.0	7.1	22.1	-3.0	-42.0
2196	NSSD63	56	212	185	1379	14 SEP 1982	257	19:37:37	63.2	51782.5	7.2	22.1	-3.0	-40.4
2203	NSSD63	57	211	129	1476	20 DEC 1982	354	19:15:45	92.5	52846.8	7.1	22.3	2.1	115.1
2205	NSSD63	58	211	128	1477	21 DEC 1982	355	19:34:15	94.4	51365.2	8.4	21.9	2.2	116.7
2217	NSSD63	59	197	70	1498	11 JAN 1983	011	19:48:15	127.0	49752.3	9.6	21.5	3.3	149.9
2219	NSSD63	60	200	68	1499	12 JAN 1983	012	19:45:31	128.5	50015.9	9.4	21.6	3.3	151.5
2221	NSSD63	61	201	63	1502	15 JAN 1983	015	19:36:53	133.1	50700.3	8.8	21.7	3.3	156.2
2223	NSSD63	62	203	62	1503	16 JAN 1983	016	19:34:17	134.6	50840.1	8.7	21.7	3.4	157.8
2252	NSSD63	63	144	57	1556	11 MAR 1983	070	06:04:40	137.8	46727.9	-32.6	33.8	0.8	-116.9
2253	NSSD63	64	136	61	1557	12 MAR 1983	071	05:29:46	135.5	43219.3	-35.6	34.9	0.7	-115.3
2255	NSSD63	65	143	63	1558	13 MAR 1983	072	05:29:54	134.4	43220.0	-35.6	34.9	0.6	-113.7
2256	NSSD63	66	217	59	1558	13 MAR 1983	072	10:07:00	139.1	61953.0	-18.2	29.0	0.6	-113.4
2257	NSSD63	67	153	61	1559	14 MAR 1983	073	06:05:22	134.5	46828.2	-32.5	33.7	0.5	-112.1
2259	NSSD63	68	154	68	1561	16 MAR 1983	075	05:30:39	131.2	43370.6	-35.5	34.8	0.3	-108.9
2260	NSSD63	69	234	69	1561	16 MAR 1983	075	10:09:17	134.6	62042.3	-18.1	28.9	0.3	-108.6
2261	NSSD63	70	155	71	1562	17 MAR 1983	076	05:31:00	130.1	43482.3	-35.4	34.7	0.2	-107.3
2262	NSSD63	71	233	70	1562	17 MAR 1983	076	10:10:15	133.1	62080.1	-18.0	28.9	0.2	-107.0
2263	NSSD63	72	172	71	1563	18 MAR 1983	077	06:06:58	129.8	46963.7	-32.4	33.6	0.1	-105.6
2264	NSSD63	73	160	75	1564	19 MAR 1983	078	05:31:58	127.8	43521.2	-35.3	34.7	0.0	-104.0
2265	NSSD63	74	238	75	1564	19 MAR 1983	078	10:12:43	130.1	62155.2	-17.9	28.9	0.0	-103.7
2266	NSSD63	75	161	77	1565	20 MAR 1983	079	05:32:14	126.7	43632.5	-35.2	34.6	-0.1	-102.4
2267	NSSD63	76	240	77	1565	20 MAR 1983	079	10:13:30	128.6	62192.5	-17.9	28.9	-0.1	-102.1
2268	NSSD63	77	179	78	1566	21 MAR 1983	080	06:08:15	126.0	47163.0	-32.2	33.5	-0.2	-100.8
2269	NSSD63	78	167	82	1567	22 MAR 1983	081	05:32:52	124.2	43670.2	-35.2	34.6	-0.3	-99.2

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER DATE	DOY	TIME S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
2271	NSSD63	79	171	85	1568	23 MAR 1983	Ø82	Ø5:33:21	123.Ø	43781.Ø	-35.1	34.5	-Ø.4	-97.6
2272	NSSD63	8Ø	234	81	1568	23 MAR 1983	Ø82	1Ø:16:53	124.Ø	62313.9	-17.7	28.8	-Ø.4	-97.3
2279	NSSD63	81	247	95	1572	27 MAR 1983	Ø86	1Ø:23:2Ø	117.8	62571.1	-17.4	28.7	-Ø.8	-9Ø.8
2285	NSSD63	82	183	1Ø7	1576	31 MAR 1983	Ø9Ø	Ø5:38:45	112.7	44476.Ø	-34.5	34.2	-1.1	-84.7
2286	NSSD63	83	251	1Ø6	1576	31 MAR 1983	Ø9Ø	1Ø:29:37	111.5	62794.7	-17.Ø	28.6	-1.1	-84.3
2287	NSSD63	84	184	111	1577	1 APR 1983	Ø91	Ø5:39:24	111.4	44584.Ø	-34.4	34.1	-1.2	-83.Ø
2288	NSSD63	85	25Ø	1Ø9	1577	1 APR 1983	Ø91	1Ø:31:15	1Ø9.9	62849.Ø	-16.9	28.6	-1.2	-82.7
2289	NSSD63	86	185	114	1578	2 APR 1983	Ø92	Ø5:4Ø:11	11Ø.Ø	44726.7	-34.3	34.1	-1.3	-81.4
229Ø	NSSD63	87	253	113	1578	2 APR 1983	Ø92	1Ø:33:Ø2	1Ø8.3	62923.1	-16.8	28.5	-1.3	-81.1
2291	NSSD63	88	195	112	1579	3 APR 1983	Ø93	Ø6:18:31	1Ø8.5	48356.2	-31.3	33.Ø	-1.4	-79.8
2318	NSSD63	89	238	159	1596	19 APR 1983	1Ø9	16:32:29	77.4	61170.6	-Ø.5	24.3	-2.6	-53.1
2319	NSSD63	9Ø	245	162	1597	2Ø APR 1983	11Ø	15:31:Ø7	76.4	6320Ø.3	-3.4	25.Ø	-2.7	-51.6
2321	NSSD64	1	229	153	1598	21 APR 1983	111	15:32:39	74.8	63166.2	-3.3	25.Ø	-2.7	-49.9
2323	NSSD64	2	236	167	1599	22 APR 1983	112	16:36:52	72.5	6Ø954.Ø	-Ø.2	24.2	-2.8	-48.2
2324	NSSD64	3	239	171	16ØØ	23 APR 1983	113	16:38:Ø8	7Ø.8	6Ø88Ø.Ø	-Ø.1	24.2	-2.9	-46.6
2325	NSSD64	4	246	174	16Ø1	24 APR 1983	114	15:37:11	69.9	63ØØ1.1	-3.1	24.9	-2.9	-45.1
2329	NSSD64	5	243	178	16Ø4	27 APR 1983	117	15:41:51	65.Ø	62861.4	-2.8	24.9	-3.Ø	-4Ø.2
2331	NSSD64	6	236	182	16Ø5	28 APR 1983	118	16:45:18	62.6	6Ø516.7	Ø.3	24.1	-3.1	-38.5
2332	NSSD64	7	238	188	16Ø6	29 APR 1983	119	16:46:3Ø	61.Ø	6Ø454.Ø	Ø.3	24.1	-3.1	-36.8
2333	NSSD64	8	245	188	16Ø7	3Ø APR 1983	12Ø	15:45:45	6Ø.Ø	62705.4	-2.6	24.8	-3.2	-35.3
2335	NSSD64	9	195	198	16Ø8	2 MAY 1983	122	Ø5:58:27	68.3	47193.6	-32.4	33.5	-3.2	-32.7
2337	NSSD64	1Ø	194	21Ø	1613	7 MAY 1983	127	Ø6:Ø2:Ø6	61.4	47634.8	-32.Ø	33.4	-3.3	-24.6
2338	NSSD64	11	191	2ØØ	1614	7 MAY 1983	127	19:39:15	46.9	49414.8	1Ø.7	21.3	-3.3	-23.7
2339	NSSD64	12	195	215	1615	9 MAY 1983	129	Ø6:Ø3:Ø5	58.7	47725.2	-31.9	33.4	-3.4	-21.3
234Ø	NSSD64	13	2ØØ	228	1622	16 MAY 1983	136	Ø6:25:51	48.5	497Ø3.4	-3Ø.2	32.9	-3.4	-9.9
2342	NSSD64	14	184	239	1629	23 MAY 1983	143	Ø5:46:42	42.7	462Ø8.5	-33.1	34.1	-3.3	1.4
2343	NSSD64	15	199	228	1634	27 MAY 1983	147	19:28:45	18.3	5Ø199.Ø	1Ø.3	21.2	-3.1	8.8
2344	NSSD64	16	196	23Ø	1638	31 MAY 1983	151	19:47:Ø3	15.7	48573.6	11.7	2Ø.8	-3.Ø	15.2
2345	NSSD64	17	199	227	1639	1 JUN 1983	152	19:25:45	13.8	5Ø444.2	1Ø.1	21.2	-2.9	16.8
2347	NSSD64	18	18Ø	248	1643	6 JUN 1983	157	Ø5:47:16	31.7	462Ø5.7	-32.9	34.1	-2.7	24.Ø
2348	NSSD64	19	23Ø	223	1645	8 JUN 1983	159	12:Ø6:Ø7	9.4	64811.7	-12.Ø	27.3	-2.5	27.6
2351	NSSD64	2Ø	179	25Ø	1649	12 JUN 1983	163	Ø5:44:22	3Ø.8	45857.8	-33.1	34.2	-2.3	33.6
2352	NSSD64	21	17Ø	249	1655	18 JUN 1983	169	Ø5:23:15	33.9	4373Ø5.8	-34.8	34.8	-1.8	43.2
2354	NSSD64	22	182	225	1665	28 JUN 1983	179	Ø6:11:47	38.7	48321.6	-3Ø.8	33.2	-1.Ø	59.2
2355	NSSD64	23	181	223	1672	5 JUL 1983	186	Ø5:46:41	47.2	46Ø57.6	-32.7	33.7	-Ø.3	7Ø.3
2356	NSSD64	24	153	152	1681	13 JUL 1983	194	2Ø:Ø9:46	64.2	46555.9	14.1	2Ø.5	Ø.5	84.Ø
2357	NSSD64	25	167	161	1684	16 JUL 1983	197	2Ø:23:12	69.1	45131.7	15.3	2Ø.2	Ø.7	88.7
2362	NSSD64	26	2Ø5	142	1696	28 JUL 1983	2Ø9	19:17:37	85.8	5Ø771.9	1Ø.4	21.6	1.8	1Ø7.6
2363	NSSD64	27	199	129	1699	31 JUL 1983	212	19:1Ø:47	9Ø.3	51249.1	1Ø.Ø	21.7	2.Ø	112.4
2365	NSSD64	28	2Ø4	12Ø	17Ø1	2 AUG 1983	214	14:35:Ø4	9Ø.Ø	64162.9	-4.7	25.4	2.1	115.2
2366	NSSD64	29	2Ø4	12Ø	17Ø1	2 AUG 1983	214	19:15:17	93.5	5Ø8Ø2.2	1Ø.3	21.6	2.2	115.5
2367	NSSD64	3Ø	191	1Ø9	17Ø2	3 AUG 1983	215	15:21:41	92.1	63Ø93.4	-2.6	24.9	2.2	116.9
237Ø	NSSD64	32	2Ø1	1Ø7	17Ø4	5 AUG 1983	217	14:48:37	94.9	63886.7	-4.1	25.3	2.4	117.1
2371	NSSD64	33	195	1Ø9	17Ø4	5 AUG 1983	217	19:14:38	98.1	5Ø829.9	1Ø.3	21.6	2.4	12Ø.Ø
2376	NSSD64	34	18Ø	92	17Ø8	9 AUG 1983	221	19:13:44	1Ø4.2	5Ø824.2	1Ø.3	21.6	2.6	12Ø.3
238Ø	NSSD64	35	211	84	1715	16 AUG 1983	228	15:19:18	112.6	63Ø22.6	-2.6	24.9	3.Ø	126.6
2381	NSSD64	36	217	84	1716	17 AUG 1983	229	14:46:26	113.8	63843.3	-4.1	25.3	3.Ø	137.4
2382	NSSD64	37	195	85	1716	17 AUG 1983	229	19:31:39	116.7	49152.6	11.7	21.2	3.Ø	139.Ø
2385	NSSD64	38	195	73	1721	22 AUG 1983	234	19:14:27	124.2	5Ø432.2	1Ø.6	21.5	3.2	139.3
2388	NSSD64	39	242	77	1724	25 AUG 1983	237	15:42:51	127.1	62251.6	-1.4	24.6	3.3	147.2
239Ø	NSSD64	4Ø	244	73	1726	27 AUG 1983	239	15:32:Ø8	13Ø.2	6255Ø.Ø	-1.9	24.7	3.3	151.7
2391	NSSD64	41	241	7Ø	1727	28 AUG 1983	24Ø	15:26:57	131.7	62729.4	-2.1	24.8	3.3	154.9
2392	NSSD64	42	221	6Ø	1729	3Ø AUG 1983	242	15:16:Ø1	134.8	62998.5	-2.6	24.9	3.4	156.4
2393	NSSD64	43	176	51	1729	3Ø AUG 1983	242	19:29:29	136.3	49Ø28.8	11.8	21.1	3.4	159.6
													3.4	159.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
2395	NSSD64	44	205	53	1731	1 SEP 1983	244	15:48:04	138.3	61981.6	-1.0	24.4	3.4	162.8
2400	NSSD64	45	237	52	1737	7 SEP 1983	250	15:13:47	147.5	63040.5	-2.6	24.9	3.4	172.3
2401	NSSD64	46	158	39	1737	7 SEP 1983	250	19:27:31	147.9	49121.9	11.8	21.0	3.4	172.6
2405	NSSD64	47	140	34	1740	10 SEP 1983	253	19:46:40	151.6	47399.1	13.3	20.5	3.3	177.4
2410	NSSD64	48	92	25	1745	15 SEP 1983	258	19:39:18	157.9	48018.4	12.9	20.6	3.2	-174.7
2411	NSSD64	49	136	62	1791	31 OCT 1983	304	19:40:04	120.7	47841.1	13.7	20.6	-0.2	-101.0
2412	NSSD64	50	134	66	1793	2 NOV 1983	306	20:25:18	116.1	43456.0	17.6	19.6	-0.4	-97.7
2413	NSSD64	51	83	43	1795	4 NOV 1983	308	19:37:14	114.7	48034.7	13.6	20.7	-0.5	-94.6
2414	NSSD64	52	145	74	1796	5 NOV 1983	309	19:36:41	113.2	48098.5	13.5	20.8	-0.6	-92.9
2415	NSSD64	53	144	76	1797	6 NOV 1983	310	19:36:08	111.6	48068.5	13.6	20.8	-0.7	-91.3
2416	NSSD64	54	144	78	1798	7 NOV 1983	311	19:35:37	110.1	48132.2	13.5	20.8	-0.8	-89.7
2417	NSSD64	55	127	81	1800	9 NOV 1983	313	20:21:53	105.7	43688.2	17.4	19.8	-1.0	-86.4
2418	NSSD64	56	116	71	1801	10 NOV 1983	314	19:34:13	105.5	48171.0	13.5	20.8	-1.1	-84.9
2419	NSSD64	57	144	88	1803	12 NOV 1983	316	19:32:59	102.5	48328.4	13.3	20.9	-1.3	-81.6
2420	NSSD64	58	158	96	1804	13 NOV 1983	317	19:32:11	100.9	48298.4	13.3	20.9	-1.4	-80.0
2421	NSSD64	59	145	93	1805	14 NOV 1983	318	19:31:49	99.4	48361.2	13.3	20.9	-1.5	-78.4
2422	NSSD64	60	177	122	1807	16 NOV 1983	320	20:19:01	95.2	43694.3	17.3	19.8	-1.6	-75.1
2423	NSSD64	61	151	102	1808	17 NOV 1983	321	19:31:41	94.7	48270.3	13.3	20.9	-1.7	-73.5
2424	NSSD64	62	150	106	1810	19 NOV 1983	323	19:31:14	91.6	48240.2	13.4	20.9	-1.9	-70.3

