DATA SET CATALOG # 182

Explorer 31, ION and DENSITY

65-098B-05B 62 tapes

1 of 2

Table of Contents

1. Introduction

2. Errata/Change Log

3. LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM

4. Catalog Materials

    a. Associated Documents

    b. Core Catalog Materials

---

1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC INFORMATION SYSTEM:

http://nssdc.gsfc.nasa.gov/nmc/

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/

b. Core Catalog Materials

SP10 00265

DME-A

ION COMP. DENSITY MEAS., TAPE

65-098B-05B

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY 104 7-TRACK, 800 BPI TAPES, WRITTEN IN BCD. THERE ARE 5 RESTORED TAPES, WRITTEN IN ASCII. FOUR OF THESE TAPES; D012217, 18, 21 AND 32 WERE RELEASED BEOFRE THIS DATA SET WAS RESTORED. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI. THE TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN	
DR003919	DS003919	D008804	1-69	12/01/65 - 12/07/65	
		D008805	70-134	12/07/65 - 12/13/65	
		D008806	135-195	12/14/65 - 12/18/65	
		D008809	196-263	12/20/65 - 12/27/65	
		D008810	264-317	12/27/65 - 12/31/65	
		D008807	318-381	01/08/66 - 01/13/66	(a)
		D008812	382-389	01/15/66 - 01/15/66	(b)
		D010764	390-394	01/25/66 - 01/25/66	
		D008811	395-447	01/25/66 - 01/26/66	
		D010765	448-489	01/27/66 - 01/31/66	
		D010766	490-557	01/31/66 - 02/06/66	(c)
		D010767	558-624	02/07/66 - 02/16/66	
		D010768	625-683	02/16/66 - 02/22/66	
		D010769	684-741	02/23/66 - 03/02/66	
		D010770	742-809	03/04/66 - 03/13/66	
		D010771	810-877	03/13/66 - 03/30/66	
		D010772	878-882	03/31/66 - 04/01/66	
		D010773	883-950	04/01/66 - 04/11/66	
		D010858	951-1018	04/14/66 - 04/21/66	
		D010859	1019-1080	04/21/66 - 05/07/66	

65-098B-05B

DR#	DS#	D#	FILES	TIME SPAN	
DR003920	DS003920	D010860	1-68	04/23/66 - 05/03/66	
		D010861	69-88	05/03/66 - 05/06/66	
		D010862	89-156	06/01/66 - 06/23/66	
		D010863	157-195	06/23/66 - 06/23/66	
		D010864	196-263	07/01/66 - 07/09/66	
		D010865	264-331	07/10/66 - 07/17/66	
		D010866	332-399	07/17/66 - 07/25/66	
		D010867	400-457	07/25/66 - 08/01/66	
		D010977	458-525	08/01/66 - 08/09/66	(d)
		D010978	526-559	08/09/66 - 08/13/66	
		D010979	560-593	08/13/66 - 08/17/66	
		D010981	594-636	08/24/66 - 08/29/66	(e)
		D010982	637-704	08/29/66 - 09/11/66	
		D010983	705-734	09/01/66 - 09/04/66	
		D010984	735-739	09/04/66 - 09/05/66	(f)
		D010985	740-807	09/11/66 - 09/19/66	
		D010986	808-875	09/19/66 - 09/26/66	
		D010987	876-910	09/26/66 - 09/30/66	
		D010988	911-978	10/01/66 - 10/19/66	
		D010989	979-998	10/19/66 - 10/20/66	
DR003921	DS003921	D010991	1-20	10/24/66 - 10/27/66	
		D010992	21-54	10/28/66 - 10/31/66	
		D010993	55-121	11/04/66 - 11/04/66	
		D010994	122-189	11/07/66 - 11/12/66	
		D010995	190-223	11/12/66 - 11/14/66	
		D010996	224-256	11/15/66 - 11/18/66	
		D011062	257-324	11/21/66 - 11/29/66	
		D011063	325-340	11/29/66 - 11/30/66	
		D011064	341-408	12/01/66 - 12/10/66	
		D011065	409-476	12/10/66 - 12/17/66	(g)
		D008808	477-481	12/18/66 - 12/18/66	(h)
		D011066	482-549	12/18/66 - 12/24/66	
		D011067	550-617	12/24/66 - 12/29/66	
		D011068	618-636	12/30/66 - 12/30/66	
		D011069	637-704	01/04/67 - 01/07/67	
		D011070	705-753	01/07/67 - 01/11/67	
		D011071	754-821	01/20/67 - 01/24/67	(i)
		D011547	822-889	01/24/67 - 01/30/67	
		D011548	890-902	01/30/67 - 01/30/67	
		D011549	903-970	01/30/67 - 02/04/67	

DR#	DS#	D#	FILES	TIME SPAN	
DR003922	DS003922	D011550	1-68	02/04/67 - 02/15/67	
		D011551	69-136	02/15/67 - 02/22/67	
		D011552	137-191	02/23/67 - 03/01/67	
		D011553	192-259	03/01/67 - 03/13/67	
		D011554	260-327	03/13/67 - 03/21/67	
		D011555	328-395	03/21/67 - 03/29/67	
		D012138	396-450	03/26/67 - 04/11/67	(j)
		D011556	451-465	04/12/67 - 04/15/67	
		D008794	466-466	04/15/67 - 04/15/67	
		D012139	467-534	04/12/67 - 04/23/67	(k)
		D012140	535-589	04/23/67 - 04/29/67	(l)
		D012141	590-657	04/30/67 - 05/11/67	
		D012142	658-725	05/16/67 - 05/21/67	
		D012143	726-772	05/22/67 - 05/30/67	
		D012144	773-840	05/30/67 - 06/08/67	
		D012145	841-908	06/10/67 - 06/21/67	(m)
		D012146	909-957	06/21/67 - 06/24/67	
		D012147	958-959	06/24/67 - 06/29/67	(n)
		D012235	960-1027	06/29/67 - 07/09/67	
		D012234	1028-1095	07/09/67 - 07/16/67	
DR003923	DS003923	D012233	1-68	07/17/67 - 07/24/67	
		D012231	69-70	08/02/67 - 08/02/67	
		D012230	71-138	08/02/67 - 08/12/67	
		D012229	139-206	08/12/67 - 08/26/67	
		D012228	207-236	08/26/67 - 08/31/67	(o)
		D012227	237-304	09/06/67 - 09/07/67	
		D012226	305-372	09/11/67 - 09/21/67	
		D012225	373-412	09/21/67 - 09/27/67	(p)
		D012224	413-480	10/01/67 - 10/11/67	(q)
		D012223	481-548	10/11/67 - 10/20/67	
		D012222	549-611	10/21/67 - 10/29/67	
		D012220	612-679	10/30/67 - 11/08/67	
		D012219	680-747	11/08/67 - 11/20/67	
		D012216	748-763	12/27/67 - 12/30/67	(r)
		D012215	764-831	01/01/68 - 01/13/68	
		D012214	832-899	01/14/68 - 01/28/68	(s)
		D012213	900-913	01/28/68 - 01/30/68	
		D012212	914-981	02/03/68 - 02/13/68	
		D012211	982-1049	02/14/68 - 02/25/68	
		D012210	1050-1084	02/26/68 - 03/03/68	

65-098B-05B

EXPLORER 31

ION AND DENSITY

This data set consists of one IBM 360, 800 BPI, 7 track, BCD, Magnetic tape. An IBM 360 utility IEBGENER was used to print the tape in a desirable format. A listing of this program and sample output is included in the DSC.