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0005	NSSD01	1	255	129	0004	8 DEC 1978	342	20:10:05	112.9	51435.4	-35.8	34.1	-1.1	-85.5
0009	NSSD01	2	188	160	0006	10 DEC 1978	344	17:48:42	110.2	34092.8	-48.8	40.8	-1.2	-82.4
0010	NSSD01	3	282	133	0006	10 DEC 1978	344	21:58:47	109.9	58139.1	-30.8	32.1	-1.3	-82.1
0011	NSSD01	4	312	129	0007	11 DEC 1978	345	03:37:19	108.0	66806.6	-17.0	27.5	-1.3	-81.7
0012	NSSD01	5	173	120	0007	11 DEC 1978	345	12:17:20	100.3	33494.0	13.0	19.2	-1.3	-81.1
0014	NSSD01	6	285	141	0008	12 DEC 1978	346	22:18:24	107.1	58418.0	-30.6	32.0	-1.4	-78.8
0015	NSSD01	7	309	134	0009	13 DEC 1978	347	04:01:05	104.8	66739.6	-16.7	27.4	-1.5	-78.5
0016	NSSD01	8	172	128	0009	13 DEC 1978	347	12:36:43	97.1	32936.4	13.5	19.1	-1.5	-77.9
0020	NSSD01	9	167	130	0010	14 DEC 1978	348	12:49:57	95.4	32421.9	14.0	19.0	-1.6	-76.2
0021	NSSD01	10	192	174	0010	14 DEC 1978	348	18:31:13	105.8	35594.3	-47.5	39.9	-1.6	-75.9
0022	NSSD01	11	283	146	0010	14 DEC 1978	348	22:47:01	104.1	59147.8	-30.0	31.8	-1.6	-75.6
0026	NSSD01	12	285	149	0011	15 DEC 1978	349	23:05:42	102.6	59618.5	-29.7	31.7	-1.7	-73.9
0036	NSSD01	13	319	210	0030	4 JAN 1979	004	06:02:31	70.9	66865.4	-19.2	28.2	-3.0	-42.6
0038	NSSD01	14	314	214	0032	6 JAN 1979	006	06:16:13	67.8	66823.2	-19.0	28.2	-3.1	-39.3
0039	NSSD02	1	318	219	0033	7 JAN 1979	007	06:22:06	66.2	66824.5	-19.0	28.2	-3.1	-37.7
0041	NSSD02	2	317	224	0035	9 JAN 1979	009	06:32:48	63.1	66817.3	-19.0	28.2	-3.2	-34.4
0042	NSSD02	3	197	272	0040	13 JAN 1979	013	22:10:29	72.1	35957.1	-47.2	40.2	-3.3	-26.9
0056	NSSD02	4	166	209	0043	16 JAN 1979	016	16:19:00	44.2	35189.5	11.3	19.5	-3.4	-22.4
0060	NSSD02	5	267	230	0044	17 JAN 1979	017	12:38:16	45.1	56996.4	-5.2	24.1	-3.4	-21.0
0061	NSSD02	6	178	230	0044	17 JAN 1979	017	16:22:34	42.6	35253.5	11.2	19.5	-3.4	-20.8
0062	NSSD02	7	196	282	0044	17 JAN 1979	017	22:27:14	67.9	35914.4	-47.1	40.3	-3.4	-20.4
0065	NSSD02	8	272	236	0045	18 JAN 1979	018	12:43:33	43.4	56933.5	-5.2	24.1	-3.4	-19.4
0066	NSSD02	9	177	229	0045	18 JAN 1979	018	16:25:50	41.1	35425.7	11.1	19.5	-3.4	-19.2
0067	NSSD02	10	231	236	0046	19 JAN 1979	019	14:51:53	40.0	46841.2	2.3	22.0	-3.4	-17.6
0069	NSSD02	11	301	247	0048	21 JAN 1979	021	10:41:21	40.9	63501.9	-11.2	25.8	-3.4	-14.7
0071	NSSD02	12	293	244	0050	23 JAN 1979	023	10:46:50	37.8	63568.6	-11.3	25.9	-3.4	-11.4
0073	NSSD02	13	282	244	0052	25 JAN 1979	025	11:00:37	34.4	63272.0	-10.9	25.7	-3.4	-8.2
0074	NSSD02	14	292	249	0053	26 JAN 1979	026	11:03:29	32.9	63238.2	-10.9	25.7	-3.4	-6.5
0082	NSSD03	1	310	268	0059	2 FEB 1979	033	07:29:07	28.6	66564.1	-19.7	28.5	-3.2	4.6
0083	NSSD03	2	180	306	0060	2 FEB 1979	033	23:03:23	53.9	34925.8	-47.6	41.1	-3.2	5.6
0084	NSSD03	3	258	268	0060	3 FEB 1979	034	02:45:50	38.1	56683.9	-31.6	32.8	-3.2	5.9
0085	NSSD03	4	243	243	0061	3 FEB 1979	034	13:59:34	16.8	54411.9	-3.2	23.4	-3.2	6.6
0088	NSSD03	5	267	279	0061	4 FEB 1979	035	02:46:04	37.2	56678.8	-31.6	32.8	-3.2	7.5
0089	NSSD03	6	262	259	0062	4 FEB 1979	035	13:59:49	15.2	54486.8	-3.2	23.4	-3.1	8.2
0093	NSSD03	7	265	281	0063	6 FEB 1979	037	02:46:57	35.4	56576.5	-31.7	32.9	-3.1	10.7
0094	NSSD03	8	257	256	0064	6 FEB 1979	037	14:00:05	11.9	54502.4	-3.2	23.4	-3.1	11.5
0097	NSSD03	9	260	279	0064	7 FEB 1979	038	02:47:07	34.6	56576.3	-31.7	32.9	-3.0	12.3
0104	NSSD03	10	264	259	0069	11 FEB 1979	042	13:55:31	4.0	54807.3	-3.4	23.5	-2.8	19.5
0110	NSSD03	11	263	259	0071	13 FEB 1979	044	13:52:08	1.1	54973.6	-3.5	23.5	-2.7	22.7
0116	NSSD03	12	261	259	0073	15 FEB 1979	046	13:43:56	2.7	55478.5	-3.9	23.6	-2.6	25.9
0124	NSSD03	13	160	313	0079	21 FEB 1979	052	22:46:54	46.1	33826.2	-48.0	41.6	-2.2	36.2
0126	NSSD03	14	243	232	0080	22 FEB 1979	053	13:33:00	13.7	55344.6	-3.6	23.5	-2.1	37.2
0127	NSSD04	1	173	252	0080	22 FEB 1979	053	17:05:49	24.0	33623.7	13.0	18.6	-2.1	37.4
0128	NSSD04	2	159	308	0080	22 FEB 1979	053	22:45:28	46.0	34025.7	-48.0	41.5	-2.1	37.8
0129	NSSD04	3	257	286	0080	23 FEB 1979	054	02:20:14	30.2	55754.2	-32.0	33.0	-2.1	38.0
0132	NSSD04	4	154	300	0081	23 FEB 1979	054	22:42:48	46.0	33973.1	-48.0	41.5	-2.0	39.4
0134	NSSD04	5	264	255	0082	24 FEB 1979	055	13:30:12	16.9	55183.9	-3.5	23.5	-2.0	40.4
0136	NSSD04	6	266	257	0083	25 FEB 1979	056	13:25:03	18.5	55375.1	-3.6	23.5	-1.9	42.0
0138	NSSD04	7	154	300	0083	25 FEB 1979	056	22:37:17	46.2	33968.3	-48.0	41.5	-1.9	42.6
0139	NSSD04	8	256	284	0083	26 FEB 1979	057	02:09:57	31.6	55503.6	-32.1	33.1	-1.9	42.8
0140	NSSD04	9	265	254	0084	26 FEB 1979	057	13:21:27	20.1	55444.8	-3.7	23.6	-1.8	43.6
0143	NSSD04	10	254	281	0084	27 FEB 1979	058	02:04:11	32.3	55332.9	-32.2	33.1	-1.8	44.4
0144	NSSD04	11	263	253	0085	27 FEB 1979	058	13:16:36	21.6	55593.1	-3.8	23.6	-1.7	45.2
0147	NSSD04	12	199	283	0086	28 FEB 1979	059	23:56:54	39.4	44747.7	-39.8	36.5	-1.6	47.5
0149	NSSD04	13	204	289	0087	1 MAR 1979	060	23:53:40	39.8	44819.0	-39.7	36.5	-1.5	49.1

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0153	NSSD04	14	205	285	0089	3 MAR 1979	062	23:56:11	40.4	45800.8	-39.0	36.1	-1.4	52.3
0155	NSSD05	1	212	293	0090	4 MAR 1979	063	23:52:39	41.1	45762.9	-39.0	36.1	-1.3	53.9
0157	NSSD05	2	210	291	0091	5 MAR 1979	064	23:46:07	41.9	45501.3	-39.2	36.2	-1.2	55.4
0161	NSSD05	3	206	284	0093	7 MAR 1979	066	23:37:20	43.4	45288.3	-39.4	36.2	-1.0	58.6
0163	NSSD05	4	200	280	0094	8 MAR 1979	067	23:24:48	44.6	44323.1	-40.0	36.5	-0.9	60.2
0165	NSSD05	5	299	265	0094	9 MAR 1979	068	04:47:04	37.4	64653.1	-23.3	29.7	-0.9	60.6
0166	NSSD05	6	213	235	0095	9 MAR 1979	068	15:03:41	40.7	43031.8	5.6	21.0	-0.9	61.2
0169	NSSD05	7	215	232	0097	11 MAR 1979	070	14:52:39	43.7	43453.1	5.3	21.1	-0.7	64.4
0172	NSSD05	8	207	221	0100	14 MAR 1979	073	15:01:32	48.8	42068.9	6.5	20.8	-0.4	69.2
0175	NSSD05	9	285	231	0101	15 MAR 1979	074	10:46:55	45.9	61902.0	-8.7	25.2	-0.3	70.5
0176	NSSD05	10	202	212	0101	15 MAR 1979	074	15:04:58	50.2	42391.2	6.3	20.9	-0.3	70.8
0177	NSSD05	11	232	220	0102	16 MAR 1979	075	14:15:43	50.3	47974.5	2.2	22.1	-0.2	72.3
0178	NSSD05	12	300	232	0104	18 MAR 1979	077	09:53:21	50.2	64397.6	-11.5	26.0	-0.1	75.2
0180	NSSD05	13	238	210	0107	21 MAR 1979	080	14:18:59	57.8	49859.3	0.9	22.5	0.2	80.3
0181	NSSD05	14	234	205	0109	23 MAR 1979	082	14:49:18	61.4	47842.3	2.3	22.1	0.4	83.5
0185	NSSD06	1	234	192	0113	27 MAR 1979	086	14:57:02	67.5	48740.9	1.7	22.3	0.8	89.8
0188	NSSD06	2	232	181	0117	31 MAR 1979	090	15:26:45	74.0	47705.9	2.4	22.2	1.2	96.2
0191	NSSD06	3	228	166	0121	4 APR 1979	094	15:50:06	80.4	47010.3	3.0	22.1	1.5	102.5
0192	NSSD06	4	223	148	0126	9 APR 1979	099	16:15:00	88.3	46579.3	3.2	22.0	1.9	110.5
0194	NSSD06	5	227	139	0129	12 APR 1979	102	16:22:14	93.0	47050.9	2.9	22.1	2.1	115.2
0196	NSSD06	6	227	138	0130	13 APR 1979	103	16:24:30	94.5	47248.1	2.7	22.2	2.2	116.8
0199	NSSD06	7	223	125	0133	16 APR 1979	106	16:32:02	99.2	47522.3	2.5	22.2	2.4	121.5
0201	NSSD06	8	228	122	0135	18 APR 1979	108	16:44:33	102.4	46965.0	2.6	22.2	2.5	124.7
0202	NSSD06	9	224	113	0137	20 APR 1979	110	16:49:56	105.6	47006.1	2.8	22.1	2.7	127.9
0203	NSSD06	10	225	111	0138	21 APR 1979	111	16:52:39	107.2	46995.5	2.8	22.1	2.7	129.5
0204	NSSD06	11	230	104	0141	24 APR 1979	114	17:02:02	111.9	46740.6	3.0	22.1	2.9	134.2
0205	NSSD06	12	228	101	0142	25 APR 1979	115	17:16:28	113.7	45564.7	3.8	21.8	2.9	135.8
0206	NSSD06	13	226	95	0144	27 APR 1979	117	17:28:06	117.0	44643.1	4.5	21.6	3.0	139.0
0214	NSSD06	14	175	68	0173	27 MAY 1979	147	01:48:02	137.6	49725.0	-36.0	34.8	3.2	-174.4
0215	NSSD07	1	216	54	0173	27 MAY 1979	147	06:28:18	150.1	64889.8	-22.6	29.4	3.2	-174.1
0218	NSSD07	2	140	89	0174	27 MAY 1979	147	23:48:24	129.5	37396.9	-45.0	39.3	3.2	-173.0
0219	NSSD07	3	182	55	0174	28 MAY 1979	148	03:49:05	145.2	58842.2	-29.1	31.7	3.2	-172.7
0220	NSSD07	4	203	45	0175	28 MAY 1979	148	08:42:26	155.9	66380.0	-17.1	27.6	3.2	-172.4
0223	NSSD07	5	173	64	0175	29 MAY 1979	149	02:01:07	140.8	51901.5	-34.4	34.1	3.1	-171.2
0231	NSSD07	6	174	54	0177	31 MAY 1979	151	03:16:28	147.3	58102.4	-29.6	32.2	3.1	-168.0
0232	NSSD07	7	161	36	0177	31 MAY 1979	151	08:06:46	158.8	66351.5	-17.7	27.9	3.0	-167.6
0237	NSSD07	8	140	59	0178	1 JUN 1979	152	01:23:05	142.3	50601.5	-35.3	34.6	3.0	-166.5
0241	NSSD07	9	134	60	0179	2 JUN 1979	153	01:36:23	143.2	51112.7	-35.1	34.5	3.0	-164.9
0242	NSSD07	10	136	60	0180	3 JUN 1979	154	01:39:31	143.5	50653.5	-35.4	34.6	2.9	-163.3
0243	NSSD07	11	119	36	0181	4 JUN 1979	155	06:11:03	157.2	65067.5	-22.9	29.7	2.9	-161.4
0244	NSSD07	12	127	61	0182	5 JUN 1979	156	01:47:31	144.1	49933.1	-35.9	34.8	2.8	-160.1
0245	NSSD07	13	111	35	0182	5 JUN 1979	156	06:19:11	157.9	65063.9	-22.9	29.7	2.8	-159.8
0246	NSSD07	14	231	101	0225	17 JUL 1979	198	17:25:44	113.6	47577.3	3.1	22.0	-0.7	-91.6
0248	NSSD07	15	230	103	0226	18 JUL 1979	199	17:22:32	112.1	47811.3	2.9	22.1	-0.8	-90.0
0261	NSSD07	16	231	142	0238	30 JUL 1979	211	17:28:35	92.8	47562.9	3.1	22.1	-1.9	-70.6
0262	NSSD07	17	222	152	0241	2 AUG 1979	214	17:52:45	87.6	45524.3	4.6	21.7	-2.1	-65.7
0269	NSSD08	1	238	166	0246	7 AUG 1979	219	17:07:29	80.4	50308.1	1.1	22.7	-2.5	-57.6
0303	NSSD08	2	220	282	0292	23 SEP 1979	266	04:44:09	37.6	47773.2	-36.8	35.4	-2.9	17.8
0304	NSSD08	3	221	284	0293	24 SEP 1979	267	04:53:10	37.0	47734.9	-36.8	35.4	-2.8	19.4
0305	NSSD08	4	217	279	0294	25 SEP 1979	268	05:03:58	36.5	47798.7	-36.8	35.4	-2.8	21.0
0313	NSSD08	5	324	282	0303	3 OCT 1979	276	14:10:36	14.7	66733.0	-15.1	27.2	-2.3	34.5
0422	NSSD08	6	273	254	0310	11 OCT 1979	284	11:14:03	27.7	63611.9	-23.9	30.1	-1.6	47.1
0425	NSSD08	7	285	267	0311	12 OCT 1979	285	11:19:21	28.7	63559.3	-23.9	30.1	-1.6	48.7
0428	NSSD08	8	295	276	0312	13 OCT 1979	286	11:23:42	29.8	63468.5	-24.0	30.1	-1.5	50.3
0431	NSSD08	9	291	270	0313	14 OCT 1979	287	11:31:58	30.9	63530.1	-23.9	30.1	-1.4	51.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0434	NSSD08	10	294	272	0314	15 OCT 1979	288	11:32:36	32.1	63336.2	-24.1	30.2	-1.3	53.5
0437	NSSD08	11	289	267	0315	16 OCT 1979	289	11:35:29	33.3	63203.2	-24.3	30.2	-1.2	55.1
0440	NSSD08	12	292	269	0316	17 OCT 1979	290	11:38:04	34.6	63081.4	-24.4	30.3	-1.1	56.7
0445	NSSD08	13	268	269	0318	19 OCT 1979	292	10:06:42	38.7	57888.6	-29.1	32.0	-1.0	59.8
0451	NSSD08	14	277	270	0320	21 OCT 1979	294	10:45:31	40.5	59440.4	-27.8	31.5	-0.8	63.0
0453	NSSD09	1	249	259	0321	22 OCT 1979	295	09:47:21	42.8	55413.9	-31.0	32.6	-0.7	64.6
0469	NSSD09	2	232	224	0324	24 OCT 1979	297	22:51:07	46.8	48396.2	3.2	21.9	-0.4	68.6
0492	NSSD09	3	294	239	0329	30 OCT 1979	303	13:24:23	51.8	63985.6	-23.3	29.8	0.1	77.5
0495	NSSD09	4	230	203	0333	2 NOV 1979	306	23:58:55	61.2	47215.2	4.1	21.8	0.4	83.0
0496	NSSD09	5	224	234	0333	3 NOV 1979	307	09:44:27	58.2	49304.3	-35.3	34.3	0.4	83.6
0497	NSSD09	6	303	233	0333	3 NOV 1979	307	14:31:02	57.7	65242.9	-21.5	29.2	0.5	83.9
0498	NSSD09	7	301	219	0334	3 NOV 1979	307	19:41:10	59.2	63895.9	-9.5	25.6	0.5	84.3
0499	NSSD09	8	234	203	0334	4 NOV 1979	308	00:01:33	62.7	47524.9	3.9	21.8	0.5	84.5
0500	NSSD09	9	234	246	0334	4 NOV 1979	308	09:51:47	59.4	49400.9	-35.3	34.3	0.5	85.2
0501	NSSD09	10	304	230	0334	4 NOV 1979	308	14:32:52	59.1	65118.9	-21.7	29.3	0.6	85.5
0502	NSSD09	11	238	247	0335	5 NOV 1979	309	09:55:35	60.7	49208.9	-35.4	34.3	0.6	86.8
0503	NSSD09	12	229	235	0336	6 NOV 1979	310	09:58:29	61.9	48918.3	-35.6	34.4	0.7	88.4
0504	NSSD09	13	307	227	0336	6 NOV 1979	310	14:33:24	62.1	64827.0	-22.2	29.4	0.7	88.7
0505	NSSD09	14	298	209	0337	6 NOV 1979	310	19:44:21	63.8	64383.0	-10.1	25.8	0.8	89.0
0506	NSSD09	15	236	193	0337	7 NOV 1979	311	00:09:12	67.2	48458.0	3.2	22.1	0.8	89.3
0507	NSSD10	1	233	238	0337	7 NOV 1979	311	10:01:51	63.2	48657.3	-35.8	34.4	0.8	90.0
0508	NSSD10	2	302	222	0337	7 NOV 1979	311	14:34:42	63.5	64687.7	-22.4	29.5	0.8	90.3
0509	NSSD10	3	298	205	0338	7 NOV 1979	311	19:43:58	65.3	64596.2	-10.4	25.9	0.8	90.6
0510	NSSD10	4	239	192	0338	8 NOV 1979	312	00:12:22	68.8	48725.3	3.0	22.1	0.9	90.9
0511	NSSD10	5	227	229	0338	8 NOV 1979	312	10:04:06	64.5	48395.3	-36.0	34.5	0.9	91.5
0512	NSSD10	6	304	221	0338	8 NOV 1979	312	14:36:17	65.0	64566.5	-22.5	29.5	0.9	91.8
0513	NSSD10	7	305	206	0339	8 NOV 1979	312	19:45:29	66.9	64710.9	-10.6	25.9	0.9	92.2
0514	NSSD10	8	236	186	0339	9 NOV 1979	313	00:15:01	70.3	49020.4	2.8	22.2	1.0	92.5
0515	NSSD10	9	230	230	0339	9 NOV 1979	313	10:07:49	65.7	48095.7	-36.2	34.6	1.0	93.1
0516	NSSD10	10	307	218	0339	9 NOV 1979	313	14:35:44	66.4	64353.2	-22.8	29.6	1.0	93.4
0517	NSSD10	11	303	201	0340	9 NOV 1979	313	19:45:51	68.4	64879.2	-10.8	26.0	1.0	93.8
0518	NSSD10	12	238	185	0340	10 NOV 1979	314	00:17:58	71.8	49375.0	2.6	22.3	1.0	94.1
0521	NSSD10	13	241	183	0341	11 NOV 1979	315	00:21:34	73.3	49562.7	2.4	22.3	1.1	95.6
0523	NSSD10	14	301	194	0342	11 NOV 1979	315	19:49:26	71.5	65075.4	-11.1	26.1	1.2	96.9
0524	NSSD10	15	241	180	0342	12 NOV 1979	316	00:24:38	74.8	49783.2	2.2	22.4	1.2	97.2
0527	NSSD11	1	235	172	0343	13 NOV 1979	317	00:26:46	76.3	50159.0	2.0	22.5	1.3	98.8
0530	NSSD11	2	241	171	0344	14 NOV 1979	318	00:30:45	77.9	50279.7	1.9	22.5	1.4	100.4
0542	NSSD11	3	230	155	0349	19 NOV 1979	323	01:32:55	86.4	47109.1	4.1	21.9	1.8	108.4
0545	NSSD11	4	230	151	0350	20 NOV 1979	324	01:34:18	87.9	47396.9	3.9	22.0	1.9	110.0
0548	NSSD11	5	230	149	0351	21 NOV 1979	325	01:45:07	89.5	46848.6	4.3	21.9	2.0	111.6
0550	NSSD11	6	225	142	0352	22 NOV 1979	326	01:47:27	91.1	47159.3	4.1	21.9	2.0	113.1
0551	NSSD11	7	279	151	0354	23 NOV 1979	327	21:36:21	90.7	63816.5	-9.5	25.7	2.2	116.0
0558	NSSD11	8	233	121	0360	30 NOV 1979	334	02:25:52	103.7	47057.6	4.1	21.9	2.6	125.8
0559	NSSD11	9	300	135	0361	30 NOV 1979	334	22:08:39	101.7	63746.0	-9.5	25.7	2.6	127.1
0560	NSSD11	10	235	118	0361	1 DEC 1979	335	02:26:33	105.2	47355.9	3.9	22.0	2.6	127.4
0561	NSSD11	11	292	129	0362	1 DEC 1979	335	22:12:50	103.3	63722.1	-9.5	25.7	2.7	128.7
0562	NSSD11	12	228	112	0362	2 DEC 1979	336	02:27:14	106.7	47571.6	3.7	22.0	2.7	129.0
0563	NSSD11	13	298	126	0364	3 DEC 1979	337	22:21:09	106.5	63622.3	-9.4	25.6	2.8	131.9
0570	NSSD11	14	229	102	0366	6 DEC 1979	340	02:39:37	113.0	47626.9	3.6	22.0	2.9	135.3
0572	NSSD11	15	231	100	0367	7 DEC 1979	341	02:41:25	114.6	47703.6	3.6	22.0	3.0	136.9
0573	NSSD12	1	300	115	0368	7 DEC 1979	341	22:20:21	112.6	64019.5	-9.9	25.8	3.0	138.2
0574	NSSD12	2	226	96	0368	8 DEC 1979	342	02:43:12	116.2	47759.9	3.5	22.0	3.0	138.5
0575	NSSD12	3	295	111	0369	8 DEC 1979	342	22:22:08	114.2	64036.5	-10.0	25.8	3.0	139.8
0576	NSSD12	4	232	95	0369	9 DEC 1979	343	02:45:02	117.7	47818.8	3.5	22.1	3.0	140.1
0577	NSSD12	5	290	106	0370	9 DEC 1979	343	22:22:13	115.7	64107.5	-10.1	25.8	3.1	141.4