D#	C#	FILE	START/STOP
[illegible]	G-07732	68	04/12/67 - 04/13/67

19 tapes hav3 been added to this data set:

D#	C#	FILES	START-STOP
D-03804	C-08338	70	12/01/65-12/07/65
D-08805	C-08339	65	12/07/65-12/13/65
D-08806	C-08340	61	12/14/65-12/18/65
D-08807	C-08341	64	1/08/66- 1/13/66
D-08808	C-08342	5	12/18/66-12/18/66
D-08809	C-08343	68	12/20/65-12/27/65
D-08810	C-08344	60	12/27/65-12/31/65
D-08811	C-08345	53	1/25/66- 1/26/66
D-08812	C-08346	68	1/15/66- 1/15/66
D-10764	C-08347	5	1/[illegible]/66- 1/25/66
D-10765	C-08348	42	1/27/66- 1/31/66
D-10766	C-08349	68	1/31/66- 2/06/66
D-10767	C-08350	68	2/07/66- 2/15/66
D-10768	C-08351	59	2/16/66- 2/22/66
D-10769	C-08352	58	2/23/66- 3/02/66
D-10770	C-08353	68	3/04/66- 3/13/66
D-10771	C-08354	68	3/13/66- 3/30/66
D-10772	C-08355	5	3/31/66- [illegible]
D-10773	C-08356	68	4/3[illegible]- 4/[illegible]1/66

38 tapes have been added to this data set.

D#	C#	FILES	START	STOP
D-10858	C-08665	68	4/14/66	4/21/66
D-10859	C-08666	62	4/21/66	5/07/66
D-10860	C-08667	68	4/23/66	5/03/66
D-10861	C-08668	20	5/03/66	5/06/66
D-10862	C-08669	68	6/01/66	6/23/66
D-10863	C-08670	39	6/23/66	7/01/66
D-10864	C-08671	68	7/01/66	7/09/66
D-10865	C-08672	68	7/10/66	7/17/66
D-10866	C-08673	68	7/17/66	7/25/66
D-10867	C-08674	58	7/25/66	8/01/66
D-10977	C-08529	68	8/01/66	8/09/66
D-10978	C-08530	34	8/09/66	8/13/66
D-10979	C-08531	34	8/13/66	8/17/66
D-10981	C-08532	43	8/24/66	8/29/66
D-10982	C-08533	68	8/21/66	9/11/66
D-10983	C-08534	30	9/01/66	9/04/66
D-10984	C-08535	5	9/04/66	9/05/66
D-10985	C-08536	68	9/11/66	9/19/66
D-10986	C-08537	68	9/19/66	9/26/66
D-10987	C-08538	35	9/26/66	9/30/66
D-10988	C-08539	68	10/01/66	10/19/66
D-10989	C-08540	20	10/19/66	10/20/66
D-10991	C-08541	20	10/24/66	10/27/66
D-10992	C-08542	34	10/28/66	10/31/66
D-10993	C-08543	67	11/04/66	11/04/66
D-10994	C-08544	68	11/07/66	11/12/66
D-10995	C-08545	34	11/12/66	11/14/66
D-10996	C-08546	33	11/15/66	11/18/66

D#	C#	FILES	START	STOP
D-11062	C-08730	68	11/21/66	11/29/66
D-11063	C-08731	16	11/29/66	11/30/66
D-11064	C-08732	68	12/01/66	12/10/66
D-11065	C-08733	68	12/10/66	12/17/66
D-11066	C-08734	68	12/18/66	12/24/66
D-11067	C-08735	68	12/24/66	12/29/66
D-11068	C-08736	19	12/30/66	12/30/66
D-11069	C-08737	68	1/04/67	1/07/67
D-11070	C-08738	50	1/07/67	1/11/67
D-11071	C-08739	68	1/20/67	1/24/67

10 tapes were added to this data set:

D#	C#	FILES	START	STOP
D-11547	C-08951	68	1/24/67	1/30/67
D-11548	C-08952	13	1/30/67	1/30/67
D-11549	C-08953	68	1/30/67	2/04/67
D-11550	C-08954	68	2/04/67	2/15/67
D-11551	C-08955	68	2/15/67	2/22/67
D-11552	C-08956	55	2/23/67	3/01/67
D-11553	C-08957	68	3/01/67	3/13/67
D-11554	C-08958	68	3/13/67	3/21/67
D-11555	C-08959	68	3/21/67	3/29/67
D-11556	C-08960	15	3/29/67	3/31/67

DSC 2 of 2

32 Tapes were added to this data set.

D#	C#	Files	Start	Stop
D-12138	C-09434	68	3/26/67 -	4/11/67
D-12139	C-09435	68	4/12/67 -	4/23/67
D-12140	C-09436	55	4/23/67 -	4/29/67
D-12141	C-09437	68	4/30/67 -	5/11/67
D-12142	C-09438	68	5/16/67 -	5/21/67
D-12143	C-09439	48	5/22/67 -	5/30/67
D-12144	C-09440	68	5/30/67 -	6/08/67
D-12145	C-09441	68	6/10/67 -	6/21/67
D-12146	C-09442	49	6/21/67 -	6/29/67
D-12147	C-09443	2	6/24/67 -	6/24/67
D-12235	C-09540	68	6/29/67 -	7/09/67
D-12234	C-09541	68	7/09/67 -	7/16/67
D-12233	C-09542	68	7/17/67 -	7/24/67
D-12231	C-09543	2	8/02/67 -	8/02/67
D-12230	C-09544	68	8/02/67 -	8/12/67
D-12229	C-09545	68	8/12/67 -	8/26/67
D-12228	C-09546	30	8/26/67 -	8/31/67
D-12227	C-09547	68	9/07/67 -	9/06/67
D-12226	C-09548	68	9/11/67 -	9/21/67
D-12225	C-09549	40	9/21/67 -	9/27/67
D-12224	C-09550	68	10-01-67-	10/1167
D-12223	C-09551	68	10/11/67-	10/20/67
D-12222	C-09552	63	10/21/67-	10/29/67
D-12220	C-09553	68	10/30/67-	11/08/67
D-12219	C-09554	68	11/08/67-	11/20/67

D#	C#	Files	Start Stop
D-12216	C-09555	16	12/27/67-12/30/67
D-12215	C-09556	68	1/01/68 - 1/13/68
D-12214	C-09557	68	1/14/68 - 1/28/68
D-12213	C-09558	14	1/28/68 - 1/30/68
D-12212	C-09559	68	2/03/68 - 2/13/68
D-12211	C-09560	68	2/14/68 - 2/25/68
D-12210	C-09961	35	2/26/68 - 3/03/68

UTD

THE UNIVERSITY OF TEXAS AT DALLAS

25 May 1972

Mr. Richard Horowitz
Code 601.6
NASA/Goddard Space Flight Center
Greenbelt, Maryland 20771

Dear Richard:

Enclosed is a copied DMEA tape number BCD 071 and a print out of file 1 and 17. The tape contains 2 runs 34-3 and 34-4 with each run containing 34 files. The tape is a 7 track 800 BPI BCD even parity IBM Print Format Tape. This format is the least expensive for us to copy and you might want to change the format yourself. Comments on format are written on enclosed print out. If you have any questions, please call me.