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0578	NSSD12	6	233	92	0370	10 DEC 1979	344	02:45:56	119.3	48040.4	3.3	22.1	3.1	141.7
0579	NSSD12	7	301	108	0371	10 DEC 1979	344	22:21:56	117.2	64212.1	-10.2	25.9	3.1	143.0
0580	NSSD12	8	224	85	0371	11 DEC 1979	345	02:46:40	120.8	48165.1	3.2	22.1	3.1	143.3
0581	NSSD12	9	248	52	0394	2 JAN 1980	002	22:28:20	153.5	63289.2	-9.2	25.5	3.3	179.5
0583	NSSD12	10	167	80	0394	3 JAN 1980	003	11:21:14	130.7	42610.7	-39.9	36.9	3.3	-179.7
0584	NSSD12	11	220	62	0394	3 JAN 1980	003	15:11:33	142.7	60550.5	-26.5	31.1	3.3	-179.4
0587	NSSD12	12	89	29	0395	4 JAN 1980	004	04:19:15	156.1	35089.2	13.3	18.8	3.3	-178.6
0588	NSSD12	13	164	82	0395	4 JAN 1980	004	11:08:02	130.9	41494.8	-40.7	37.3	3.3	-178.1
0589	NSSD12	14	214	60	0395	4 JAN 1980	004	14:53:12	143.3	59802.5	-27.1	31.4	3.3	-177.9
0590	NSSD13	1	234	51	0396	4 JAN 1980	004	19:52:19	152.9	66368.1	-15.1	27.3	3.3	-177.5
0592	NSSD13	2	80	28	0396	5 JAN 1980	005	04:16:17	157.2	34973.0	13.4	18.8	3.2	-177.0
0597	NSSD13	3	66	28	0397	6 JAN 1980	006	04:12:35	158.2	34898.5	13.5	18.7	3.2	-175.4
0599	NSSD13	4	212	59	0397	6 JAN 1980	006	14:48:24	145.7	59985.7	-26.9	31.3	3.2	-174.7
0604	NSSD13	5	174	51	0398	7 JAN 1980	007	14:43:01	146.7	59961.2	-26.9	31.3	3.2	-173.1
0607	NSSD13	6	56	27	0399	8 JAN 1980	008	04:02:35	160.1	34945.6	13.5	18.7	3.2	-172.2
0608	NSSD13	7	145	74	0399	8 JAN 1980	008	10:50:35	134.3	41517.4	-40.6	37.3	3.1	-171.8
0609	NSSD13	8	199	54	0399	8 JAN 1980	008	14:35:29	147.6	59794.8	-27.0	31.4	3.1	-171.5
0610	NSSD13	9	178	38	0400	8 JAN 1980	008	19:33:29	158.3	66324.5	-15.0	27.3	3.1	-171.2
0612	NSSD13	10	39	24	0400	9 JAN 1980	009	03:55:53	161.1	35152.4	13.3	18.7	3.1	-170.6
0613	NSSD13	11	141	73	0400	9 JAN 1980	009	10:45:04	135.1	41578.2	-40.5	37.3	3.1	-170.2
0614	NSSD13	12	157	46	0400	9 JAN 1980	009	14:30:10	148.6	59876.7	-27.0	31.4	3.1	-169.9
0617	NSSD13	13	131	70	0401	10 JAN 1980	010	10:52:47	135.9	41715.4	-40.5	37.3	3.1	-168.6
0618	NSSD13	14	150	45	0401	10 JAN 1980	010	14:39:52	149.6	60153.7	-26.9	31.3	3.1	-168.3
0619	NSSD13	15	131	29	0402	10 JAN 1980	010	19:41:11	160.9	66731.2	-14.9	27.2	3.1	-168.0
0625	NSSD14	1	128	32	0403	12 JAN 1980	012	17:53:27	158.9	66207.1	-19.4	28.7	3.0	-164.9
0626	NSSD14	2	130	58	0404	13 JAN 1980	013	12:19:23	143.4	48932.8	-35.3	34.8	2.9	-163.7
0627	NSSD14	3	130	36	0404	13 JAN 1980	013	16:41:53	156.7	64418.8	-22.4	29.7	2.9	-163.4
0628	NSSD14	4	125	57	0405	14 JAN 1980	014	12:24:24	143.9	48862.6	-35.4	34.8	2.9	-162.1
0632	NSSD14	5	115	58	0407	16 JAN 1980	016	12:37:46	145.3	49035.0	-35.1	34.7	2.8	-158.9
0635	NSSD14	6	112	60	0408	17 JAN 1980	017	12:36:45	145.4	48539.0	-35.5	34.9	2.7	-157.3
0636	NSSD14	7	87	34	0408	17 JAN 1980	017	17:11:49	159.7	64651.6	-22.0	29.6	2.7	-157.0
0638	NSSD14	8	105	61	0409	18 JAN 1980	018	12:41:38	145.9	48631.3	-35.4	34.9	2.7	-155.7
0645	NSSD14	9	181	38	0422	31 JAN 1980	031	03:02:39	157.0	49536.4	2.7	21.9	1.8	-135.5
0648	NSSD14	10	218	45	0424	1 FEB 1980	032	22:44:58	156.9	64333.2	-9.9	25.7	1.6	-132.6
0649	NSSD14	11	209	45	0424	2 FEB 1980	033	03:04:51	153.8	49205.9	3.0	21.9	1.6	-132.3
0650	NSSD14	12	234	49	0425	2 FEB 1980	033	22:49:14	155.4	64140.1	-9.6	25.6	1.6	-131.0
0651	NSSD15	1	217	48	0425	3 FEB 1980	034	03:06:49	152.1	48927.6	3.2	21.8	1.5	-130.7
0652	NSSD15	2	255	53	0426	3 FEB 1980	034	22:54:08	153.8	63939.4	-9.4	25.5	1.5	-129.4
0653	NSSD15	3	220	49	0426	4 FEB 1980	035	03:09:33	150.5	48545.4	3.5	21.7	1.5	-129.1
0656	NSSD15	4	267	57	0428	5 FEB 1980	036	22:57:09	150.7	63756.8	-9.1	25.5	1.3	-126.2
0660	NSSD15	5	233	57	0430	8 FEB 1980	039	02:50:36	144.8	50941.8	1.9	22.2	1.1	-122.7
0664	NSSD15	6	240	61	0432	10 FEB 1980	041	03:02:05	141.6	50748.5	2.1	22.2	0.9	-119.5
0666	NSSD15	7	238	63	0433	11 FEB 1980	042	03:08:11	140.0	50616.8	2.2	22.2	0.8	-117.9
0668	NSSD15	8	239	65	0434	12 FEB 1980	043	03:13:32	138.4	50613.5	2.2	22.2	0.7	-116.3
0672	NSSD15	9	290	76	0437	14 FEB 1980	045	23:27:09	136.6	64267.7	-9.4	25.6	0.5	-111.7
0673	NSSD15	10	238	71	0437	15 FEB 1980	046	03:31:07	133.5	50166.8	2.6	22.1	0.4	-111.4
0676	NSSD15	11	294	81	0439	16 FEB 1980	047	23:39:59	133.4	64164.8	-9.3	25.6	0.3	-108.5
0677	NSSD15	12	244	77	0439	17 FEB 1980	048	03:42:27	130.2	49974.2	2.7	22.1	0.3	-108.2
0678	NSSD15	13	297	84	0440	17 FEB 1980	048	23:46:25	131.7	64071.6	-9.2	25.5	0.2	-106.8
0679	NSSD15	14	237	77	0440	18 FEB 1980	049	03:48:09	128.6	49811.8	2.9	22.1	0.2	-106.6
0683	NSSD16	1	240	83	0442	20 FEB 1980	051	03:59:21	125.4	49585.4	3.0	22.1	0.0	-103.3
0685	NSSD16	2	212	150	0459	8 MAR 1980	068	13:51:53	105.3	41164.2	-40.6	36.6	-1.6	-75.2
0686	NSSD16	3	295	144	0459	8 MAR 1980	068	18:00:29	103.2	60986.6	-25.7	30.6	-1.6	-74.9
0687	NSSD16	4	318	144	0460	8 MAR 1980	068	23:07:03	100.7	66411.7	-13.5	26.8	-1.7	-74.6
0688	NSSD16	5	270	139	0460	9 MAR 1980	069	03:44:52	97.7	55623.1	-1.4	23.5	-1.7	-74.3

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0690	NSSD16	6	211	152	0460	9 MAR 1980	069	13:48:22	104.1	40536.6	-41.0	36.8	-1.7	-73.6
0691	NSSD16	7	297	147	0460	9 MAR 1980	069	18:06:58	101.7	61153.3	-25.5	30.6	-1.7	-73.3
0693	NSSD16	8	267	141	0461	10 MAR 1980	070	03:50:33	96.0	55368.7	-1.3	23.4	-1.8	-72.6
0694	NSSD16	9	174	138	0461	10 MAR 1980	070	07:21:13	91.6	33714.7	15.3	18.8	-1.8	-72.4
0695	NSSD16	10	211	155	0461	10 MAR 1980	070	13:54:38	102.8	40956.4	-40.7	36.7	-1.8	-72.0
0696	NSSD16	11	295	149	0461	10 MAR 1980	070	18:14:57	100.2	61398.5	-25.3	30.5	-1.8	-71.7
0697	NSSD16	12	318	151	0462	10 MAR 1980	070	23:20:43	97.4	66306.2	-13.2	26.8	-1.8	-71.3
0698	NSSD16	13	267	144	0462	11 MAR 1980	071	03:57:08	94.3	55038.9	-1.0	23.4	-1.8	-71.0
0699	NSSD16	14	176	144	0462	11 MAR 1980	071	07:23:09	90.1	33755.6	15.3	18.8	-1.9	-70.8
0700	NSSD16	15	215	160	0462	11 MAR 1980	071	13:59:26	101.5	41247.0	-40.5	36.6	-1.9	-70.3
0701	NSSD17	1	298	154	0462	11 MAR 1980	071	18:21:03	98.6	61605.9	-25.1	30.4	-1.9	-70.0
0703	NSSD17	2	269	149	0463	12 MAR 1980	072	03:59:40	92.7	55083.5	-1.1	23.4	-1.9	-69.4
0704	NSSD17	3	176	148	0463	12 MAR 1980	072	07:27:01	88.5	33543.4	15.5	18.8	-1.9	-69.1
0705	NSSD17	4	251	155	0463	12 MAR 1980	072	13:37:28	99.0	50892.5	-33.6	33.5	-2.0	-68.6
0706	NSSD17	5	314	158	0463	12 MAR 1980	072	20:16:20	96.1	65396.5	-20.5	28.9	-2.0	-68.3
0707	NSSD17	6	303	154	0464	13 MAR 1980	073	01:24:17	93.0	63413.6	-8.5	25.4	-2.0	-67.9
0708	NSSD17	7	233	150	0464	13 MAR 1980	073	05:38:12	89.6	46902.8	4.9	21.8	-2.0	-67.6
0713	NSSD17	8	241	167	0466	15 MAR 1980	075	15:08:24	95.3	47661.0	-35.9	34.4	-2.2	-63.8
0715	NSSD17	9	241	170	0467	16 MAR 1980	076	15:12:45	94.0	47897.3	-35.7	34.4	-2.3	-62.1
0716	NSSD17	10	307	169	0467	16 MAR 1980	076	19:43:40	90.3	64297.5	-22.1	29.5	-2.3	-61.8
0717	NSSD17	11	239	171	0468	17 MAR 1980	077	15:15:13	92.6	47964.0	-35.7	34.4	-2.3	-60.5
0718	NSSD17	12	310	173	0468	17 MAR 1980	077	19:48:39	88.8	64391.8	-22.0	29.4	-2.3	-60.2
0719	NSSD17	13	243	177	0469	18 MAR 1980	078	15:17:50	91.2	47996.2	-35.7	34.4	-2.4	-58.9
0720	NSSD17	14	310	177	0469	18 MAR 1980	078	19:49:59	87.3	64369.1	-22.0	29.4	-2.4	-58.6
0721	NSSD17	15	243	180	0470	19 MAR 1980	079	15:19:24	89.9	48029.3	-35.6	34.4	-2.5	-57.3
0722	NSSD18	1	308	178	0470	19 MAR 1980	079	19:52:40	85.7	64399.7	-22.0	29.4	-2.5	-56.9
0724	NSSD18	2	239	172	0471	20 MAR 1980	080	05:32:00	78.6	48749.3	3.5	22.2	-2.5	-56.3
0728	NSSD18	3	311	186	0472	21 MAR 1980	081	19:58:04	82.6	64470.4	-21.9	29.4	-2.6	-53.7
0729	NSSD18	4	244	191	0473	22 MAR 1980	082	15:25:59	85.8	48093.5	-35.6	34.4	-2.7	-52.4
0730	NSSD18	5	305	186	0473	22 MAR 1980	082	20:00:59	81.1	64479.0	-21.9	29.4	-2.7	-52.1
0731	NSSD18	6	245	206	0478	27 MAR 1980	087	15:34:52	79.1	48087.0	-35.6	34.4	-2.9	-44.2
0733	NSSD18	7	247	209	0557	14 JUN 1980	166	06:54:00	60.3	49686.7	3.6	22.0	0.4	82.3
0734	NSSD18	8	231	253	0557	14 JUN 1980	166	16:45:22	57.5	47274.7	-35.5	34.6	0.4	83.0
0735	NSSD18	9	303	217	0558	15 JUN 1980	167	02:20:35	58.3	65170.5	-10.0	25.9	0.4	83.6
0736	NSSD18	10	248	207	0558	15 JUN 1980	167	06:56:20	61.8	50033.1	3.4	22.1	0.5	83.9
0740	NSSD18	11	225	241	0559	16 JUN 1980	168	16:51:51	60.0	46684.7	-35.9	34.7	0.6	86.1
0742	NSSD18	12	303	212	0560	17 JUN 1980	169	02:54:27	61.7	64573.1	-9.1	25.6	0.6	86.8
0743	NSSD18	13	238	197	0560	17 JUN 1980	169	07:22:36	65.2	48755.8	4.3	21.9	0.6	87.1
0744	NSSD18	14	231	112	0587	14 JUL 1980	196	10:07:30	108.0	46590.2	5.8	21.6	2.7	130.0
0747	NDDD18	15	296	123	0589	16 JUL 1980	198	05:46:15	107.6	63807.5	-8.3	25.5	2.8	132.8
0748	NSSD19	1	226	104	0589	16 JUL 1980	198	10:07:42	111.0	47284.3	5.2	21.7	2.8	133.1
0749	NSSD19	2	230	103	0590	17 JUL 1980	199	10:18:35	112.7	46575.4	5.7	21.6	2.9	134.7
0750	NSSD19	3	298	118	0591	18 JUL 1980	200	06:01:23	110.8	63523.0	-8.0	25.4	2.9	136.0
0751	NSSD19	4	232	101	0591	18 JUL 1980	200	10:21:51	114.2	46560.6	5.8	21.6	2.9	136.3
0752	NSSD19	5	294	113	0592	19 JUL 1980	201	06:04:34	112.4	63527.0	-8.0	25.4	3.0	137.6
0753	NSSD19	6	232	98	0592	19 JUL 1980	201	10:26:34	115.8	46405.0	5.9	21.5	3.0	137.9
0754	NSSD19	7	291	110	0593	20 JUL 1980	202	06:06:33	114.0	63556.2	-8.0	25.4	3.0	139.2
0755	NSSD19	8	229	93	0593	20 JUL 1980	202	10:27:14	117.4	46602.4	5.7	21.6	3.0	139.5
0757	NSSD19	9	231	92	0594	21 JUL 1980	203	10:31:17	118.9	46517.5	5.8	21.6	3.1	141.1
0759	NSSD19	10	230	88	0595	22 JUL 1980	204	10:19:49	120.3	47953.1	4.7	21.8	3.1	142.6
0760	NSSD19	11	295	103	0596	23 JUL 1980	205	06:00:46	118.5	64046.0	-8.7	25.6	3.1	143.9
0761	NSSD19	12	233	87	0596	23 JUL 1980	205	10:21:35	121.9	48044.9	4.7	21.9	3.1	144.2
0762	NSSD19	13	291	99	0597	24 JUL 1980	206	06:01:47	120.0	64107.9	-8.7	25.6	3.2	145.5
0763	NSSD19	14	233	85	0597	24 JUL 1980	206	10:23:19	123.5	48103.3	4.6	21.9	3.2	145.8
0764	NSSD19	15	299	99	0598	25 JUL 1980	207	06:02:27	121.6	64158.2	-8.8	25.6	3.2	147.1