Sincerely,

William H. Dodson

William H. Dodson

WHD/lap

Enclosures

214 231-1471 BOX 30365 DALLAS, TEXAS 75230

11 2 1 43.503 651 0.366E-07 0.608E 03 66 160.5 163.7 1 0 0 2 1 45.212 -37.0 130.2 2000.08 6.79

L1, L2, L3, LP1, LP2, LP3, A, B, C, AP, BP, CP, SET Value

~~LP1, LP2, LP3~~,

LIMH & IPOSC are data which were used to generate values of concentration and will have no meaning for user.

CTS, POS, & SWPT PT-CH are counts and position in spectrum and also have no value to the user

SWP is the sweep number in the pass

HR MIN SEC are in GMT

N_B indicates the drawin grid potential

if N_B = 0 the grid is -6V with respect to spacecraft potential

if N_B = 1 the grid is 0V with respect to spacecraft potential

Axis Angle is the angle between the spin axis and the orbit plane

Run number — file number

34-3 (1) APR 12, 67 4 DRORAL PASS NO= 5914 TEMP= 99.867 PERIOD= 27.025 AXIS ANG= -73.089

L = 3.27 MAG LAT= -49.61 MAG LONG=-154.93

L1= 279 L2= 356 L3= 446 A=0.773E-11 B=0.255E-10 C=0.232E 01 LIMH= 50 IPOSC= 50

LP1= 280 LP2= 347 LP3= 429 AP=0.774E-11 BP=0.303E-10 CP=0.255E 01 SET VALUE= 0 N_B= 1

Dodson

SWP	HR	MN	SEC	CTS	CURRENT	NORM-CONC	POS	RAM	RRAM	NO	SWPT	PT-CH	HR	MN	SEC	LAT	LONG	ALT	VELOCITY
1	2	1	13.950	651	0.370E-07	0.615E 03	67	132.4	133.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	14.481	443	0.273E-10	0.674E 00	203	138.8	140.0	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	15.032	576	0.583E-08	0.203E 03	344	145.3	146.8	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	15.610	463	0.135E-09	0.692E 01	492	151.7	153.7	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	16.090	504	0.611E-09	0.422E 02	615	156.4	159.0	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	16.204	567	0.102E-07	0.764E 03	644	157.4	160.1	16	755	704	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	16.895	654	0.425E-07	0.704E 03	66	162.1	165.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	17.422	444	0.305E-10	0.750E 00	201	163.1	167.2	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	17.981	600	0.641E-08	0.224E 03	344	161.1	164.8	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	18.563	470	0.181E-09	0.923E 01	493	156.7	159.5	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	19.043	504	0.594E-09	0.410E 02	616	152.0	154.3	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	19.157	565	0.917E-08	0.686E 03	645	150.8	153.0	16	756	705	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	19.849	652	0.384E-07	0.638E 03	66	142.7	144.3	1	0	0	2	1	21.218	-35.9	130.0	1975.12	6.81
3	2	1	20.376	440	0.189E-10	0.466E 00	201	136.4	137.7	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	20.935	572	0.487E-08	0.170E 03	344	129.6	130.6	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	21.517	456	0.958E-10	0.489E 01	493	122.3	123.2	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	22.001	454	0.129E-09	0.892E 01	617	116.3	117.0	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	22.111	516	0.127E-08	0.955E 02	645	114.9	115.6	16	756	701	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	22.800	643	0.265E-07	0.442E 03	66	106.1	106.6	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	23.331	435	0.116E-10	0.287E 00	202	99.4	99.7	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	23.886	554	0.245E-08	0.855E 02	344	92.3	92.5	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	24.468	436	0.197E-10	0.101E 01	493	84.9	85.0	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	25.062	441	0.545E-10	0.409E 01	645	77.4	77.3	16	756	706	0	0	0.0	0.0	0.0	0.0	0.0
5	2	1	25.757	627	0.149E-07	0.251E 03	67	68.5	68.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
5	2	1	26.843	531	0.913E-09	0.319E 02	345	54.9	54.3	4	758	707	0	0	0.0	0.0	0.0	0.0	0.0
6	2	1	28.714	616	0.952E-08	0.160E 03	66	32.1	30.5	1	0	0	2	1	29.216	-36.2	130.1	1983.45	6.81
6	2	1	29.804	500	0.242E-09	0.847E 01	345	21.3	18.4	4	758	703	0	0	0.0	0.0	0.0	0.0	0.0
7	2	1	31.673	616	0.929E-08	0.156E 03	66	20.5	17.2	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
7	2	1	32.763	467	0.137E-09	0.479E 01	345	30.9	28.8	4	756	705	0	0	0.0	0.0	0.0	0.0	0.0
8	2	1	34.626	613	0.833E-08	0.141E 03	66	53.0	52.0	1	0	0	2	1	37.214	-36.6	130.1	1991.77	6.80
8	2	1	35.712	517	0.534E-09	0.187E 02	344	66.6	66.0	4	757	706	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	37.581	630	0.153E-07	0.257E 03	66	90.8	90.6	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	38.112	436	0.132E-10	0.324E 00	202	97.5	97.5	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	38.667	552	0.218E-08	0.760E 02	344	104.6	104.7	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	39.721	441	0.482E-10	0.332E 01	614	117.9	118.3	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	39.831	502	0.643E-09	0.482E 02	642	119.3	119.7	16	757	706	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	40.538	645	0.300E-07	0.500E 03	66	128.1	128.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	41.069	444	0.289E-10	0.712E 00	202	134.6	135.6	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	41.620	570	0.433E-08	0.151E 03	343	141.3	142.5	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.202	461	0.118E-09	0.605E 01	492	147.9	149.6	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.682	502	0.546E-09	0.377E 02	615	153.1	155.2	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.800	564	0.894E-08	0.669E 03	645	154.3	156.5	16	759	708	0	0	0.0	0.0	0.0	0.0	0.0