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0765	NSSD19	16	232	82	0598	25 JUL 1980	207	10:24:50	125.0	48294.8	4.5	21.9	3.2	147.4
0768	NSSD19	17	296	94	0600	27 JUL 1980	209	06:11:42	124.7	64295.6	-9.0	25.7	3.3	150.3
0769	NSSD19	18	225	75	0600	27 JUL 1980	209	10:35:45	128.2	48542.7	4.3	21.9	3.3	150.6
0776	NSSD20	1	297	84	0604	31 JUL 1980	213	06:36:42	131.3	63505.5	-8.0	25.4	3.3	156.7
0777	NSSD20	2	225	67	0604	31 JUL 1980	213	10:52:23	134.6	47037.7	5.4	21.6	3.4	156.9
0778	NSSD20	3	297	82	0605	1 AUG 1980	214	06:39:11	132.9	63540.1	-8.1	25.4	3.4	158.2
0780	NSSD20	4	297	80	0606	2 AUG 1980	215	06:40:11	134.4	63596.6	-8.1	25.4	3.4	159.8
0781	NSSD20	5	225	63	0606	2 AUG 1980	215	10:57:04	137.7	47199.7	5.3	21.6	3.4	160.1
0782	NSSD20	6	297	79	0607	3 AUG 1980	216	06:41:31	136.0	63652.7	-8.2	25.4	3.4	161.4
0783	NSSD20	7	226	61	0607	3 AUG 1980	216	10:58:54	139.2	47366.5	5.2	21.6	3.4	161.7
0784	NSSD20	8	299	77	0608	4 AUG 1980	217	06:42:17	137.5	63696.7	-8.3	25.4	3.4	163.0
0785	NSSD20	9	223	59	0608	4 AUG 1980	217	11:00:21	140.8	47396.9	5.2	21.6	3.4	163.3
0786	NSSD20	10	296	74	0609	5 AUG 1980	218	06:43:02	139.1	63752.2	-8.3	25.4	3.4	164.6
0787	NSSD20	11	225	58	0609	5 AUG 1980	218	11:01:58	142.3	47563.3	5.0	21.6	3.4	164.9
0788	NSSD20	12	221	56	0610	6 AUG 1980	219	11:03:34	143.9	47657.5	5.0	21.6	3.4	166.5
0789	NSSD20	13	293	71	0611	7 AUG 1980	220	06:44:45	142.2	63894.6	-8.5	25.5	3.4	167.8
0790	NSSD21	1	220	53	0611	7 AUG 1980	220	11:05:04	145.5	47720.2	4.9	21.6	3.4	168.1
0791	NSSD21	2	288	67	0612	8 AUG 1980	221	06:45:35	143.7	63947.6	-8.5	25.5	3.4	169.4
0792	NSSD21	3	216	51	0612	8 AUG 1980	221	11:06:41	147.0	47884.5	4.8	21.6	3.4	169.6
0809	NSSD21	4	154	82	0620	16 AUG 1980	229	19:49:37	130.7	39244.8	-41.4	37.9	3.2	-177.1
0810	NSSD21	5	206	56	0620	17 AUG 1980	230	00:05:27	145.3	60470.6	-25.4	30.9	3.2	-176.8
0813	NSSD21	6	66	28	0621	17 AUG 1980	230	13:34:08	156.0	33303.3	16.5	18.0	3.2	-175.9
0814	NSSD21	7	145	78	0621	17 AUG 1980	230	19:51:54	131.4	39109.6	-41.5	37.9	3.2	-175.5
0815	NSSD21	8	204	55	0621	18 AUG 1980	231	00:07:01	146.4	60413.4	-25.5	31.0	3.2	-175.2
0817	NSSD21	9	64	29	0622	18 AUG 1980	231	13:36:22	156.9	33401.4	16.4	18.0	3.2	-174.3
0818	NSSD21	10	139	76	0622	18 AUG 1980	231	19:54:07	132.3	39149.4	-41.4	37.9	3.2	-173.9
0820	NSSD21	11	55	31	0623	19 AUG 1980	232	13:38:33	157.8	33550.1	16.3	18.0	3.2	-172.7
0821	NSSD21	12	145	78	0623	19 AUG 1980	232	19:56:19	133.0	39014.1	-41.5	38.0	3.2	-172.3
0822	NSSD21	13	204	54	0623	20 AUG 1980	233	00:09:50	148.5	60227.2	-25.6	31.0	3.2	-172.0
0825	NSSD21	14	41	29	0624	20 AUG 1980	233	13:40:51	158.6	33647.6	16.2	18.1	3.1	-171.1
0826	NSSD22	1	140	76	0624	20 AUG 1980	233	19:58:42	133.7	38922.3	-41.6	38.0	3.1	-170.7
0827	NSSD22	2	157	44	0624	21 AUG 1980	234	00:11:26	149.5	60187.0	-25.6	31.0	3.1	-170.4
0828	NSSD22	3	146	31	0625	21 AUG 1980	234	05:08:16	160.1	66497.3	-13.7	27.0	3.1	-170.1
0830	NSSD22	4	133	74	0625	21 AUG 1980	234	20:00:51	134.4	38830.2	-41.7	38.1	3.1	-169.1
0831	NSSD22	5	166	46	0625	22 AUG 1980	235	00:12:42	150.4	60092.6	-25.7	31.1	3.1	-168.8
0832	NSSD22	6	121	26	0626	22 AUG 1980	235	05:09:15	161.3	66507.1	-13.7	27.1	3.1	-168.5
0834	NSSD22	7	34	32	0626	22 AUG 1980	235	13:45:15	159.9	33741.2	16.2	18.0	3.1	-167.9
0835	NSSD22	8	127	73	0626	22 AUG 1980	235	20:03:16	135.1	38826.4	-41.7	38.1	3.0	-167.5
0836	NSSD22	9	161	45	0626	23 AUG 1980	236	00:14:32	151.3	60034.0	-25.7	31.1	3.0	-167.2
0837	NSSD22	10	112	24	0627	23 AUG 1980	236	05:10:48	162.5	66514.1	-13.8	27.1	3.0	-166.9
0841	NSSD22	11	141	43	0627	24 AUG 1980	237	00:28:44	152.7	60597.0	-25.2	30.9	3.0	-165.6
0844	NSSD22	12	32	35	0628	24 AUG 1980	237	13:49:56	160.8	33935.3	16.1	18.1	3.0	-164.7
0845	NSSD22	13	122	72	0628	24 AUG 1980	237	20:08:11	136.4	38774.8	-41.7	38.1	3.0	-164.3
0846	NSSD22	14	135	41	0628	25 AUG 1980	238	00:18:10	152.9	59952.9	-25.8	31.1	2.9	-164.0
0849	NSSD23	1	38	39	0629	25 AUG 1980	238	13:52:15	161.0	33931.8	16.1	18.1	2.9	-163.1
0850	NSSD23	2	111	69	0629	25 AUG 1980	238	20:10:38	136.8	38594.2	-41.8	38.2	2.9	-162.7
0852	NSSD23	3	118	58	0630	26 AUG 1980	239	21:25:35	143.8	46704.4	-35.8	35.2	2.9	-161.0
0853	NSSD23	4	98	28	0630	27 AUG 1980	240	02:05:13	158.9	64107.6	-21.4	29.5	2.8	-160.7
0854	NSSD23	5	112	57	0631	27 AUG 1980	240	21:27:48	144.3	46596.0	-35.9	35.2	2.8	-159.4
0855	NSSD23	6	96	30	0631	28 AUG 1980	241	02:06:31	159.5	64048.9	-21.4	29.6	2.8	-159.1
0856	NSSD23	7	110	61	0632	28 AUG 1980	241	21:29:22	144.7	46522.5	-35.9	35.2	2.7	-157.8
0857	NSSD23	8	89	30	0632	29 AUG 1980	242	02:06:58	159.9	63956.4	-21.6	29.6	2.7	-157.5
0859	NSSD23	9	77	32	0633	30 AUG 1980	243	02:08:03	160.4	63930.3	-21.6	29.6	2.7	-155.9
0861	NSSD23	10	73	32	0634	31 AUG 1980	244	02:09:02	160.6	63858.9	-21.6	29.6	2.6	-154.3
0862	NSSD23	11	93	59	0635	31 AUG 1980	244	21:35:21	145.6	46230.9	-36.1	35.3	2.6	-153.0

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0863	NSSD23	12	65	33	0635	1 SEP 1980	245	02:10:44	160.7	63786.7	-21.7	29.7	2.6	-152.7
0864	NSSD23	13	86	59	0636	1 SEP 1980	245	21:38:11	145.9	46263.3	-36.1	35.3	2.5	-151.4
0865	NSSD23	14	65	32	0636	2 SEP 1980	246	02:13:32	160.8	63795.0	-21.7	29.6	2.5	-151.1
0867	NSSD24	1	62	35	0637	3 SEP 1980	247	02:15:14	160.7	63768.7	-21.7	29.7	2.4	-149.5
0868	NSSD24	2	78	71	0638	3 SEP 1980	247	21:42:53	146.0	46080.1	-36.2	35.3	2.4	-148.2
0869	NSSD24	3	63	33	0638	4 SEP 1980	248	02:16:56	160.4	63695.8	-21.8	29.7	2.4	-147.9
0885	NSSD24	4	183	38	0646	11 SEP 1980	255	12:09:05	157.5	50778.7	3.3	22.0	1.8	-136.1
0887	NSSD24	5	194	41	0647	12 SEP 1980	256	12:11:15	155.9	50837.0	3.3	22.0	1.7	-134.5
0889	NSSD24	6	207	44	0648	13 SEP 1980	257	12:13:32	154.4	50955.0	3.2	22.0	1.6	-132.9
0891	NSSD24	7	214	46	0649	14 SEP 1980	258	12:15:42	152.9	51013.3	3.2	22.1	1.6	-131.2
0893	NSSD24	8	217	48	0650	15 SEP 1980	259	12:17:54	151.3	51071.4	3.2	22.1	1.5	-129.6
0895	NSSD24	9	222	51	0651	16 SEP 1980	260	12:20:22	149.8	51070.2	3.2	22.1	1.4	-128.0
0897	NSSD24	10	227	52	0652	17 SEP 1980	261	12:22:49	148.2	51128.5	3.2	22.1	1.3	-126.4
0899	NSSD24	11	229	54	0653	18 SEP 1980	262	12:25:24	146.6	51101.2	3.2	22.1	1.2	-124.8
0901	NSSD24	12	232	56	0654	19 SEP 1980	263	12:27:58	145.1	51190.2	3.1	22.1	1.1	-123.2
0903	NSSD24	13	232	58	0655	20 SEP 1980	264	12:30:31	143.5	51160.1	3.2	22.1	1.0	-121.6
0905	NSSD24	14	227	59	0656	21 SEP 1980	265	12:57:46	141.2	49034.8	4.8	21.7	0.9	-120.0
0907	NSSD25	1	230	62	0657	22 SEP 1980	266	13:00:29	139.7	49002.5	4.8	21.7	0.9	-118.4
0909	NSSD25	2	227	63	0658	23 SEP 1980	267	13:03:15	138.1	48970.2	4.8	21.7	0.8	-116.7
0911	NSSD25	3	230	65	0659	24 SEP 1980	268	13:06:04	136.5	48970.2	4.9	21.7	0.7	-115.1
0915	NSSD25	4	233	69	0661	26 SEP 1980	270	13:12:17	133.3	48938.2	4.9	21.7	0.5	-111.9
0917	NSSD25	5	237	73	0662	27 SEP 1980	271	13:15:09	131.8	48906.3	4.9	21.7	0.4	-110.3
0919	NSSD25	6	242	75	0663	28 SEP 1980	272	13:18:01	130.2	48878.0	5.0	21.7	0.3	-108.7
0921	NSSD25	7	242	79	0664	29 SEP 1980	273	13:21:14	128.6	48847.1	5.0	21.7	0.2	-107.1
0923	NSSD25	8	241	80	0665	30 SEP 1980	274	13:24:21	127.0	48847.7	5.0	21.7	0.1	-105.4
0925	NSSD25	9	239	82	0666	1 OCT 1980	275	13:27:37	125.4	48783.6	5.1	21.7	0.0	-103.8
0927	NSSD25	10	242	86	0667	2 OCT 1980	276	13:30:42	123.8	48751.9	5.1	21.7	-0.1	-102.2
0929	NSSD25	11	243	89	0668	3 OCT 1980	277	13:33:51	122.2	48720.4	5.1	21.7	-0.2	-100.6
0931	NSSD25	12	238	90	0669	4 OCT 1980	278	13:37:03	120.6	48623.7	5.2	21.7	-0.3	-99.0
0933	NSSD25	13	241	93	0670	5 OCT 1980	279	13:40:14	119.0	48592.0	5.2	21.7	-0.4	-97.4
0935	NSSD26	1	244	97	0671	6 OCT 1980	280	13:43:27	117.4	48560.3	5.2	21.7	-0.5	-95.8
0937	NSSD26	2	242	102	0673	8 OCT 1980	282	13:49:57	114.2	48468.5	5.3	21.8	-0.7	-92.5
0939	NSSD26	3	242	106	0674	9 OCT 1980	283	13:53:17	112.6	48338.3	5.4	21.7	-0.8	-90.9
0941	NSSD26	4	240	107	0675	10 OCT 1980	284	13:56:36	111.0	48339.3	5.4	21.7	-0.9	-89.3
0943	NSSD26	5	241	111	0676	11 OCT 1980	285	13:59:55	109.4	48274.4	5.5	21.7	-0.9	-87.7
0945	NSSD26	6	242	114	0677	12 OCT 1980	286	14:03:19	107.8	48143.2	5.6	21.7	-1.0	-86.0
0946	NSSD26	7	311	122	0678	13 OCT 1980	287	09:21:39	110.0	64651.1	-8.9	25.7	-1.1	-84.7
0947	NSSD26	8	239	116	0678	13 OCT 1980	287	14:06:37	106.2	48111.1	5.6	21.7	-1.1	-84.4
0949	NSSD26	9	239	120	0679	14 OCT 1980	288	14:10:16	104.6	47979.0	5.7	21.7	-1.2	-82.8
0950	NSSD26	10	307	127	0680	15 OCT 1980	289	09:29:53	106.8	64566.6	-8.8	25.7	-1.3	-81.5
0953	NSSD26	11	238	126	0681	16 OCT 1980	290	14:16:52	101.4	47914.1	5.7	21.7	-1.4	-79.5
0954	NSSD26	12	129	147	0681	16 OCT 1980	290	17:28:35	93.9	22070.5	29.7	14.4	-1.4	-79.3
0957	NSSD26	13	274	132	0682	17 OCT 1980	291	12:41:01	101.4	55796.8	-0.2	23.3	-1.5	-78.0
0958	NSSD26	14	171	129	0682	17 OCT 1980	291	16:26:08	96.2	32797.6	17.9	18.3	-1.5	-77.8
0959	NSSD27	1	190	149	0682	17 OCT 1980	291	22:20:18	107.1	36546.5	-43.4	38.1	-1.5	-77.4
0960	NSSD27	2	283	137	0682	18 OCT 1980	292	02:10:01	105.6	57833.4	-27.3	31.3	-1.5	-77.1
0962	NSSD27	3	275	135	0683	18 OCT 1980	292	12:44:42	99.7	55749.7	-0.2	23.3	-1.6	-76.4
0963	NSSD27	4	174	136	0683	18 OCT 1980	292	16:29:07	94.7	32695.0	18.0	18.3	-1.6	-76.2
0965	NSSD27	5	283	141	0683	19 OCT 1980	293	02:13:39	104.1	57876.5	-27.2	31.3	-1.6	-75.5
0966	NSSD27	6	318	141	0684	19 OCT 1980	293	07:37:53	101.5	66514.6	-13.7	27.1	-1.6	-75.1
0967	NSSD27	7	272	138	0684	19 OCT 1980	293	12:48:11	98.1	55654.2	-0.1	23.3	-1.7	-74.8
0970	NSSD27	8	281	143	0684	20 OCT 1980	294	02:17:18	102.6	57961.5	-27.2	31.3	-1.7	-73.9
0971	NSSD27	9	315	143	0685	20 OCT 1980	294	07:41:57	99.9	66507.3	-13.6	27.1	-1.7	-73.5
0972	NSSD27	10	268	140	0685	20 OCT 1980	294	12:51:55	96.5	55606.7	-0.1	23.3	-1.7	-73.2
0973	NSSD27	11	174	143	0685	20 OCT 1980	294	16:35:01	91.6	32540.7	18.1	18.2	-1.7	-72.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
0975	NSSD27	12	280	145	0685	21 OCT 1980	295	02:21:17	101.2	58046.2	-27.1	31.2	-1.8	-72.2
0976	NSSD27	13	319	148	0686	21 OCT 1980	295	07:46:16	98.2	66497.6	-13.5	27.0	-1.8	-71.9
0977	NSSD27	14	269	142	0686	21 OCT 1980	295	12:55:38	94.8	55534.7	0.0	23.3	-1.8	-71.5
0978	NSSD28	1	173	145	0686	21 OCT 1980	295	16:37:58	90.2	32696.5	18.0	18.3	-1.8	-71.3
0981	NSSD28	2	319	151	0687	22 OCT 1980	296	07:50:20	96.6	66490.9	-13.5	27.0	-1.9	-70.3
0982	NSSD28	3	263	143	0687	22 OCT 1980	296	12:59:13	93.2	55438.1	0.0	23.3	-1.9	-69.9
0983	NSSD28	4	172	148	0687	22 OCT 1980	296	16:40:54	88.6	32593.5	18.1	18.3	-1.9	-69.7
0985	NSSD28	5	285	154	0687	23 OCT 1980	297	02:28:51	98.2	58151.2	-27.0	31.2	-1.9	-69.0
0986	NSSD28	6	314	152	0688	23 OCT 1980	297	07:54:30	95.0	66481.7	-13.4	27.0	-2.0	-68.6
0987	NSSD28	7	269	150	0688	23 OCT 1980	297	13:03:00	91.6	55318.6	0.1	23.3	-2.0	-68.3
0989	NSSD28	8	286	157	0688	24 OCT 1980	298	02:32:57	96.7	58254.3	-26.9	31.2	-2.0	-67.4
0991	NSSD28	9	272	154	0689	24 OCT 1980	298	13:06:52	89.9	55295.1	0.1	23.3	-2.1	-66.7
0992	NSSD28	10	169	153	0689	24 OCT 1980	298	16:46:59	85.6	32446.2	18.2	18.2	-2.1	-66.4
0995	NSSD28	11	226	120	0690	25 OCT 1980	299	08:03:23	91.8	66458.8	-13.3	27.0	-2.1	-65.4
0997	NSSD28	12	234	158	0691	26 OCT 1980	300	14:51:05	85.2	46938.9	6.4	21.6	-2.2	-63.3
0998	NSSD28	13	231	160	0692	27 OCT 1980	301	14:54:25	83.6	46938.9	6.4	21.6	-2.3	-61.7
0999	NSSD28	14	234	165	0693	28 OCT 1980	302	14:57:42	82.0	46869.6	6.4	21.6	-2.4	-60.0
1000	NSSD29	1	233	168	0694	29 OCT 1980	303	15:01:04	80.3	46730.6	6.5	21.6	-2.4	-58.4
1002	NSSD29	2	223	170	0696	31 OCT 1980	305	15:07:41	77.1	46621.3	6.6	21.5	-2.6	-55.2
1003	NSSD29	3	227	173	0697	1 NOV 1980	306	15:10:53	75.5	46549.9	6.6	21.5	-2.6	-53.5
1004	NSSD29	4	228	179	0698	2 NOV 1980	307	15:14:14	73.9	46444.0	6.7	21.5	-2.7	-51.9
1005	NSSD29	5	229	183	0699	3 NOV 1980	308	15:17:45	72.2	46372.8	6.8	21.5	-2.7	-50.3
1006	NSSD29	6	228	185	0700	4 NOV 1980	309	15:20:47	70.6	46336.5	6.8	21.5	-2.8	-48.6
1007	NSSD29	7	227	188	0701	5 NOV 1980	310	15:23:56	69.0	46264.9	6.8	21.4	-2.8	-47.0
1008	NSSD29	8	224	188	0702	6 NOV 1980	311	15:27:17	67.4	46122.0	6.9	21.4	-2.9	-45.4
1009	NSSD29	9	228	198	0704	8 NOV 1980	313	15:33:42	64.2	46047.7	7.0	21.4	-3.0	-42.1
1010	NSSD29	10	226	200	0705	9 NOV 1980	314	15:36:50	62.6	45974.9	7.0	21.4	-3.0	-40.5
1011	NSSD29	11	226	202	0706	10 NOV 1980	315	15:40:00	60.9	45830.0	7.1	21.3	-3.1	-38.9
1021	NSSD29	12	295	232	0719	23 NOV 1980	328	11:34:59	43.4	63754.0	-7.9	25.4	-3.4	-18.0
1024	NSSD29	13	232	238	0721	25 NOV 1980	330	15:58:45	37.1	47916.7	5.6	21.6	-3.4	-14.5
1026	NSSD30	1	246	254	0722	27 NOV 1980	332	02:15:42	51.9	50686.6	-32.8	33.7	-3.4	-12.2
1028	NSSD30	2	225	191	0723	28 NOV 1980	333	08:02:23	39.8	66218.0	-16.8	28.1	-3.4	-10.1
1032	NSSD30	3	242	259	0726	1 DEC 1980	336	02:28:03	47.0	50819.9	-32.7	33.7	-3.4	-5.7
1036	NSSD30	4	238	261	0729	4 DEC 1980	339	02:37:08	43.6	50868.0	-32.6	33.7	-3.3	-0.8
1038	NSSD30	5	235	264	0730	5 DEC 1980	340	02:31:17	43.0	50107.5	-33.2	33.9	-3.3	0.8
1039	NSSD30	6	295	256	0730	5 DEC 1980	340	07:06:22	31.8	64882.6	-19.8	29.0	-3.3	1.1
1044	NSSD30	7	235	265	0733	8 DEC 1980	343	02:48:11	39.4	50821.1	-32.6	33.7	-3.2	5.7
1048	NSSD30	8	244	270	0736	11 DEC 1980	346	03:25:59	35.0	53139.6	-30.9	33.1	-3.1	10.6
1051	NSSD30	9	248	276	0738	13 DEC 1980	348	03:30:55	33.3	53077.4	-30.9	33.1	-3.0	13.8
1054	NSSD30	10	243	273	0740	15 DEC 1980	350	03:35:14	31.9	52988.1	-31.0	33.1	-2.9	17.1
1055	NSSD30	11	225	248	0741	15 DEC 1980	350	16:55:06	9.6	47697.8	6.1	21.3	-2.9	17.9
1056	NSSD30	12	234	276	0742	17 DEC 1980	352	03:14:29	32.3	50815.7	-32.5	33.7	-2.8	20.3
1058	NSSD30	13	282	248	0743	17 DEC 1980	352	12:42:46	6.4	63627.2	-7.5	25.3	-2.8	20.9
1059	NSSD30	14	230	250	0743	17 DEC 1980	352	16:58:33	8.7	47957.1	5.9	21.4	-2.8	21.2
1060	NSSD31	1	234	278	0743	18 DEC 1980	353	03:16:56	31.8	50752.5	-32.6	33.8	-2.8	21.9
1062	NSSD31	2	285	254	0744	18 DEC 1980	353	12:43:57	5.6	63680.7	-7.6	25.3	-2.7	22.5
1063	NSSD31	3	226	247	0744	18 DEC 1980	353	17:00:04	8.7	48019.9	5.9	21.4	-2.7	22.8
1066	NSSD31	4	303	263	0745	19 DEC 1980	354	10:52:55	9.9	66107.1	-12.2	26.7	-2.7	24.0
1067	NSSD31	5	255	253	0745	19 DEC 1980	354	15:50:10	4.3	54090.2	1.3	22.7	-2.7	24.3
1068	NSSD31	6	164	246	0745	19 DEC 1980	354	19:08:22	21.5	33405.9	17.7	17.7	-2.7	24.5
1070	NSSD31	7	274	267	0745	20 DEC 1980	355	06:00:46	22.2	61007.1	-24.2	30.6	-2.6	25.3
1071	NSSD31	8	307	266	0746	20 DEC 1980	355	10:53:43	9.7	66121.6	-12.3	26.7	-2.6	25.6
1072	NSSD31	9	242	237	0746	20 DEC 1980	355	15:51:26	5.0	54213.2	1.2	22.7	-2.6	25.9
1073	NSSD31	10	164	244	0746	20 DEC 1980	355	19:10:25	21.9	33497.2	17.6	17.8	-2.6	26.2
1074	NSSD31	11	192	280	0746	21 DEC 1980	356	02:00:32	37.2	42470.2	-38.7	36.5	-2.6	26.6

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1075	NSSD31	12	275	268	0746	21 DEC 1980	356	06:02:20	22.0	60955.0	-24.3	30.6	-2.6	26.9
1076	NSSD31	13	301	262	0747	21 DEC 1980	356	10:56:33	9.7	66118.3	-12.3	26.7	-2.6	27.2
1077	NSSD31	14	254	251	0747	21 DEC 1980	356	15:52:29	6.0	54365.1	1.1	22.7	-2.5	27.5
1078	NSSD32	1	161	240	0747	21 DEC 1980	356	19:12:20	22.4	33651.2	17.5	17.8	-2.5	27.8
1079	NSSD32	2	192	281	0747	22 DEC 1980	357	02:02:40	37.0	42347.7	-38.8	36.6	-2.5	28.2
1080	NSSD32	3	270	263	0747	22 DEC 1980	357	06:03:21	21.9	60852.6	-24.3	30.6	-2.5	28.5
1081	NSSD32	4	302	262	0748	22 DEC 1980	357	10:54:56	10.1	66163.2	-12.4	26.7	-2.5	28.8
1082	NSSD32	5	205	278	0748	23 DEC 1980	358	02:35:09	34.3	45553.0	-36.4	35.4	-2.5	29.9
1083	NSSD32	6	272	259	0748	23 DEC 1980	358	06:37:13	20.5	62217.4	-22.9	30.1	-2.4	30.1
1084	NSSD32	7	295	257	0749	23 DEC 1980	358	11:32:59	9.5	65718.9	-11.0	26.3	-2.4	30.5
1085	NSSD32	8	204	279	0749	24 DEC 1980	359	02:36:59	34.3	45370.4	-36.5	35.5	-2.4	31.5
1086	NSSD32	9	279	266	0749	24 DEC 1980	359	06:37:56	20.7	62100.0	-23.0	30.2	-2.4	31.7
1087	NSSD32	10	298	257	0750	24 DEC 1980	359	11:33:16	10.4	65743.6	-11.1	26.3	-2.4	32.1
1088	NSSD32	11	205	279	0750	25 DEC 1980	360	02:39:06	34.2	45403.8	-36.4	35.4	-2.3	33.1
1089	NSSD32	12	267	252	0750	25 DEC 1980	360	06:39:02	21.0	62053.8	-23.1	30.2	-2.3	33.3
1090	NSSD32	13	295	257	0751	25 DEC 1980	360	11:33:44	11.5	65783.7	-11.2	26.4	-2.3	33.7
1091	NSSD32	14	120	254	0751	25 DEC 1980	360	20:28:50	36.7	23229.9	28.9	13.9	-2.3	34.3
1092	NSSD33	1	268	255	0751	26 DEC 1980	361	06:39:49	21.4	61934.3	-23.2	30.2	-2.2	34.9
1093	NSSD33	2	300	259	0752	26 DEC 1980	361	11:33:56	12.6	65822.5	-11.2	26.4	-2.2	35.3
1094	NSSD33	3	202	277	0752	27 DEC 1980	362	02:42:53	34.5	45108.9	-36.6	35.5	-2.2	36.3
1095	NSSD33	4	276	263	0752	27 DEC 1980	362	06:40:32	21.9	61857.9	-23.2	30.2	-2.2	36.6
1096	NSSD33	5	299	257	0753	27 DEC 1980	362	11:34:06	13.9	65845.0	-11.3	26.4	-2.1	36.9
1097	NSSD33	6	201	276	0753	28 DEC 1980	363	02:44:47	34.7	45033.8	-36.7	35.5	-2.1	37.9
1098	NSSD33	7	273	260	0753	28 DEC 1980	363	06:41:18	22.6	61781.1	-23.3	30.2	-2.1	38.2
1099	NSSD33	8	298	257	0754	28 DEC 1980	363	11:34:12	15.2	65881.8	-11.4	26.4	-2.1	38.5
1100	NSSD33	9	185	277	0754	29 DEC 1980	364	02:17:13	37.2	41771.3	-39.1	36.7	-2.0	39.5
1102	NSSD33	10	303	261	0755	29 DEC 1980	364	10:56:23	17.0	66280.9	-13.0	26.9	-2.0	40.0
1103	NSSD33	11	255	245	0755	29 DEC 1980	364	15:58:14	17.5	55532.7	0.4	23.0	-2.0	40.4
1104	NSSD33	12	168	238	0755	29 DEC 1980	364	19:26:33	29.0	34869.3	16.7	18.2	-2.0	40.6
1105	NSSD33	13	185	278	0755	30 DEC 1980	365	02:19:08	37.5	41648.4	-39.2	36.7	-2.0	41.1
1106	NSSD33	14	268	262	0755	30 DEC 1980	365	06:10:19	25.2	60061.5	-25.0	30.8	-1.9	41.3
1120	NSSD34	2	182	273	0758	2 JAN 1981	002	02:24:23	38.7	41236.9	-39.5	36.8	-1.7	45.9
1121	NSSD34	3	262	257	0758	2 JAN 1981	002	06:11:29	27.8	59678.1	-25.3	30.9	-1.7	46.1
1122	NSSD34	4	301	257	0759	2 JAN 1981	002	10:54:53	22.5	66336.3	-13.5	27.1	-1.7	46.4
1123	NSSD34	5	262	246	0759	2 JAN 1981	002	15:59:13	23.7	56231.8	-0.1	23.2	-1.7	46.8
1124	NSSD34	6	169	233	0759	2 JAN 1981	002	19:32:47	33.4	35633.6	16.1	18.4	-1.7	47.0
1125	NSSD34	7	181	272	0759	3 JAN 1981	003	02:26:11	39.2	41153.6	-39.6	36.8	-1.6	47.5
1126	NSSD34	8	263	258	0759	3 JAN 1981	003	06:11:59	28.8	59529.3	-25.4	30.9	-1.6	47.7
1127	NSSD34	9	298	253	0760	3 JAN 1981	003	10:54:36	23.9	66343.8	-13.6	27.1	-1.6	48.0
1128	NSSD35	1	255	240	0760	3 JAN 1981	003	15:59:32	25.2	56414.2	-0.3	23.2	-1.6	48.4
1129	NSSD35	2	172	235	0760	3 JAN 1981	003	19:34:22	34.6	35727.7	16.0	18.4	-1.6	48.6
1130	NSSD35	3	179	268	0760	4 JAN 1981	004	02:27:56	39.8	40946.9	-39.7	36.9	-1.5	49.1
1131	NSSD35	4	262	256	0760	4 JAN 1981	004	06:12:17	29.8	59435.2	-25.5	31.0	-1.5	49.3
1132	NSSD35	5	300	254	0761	4 JAN 1981	004	10:53:50	25.4	66352.5	-13.7	27.1	-1.5	49.6
1133	NSSD35	6	262	244	0761	4 JAN 1981	004	15:59:15	26.7	56594.8	-0.4	23.2	-1.5	50.0
1134	NSSD35	7	169	226	0761	4 JAN 1981	004	19:35:34	35.8	35963.6	15.8	18.5	-1.5	50.2
1136	NSSD35	8	261	254	0761	5 JAN 1981	005	06:11:53	30.9	59227.2	-25.7	31.0	-1.4	50.9
1137	NSSD35	9	298	251	0762	5 JAN 1981	005	10:52:22	26.8	66358.5	-13.9	27.2	-1.4	51.2
1138	NSSD35	10	262	242	0762	5 JAN 1981	005	15:58:33	28.3	56840.6	-0.6	23.3	-1.4	51.6
1143	NSSD35	11	195	202	0763	6 JAN 1981	006	17:19:31	31.7	51100.5	3.9	22.0	-1.3	53.3
1147	NSSD35	12	253	225	0764	7 JAN 1981	007	12:38:47	29.7	65265.8	-9.8	26.0	-1.3	54.5
1153	NSSD35	13	223	231	0765	8 JAN 1981	008	18:03:40	36.0	47683.6	6.5	21.3	-1.1	56.5
1155	NSSD35	14	279	252	0765	9 JAN 1981	009	08:13:34	33.7	63900.3	-20.6	29.3	-1.1	57.4
1162	NSSD36	1	205	271	0767	11 JAN 1981	011	03:29:46	42.3	45596.1	-36.2	35.1	-0.9	60.3
1166	NSSD36	2	205	271	0768	12 JAN 1981	012	03:30:35	43.3	45416.3	-36.3	35.1	-0.8	61.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1190	NSSD36	3	204	263	0774	18 JAN 1981	018	03:34:36	49.7	44130.3	-37.3	35.5	-0.3	71.4
1197	NSSD36	4	232	215	0776	19 JAN 1981	019	18:24:21	52.7	48513.3	6.0	21.6	-0.1	74.0
1198	NSSD36	5	200	254	0776	20 JAN 1981	020	03:35:15	52.0	43639.0	-37.6	35.6	-0.1	74.6
1201	NSSD36	6	227	207	0777	20 JAN 1981	020	18:23:58	54.1	48868.9	5.8	21.7	0.0	75.6
1206	NSSD36	7	200	251	0778	22 JAN 1981	022	03:35:55	54.3	43063.8	-38.1	35.7	0.1	77.8
1210	NSSD36	8	198	248	0779	23 JAN 1981	023	03:36:25	55.5	42909.2	-38.2	35.8	0.2	79.4
1214	NSSD36	9	207	243	0780	24 JAN 1981	024	03:55:01	56.3	44654.5	-36.9	35.2	0.3	81.0
1218	NSSD36	10	206	240	0782	25 JAN 1981	025	03:54:58	57.6	44284.1	-37.1	35.3	0.4	82.6
1246	NSSD36	11	201	221	0788	1 FEB 1981	032	03:55:46	66.1	42405.7	-38.6	35.8	1.0	93.7
1247	NSSD36	12	283	208	0788	1 FEB 1981	032	08:04:07	66.6	61237.5	-23.7	30.2	1.0	93.9
1250	NS3D36	13	196	216	0789	2 FEB 1981	033	03:55:58	67.4	42128.6	-38.8	35.9	1.1	95.2
1252	NSSD36	14	299	194	0790	2 FEB 1981	033	13:28:54	70.2	65639.4	-10.5	26.3	1.1	95.9
1253	NSSD37	1	239	178	0790	2 FEB 1981	033	18:35:12	74.0	50799.4	4.3	22.2	1.2	96.2
1254	NSSD37	2	200	215	0790	3 FEB 1981	034	03:56:06	68.6	41969.6	-39.0	36.0	1.2	96.8
1257	NSSD37	3	224	170	0791	3 FEB 1981	034	18:34:20	75.5	51096.3	4.1	22.3	1.3	97.8
1258	NSSD37	4	199	213	0791	4 FEB 1981	035	03:56:27	69.8	41688.8	-39.2	36.0	1.3	98.4
1266	NSSD37	5	226	214	0793	6 FEB 1981	037	04:50:00	72.6	46905.4	-35.4	34.3	1.5	101.6
1267	NSSD37	6	284	193	0793	6 FEB 1981	037	09:01:52	74.3	63051.1	-22.1	29.5	1.5	101.9
1268	NSSD37	7	281	175	0794	6 FEB 1981	037	14:36:50	77.1	64308.1	-8.7	25.6	1.5	102.3
1269	NSSD37	8	211	156	0794	6 FEB 1981	037	19:43:10	81.4	45251.4	7.7	21.1	1.5	102.6
1273	NSSD37	9	223	158	0795	7 FEB 1981	038	19:36:19	82.8	45995.0	7.8	21.3	1.6	104.2
1274	NSSD37	10	220	205	0795	8 FEB 1981	039	04:45:23	75.1	46205.5	-35.8	34.5	1.6	104.8
1275	NSSD37	11	287	188	0795	8 FEB 1981	039	08:49:27	77.1	62513.3	-22.3	29.7	1.6	105.1
1276	NSSD37	12	300	176	0796	8 FEB 1981	039	14:17:58	80.0	64825.2	-9.0	25.8	1.7	105.4
1277	NSSD37	13	227	157	0796	8 FEB 1981	039	19:30:17	84.2	46684.9	7.4	21.4	1.7	105.8
1278	NSSD37	14	217	203	0796	9 FEB 1981	040	04:42:35	76.4	45781.5	-36.1	34.7	1.7	106.4
1280	NSSD38	1	299	173	0797	9 FEB 1981	040	14:13:17	81.5	64949.5	-9.2	25.9	1.7	107.0
1281	NSSD38	2	227	154	0797	9 FEB 1981	040	19:28:42	85.6	47032.6	7.1	21.5	1.8	107.3
1285	NSSD38	3	228	151	0798	10 FEB 1981	041	19:26:29	87.1	47336.2	6.9	21.6	1.8	108.9
1297	NSSD38	4	232	143	0801	13 FEB 1981	044	19:20:10	91.6	48239.0	6.2	21.8	2.1	113.7
1299	NSSD38	5	286	172	0801	14 FEB 1981	045	08:24:25	85.7	61172.9	-23.8	30.2	2.1	114.5
1300	NSSD38	6	304	160	0802	14 FEB 1981	045	13:49:59	89.0	65544.3	-10.4	26.3	2.1	114.9
1304	NSSD38	7	305	157	0803	15 FEB 1981	046	13:44:18	90.5	65649.8	-10.7	26.3	2.2	116.5
1309	NSSD38	8	232	132	0804	16 FEB 1981	047	19:13:17	96.2	49203.8	5.4	22.0	2.3	118.4
1313	NSSD38	9	238	132	0805	17 FEB 1981	048	19:11:04	97.7	49487.6	5.2	22.1	2.4	120.0
1314	NSSD38	10	281	158	0805	18 FEB 1981	049	08:08:15	91.3	60204.3	-24.8	30.5	2.4	120.8
1323	NSSD38	11	241	123	0808	20 FEB 1981	051	19:03:08	102.2	50466.1	4.5	22.3	2.5	124.7
1327	NSSD38	12	240	120	0809	21 FEB 1981	052	19:00:33	103.7	50823.7	4.2	22.3	2.6	126.3
1330	NSSD38	13	243	118	0810	22 FEB 1981	053	18:58:37	105.2	51088.8	4.0	22.4	2.7	127.9
1338	NSSD38	14	239	111	0812	24 FEB 1981	055	19:16:46	108.6	49728.1	5.0	22.1	2.8	131.0
1342	NSSD39	1	240	109	0813	25 FEB 1981	056	19:14:56	110.1	50004.4	4.8	22.1	2.8	132.6
1347	NSSD39	2	215	141	0814	27 FEB 1981	058	05:27:17	100.6	48137.0	-34.4	34.0	2.9	134.9
1350	NSSD39	3	231	99	0815	27 FEB 1981	058	19:23:54	113.4	49412.6	5.2	22.0	2.9	135.8
1351	NSSD39	4	219	141	0815	28 FEB 1981	059	05:25:04	101.8	47838.2	-34.6	34.1	2.9	136.5
1353	NSSD39	5	302	117	0816	28 FEB 1981	059	14:22:35	111.1	65222.3	-9.8	26.1	3.0	137.1
1354	NSSD39	6	238	99	0816	28 FEB 1981	059	19:22:04	114.9	49598.6	5.1	22.0	3.0	137.4
1355	NSSD39	7	211	135	0816	1 MAR 1981	060	05:23:10	103.0	47502.6	-34.9	34.3	3.0	138.0
1356	NSSD39	8	284	126	0816	1 MAR 1981	060	08:50:40	107.8	61537.1	-23.5	30.1	3.0	138.3
1357	NSSD39	9	305	116	0817	1 MAR 1981	060	14:18:46	112.6	65325.5	-10.1	26.2	3.0	138.6
1360	NSSD39	10	281	122	0817	2 MAR 1981	061	08:47:10	109.2	61365.4	-23.6	30.2	3.0	139.8
1368	NSSD39	11	275	115	0819	4 MAR 1981	063	08:39:51	111.9	60881.8	-24.1	30.4	3.1	143.0
1376	NSSD39	12	270	109	0821	6 MAR 1981	065	08:33:10	114.6	60476.4	-24.5	30.5	3.2	146.2
1380	NSSD39	13	275	109	0822	7 MAR 1981	066	08:30:45	115.9	60267.6	-24.7	30.6	3.2	147.7
1381	NSSD39	14	294	96	0823	7 MAR 1981	066	14:33:22	122.1	65148.3	-9.7	26.1	3.2	148.1
1382	NSSD40	1	234	81	0823	7 MAR 1981	066	19:31:48	125.9	49552.4	5.1	22.0	3.2	148.5