34-3 1 APR 12, 67 4 ORORAL PASS NO= 5914 TEMP= 99.867 PERIOD= 27.025 AXIS ANG= -73.089

L = 3.27 MAG LAT= -49.61 MAG LONG=-154.93

L1= 279 L2= 356 L3= 446 A=0.773E-11 B=0.255E-10 C=0.232E 01 LIMH= 50 IPOSC= 50

LP1= 280 LP2= 347 LP3= 429 AP=0.774E-11 BP=0.303E-10 CP=0.255E 01 SET VALUE= 0 N_B= 1

SWP	HR	MN	SEC	CTS	CURRENT	NORM-CONC	PCS	RAM	RRAM	NO	SWPT	PT-CH	HR	MN	SEC	LAT	LONG	ALT	VELOCITY
1	2	1	13.950	651	0.370E-07	0.615E 03	67	132.4	133.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	14.481	443	0.273E-10	0.674E 00	203	138.8	140.0	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	15.032	576	0.583E-08	0.203E 03	344	145.3	146.8	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	15.610	463	0.135E-09	0.692E 01	492	151.7	153.7	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	16.090	504	0.611E-09	0.422E 02	615	156.4	159.0	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
1	2	1	16.204	567	0.102E-07	0.764E 03	644	157.4	160.1	16	755	704	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	16.895	654	0.425E-07	0.704E 03	66	162.1	165.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	17.422	444	0.305E-10	0.750E 00	201	163.1	167.2	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	17.981	600	0.641E-08	0.224E 03	344	161.1	164.8	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	18.563	470	0.181E-09	0.923E 01	493	156.7	159.5	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	19.043	504	0.594E-09	0.410E 02	616	152.0	154.3	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
2	2	1	19.157	566	0.917E-08	0.686E 03	645	150.8	153.0	16	756	705	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	19.849	652	0.384E-07	0.638E 03	66	142.7	144.3	1	0	0	2	1	21.218	-35.9	130.0	1975.12	6.81
3	2	1	20.376	440	0.189E-10	0.466E 00	201	136.4	137.7	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	20.935	572	0.487E-08	0.170E 03	344	129.6	130.6	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	21.517	456	0.958E-10	0.489E 01	493	122.3	123.2	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	22.001	454	0.129E-09	0.892E 01	617	116.3	117.0	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
3	2	1	22.111	516	0.127E-08	0.955E 02	645	114.9	115.6	16	756	701	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	22.800	643	0.265E-07	0.442E 03	66	106.1	106.6	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	23.301	435	0.116E-10	0.287E 00	202	99.4	99.7	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	23.886	554	0.245E-08	0.855E 02	344	92.3	92.5	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	24.468	436	0.197E-10	0.101E 01	493	84.9	85.0	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
4	2	1	25.062	441	0.545E-10	0.409E 01	645	77.4	77.3	16	756	706	0	0	0.0	0.0	0.0	0.0	0.0
5	2	1	25.757	627	0.149E-07	0.251E 03	67	68.5	68.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
5	2	1	26.843	531	0.913E-09	0.319E 02	345	54.9	54.3	4	758	707	0	0	0.0	0.0	0.0	0.0	0.0
6	2	1	28.714	616	0.952E-08	0.160E 03	66	32.1	30.5	1	0	0	2	1	29.216	-36.2	130.1	1983.45	6.81
6	2	1	29.804	500	0.242E-09	0.847E 01	345	21.3	18.4	4	758	703	0	0	0.0	0.0	0.0	0.0	0.0
7	2	1	31.673	616	0.929E-08	0.156E 03	66	20.5	17.2	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
7	2	1	32.763	467	0.137E-09	0.479E 01	345	30.9	28.8	4	756	705	0	0	0.0	0.0	0.0	0.0	0.0
8	2	1	34.626	613	0.833E-08	0.141E 03	66	53.0	52.0	1	0	0	2	1	37.214	-36.6	130.1	1991.77	6.80
8	2	1	35.712	517	0.534E-09	0.187E 02	344	66.6	66.0	4	757	706	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	37.581	630	0.153E-07	0.257E 03	66	90.8	90.6	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	38.112	436	0.132E-10	0.324E 00	202	97.5	97.5	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	38.667	552	0.218E-08	0.760E 02	344	104.6	104.7	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	39.721	441	0.482E-10	0.332E 01	614	117.9	118.3	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
9	2	1	39.831	502	0.643E-09	0.482E 02	642	119.3	119.7	16	757	706	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	40.538	645	0.300E-07	0.500E 03	66	128.1	128.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	41.069	444	0.289E-10	0.712E 00	202	134.6	135.6	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	41.620	570	0.433E-08	0.151E 03	343	141.3	142.5	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.202	461	0.118E-09	0.605E 01	492	147.9	149.6	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.683	502	0.546E-09	0.377E 02	615	153.1	155.2	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
10	2	1	42.800	564	0.894E-08	0.669E 03	645	154.3	156.5	16	759	708	0	0	0.0	0.0	0.0	0.0	0.0
11	2	1	43.503	651	0.366E-07	0.608E 03	66	160.5	163.7	1	0	0	2	1	45.212	-37.0	130.2	2000.[illegible]	6.79