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1398	NSSD40	2	288	97	0827	12 MAR 1981	071	09:19:31	124.1	62171.4	-22.8	30.0	3.3	155.7
1402	NSSD40	3	279	93	0828	13 MAR 1981	072	09:16:28	125.4	61982.0	-23.0	30.1	3.4	157.3
1411	NSSD40	4	221	83	0892	15 MAY 1981	135	21:02:43	122.6	48875.6	6.6	21.6	-0.2	-101.2
1414	NSSD40	5	222	86	0893	16 MAY 1981	136	21:05:27	121.0	48589.6	6.8	21.6	-0.3	-99.6
1420	NSSD40	6	217	89	0895	18 MAY 1981	138	21:10:20	117.7	48106.1	7.2	21.5	-0.4	-96.4
1427	NSSD40	7	254	95	0897	20 MAY 1981	140	16:29:38	118.6	64200.0	-7.6	25.5	-0.6	-93.5
1433	NSSD40	8	191	105	0898	22 MAY 1981	142	06:45:15	117.7	46302.5	-35.3	34.4	-0.8	-90.9
1434	NSSD40	9	243	100	0898	22 MAY 1981	142	10:36:20	117.6	61896.9	-22.3	29.8	-0.8	-90.6
1435	NSSD40	10	259	101	0899	22 MAY 1981	142	16:03:05	115.6	64828.3	-8.7	25.8	-0.8	-90.3
1438	NSSD40	11	249	105	0899	23 MAY 1981	143	10:40:23	116.1	62052.9	-22.1	29.7	-0.9	-89.0
1439	NSSD40	12	258	104	0900	23 MAY 1981	143	16:07:30	114.0	64743.6	-8.5	25.8	-0.9	-88.6
1440	NSSD40	13	205	101	0900	23 MAY 1981	143	20:59:27	110.0	49045.7	6.4	21.7	-0.9	-88.3
1444	NSSD40	14	206	104	0901	24 MAY 1981	144	21:02:38	108.4	48761.3	6.7	21.7	-1.0	-86.7
1448	NSSD41	1	206	108	0902	25 MAY 1981	145	21:05:55	106.7	48473.7	6.9	21.7	-1.1	-85.1
1450	NSSD41	2	207	100	0902	26 MAY 1981	146	10:53:52	111.5	62582.5	-21.5	29.5	-1.1	-84.1
1451	NSSD41	3	223	101	0903	26 MAY 1981	146	16:56:41	108.7	63385.2	-6.4	25.2	-1.2	-83.7
1460	NSSD41	4	217	118	0905	28 MAY 1981	148	20:46:28	102.3	50102.1	5.6	22.0	-1.4	-80.2
1461	NSSD41	5	128	91	0905	29 MAY 1981	149	06:39:53	108.5	45818.3	-35.7	34.5	-1.4	-79.6
1462	NSSD41	6	247	121	0905	29 MAY 1981	149	09:23:56	107.5	58442.6	-25.7	30.9	-1.4	-79.4
1464	NSSD41	7	222	121	0906	29 MAY 1981	149	20:26:18	101.1	51744.8	4.3	22.4	-1.4	-78.6
1467	NSSD41	8	213	119	0907	30 MAY 1981	150	20:29:40	99.4	51517.6	4.5	22.3	-1.5	-77.0
1470	NSSD41	9	222	128	0908	31 MAY 1981	151	20:32:56	97.8	51230.5	4.7	22.3	-1.6	-75.4
1474	NSSD41	10	215	127	0909	1 JUN 1981	152	20:35:53	96.1	50998.2	4.9	22.2	-1.7	-73.8
1480	NSSD41	11	247	137	0910	3 JUN 1981	154	09:13:29	100.2	57923.4	-26.2	31.0	-1.8	-71.3
1483	NSSD41	12	220	137	0911	3 JUN 1981	154	20:42:05	92.8	50347.4	5.4	22.1	-1.9	-70.5
1488	NSSD41	13	249	144	0912	5 JUN 1981	156	09:20:01	97.2	58347.9	-25.8	30.9	-2.0	-68.0
1496	NSSD41	14	246	151	0914	7 JUN 1981	158	08:58:19	94.4	57104.4	-26.9	31.3	-2.1	-64.8
1497	NSSD42	1	280	153	0915	7 JUN 1981	158	14:43:12	90.7	65961.7	-11.9	26.7	-2.2	-64.4
1498	NSSD42	2	221	149	0915	7 JUN 1981	158	20:28:31	86.6	51435.3	4.5	22.4	-2.2	-64.1
1506	NSSD42	3	218	152	0917	9 JUN 1981	160	20:34:04	83.3	50883.1	4.9	22.3	-2.3	-60.8
1512	NSSD42	4	252	166	0918	11 JUN 1981	162	09:13:10	88.3	58026.4	-26.2	31.0	-2.4	-58.3
1513	NSSD42	5	262	158	0919	11 JUN 1981	162	15:02:12	84.1	65779.0	-11.1	26.5	-2.4	-57.9
1517	NSSD42	6	276	168	0920	12 JUN 1981	163	15:06:50	82.4	65725.8	-11.0	26.5	-2.5	-56.3
1518	NSSD42	7	218	164	0920	12 JUN 1981	163	20:42:48	78.3	50166.6	5.5	22.1	-2.5	-55.9
1519	NSSD42	8	129	121	0920	13 JUN 1981	164	06:36:04	88.3	45892.2	-35.7	34.5	-2.5	-55.2
1520	NSSD42	9	251	170	0920	13 JUN 1981	164	09:20:50	85.2	58465.8	-25.8	30.9	-2.6	-55.1
1521	NSSD42	10	275	170	0921	13 JUN 1981	164	15:11:56	80.8	65659.6	-10.8	26.4	-2.6	-54.7
1522	NSSD42	11	217	167	0921	13 JUN 1981	164	20:45:36	76.7	49862.0	5.7	22.0	-2.6	-54.3
1524	NSSD42	12	254	175	0921	14 JUN 1981	165	09:24:18	83.7	58719.0	-25.6	30.8	-2.6	-53.4
1529	NSSD42	13	264	168	0923	15 JUN 1981	166	15:20:44	77.5	65531.7	-10.4	26.3	-2.7	-51.4
1534	NSSD42	14	211	172	0924	16 JUN 1981	167	20:43:05	71.9	49981.4	5.6	22.1	-2.8	-49.4
1537	NSSD43	1	278	180	0925	17 JUN 1981	168	14:46:01	74.7	65911.7	-11.7	26.7	-2.8	-48.2
1538	NSSD43	2	221	180	0925	17 JUN 1981	168	20:31:51	70.4	50965.8	4.8	22.3	-2.8	-47.8
1544	NSSD43	3	247	185	0926	19 JUN 1981	170	09:06:51	76.6	57752.7	-26.4	31.1	-2.9	-45.3
1545	NSSD43	4	276	187	0927	19 JUN 1981	170	14:55:24	71.3	65823.9	-11.4	26.6	-2.9	-44.9
1548	NSSD43	5	234	176	0927	20 JUN 1981	171	09:10:14	75.1	57977.2	-26.2	31.1	-2.9	-43.7
1552	NSSD43	6	242	186	0928	21 JUN 1981	172	09:13:14	73.5	58157.8	-26.1	31.0	-3.0	-42.1
1553	NSSD43	7	272	189	0929	21 JUN 1981	172	15:03:01	68.0	65728.0	-11.1	26.5	-3.0	-41.7
1554	NSSD43	8	217	192	0929	21 JUN 1981	172	20:41:21	63.9	50065.9	5.5	22.1	-3.0	-41.3
1560	NSSD43	9	278	198	0931	23 JUN 1981	174	14:34:35	65.2	65982.7	-12.2	26.9	-3.1	-38.5
1565	NSSD43	10	250	205	0932	25 JUN 1981	176	09:06:41	67.8	57803.1	-26.4	31.2	-3.2	-35.6
1566	NSSD43	11	275	202	0933	25 JUN 1981	176	14:41:38	61.9	65928.3	-11.9	26.8	-3.2	-35.2
1572	NSSD43	12	242	205	0934	27 JUN 1981	178	09:01:38	65.1	57507.7	-26.6	31.3	-3.2	-32.3
1578	NSSD43	13	212	201	0936	28 JUN 1981	179	20:32:34	52.7	50675.3	5.0	22.1	-3.3	-29.9
1586	NSSD43	14	221	209	0938	30 JUN 1981	181	20:10:45	49.7	52465.8	3.6	22.5	-3.3	-26.7

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1589	NSSD44	1	278	219	0939	1 JUL 1981	182	14:22:32	52.7	66019.4	-12.7	27.0	-3.3	-25.5
1590	NSSD44	2	224	215	0939	1 JUL 1981	182	20:12:11	48.0	52269.7	3.8	22.5	-3.3	-25.1
1593	NSSD44	3	277	221	0940	2 JUL 1981	183	14:24:51	51.1	66006.3	-12.6	27.0	-3.3	-23.8
1594	NSSD44	4	223	216	0940	2 JUL 1981	183	20:13:33	46.4	52183.3	3.9	22.4	-3.3	-23.4
1595	NSSD44	5	232	217	0940	3 JUL 1981	184	08:46:27	57.0	56625.7	-27.4	31.6	-3.4	-22.6
1598	NSSD44	6	226	221	0941	3 JUL 1981	184	20:15:13	44.8	52012.8	4.0	22.4	-3.4	-21.8
1600	NSSD44	7	241	227	0941	4 JUL 1981	185	08:49:00	55.5	56820.7	-27.2	31.6	-3.4	-21.0
1601	NSSD44	8	276	225	0942	4 JUL 1981	185	14:30:47	47.8	65965.2	-12.3	26.9	-3.4	-20.6
1602	NSSD44	9	224	221	0942	4 JUL 1981	185	20:17:09	43.1	51840.9	4.1	22.3	-3.4	-20.2
1604	NSSD44	10	242	228	0942	5 JUL 1981	186	08:51:41	54.0	56948.5	-27.1	31.5	-3.4	-19.3
1605	NSSD44	11	278	229	0943	5 JUL 1981	186	14:33:47	46.2	65941.7	-12.2	26.8	-3.4	-19.0
1606	NSSD44	12	217	216	0943	5 JUL 1981	186	20:18:42	41.5	51750.0	4.2	22.3	-3.4	-18.6
1608	NSSD44	13	232	223	0943	6 JUL 1981	187	08:53:55	52.6	57075.6	-27.0	31.5	-3.4	-17.7
1609	NSSD44	14	278	231	0944	6 JUL 1981	187	14:36:48	44.5	65918.6	-12.0	26.8	-3.4	-17.3
1610	NSSD45	1	216	221	0944	6 JUL 1981	187	20:20:37	39.9	51575.2	4.4	22.2	-3.4	-16.9
1612	NSSD45	2	234	227	0944	7 JUL 1981	188	08:56:50	51.1	57243.4	-26.9	31.5	-3.4	-16.1
1613	NSSD45	3	280	234	0945	7 JUL 1981	188	14:39:49	42.9	65891.2	-11.9	26.8	-3.4	-15.7
1614	NSSD45	4	223	226	0945	7 JUL 1981	188	20:22:02	38.3	51428.5	4.5	22.2	-3.4	-15.3
1616	NSSD45	5	240	234	0945	8 JUL 1981	189	08:58:38	49.7	57388.1	-26.7	31.4	-3.4	-14.5
1617	NSSD45	6	275	232	0946	8 JUL 1981	189	14:41:55	41.3	65870.6	-11.8	26.7	-3.4	-14.1
1618	NSSD45	7	216	223	0946	8 JUL 1981	189	20:23:12	36.7	51309.9	4.6	22.2	-3.4	-13.7
1620	NSSD45	8	244	238	0946	9 JUL 1981	190	09:00:31	48.2	57510.5	-26.6	31.4	-3.4	-12.8
1621	NSSD45	9	271	230	0947	9 JUL 1981	190	14:43:59	39.7	65849.2	-11.7	26.7	-3.4	-12.5
1622	NSSD45	10	220	228	0947	9 JUL 1981	190	20:24:14	35.1	51219.6	4.6	22.1	-3.4	-12.1
1624	NSSD45	11	243	239	0947	10 JUL 1981	191	09:02:24	46.8	57611.0	-26.5	31.4	-3.4	-11.2
1625	NSSD45	12	278	237	0948	10 JUL 1981	191	14:46:17	38.0	65817.4	-11.6	26.7	-3.4	-10.8
1626	NSSD45	13	220	230	0948	10 JUL 1981	191	20:25:36	33.5	51128.9	4.7	22.1	-3.4	-10.4
1628	NSSD45	14	244	243	0948	11 JUL 1981	192	09:04:39	45.4	57731.3	-26.4	31.3	-3.4	-9.6
1629	NSSD46	1	277	239	0949	11 JUL 1981	192	14:48:25	36.4	65797.0	-11.5	26.7	-3.4	-9.2
1630	NSSD46	2	218	230	0949	11 JUL 1981	192	20:26:29	31.9	51037.8	4.8	22.1	-3.4	-8.8
1632	NSSD46	3	239	241	0949	12 JUL 1981	193	09:05:47	44.1	57789.1	-26.3	31.3	-3.4	-8.0
1638	NSSD46	4	218	232	0951	13 JUL 1981	194	20:27:37	28.8	50942.5	4.9	22.0	-3.4	-5.6
1640	NSSD46	5	240	245	0951	14 JUL 1981	195	09:08:17	41.4	57944.4	-26.2	31.3	-3.4	-4.7
1641	NSSD46	6	276	242	0952	14 JUL 1981	195	14:52:18	31.7	65743.1	-11.3	26.6	-3.3	-4.3
1642	NSSD46	7	218	235	0952	14 JUL 1981	195	20:28:26	27.2	50880.0	5.0	22.0	-3.3	-4.0
1645	NSSD46	8	274	243	0953	15 JUL 1981	196	14:54:10	30.1	65720.3	-11.2	26.6	-3.3	-2.7
1646	NSSD46	9	207	232	0953	15 JUL 1981	196	20:52:41	25.8	48767.5	6.6	21.5	-3.3	-2.3
1647	NSSD46	10	187	249	0953	16 JUL 1981	197	06:23:26	47.5	44917.4	-36.4	35.3	-3.3	-1.7
1648	NSSD46	11	261	248	0953	16 JUL 1981	197	10:45:20	35.3	62511.4	-21.6	29.7	-3.3	-1.4
1649	NSSD46	12	271	243	0954	16 JUL 1981	197	16:06:54	27.0	64466.3	-8.2	25.7	-3.3	-1.0
1650	NSSD46	13	210	236	0954	16 JUL 1981	197	20:53:26	24.3	48667.1	6.7	21.5	-3.3	-0.7
1651	NSSD46	14	177	250	0954	17 JUL 1981	198	06:13:17	47.2	43844.9	-37.3	35.7	-3.3	-0.1
1653	NSSD47	1	269	242	0955	17 JUL 1981	198	16:08:02	25.4	64410.5	-8.1	25.7	-3.3	0.6
1659	NSSD47	2	271	246	0957	19 JUL 1981	200	16:10:21	22.2	64358.4	-8.0	25.6	-3.2	3.8
1660	NSSD47	3	211	238	0957	19 JUL 1981	200	20:54:57	19.9	48623.3	6.8	21.4	-3.2	4.2
1661	NSSD47	4	183	260	0957	20 JUL 1981	201	06:15:55	44.2	44020.2	-37.1	35.7	-3.2	4.8
1662	NSSD47	5	255	250	0957	20 JUL 1981	201	10:50:31	30.0	62661.1	-21.3	29.7	-3.2	5.1
1663	NSSD47	6	267	243	0958	20 JUL 1981	201	16:11:02	20.6	64336.6	-8.0	25.6	-3.2	5.5
1664	NSSD47	7	210	238	0958	20 JUL 1981	201	20:55:09	18.6	48523.5	6.9	21.4	-3.2	5.8
1666	NSSD47	8	254	248	0958	21 JUL 1981	202	10:51:24	28.7	62694.7	-21.3	29.7	-3.2	6.7
1668	NSSD47	9	210	239	0959	21 JUL 1981	202	20:55:33	17.2	48519.5	6.9	21.4	-3.2	7.4
1670	NSSD47	10	247	243	0959	22 JUL 1981	203	11:40:19	25.7	64209.3	-19.1	29.0	-3.1	8.4
1672	NSSD47	11	198	242	0960	22 JUL 1981	203	21:31:20	17.2	45011.8	9.7	20.6	-3.1	9.1
1673	NSSD47	12	158	238	0960	23 JUL 1981	204	06:34:17	40.1	45958.7	-35.6	35.0	-3.1	9.7
1674	NSSD47	13	250	253	0960	23 JUL 1981	204	10:24:08	27.5	61643.6	-22.5	30.1	-3.1	9.9

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1675	NSSD48	1	268	252	0961	23 JUL 1981	204	15:50:17	16.5	64803.6	-8.8	25.9	-3.1	10.3
1676	NSSD48	2	207	238	0961	23 JUL 1981	204	20:47:18	14.4	49207.8	6.4	21.5	-3.1	10.6
1677	NSSD48	3	241	255	0961	24 JUL 1981	205	09:33:04	28.7	59258.3	-24.9	30.9	-3.1	11.5
1678	NSSD48	4	275	256	0962	24 JUL 1981	205	15:15:28	16.0	65424.1	-10.3	26.3	-3.1	11.9
1679	NSSD48	5	212	245	0962	24 JUL 1981	205	20:47:35	13.2	49204.2	6.4	21.5	-3.0	12.2
1680	NSSD48	6	245	260	0962	25 JUL 1981	206	09:34:03	27.7	59291.1	-24.8	30.9	-3.0	13.1
1682	NSSD48	7	212	245	0963	25 JUL 1981	206	20:47:40	12.1	49231.7	6.4	21.5	-3.0	13.9
1683	NSSD48	8	243	260	0963	26 JUL 1981	207	09:34:48	26.8	59287.2	-24.8	30.9	-3.0	14.7
1684	NSSD48	9	274	256	0964	26 JUL 1981	207	15:16:34	13.2	65406.0	-10.2	26.3	-3.0	15.1
1685	NSSD48	10	212	245	0964	26 JUL 1981	207	20:47:42	11.2	49228.0	6.4	21.5	-3.0	15.5
1686	NSSD48	11	244	260	0964	27 JUL 1981	208	09:35:22	25.9	59338.2	-24.7	30.9	-2.9	16.3
1687	NSSD48	12	265	249	0965	27 JUL 1981	208	15:16:41	11.9	65402.2	-10.2	26.3	-2.9	16.7
1688	NSSD48	13	212	245	0965	27 JUL 1981	208	20:47:28	10.4	49224.5	6.5	21.5	-2.9	17.1
1689	NSSD48	14	238	258	0965	28 JUL 1981	209	09:35:33	25.2	59316.4	-24.7	30.9	-2.9	17.9
1691	NSSD49	1	211	244	0966	28 JUL 1981	209	20:47:10	9.7	49252.2	6.5	21.5	-2.9	18.7
1692	NSSD49	2	242	261	0966	29 JUL 1981	210	09:35:42	24.5	59312.8	-24.7	30.9	-2.8	19.5
1693	NSSD49	3	273	256	0967	29 JUL 1981	210	15:16:14	9.7	65400.0	-10.2	26.3	-2.8	19.9
1694	NSSD49	4	209	241	0967	29 JUL 1981	210	20:46:44	9.3	49342.0	6.4	21.5	-2.8	20.3
1695	NSSD49	5	233	250	0967	30 JUL 1981	211	09:35:47	23.8	59309.3	-24.7	30.9	-2.8	21.2
1696	NSSD49	6	272	254	0968	30 JUL 1981	211	15:15:56	8.8	65411.6	-10.2	26.3	-2.8	21.5
1697	NSSD49	7	203	237	0968	30 JUL 1981	211	20:46:22	9.2	49338.8	6.4	21.5	-2.8	21.9
1698	NSSD49	8	244	263	0968	31 JUL 1981	212	09:36:13	23.3	59360.6	-24.7	30.8	-2.7	22.8
1699	NSSD49	9	272	255	0969	31 JUL 1981	212	15:16:11	8.0	65393.0	-10.1	26.2	-2.7	23.2
1700	NSSD49	10	204	239	0969	31 JUL 1981	212	20:46:24	9.4	49335.6	6.4	21.5	-2.7	23.5
1702	NSSD49	11	209	240	0970	1 AUG 1981	213	20:46:05	9.8	49363.6	6.4	21.5	-2.6	25.1
1703	NSSD49	12	183	275	0970	2 AUG 1981	214	06:19:53	35.3	44309.5	-36.8	35.6	-2.6	25.8
1704	NSSD49	13	210	243	0971	2 AUG 1981	214	20:45:35	10.4	49453.4	6.4	21.5	-2.6	26.7
1705	NSSD49	14	204	238	0972	3 AUG 1981	215	20:45:08	11.2	49450.6	6.4	21.5	-2.5	28.3
1706	NSSD50	1	207	236	0973	4 AUG 1981	216	20:44:23	12.2	49571.2	6.3	21.5	-2.5	30.0
1707	NSSD50	2	212	242	0974	5 AUG 1981	217	20:43:40	13.2	49660.7	6.3	21.5	-2.4	31.6
1708	NSSD50	3	206	237	0975	6 AUG 1981	218	20:43:09	14.5	49658.3	6.3	21.5	-2.3	33.2
1709	NSSD50	4	207	238	0976	7 AUG 1981	219	20:42:26	15.7	49747.7	6.3	21.6	-2.2	34.8
1710	NSSD50	5	208	237	0977	8 AUG 1981	220	20:42:09	17.0	49775.8	6.2	21.6	-2.2	36.4
1711	NSSD50	6	210	237	0978	9 AUG 1981	221	20:41:37	18.3	49865.1	6.2	21.6	-2.1	38.0
1712	NSSD50	7	210	237	0979	10 AUG 1981	222	20:40:20	19.7	49924.1	6.2	21.6	-2.0	39.6
1713	NSSD50	8	212	237	0980	11 AUG 1981	223	20:39:09	21.1	50043.4	6.1	21.6	-1.9	41.2
1715	NSSD50	9	212	236	0982	13 AUG 1981	225	20:37:31	24.0	50220.6	6.0	21.7	-1.8	44.4
1716	NSSD50	10	213	234	0983	14 AUG 1981	226	20:36:36	25.4	50309.1	5.9	21.7	-1.7	46.0
1717	NSSD50	11	210	229	0984	15 AUG 1981	227	20:35:26	26.9	50397.2	5.9	21.7	-1.6	47.6
1718	NSSD50	12	212	231	0985	16 AUG 1981	228	20:34:08	28.4	50455.6	5.9	21.7	-1.5	49.2
1720	NSSD50	13	212	225	0988	19 AUG 1981	231	20:30:11	32.8	50836.0	5.6	21.8	-1.3	53.9
1721	NSSD50	14	215	227	0989	20 AUG 1981	232	20:28:52	34.3	51013.0	5.5	21.9	-1.2	55.5
1722	NSSD51	1	210	220	0990	21 AUG 1981	233	20:27:24	35.8	51071.5	5.5	21.9	-1.1	57.1
1723	NSSD51	2	214	223	0991	22 AUG 1981	234	20:25:59	37.3	51244.2	5.3	21.9	-1.0	58.7
1724	NSSD51	3	206	210	0992	23 AUG 1981	235	20:24:21	38.8	51330.1	5.3	22.0	-0.9	60.3
1725	NSSD51	4	213	216	0993	24 AUG 1981	236	20:22:56	40.3	51501.1	5.2	22.0	-0.8	61.9
1727	NSSD51	5	197	208	0995	26 AUG 1981	238	21:02:49	44.6	48034.4	7.9	21.3	-0.6	65.1
1728	NSSD51	6	200	208	0996	27 AUG 1981	239	21:08:33	46.3	47476.9	8.4	21.2	-0.6	66.7
1729	NSSD51	7	201	209	0997	28 AUG 1981	240	21:06:48	47.8	47642.4	8.3	21.2	-0.5	68.3
1730	NSSD51	8	202	207	0998	29 AUG 1981	241	21:04:57	49.2	47807.2	8.1	21.3	-0.4	69.9
1731	NSSD51	9	203	206	0999	30 AUG 1981	242	21:03:13	50.7	47905.8	8.1	21.3	-0.3	71.5
1732	NSSD51	10	205	204	1000	31 AUG 1981	243	21:01:34	52.2	48101.5	7.9	21.3	-0.2	73.1
1733	NSSD51	11	205	202	1001	1 SEP 1981	244	20:59:39	53.7	48263.8	7.8	21.4	-0.1	74.7
1734	NSSD51	12	204	199	1002	2 SEP 1981	245	20:57:53	55.2	48428.7	7.7	21.4	0.0	76.2
1735	NSSD51	13	206	197	1003	3 SEP 1981	246	20:55:55	56.7	48622.0	7.5	21.5	0.1	77.8

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1736	NSSD51	14	196	185	1004	4 SEP 1981	247	20:53:50	58.2	48781.5	7.4	21.5	0.2	79.4
1737	NSSD52	1	201	185	1005	5 SEP 1981	248	20:51:47	59.7	48940.0	7.3	21.6	0.3	81.0
1738	NSSD52	2	210	192	1006	6 SEP 1981	249	20:50:01	61.2	49035.1	7.2	21.6	0.4	82.6
1739	NSSD52	3	208	186	1007	7 SEP 1981	250	20:48:07	62.7	49223.4	7.1	21.7	0.5	84.2
1740	NSSD52	4	212	188	1008	8 SEP 1981	251	20:46:19	64.2	49348.5	7.0	21.7	0.6	85.8
1741	NSSD52	5	212	184	1009	9 SEP 1981	252	20:43:59	65.7	49626.7	6.8	21.8	0.7	87.3
1742	NSSD52	6	209	179	1010	10 SEP 1981	253	20:41:24	67.2	49780.5	6.6	21.8	0.8	88.9
1743	NSSD52	7	213	179	1011	11 SEP 1981	254	20:38:50	68.7	50024.0	6.4	21.9	0.8	90.5
1744	NSSD52	8	214	178	1012	12 SEP 1981	255	20:36:15	70.2	50178.6	6.3	21.9	0.9	92.1
1745	NSSD52	9	216	174	1013	13 SEP 1981	256	20:33:57	71.7	50389.4	6.2	22.0	1.0	93.7
1746	NSSD52	10	211	169	1014	14 SEP 1981	257	20:31:40	73.2	50568.2	6.0	22.0	1.1	95.2
1747	NSSD52	11	213	167	1015	15 SEP 1981	258	20:29:21	74.7	50716.4	5.9	22.1	1.2	96.8
1748	NSSD52	12	216	165	1016	16 SEP 1981	259	20:27:09	76.2	50863.6	5.8	22.1	1.3	98.4
1749	NSSD52	13	214	161	1017	17 SEP 1981	260	20:24:55	77.7	51096.9	5.6	22.2	1.4	100.0
1751	NSSD52	14	234	161	1019	19 SEP 1981	262	19:30:42	80.0	55086.7	2.3	23.0	1.5	103.1
1753	NSSD53	1	231	153	1021	21 SEP 1981	264	19:25:27	83.1	55421.1	2.1	23.1	1.7	106.2
1754	NSSD53	2	234	151	1022	22 SEP 1981	265	19:22:08	84.6	55586.0	1.9	23.2	1.8	107.8
1755	NSSD53	3	235	149	1023	23 SEP 1981	266	19:19:33	86.1	55795.6	1.7	23.2	1.9	109.4
1756	NSSD53	4	234	145	1024	24 SEP 1981	267	19:17:14	87.7	55888.2	1.6	23.2	1.9	111.0
1757	NSSD53	5	214	139	1025	25 SEP 1981	268	20:27:46	90.3	50664.1	5.9	22.1	2.0	112.6
1758	NSSD53	6	208	133	1026	26 SEP 1981	269	20:39:19	92.1	49612.6	6.7	21.9	2.1	114.2
1759	NSSD53	7	207	131	1027	27 SEP 1981	270	20:37:25	93.6	49796.1	6.6	21.9	2.2	115.8
1760	NSSD53	8	211	129	1028	28 SEP 1981	271	20:35:34	95.1	49947.9	6.4	22.0	2.2	117.4
1761	NSSD53	9	212	127	1029	29 SEP 1981	272	20:33:42	96.6	50068.6	6.3	22.0	2.3	119.0
1762	NSSD53	10	212	124	1030	30 SEP 1981	273	20:31:57	98.2	50248.6	6.2	22.0	2.4	120.5
1763	NSSD53	11	210	165	1030	1 OCT 1981	274	06:54:34	89.3	48232.6	-33.6	33.7	2.4	121.2
1764	NSSD53	12	264	140	1030	1 OCT 1981	274	13:12:53	94.5	65776.1	-14.7	27.6	2.4	121.6
1765	NSSD53	13	209	119	1031	1 OCT 1981	274	20:30:11	99.7	50308.0	6.1	22.1	2.4	122.1
1766	NSSD53	14	208	161	1031	2 OCT 1981	275	06:52:56	90.6	48070.2	-33.8	33.7	2.5	122.8
1768	NSSD54	1	213	118	1032	2 OCT 1981	275	20:28:41	101.3	50456.3	6.0	22.1	2.5	123.7
1769	NSSD54	2	202	153	1032	3 OCT 1981	276	06:51:38	91.9	48037.3	-33.8	33.8	2.5	124.4
1770	NSSD54	3	273	138	1032	3 OCT 1981	276	13:08:14	97.5	65749.5	-14.9	27.7	2.5	124.8
1771	NSSD54	4	212	114	1033	3 OCT 1981	276	20:27:12	102.8	50485.5	6.0	22.1	2.6	125.3
1772	NSSD54	5	209	156	1033	4 OCT 1981	277	06:50:13	93.2	47939.0	-33.9	33.8	2.6	126.0
1773	NSSD54	6	271	135	1033	4 OCT 1981	277	13:05:56	99.1	65721.4	-15.0	27.7	2.6	126.4
1774	NSSD54	7	215	112	1034	4 OCT 1981	277	20:25:40	104.3	50662.1	5.8	22.1	2.6	126.9
1775	NSSD54	8	208	152	1034	5 OCT 1981	278	06:48:48	94.5	47774.6	-34.0	33.9	2.7	127.5
1776	NSSD54	9	266	129	1034	5 OCT 1981	278	13:03:27	100.6	65707.7	-15.1	27.7	2.7	127.9
1777	NSSD54	10	215	110	1035	5 OCT 1981	278	20:23:51	105.9	50807.9	5.7	22.2	2.7	128.4
1778	NSSD54	11	209	150	1035	6 OCT 1981	279	06:47:12	95.8	47708.0	-34.1	33.9	2.7	129.1
1779	NSSD54	12	270	128	1035	6 OCT 1981	279	13:00:47	102.1	65679.9	-15.2	27.8	2.7	129.5
1780	NSSD54	13	215	107	1036	6 OCT 1981	279	20:22:14	107.4	50865.3	5.6	22.2	2.7	130.0
1781	NSSD54	14	205	144	1036	7 OCT 1981	280	06:45:29	97.1	47542.0	-34.2	34.0	2.8	130.7
1782	NSSD55	1	262	122	1036	7 OCT 1981	280	12:57:35	103.6	65650.6	-15.3	27.8	2.8	131.1
1783	NSSD55	2	216	104	1037	7 OCT 1981	280	20:19:41	109.0	51096.7	5.5	22.2	2.8	131.6
1784	NSSD55	3	191	134	1037	8 OCT 1981	281	06:42:56	98.4	47275.0	-34.4	34.0	2.8	132.3
1786	NSSD55	4	215	101	1038	8 OCT 1981	281	20:17:23	110.5	51239.6	5.3	22.2	2.8	133.2
1787	NSSD55	5	197	134	1038	9 OCT 1981	282	06:41:10	99.7	47206.9	-34.5	34.1	2.9	133.9
1788	NSSD55	6	254	112	1038	9 OCT 1981	282	12:50:47	106.6	65579.1	-15.6	27.9	2.9	134.3
1789	NSSD55	7	218	99	1039	9 OCT 1981	282	20:15:41	112.1	51353.0	5.3	22.3	2.9	134.7
1790	NSSD55	8	197	132	1039	10 OCT 1981	283	06:40:06	101.0	47105.0	-34.5	34.1	2.9	135.4
1791	NSSD55	9	252	109	1039	10 OCT 1981	283	12:50:00	108.1	65577.7	-15.6	27.9	2.9	135.8
1792	NSSD55	10	216	96	1040	10 OCT 1981	283	20:15:57	113.6	51351.5	5.3	22.3	2.9	136.3
1793	NSSD55	11	206	135	1040	11 OCT 1981	284	06:40:44	102.3	47137.1	-34.5	34.1	3.0	137.0
1794	NSSD55	12	273	115	1040	11 OCT 1981	284	12:50:23	109.6	65580.0	-15.6	27.9	3.0	137.4