FILE 1 ISTRT= 527 ISTOP= 646

SWP	HR	MN	SEC	CTS	CURRENT	NORM-CONC	POS	RAM	RRAM	NO	SWPT	PT-CH	HR	MN	SEC	LAT	LONG	ALT	VELOCITY
11	2	1	44.034	443	0.273E-10	0.674E 00	202	162.9	166.8	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
11	2	1	44.589	576	0.595E-08	0.207E 03	344	162.5	166.5	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
11	2	1	45.171	467	0.0	0.0	493	159.2	162.4		0	0	0	0	0.0	0.0	0.0	0.0	0.0
11	2	1	45.659	507	0.849E-09	0.637E 02	618	154.9	157.5	16	0	0	0	0	0.0	0.0	0.0	0.0	0.0
11	2	1	45.772	567	0.134E-07	0.106E 04	647	153.8	156.3	18	757	702	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	46.458	650	0.348E-07	0.579E 03	66	146.4	148.3	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	46.989	441	0.205E-10	0.505E 00	202	140.3	141.8	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	47.544	572	0.487E-08	0.170E 03	344	133.6	134.8	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	48.130	465	0.154E-09	0.788E 01	494	126.4	127.4	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	48.618	465	0.251E-09	0.173E 02	619	120.3	121.1	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
12	2	1	48.731	535	0.271E-08	0.203E 03	648	118.8	119.6	16	758	707	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	49.419	643	0.265E-07	0.442E 03	66	110.2	110.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	49.954	435	0.116E-10	0.287E 00	203	103.4	103.8	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	50.509	557	0.280E-08	0.978E 02	345	96.3	96.6	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	51.091	444	0.421E-10	0.215E 01	494	88.9	89.1	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	51.575	433	0.160E-10	0.111E 01	618	82.7	82.8	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
13	2	1	51.688	447	0.107E-09	0.805E 01	647	81.3	81.3	16	758	708	0	0	0.0	0.0	0.0	0.0	0.0
14	2	1	52.384	627	0.149E-07	0.251E 03	67	72.1	71.9	1	0	0	2	1	53.210	-37.3	130.3	2008.35	6.79
14	2	1	52.915	433	0.670E-11	0.165E 00	203	65.3	65.0	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
14	2	1	53.470	533	0.103E-08	0.360E 02	345	58.4	57.9	4	759	704	0	0	0.0	0.0	0.0	0.0	0.0
15	2	1	55.343	615	0.506E-08	0.153E 03	66	35.6	34.2	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
15	2	1	56.429	503	0.282E-09	0.985E 01	344	24.0	21.6	4	758	707	0	0	0.0	0.0	0.0	0.0	0.0
16	2	1	58.307	613	0.799E-08	0.135E 03	67	18.5	14.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
16	2	1	59.393	464	0.111E-09	0.389E 01	345	27.6	25.3	4	758	707	0	0	0.0	0.0	0.0	0.0	0.0
17	2	2	1.264	606	0.639E-08	0.108E 03	66	49.7	48.6	1	0	0	2	2	1.209	-37.7	130.3	2016.61	6.78
17	2	2	2.350	502	0.266E-09	0.931E 01	344	63.2	62.5	4	758	706	0	0	0.0	0.0	0.0	0.0	0.0
18	2	2	4.224	614	0.862E-08	0.145E 03	66	87.0	86.8	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
18	2	2	5.310	534	0.107E-08	0.372E 02	344	100.9	100.9	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
18	2	2	5.888	441	0.296E-10	0.151E 01	492	108.2	108.4	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
18	2	2	6.364	434	0.187E-10	0.129E 01	614	114.2	114.5	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
18	2	2	6.478	462	0.250E-09	0.187E 02	643	115.7	116.0	16	758	708	0	0	0.0	0.0	0.0	0.0	0.0
19	2	2	7.189	632	0.173E-07	0.291E 03	67	125.0	125.5	1	0	0	2	2	9.207	-38.0	130.4	2024.85	6.77
19	2	2	7.720	435	0.126E-10	0.309E 00	203	131.5	132.3	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
19	2	2	8.271	556	0.266E-08	0.930E 02	344	138.2	139.3	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
19	2	2	8.853	463	0.135E-09	0.692E 01	493	145.1	146.5	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
19	2	2	9.333	472	0.343E-09	0.237E 02	616	150.4	152.2	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
19	2	2	9.450	554	0.597E-08	0.447E 03	646	151.7	153.6	16	759	704	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	10.148	640	0.238E-07	0.397E 03	66	158.3	161.1	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	10.683	436	0.143E-10	0.353E 00	203	161.9	165.5	2	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	11.234	566	0.405E-08	0.141E 03	344	163.1	167.2	4	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	11.816	473	0.224E-09	0.114E 02	493	161.2	164.8	8	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	12.300	506	0.683E-09	0.471E 02	617	157.6	160.6	14	0	0	0	0	0.0	0.0	0.0	0.0	0.0
20	2	2	12.417	572	0.121E-07	0.903E 03	647	156.6	159.4	16	758	707	0	0	0.0	0.0	0.0	0.0	0.0
21	2	2	13.109	644	0.278E-07	0.464E 03	66	149.6	151.7	1	0	0	0	0	0.0	0.0	0.0	0.0	0.0

```
      0.0      0.0      0.0      0.0       5  2 54 26.079   450 0.0          0.0          103  150.8  150
.1          0      0      0  0  0.0        0.0      0.0      0.0      0.0       5  2 54 26.525   433 0.901E-
11   0.222E 00   217  143.1  142.8  2       0      0      0  0  0.0        0.0      0.0      0.0      0.0

    5  2 54 27.087   454 0.555E-10   0.194E 01   361  133.2  133.1  4    771   737    0  0  0.0        REC      2. LENGTH  6600
  0.0      0.0      0.0      0.0
                                                                          6  2 54 28.981   677 0.176E-06
 0.271E 04    75   98.8   99.4  1       0      0    2 54 29.051   -33.3     32.1    937.22    7.75
6  2 54 29.532   455 0.563E-10   0.139E 01   216   88.9   89.6  2       0      0      0  0  0.0        0.
0      0.0      0.0      0.0       6  2 54 30.094   551 0.209E-08   0.728E 02   360   78.8   79.6  4
   0      0      0  0  C.0        0.0      0.0      0.0      0.0       6  2 54 31.325   433 0.316E-10   0.2
53E 01   675   56.7   57.9 18    768   729    0  0  0.0        0.0      0.0      0.0      0.0

                                 7  2 54 31.980   720 0.451E-06   0.588E 04    75   45.0   46.4  1       0
     0    0  0  0.0        0.0      0.0      0.0      0.0       7  2 54 32.527   474 0.152E-09   0.374E
01   215   35.4   37.1  2       0      0    0  0  0.0        0.0      0.0      0.0      0.0       7  2 54
33.089   605 0.102E-07   0.354E 03   359   25.7   27.9  4       0      0      0  0  0.0        0.0      0.
0      0.0      0.0       7  2 54 33.664   467 0.145E-09   0.740E 01   506   16.6   19.5  8       0
0    0  0  0.0        0.0      0.0      0.0      0.0       7  2 54 34.128   525 0.139E-08   0.958E 02
 625   11.1   14.7 14       0      0    0  0  0.0        0.0      0.0      0.0      0.0       7  2 54 34.2
38   636 0.101E-06   0.728E 04   653   10.4   14.1 16       0      0      0  0  0.0        0.0      0.0
   0.0      0.0       7  2 54 34.292   470 0.402E-09   0.321E 02   667   10.1   13.9 18    765   732
  0  0  0.0        0.0      0.0      0.0      0.0
                                                                                          8  2 54 34.969
 727 0.695E-06   0.761E 04    75   14.8   17.0  1       0      0    2 54 37.049   -32.8     32.2    944
.19    7.74      8  2 54 35.231   454 0.0          0.0          142   18.6   20.2          0      0    0
 0  0.0        0.0      0.0      0.0      0.0       8  2 54 35.512   503 0.232E-09   0.571E 01   214   2
3.0   24.2  2       0      0    0  0  0.0        0.0      0.0      0.0      0.0       8  2 54 36.078   606
 0.104E-07   0.363E 03   359   32.6   33.2  4       0      0      0  0  0.0        0.0      0.0      0.0
   0.0      8  2 54 36.645   454 0.716E-10   0.366E 01   504   42.5   42.7  8       0      0    0  0
0.0        0.0      0.0      0.0      0.0       8  2 54 37.110   434 0.240E-10   0.166E 01   623   50.8
  50.7 14       0      0    0  0  0.0        0.0      0.0      0.0      0.0       8  2 54 37.211   506 0.7
28E-09   0.547E 02   649   52.5   52.5 16       0      0    0  0  0.0        0.0      0.0      0.0      0
.0  1  FILE  20   ISTRT   636  ISTOP   728
                                        0
                                                                                  SWP HR MN   SEC    CTS  CURREN
T    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG       ALT  VELOCITY
0