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1795	NSSD55	13	217	94	1041	11 OCT 1981	284	20:15:18	115.2	51321.3	5.3	22.3	3.0	137.9
1798	NSSD55	14	216	91	1042	12 OCT 1981	285	20:14:00	116.8	51376.7	5.2	22.3	3.0	139.5
1799	NSSD56	1	205	129	1042	13 OCT 1981	286	06:38:21	104.9	46999.1	-34.6	34.2	3.1	140.2
1800	NSSD56	2	268	109	1042	13 OCT 1981	286	12:46:22	112.6	65530.7	-15.7	27.9	3.1	140.6
1801	NSSD56	3	216	88	1043	13 OCT 1981	286	20:12:28	118.3	51545.7	5.1	22.3	3.1	141.1
1802	NSSD56	4	217	121	1043	14 OCT 1981	287	07:19:43	107.5	50683.8	-31.8	33.1	3.1	141.8
1803	NSSD56	5	200	121	1044	15 OCT 1981	288	06:36:19	107.4	46827.5	-34.8	34.3	3.1	143.3
1804	NSSD56	6	270	104	1044	15 OCT 1981	288	12:43:12	115.6	65496.3	-15.8	28.0	3.1	143.7
1805	NSSD56	7	219	84	1045	15 OCT 1981	288	20:10:28	121.4	51679.3	5.0	22.3	3.1	144.2
1806	NSSD56	8	200	119	1045	16 OCT 1981	289	06:35:26	108.7	46757.5	-34.8	34.3	3.2	144.9
1808	NSSD56	9	214	79	1046	16 OCT 1981	289	20:09:25	123.0	51733.3	4.9	22.3	3.2	145.8
1809	NSSD56	10	201	117	1046	17 OCT 1981	290	06:34:30	109.9	46653.1	-34.9	34.4	3.2	146.5
1810	NSSD56	11	269	99	1046	17 OCT 1981	290	12:40:09	118.6	65455.3	-16.0	28.0	3.2	146.9
1811	NSSD56	12	218	78	1047	17 OCT 1981	290	20:08:18	124.5	51787.2	4.9	22.3	3.2	147.4
1812	NSSD56	13	199	113	1047	18 OCT 1981	291	06:33:32	111.2	46582.5	-35.0	34.4	3.2	148.1
1813	NSSD56	14	266	95	1047	18 OCT 1981	291	12:38:32	120.1	65434.1	-16.0	28.0	3.2	148.5
1814	NSSD57	1	217	76	1048	18 OCT 1981	291	20:07:10	126.1	51840.7	4.8	22.3	3.2	149.0
1815	NSSD57	2	196	110	1048	19 OCT 1981	292	06:32:37	112.4	46511.6	-35.0	34.4	3.3	149.7
1817	NSSD57	3	218	74	1049	19 OCT 1981	292	20:06:16	127.7	51922.0	4.8	22.3	3.3	150.6
1818	NSSD57	4	195	108	1049	20 OCT 1981	293	06:31:57	113.6	46440.4	-35.1	34.5	3.3	151.3
1820	NSSD57	5	217	71	1050	20 OCT 1981	293	20:05:20	129.2	51974.9	4.7	22.3	3.3	152.2
1821	NSSD57	6	195	105	1050	21 OCT 1981	294	06:31:12	114.9	46437.7	-35.1	34.5	3.3	152.8
1822	NSSD57	7	269	89	1050	21 OCT 1981	294	12:34:41	124.6	65372.3	-16.2	28.1	3.3	153.2
1823	NSSD57	8	219	70	1051	21 OCT 1981	294	20:04:33	130.8	52055.4	4.7	22.3	3.3	153.7
1824	NSSD57	9	192	101	1051	22 OCT 1981	295	06:30:38	116.1	46331.8	-35.1	34.5	3.3	154.4
1825	NSSD57	10	266	86	1051	22 OCT 1981	295	12:33:40	126.1	65354.3	-16.2	28.1	3.3	154.8
1826	NSSD57	11	215	66	1052	22 OCT 1981	295	20:03:45	132.3	52135.5	4.6	22.3	3.3	155.3
1827	NSSD57	12	196	101	1052	23 OCT 1981	296	06:29:58	117.3	46259.9	-35.2	34.6	3.3	156.0
1829	NSSD57	13	217	65	1053	23 OCT 1981	296	20:02:52	133.9	52160.1	4.6	22.3	3.3	156.9
1830	NSSD57	14	195	99	1053	24 OCT 1981	297	06:29:16	118.6	46257.1	-35.2	34.6	3.4	157.6
1831	NSSD58	1	262	81	1053	24 OCT 1981	297	12:31:12	129.1	65327.5	-16.3	28.1	3.4	158.0
1832	NSSD58	2	212	62	1054	24 OCT 1981	297	20:01:52	135.5	52236.7	4.5	22.3	3.4	158.5
1833	NSSD58	3	193	96	1054	25 OCT 1981	298	06:28:31	119.7	46151.1	-35.3	34.6	3.4	159.2
1834	NSSD58	4	264	80	1054	25 OCT 1981	298	12:29:59	130.6	65293.1	-16.3	28.1	3.4	159.6
1835	NSSD58	5	216	62	1055	25 OCT 1981	298	20:01:06	137.0	52232.6	4.6	22.3	3.4	160.1
1836	NSSD58	6	191	94	1055	26 OCT 1981	299	06:28:00	120.9	46147.9	-35.3	34.7	3.4	160.8
1837	NSSD58	7	215	59	1056	26 OCT 1981	299	20:00:18	138.6	52311.6	4.5	22.3	3.4	161.7
1838	NSSD58	8	185	88	1056	27 OCT 1981	300	06:27:23	122.1	46075.3	-35.3	34.7	3.4	162.3
1839	NSSD58	9	260	75	1056	27 OCT 1981	300	12:27:59	133.5	65259.4	-16.4	28.2	3.4	162.7
1840	NSSD58	10	212	57	1057	27 OCT 1981	300	19:59:39	140.2	52362.9	4.5	22.3	3.4	163.2
1841	NSSD58	11	182	86	1057	28 OCT 1981	301	06:26:59	123.3	45967.6	-35.4	34.7	3.4	163.9
1842	NSSD58	12	254	71	1057	28 OCT 1981	301	12:27:10	135.0	65255.7	-16.4	28.2	3.4	164.3
1843	NSSD58	13	211	55	1058	28 OCT 1981	301	19:58:59	141.7	52441.2	4.4	22.4	3.4	164.8
1844	NSSD58	14	186	86	1058	29 OCT 1981	302	06:26:30	124.4	45964.2	-35.4	34.8	3.4	165.5
1845	NSSD59	1	258	71	1058	29 OCT 1981	302	12:26:15	136.5	65235.7	-16.4	28.2	3.4	165.9
1846	NSSD59	2	211	53	1059	29 OCT 1981	302	19:58:18	143.3	52437.6	4.4	22.3	3.4	166.4
1847	NSSD59	3	183	84	1059	30 OCT 1981	303	06:26:05	125.6	45960.8	-35.4	34.8	3.4	167.1
1848	NSSD59	4	250	67	1059	30 OCT 1981	303	12:25:38	138.0	65220.9	-16.5	28.2	3.4	167.5
1849	NSSD59	5	211	52	1060	30 OCT 1981	303	19:57:58	144.8	52515.5	4.4	22.3	3.4	168.0
1850	NSSD59	6	181	81	1060	31 OCT 1981	304	06:25:57	126.7	45887.5	-35.4	34.8	3.4	168.7
1851	NSSD59	7	244	64	1060	31 OCT 1981	304	12:25:15	139.4	65217.1	-16.5	28.2	3.4	169.1
1853	NSSD59	8	247	63	1061	1 NOV 1981	305	12:24:33	140.9	65196.6	-16.5	28.2	3.4	170.7
1854	NSSD59	9	208	49	1062	1 NOV 1981	305	19:56:57	147.9	52589.4	4.3	22.3	3.4	171.2
1855	NSSD59	10	177	77	1062	2 NOV 1981	306	06:25:17	129.0	45880.3	-35.4	34.9	3.4	171.9
1857	NSSD59	11	183	43	1063	2 NOV 1981	306	19:56:21	149.5	52585.6	4.3	22.3	3.4	172.8

POLARIMETRY MAP	TAPE	FILE	DATA GROUPS	BLOCKS	ORBIT	DISK CENTER TIME DATE	DOY	S/C UT	PHASE ANGLE	SPACECRAFT ALTITUDE(KM)	SUBSPACECRAFT LAT	SUBSPACECRAFT LON	SUBSOLAR LAT	SUBSOLAR LON
1858	NSSD59	12	176	76	1063	3 NOV 1981	307	06:24:55	130.0	45771.9	-35.5	34.9	3.4	173.5
1859	NSSD59	13	243	60	1063	3 NOV 1981	307	12:23:02	143.8	65171.8	-16.5	28.2	3.4	173.9
1862	NSSD59	14	239	58	1064	4 NOV 1981	308	12:22:17	145.2	65150.9	-16.6	28.2	3.3	175.4
1864	NSSD60	1	172	68	1065	5 NOV 1981	309	06:43:32	133.4	47599.7	-34.1	34.3	3.3	176.7
1866	NSSD60	2	166	70	1066	6 NOV 1981	310	06:24:07	133.2	45761.6	-35.5	34.9	3.3	178.2
1867	NSSD60	3	227	54	1066	6 NOV 1981	310	12:21:09	148.0	65125.6	-16.6	28.3	3.3	178.6
1869	NSSD60	4	155	65	1067	7 NOV 1981	311	06:23:47	134.2	45652.7	-35.6	35.0	3.3	179.8
1870	NSSD60	5	212	49	1067	7 NOV 1981	311	12:20:20	149.4	65104.2	-16.6	28.3	3.3	-179.8
1873	NSSD60	6	200	46	1068	8 NOV 1981	312	12:19:34	150.8	65088.3	-16.6	28.3	3.3	-178.2
1875	NSSD60	7	153	63	1069	9 NOV 1981	313	06:23:13	136.2	45645.2	-35.6	35.0	3.2	-177.0
1876	NSSD60	8	212	48	1069	9 NOV 1981	313	12:09:02	151.8	64903.5	-17.1	28.4	3.2	-176.6
1878	NSSD60	9	148	61	1070	10 NOV 1981	314	06:23:01	137.2	45641.5	-35.6	35.0	3.2	-175.4
1879	NSSD60	10	173	40	1070	10 NOV 1981	314	12:18:29	153.5	65062.4	-16.7	28.3	3.2	-175.0
1881	NSSD60	11	144	60	1071	11 NOV 1981	315	06:22:50	138.0	45532.1	-35.6	35.1	3.2	-173.8
1882	NSSD60	12	170	38	1071	11 NOV 1981	315	12:17:53	154.7	65040.3	-16.7	28.3	3.2	-173.4
1884	NSSD60	13	139	58	1072	12 NOV 1981	316	06:22:35	138.9	45528.5	-35.6	35.1	3.2	-172.2
1885	NSSD60	14	162	36	1072	12 NOV 1981	316	12:17:12	156.0	65036.4	-16.7	28.3	3.1	-171.8

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 PIONEER VENUS OCPP POLARIMETRY MAP 3665    YR=88   DOY= 92                                    YR=88  DOY= 92  TIME=15:45:08  WAVELENGTH=550 NM  G
AIN=4      8 SECTORS FOLLOW    468.8   3.98   -6.45    0.00     0.00  -2.00000  -2.00000     0.00              515.1   4.08   -4.78
   0.00     0.00  -2.00000  -2.00000     0.00              510.7   4.05   -4.06    0.00     0.00  -2.00000  -2.00000     0.00
       462.5   4.01   -2.68  -76.43    30.26   0.05399   0.15313   120.03              383.3   4.60   -1.23  -75.86    42.21   0.053
13   0.10913   120.25              282.2   4.47    0.56    0.00     0.00  -2.00000  -2.00000     0.00              178.4   5.04    3
.90    0.00     0.00  -2.00000  -2.00000     0.00              86.4   5.34    1.76    0.00     0.00  -2.00000  -2.00000     0.00
        YR=88  DOY= 92  TIME=15:45:47  WAVELENGTH=365 NM  GAIN=4     10 SECTORS FOLLOW    485.3  10.06   84.57    0.00     0.00  -2
.00000  -2.00000     0.00              603.0  10.15   84.88    0.00     0.00  -2.00000  -2.00000     0.00              659.8  10.70
  85.86    0.00     0.00  -2.00000  -2.00000     0.00              659.3  11.41   86.16  -73.80    18.51   0.09974   0.22023   119.3
9              608.0  12.27   86.54  -72.45    28.53   0.12375   0.18866   119.42              516.4  13.22   86.94  -71.97    37.87
   0.12394   0.14547   119.80              394.6  14.26   87.93  -72.28    48.22   0.10044   0.09043   120.35              257.7  15
.15   88.34    0.00     0.00  -2.00000  -2.00000     0.00              130.8  15.06   88.72    0.00     0.00  -2.00000  -2.00000
 0.00              44.2  13.68  -89.72    0.00     0.00  -2.00000  -2.00000     0.00          YR=88  DOY= 92  TIME=15:46:26  WAVE
LENGTH=270 NM  GAIN=4     12 SECTORS FOLLOW     14.7  23.88   75.33    0.00     0.00  -2.00000  -2.00000     0.00              20.2
  35.13   66.01    0.00     0.00  -2.00000  -2.00000     0.00              23.5  36.96   87.94    0.00     0.00  -2.00000  -2.00000
    0.00              23.4  28.61   86.63  -72.83     8.50   0.10636   0.26786   119.10              24.5  32.12  -88.93  -70.97
   19.04   0.14878   0.24517   118.79              26.5  28.76   86.28  -70.00    27.70   0.16625   0.21051   118.98
20.4  47.36   84.74  -69.56    35.95   0.16681   0.16766   119.45              16.1  49.29   82.86  -69.62    44.63   0.15064   0.1
1654   120.09              13.1  41.76  -84.17  -70.39    55.16   0.11064   0.05328   120.77              0.0   0.00    0.00    0
.00    0.00  -2.00000  -2.00000     0.00              0.0   0.00    0.00    0.00     0.00  -2.00000  -2.00000     0.00
    0.0   0.00    0.00    0.00     0.00  -2.00000  -2.00000     0.00          YR=88  DOY= 92  TIME=15:47:56  WAVELENGTH=935 NM  G
AIN=4     15 SECTORS FOLLOW     90.2   6.94  -10.06    0.00     0.00  -2.00000  -2.00000     0.00              297.2   6.45   -8.74
   0.00     0.00  -2.00000  -2.00000     0.00              500.5   6.48   -8.25    0.00     0.00  -2.00000  -2.00000     0.00
       647.0   6.62   -7.28  -73.71   -17.24   0.03033   0.32036   120.24              727.6   6.79   -6.53  -69.34    1.92   0.150
61   0.33478   118.19
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EBCDIC LIST OF km2004

FILE 1 RECORD 170 3200 BYTES

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   533.0   4.30   -9.96   56.69    26.16   0.68761   0.22272  -123.15              420.5   4.37   -9.32   56.78    30.76   0.68063
 0.18291  -125.62              312.4   4.63  -11.23   56.82    35.44   0.67039   0.14149  -128.06              209.9   4.78  -13.40
  56.79    40.20   0.65675   0.09834  -130.44              117.4   4.66  -14.10   56.70    45.07   0.63947   0.05331  -132.74
       50.4   4.75   -6.86   56.54    50.08   0.61827   0.00620  -134.92              20.7   3.73  -22.00   56.31    55.25   0.592
72  -0.04327  -136.96              16.0   6.18  -53.45   55.99    60.63   0.56223  -0.09549  -138.85              16.9   5.58  -11
.54   55.58    66.29   0.52595  -0.15097  -140.55
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EBCDIC LIST OF km2004

FILE 143 RECORD 1 3200 BYTES

PIONEER VENUS OCPP POLARIMETRY MAP 3828 YR=88 DOY=325
AIN=4 12 SECTORS FOLLOW 239.1 6.28 -8.44 0.00 0.00 -2.00000 -2.00000 0.00 YR=88 DOY=325 TIME=14:10:30 WAVELENGTH=935 NM G
0.00 0.00 -2.00000 -2.00000 0.00 477.4 6.14 -7.62 0.00 0.00 -2.00000 -2.00000 0.00 381.5 6.14 -8.23
522.9 6.28 -5.78 -78.45 -3.85 0.08661 0.24815 132.14 523.9 6.48 -5.10 -77.01 13.53 0.133
17 0.24146 131.73 487.5 6.92 -3.79 -76.33 26.58 0.15014 0.21540 131.78 419.2 7.06 -2
.50 -76.07 38.81 0.14808 0.17685 132.11 328.7 7.74 -0.80 -76.23 52.11 0.12605 0.12500 132.61
228.0 8.14 -0.38 -77.21 71.22 0.06655 0.04763 133.20 130.7 8.45 -0.25 0.00 0.00 -2
.00000 -2.00000 0.00 56.4 8.59 4.34 0.00 0.00 -2.00000 -2.00000 0.00 21.7 8.31
2.66 0.00 0.00 -2.00000 -2.00000 0.00 YR=88 DOY=325 TIME=14:11:09 WAVELENGTH=550 NM GAIN=4 13 SEC
TORS FOLLOW 155.2 3.35 -10.28 0.00 0.00 -2.00000 -2.00000 0.00 357.5 3.20 -7.76 0.00 0.00
-2.00000 -2.00000 0.00 524.2 3.06 -8.18 0.00 0.00 -2.00000 -2.00000 0.00 632.7 3
.26 -5.93 -77.95 -21.05 0.05464 0.26573 132.57 683.0 3.37 -4.56 -75.80 1.61 0.13712 0.28249 1
31.55 683.1 3.40 -3.39 -74.85 14.89 0.17086 0.26734 131.30 637.5 3.40 -2.70 -74.31 2
6.09 0.18483 0.23937 131.43 553.2 3.55 -1.23 -74.07 36.77 0.18360 0.20149 131.81 442.3
3.80 -0.21 -74.12 47.97 0.16682 0.15331 132.37 317.8 3.88 1.17 -74.56 61.37 0.12855 0.09063
133.02 195.3 3.91 0.97 0.00 0.00 -2.00000 -2.00000 0.00 93.9 4.65 5.08 0.00
0.00 -2.00000 -2.00000 0.00 37.3 4.99 15.22 0.00 0.00 -2.00000 -2.00000 0.00 YR=
88 DOY=325 TIME=14:11:49 WAVELENGTH=365 NM GAIN=4 14 SECTORS FOLLOW 246.1 8.90 83.47 0.00 0.00 -2.00000 -2.0
0000 0.00 483.7 8.36 83.40 0.00 0.00 -2.00000 -2.00000 0.00 662.6 8.10 84.25 0
.00 0.00 -2.00000 -2.00000 0.00 776.3 7.98 84.49 -75.12 -10.88 0.11857 0.30885 131.77
834.8 8.09 84.83 -73.82 4.32 0.17331 0.30725 131.07 842.3 8.33 85.23 -73.07 15.68 0.20147
0.28846 130.91 799.6 8.65 85.88 -72.62 25.71 0.21382 0.25949 131.10 711.3 8.94 86.64
-72.39 35.36 0.21312 0.22206 131.53 589.8 9.37 87.41 -72.38 45.33 0.19925 0.17595 132.13
444.8 9.95 87.96 -72.65 56.55 0.16898 0.11884 132.83 290.4 10.59 89.67 -73.43 71.65 0.109
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EBCDIC LIST OF km2004

FILE 143 RECORD 207 3200 BYTES

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