                                        8  2 54 37.309   433 0.347E-10   0.278E 01   674   54.3   54.2 1
8    766   728    0  0  0.0        0.0      0.0      0.0      0.0

9  2 54 37.959   717 0.439E-06   0.577E 04    75   66.0   65.6  1       0      0      0  0  0.0        0.
0      0.0      0.0      0.0       9  2 54 38.291   445 0.0          0.0          160   71.9   71.5
   0      0      0  0  C.0        0.0      0.0      0.0      0.0       9  2 54 38.393   434 0.0          0.0
         186   73.7   73.3          C      0      0  0  0.0        0.0      0.0      0.0      0.0       9  2
 54 38.514   467 0.111E-09   0.273E 01   217   75.9   75.4  2       0      0      0  0  0.0        0.0
  0.0      0.0      0.0       9  2 54 38.986   427 0.0          0.0          338   84.4   83.8          0
     0    0  0  0.0        0.0      0.0      0.0      0.0       9  2 54 39.061   547 0.192E-08   0.670E
02   357   85.7   85.1  4       0      0    0  0  0.0        0.0      0.0      0.0      0.0       9  2 54
40.303   435 0.449E-10   0.359E 01   675  108.1  107.1 18    770   737    0  0  0.0        0.0      0.
0      0.0      0.0
                                                                         10  2 54 40.971   661 0.834E-07   0.135E 04
  76  120.1  118.9  1       0      0    0  0  0.0        0.0      0.0      0.0      0.0      10  2 54 41.5
26   432 0.828E-11   0.204E 00   218  130.0  128.6  2       0      0    0  0  0.0        0.0      0.0
   0.0      0.0      10  2 54 42.088   432 0.879E-11   0.307E 00   362  139.9  138.4  4       0      0
  0  0  0.0        0.0      0.0      0.0      0.0      10  2 54 43.326   433 0.339E-10   0.271E 01   679
  160.9  158.2 18    772   739    0  0  0.0        0.0      0.0      0.0      0.0

                 11  2 54 43.982   655 0.669E-07   0.109E 04    75  169.1  165.4  1       0      0    2
54 45.047   -32.4     32.3    951.20    7.73    11  2 54 44.302   432 0.0          0.0          157  16
9.7  166.1        773   735    C  0  0.0        0.0      0.0      0.0      0.0

            12  2 54 47.000   666 0.110E-06   0.176E 04    75  128.1  128.2  1       0      0    C  0
```

```
0.0        0.0      0.0       0.0      0.0      12  2 54 47.094   455 0.0          0.0           99  126.4
 126.5          0      0    0  0  C.0        0.0      0.0       0.0      0.0      12  2 54 47.133   452 0.0
          0.0          109  125.7  125.9          0      0    0  0  0.0        0.0      0.0       0.0      0
.0      12  2 54 47.223   441 0.C          0.0          132  124.1  124.3          0      0    0  0  C.0
      0.0      0.0       0.0      C.0      12  2 54 47.555   443 0.238E-10   0.586E 00   217  118.2  118
.5  2       0      0    0  0  0.C        0.0      0.0       0.0      0.0      12  2 54 47.668   431 0.0
     0.0          246  116.2  116.5          0      0    0  0  0.0        0.0      .0.0       0.0      C.0


   12  2 54 48.117   514 0.416E-C9   0.146E 02   361  108.1  108.5  4       0      0    0  0  0.C        REC      3. LENGTH  6600
  0.0      0.0       0.0      0.0      12  2 54 49.352   430 0.183E-10   0.146E 01   677   85.9   86.7 1
8    771   737    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                          1
3  2 54 50.011   712 0.324E-06   0.458E 04    75   74.1   75.0  1       0      0    0  0  0.0          0.
0      0.0      0.0      0.0      13  2 54 50.327   451 0.0          0.0          156   68.4   69.4
   0      0    0  0  C.0        C.0      0.0       0.0      0.0      13  2 54 50.370   451 0.0          0.0
          167   67.6   68.6          0      0    0  0  0.0        0.0      0.0       0.0      0.0      13  2
 54 50.558   466 0.1C6E-09   0.262E 01   215   64.2   65.3  2       0      0    0  0  0.C        C.C
  0.0      0.0       0.0      13  2 54 50.722   434 0.0          0.0          257   61.3   62.4          0
     0    0  0  0.0        0.0      0.0       0.0      0.0      13  2 54 50.765   432 0.0          0.0
     268   60.5   61.7          C      0    0  0  0.0        0.0      0.0       0.0      0.0      13  2 54
51.124   571 0.508E-C8   0.177E C3   360   54.1   55.4  4       0      0    0  0  0.0        0.0      0.
0      0.0      0.0      13  2 54 51.7C2   445 0.382E-10   0.195E 01   508   43.8   45.3  8       0
0    0  0  0.0        0.0      C.0       0.0      0.0      13  2 54 52.167   461 0.157E-C9   0.1C8E 02
 627   35.7   37.4 14       0      0    0  0  0.0        0.0      0.0       0.0      0.0      13  2 54 52.2
77   565 0.104E-C7   0.776E C3   655   33.8   35.6 16       0      0    0  0  0.0        0.0      C.C
   0.0      0.0      13  2 54 52.339   437 0.559E-10   0.447E 01   571   32.7   34.5 18     767   733
  0  0  0.0        0.C      0.0       C.0      0.0
                                                                                          14  2 54 53.0C3
 727 0.695E-06   0.761E 04    74   21.2   23.7  1       0      0    2 54 53.045   -31.9    32.4    958
.26    7.73    14  2 54 53.331   46C 0.0          0.0          158   16.3   19.2          0      0    0
 0  0.0        0.0      0.0       C.0      0.0      14  2 54 53.550   503 0.232E-09   0.571E 01   214   1
3.4   16.8  2       0      0    C  0  0.0        0.0      0.0       0.0      0.0      14  2 54 54.116   607
 0.112E-07   0.390E C3   359   10.4   14.0  4       0      0    0  0  0.0        0.0      0.0       0.0
   0.0      14  2 54 54.694   462 0.1C7E-C9   0.545E 01   507   15.9   18.0  8       0      0    C  C
0.0        0.0      0.0       0.0      C.0      14  2 54 55.151   514 0.829E-09   0.572E 02   624   22.9
  24.1 14       0      0    0  0  C.0        0.0      0.0       0.0      0.0      14  2 54 55.257   617 0.4
47E-07   0.330E 04   651   24.6   25.7 16     766   727    0  0  0.0        0.0      0.0       0.0      0
.0
                                          15  2 54 55.998   731 0.763E-06   0.790E 04    75   37.3   37
.6  1       0      0    0  0  0.C        0.0      0.0       0.0      0.0      15  2 54 56.318   453 0.0
    0.0          157   42.9   43.1          0      0    0  0  0.0        0.0      0.0       0.0      0.0
   15  2 54 56.4C8   442 0.0          0.0          180   44.5   44.6          0      0    C  0  0.C
  0.0      0.0       0.0      0.0      15  2 54 56.549   477 0.179E-09   0.442E 01   216   47.0   47.0
2       0      0    0  0  0.0        0.0      0.0       0.0      0.0      15  2 54 57.103   572 0.546E-C8
 0.190E 03   358   56.8   56.7  4       0      0    0  0  0.0        0.0      0.0       0.0      0.0      1
5  2 54 58.334   435 0.430E-10   0.344E 01   673   78.9   78.4 18     768   735    0  0  0.0          0.
0      0.0      0.0      0.0  1  FILE  20   ISTRT   665  ISTOP   735
                                                                                          0
                                                                                                          SWP HR
 MN    SEC    CTS  CURRENT    NORM-CCNC   POS    RAM   RRAM NC   SWPT PT-CH  HR MN  SEC        LAT
LONG       ALT  VELOCITY 0


                                                                                                          16  2 54
59.002   705 0.252E-C6   0.372E C4    76   91.3   90.6  1       0      0    2 55  1.044   -31.4    32.
5    965.35    7.72    16  2 54 59.553   447 0.354E-10   0.873E 00   217  101.2  100.4  2       0
 0    0  0  0.0        0.0      C.0       0.0      0.0      16  2 54 59.607   425 0.0          0.0
 231  102.2  101.4          0      0    0  0  0.0        0.0      0.0       0.0      0.0      16  2 54 59.7
35   425 0.0          0.0          256  104.0  103.1        773   735    0  0  0.0        0.0      0.0
   0.0      0.0
                                                  17  2 55  2.015   654 0.621E-07   0.102E C4    75
  145.0  143.3  1    774   740    0  0  0.0        0.0      0.0       0.0      0.0

                18  2 55  5.036   662 0.882E-C7   0.143E 04    74  156.2  155.0  1       0      0    0
```

EOF-PARITY ERROR TAPE CHECK RUN BEGINS.

D-8811

AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 1
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 2
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 3
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 4
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 5
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 6
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 7
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 8
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 9
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 3 OF FILE NO. 10
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 11
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 12
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 13
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 14
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 3 OF FILE NO. 15
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 16
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 17
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 18
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 19
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 20
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 21
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 22
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 23
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 24
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 25
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 26
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 27
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 3 OF FILE NO. 28
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 29
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 30
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO. 2 OF FILE NO. 31

```
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     2  OF FILE NO.    32
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     2  OF FILE NO.    33
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     3  OF FILE NO.    34
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     2  OF FILE NO.    35
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     2  OF FILE NO.    36
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    18  OF FILE NO.    37
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    18  OF FILE NO.    38
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    21  OF FILE NO.    39
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    27  OF FILE NO.    40
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    26  OF FILE NO.    41
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.     9  OF FILE NO.    42
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    12  OF FILE NO.    43
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    12  OF FILE NO.    44
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    25  OF FILE NO.    45
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    32  OF FILE NO.    46
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    20  OF FILE NO.    47
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    29  OF FILE NO.    48
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    28  OF FILE NO.    49
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    27  OF FILE NO.    50
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    16  OF FILE NO.    51
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    11  OF FILE NO.    52
AN END-OF-FILE HAS BEEN ENCOUNTERED ON PHYSICAL RECORD NO.    14  OF FILE NO.    53
INPUT TAPE HAS    221.71 FEET OF DATA
EOF-PARITY-ERROR TAPE CHECK RUN HAS ENDED.
```

1 REC 1, LENGTH 5280

D-8911

START JAN 25, 1966
STOP JAN 26, 1966

```
                                                FILE NO          3          JAN  25          J
OBURG          PASS NO          673          TEMP    56.133                          1

                1  4-1    3     JAN 25, 66     JOBURG     PASS NO    673     TEMP   56.133     PERIO
D    8.112     AXIS ANG  -79.944                0  L1   274    L2   357    L3   442    A 0.546E-11
  B 0.149E-10    C 0.246E 01                     LIMH  50   IPOSC  50                LP1   272   LP2
 348   LP3   419   AP 0.334E-11   BP 0.975E-11   CP 0.294E 01   SET VALUE   0    N B   0
          0
                                                SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS
RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  VELOCITY 0

                                                1  0 10 15.171   444 0.235E-10   0.398E 00    58   16.6
  19.8  1    108    59    0  0  0.0        0.0      0.0      0.0      0.0

        2  0 10 15.171   444 0.235E-10   0.398E 00    58   16.6   19.8  1      0      0    0  0  0.0
      0.0      0.0      0.0      0.0
                                                                          3  0 10 16.322   725 0.0
     0.0          125   64.9   65.6          0      0    0  0  0.0        0.0      0.0      0.0      0.0
    3  0 10 16.869   463 0.0          0.0          265   88.8   89.1          0      0    0  0  0.0
  0.0      0.0      0.0      0.0      3  0 10 17.432   564 0.0          0.0          409  113.4  113.2
      0      0    0  0  0.0        0.0      0.0      0.0      0.0      3  0 10 18.670   427 0.204E-10
 0.163E 01   726  165.0  161.9 18    807   771    0  0  0.0        0.0      0.0      0.0      0.0

                                  4  0 10 19.276   737 0.745E-06   0.783E 04    74  161.6  158.6  1
   0      0    0  0  0.0        0.0      0.0      0.0      0.0      4  0 10 19.471   465 0.0          0.0
         124  153.9  151.7          0      0    0  0  0.0        0.0      0.0      0.0      0.0      4  0
 10 19.710   440 0.0          0.0          185  143.9  142.4          0      0    0  0  0.0        0.0
  0.0      0.0      0.0      4  0 10 19.819   474 0.156E-09   0.383E 01   213  139.3  137.9  2      0
     0    0  0  0.0        0.0      0.0      0.0      0.0      4  0 10 20.128   425 0.0          0.0
     292  126.0  125.0          0      0    0  0  0.0        0.0      0.0      0.0      0.0      4  0 10
20.964   431 0.116E-10   0.593E 00   506   89.5   89.3  8    759   723    0  0  0.0        0.0      0.
0      0.0      0.0
                                                          5  0 10 22.244   726 0.449E-06   0.587E 04
  75   33.6   34.8  1      0      0    0 10 22.029   -34.1    28.7   1825.32    6.94      5  0 10 22.4
71   447 0.0          0.0          133   24.3   26.1          0      0    0  0  0.0        0.0      0.0
   0.0      0.0      5  0 10 22.791   454 0.582E-10   0.143E 01   215   12.8   16.4  2      0      0
  0  0  0.0        0.0      0.0      0.0      0.0      5  0 10 23.346   543 0.146E-08   0.509E 02   357
   19.3   22.1  4    761   726    0  0  0.0        0.0      0.0      0.0      0.0
```

REC 2, LENGTH 5280

```
                                  6  0 10 25.216   656 0.543E-07   0.895E 03    75   99.5   99.6
1    764   729    0  0  0.0        0.0      0.0      0.0      0.0

7  0 10 28.200   644 0.321E-07   0.534E 03    75  126.9  125.9  1    764   726    0 10 30.027   -33.
7    28.8   1833.64    6.93
                                                          8  0 10 31.183   644 0.331E-07   0.5
51E 03    75   11.0   15.3  1    763   728    0  0  0.0        0.0      0.0      0.0      0.0
```

9 0 10 31.183 644 0.331E-07 0.551E 03 75 11.0 15.3 1 0
0 0 0 0.0 0.0 0.0 0.0 0.0

10 0 10
34.800 700 0.139E-06 0.219E 04 75 162.7 160.0 1 0 0 0 11 58.027 -29.6 29.
4 1924.35 6.86 10 0 10 35.124 441 0.0 0.0 158 170.1 165.5 0
0 0 0 0.0 0.0 0.0 0.0 0.0 10 0 10 35.152 440 0.0 0.0
165 170.0 165.4 0 0 0 0 0.0 0.0 0.0 0.0 0.0 10 0 10 35.2
61 436 0.0 0.0 193 168.3 164.2 0 0 0 0 0.0 0.0 0.0
0.0 0.0 10 0 10 35.347 446 0.364E-10 0.897E 00 215 166.0 162.3 2 790 1040
0 0 0.0 0.0 0.0 0.0 0.0

11 0 10 34.800
700 0.139E-06 0.219E 04 75 162.7 160.0 1 0 0 0 12 6.010 -20.2 29.5 1932
.50 6.6

12 0 12 8.720 645 0.338E-07 0.563E 03 74 2
0.5 23.4 1 0 0 0 0 0.0 0.0 0.0 0.0 0.0

13 0 12 11.736 654 0.485E-07 0.800E 03 74 150.9 149.4 1 0 0 0 12 1
4.008 -28.9 29.6 1940.64 6.84 13 0 12 11.869 435 0.0 0.0 108 156.3
154.4 801 730 0 0 0.0 0.0 0.0 0.0 0.0

14 0 1[illegible] 14.[illegible]9 666 0.843E-07 0.137E 04 73 69.3 69.3 1 0 0 0 0 0.0
0.0 [illegible].0 0.0 0.0 14 0 12 15.301 432 0.0 0.0 186 50.1 50
.6 0 0 0 0 0.0 0.0 0.0 0.0 0.0 14 0 12 15.406 442 0.258E-
10 0.635E 00 213 45.6 46.2 2 0 0 0 0 0.0 0.0 0.0 0.0 0.0
14 0 12 15.976 521 0.551E-09 0.193E 02 359 21.6 23.8 4 0 0 0 0 0.0
0.0 0.0 0.0 0.0 14 0 12 17.234 427 0.204E-10 0.163E 01 681 37.5 39.1 1
8 764 729 0 0 0.0 0.0 0.0 0.0 0.0

1
5 0 12 17.925 433 0.0 0.0 94 67.4 68.2 177 141 0 0 0.0 0.
0 0.0 0.0 0.0

16 0 12 18.539 741 0.792E-06 0.8
01E 04 74 94.3 94.5 1 0 0 0 0 0.0 0.0 0.0 0.0 0.0 16 0
12 18.723 466 0.0 0.0 121 102.3 102.4 0 0 0 0 0.0 0.0
0.0 0.0 0.0 1 FILE 3 ISTRT 654 ISTOP 667
0

SWP HR MN
SEC CTS CURRENT NORM-CONC POS RAM RRAM NO SWPT PT-CH HR MN SEC LAT LONG
ALT VELOCITY C

16 0 12 19.082 466 0.110E-09 0.272E 01
213 118.0 117.8 2 0 0 0 0 0.0 0.0 0.0 0.0 0.0 16 0 12 19.2
89 432 0.0 0.0 266 127.0 126.6 0 0 0 0 0.0 0.0 0.0
0.0 0.0 16 0 12 19.648 567 0.421E-08 0.147E 03 358 142.4 141.5 4 0 0
0 0 0.0 0.0 0.0 0.0 0.0 16 0 12 20.238 430 0.921E-11 0.470E 00 509
165.9 162.5 8 0 0 0 0 0.0 0.0 0.0 0.0 0.0

16 0 12 20.816 431 0.291E-10 0.233E 01 657 161.8 158.7 18 760 724 0 0 0.0 REC 3, LENGTH 5280
0.0 0.0 0.0 0.0

17 0 12 21.503 745 0.100E-05
0.6[illegible] 04 73 133.0 131.7 1 0 0 0 12 22.007 -28.5 29.6 1948.77 6.84 1
7 [illegible]12 22.050 473 0.147E-09 0.361E 01 213 109.2 108.5 2 0 0 0 0 0.0 0.
0 0.0 0.0 0.0 17 0 12 22.620 564 0.353E-08 0.123E 03 359 84.3 84.0 4
0 0 0 0 0.0 0.0 0.0 0.0 0.0 17 0 12 23.866 430 0.251E-10 0.2
01E 01 678 30.3 31.7 18 762 724 0 0 0.0 0.0 0.0 0.0 0.0

18 0 12 24.483 726 0.464E-06 0.600E 04 74 9.9 14.5 1 0
0 0 0 0.0 0.0 0.0 0.0 0.0 18 0 12 24.815 444 0.0 0.0
159 16.4 19.8 0 0 0 0 0.0 0.0 0.0 0.0 0.0 18 0 12
25.038 452 0.477E-10 0.118E 01 216 25.0 27.4 2 0 0 0 0 0.0 0.0 0.
0 0.0 0.0 18 0 12 25.589 514 0.419E-09 0.146E 02 357 48.3 49.5 4 0
0 0 0 0.0 0.0 0.0 0.0 0.0 18 0 12 26.862 427 0.196E-10 0.157E 01
683 103.9 104.0 18 766 731 0 0 0.0 0.0 0.0 0.0 0.0

19 0 12 27.479 645 0.344E-07 0.572E 03 75 131.1 130.6 1 770 733

```
  0.0       0.0      0.0       5 22 10 45.398   537 0.108E-08   0.379E 02   345   89.1   88.3  4       0
     0     0  0  0.0        0.0      0.0       0.0      0.0       5 22 10 46.499   432 0.0          0.0
    627  125.2  124.1        761    713     0  0  0.0        0.0      0.0       0.0      0.0

                          6 22 10 47.287   565 0.101E-06   0.163E 04     68  151.0  149.4  1       0
 0     0  0  0.0        0.0      0.0       0.0      0.0       6 22 10 48.376   452 0.352E-10   0.123E 0
 347  172.9  170.4  4     762    718     0  0  0.0        0.0      0.0       0.0      0.0

                        7 22 10 50.263   702 0.218E-06   0.328E 04     68  111.4  112.0  1       0      0
  0  0  0.0        0.0      0.0       0.0      0.0       7 22 10 50.642   447 0.0          0.0          165
   99.0   99.7          0      0     0  0  0.0        0.0      0.0       0.0      0.0       7 22 10 50.794
 465 0.785E-10   0.193E 01   204   94.0   94.7  2       0      0     0  0  0.0        0.0      0.0       0
.0      0          7 22 10 51.345   556 0.256E-08   0.895E 02   345   75.9   76.8  4       0      0     0
 0  0.0        0.0      0.0       0.0      0.0       7 22 10 51.907   432 0.382E-11   0.195E 00   489   5
7.5   58.6  8     758    714     0  0  0.0        0.0      0.0       0.0      0.0

            8 22 10 53.224   726 0.658E-06   0.741E 04     68   14.8   17.2  1       0      0   22 10 5
3.816      1.3   113.4   2180.51     6.64      8 22 10 53.513   461 0.0          0.0          142    5.6
   9.6          0      0     0  0  0.0        0.0      0.0       0.0      0.0       8 22 10 53.634   452 0.0
         0.0          173     2.5     7.8          0      0     0  0  0.0        0.0      0.0       0.0      0
.0       8 22 10 53.751   512 0.290E-09   0.713E 01   203     3.4     7.7  2       0      0     0  0  0.0
      0.0      0.0       0.0      0.0       8 22 10 54.306   577 0.666E-08   0.232E 03   345   20.9   21
.3  4     758    709     0  0  0.0        0.0      0.0       0.0      0.0

    9 22 10 56.183   707 0.293E-06   0.422E 04     68   82.3   81.6  1       0      0     0  0  0.0
  0.0      0.0       0.0      0.0       9 22 10 56.394   447 0.0          0.0          122   89.2   88.5
       0      0     0  0  0.0        0.0      0.0       0.0      0.0       9 22 10 56.718   452 0.339E-10
 0.836E 00   205   99.9   99.0  2       0      0     0  0  0.0        0.0      0.0       0.0      0.0
9 22 10 57.257   502 0.194E-09   0.679E 01   343  117.5  116.5  4     762    717     0  0  0.0        0.
0      0.0       0.0      0.0
                                                                  10 22 10 59.160   665 0.104E-06   0.1
67E 04     68  177.8  172.5  1       0      0   22 11  1.814      1.0   113.4   2188.15     6.63    10 22
 10 59.324   446 0.0          0.0          110  174.3  171.3          0      0     0  0  0.0        0.0
  0.0       0.0      0.0      10 22 10 59.386   444 0.0          0.0          126  172.3  170.1          0
     0     0  0  0.0        0.0      0.0       0.0      0.0  1  FILE   1   ISTRT   647  ISTOP   660
                                                                                                  0

                        SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-
CH  HR MN  SEC        LAT    LONG       ALT  VELOCITY 0
                                                                                          10 22 10 59.6
91   442 0.146E-10   0.359E 00   204  162.5  161.9  2       0      0     0  0  0.0        0.0      0.0
   0.0      0.0      10 22 11  0.242   464 0.777E-10   0.272E 01   345  144.5  144.7  4       0      0
  0  0  0.0        0.0      0.0       0.0      0.0      10 22 11  0.374   431 0.0          0.0          379
  140.2  140.4          0      0     0  0  0.0        0.0      0.0       0.0      0.0

   10 22 11  0.531   434 0.0          0.0          419  135.1  135.4        761    717     0  0  0.0        REC      3, LENGTH  5280
  0.0      0.0       0.0      0.0
                                                                      11 22 11  2.130   712 0.343E-06
 0.479E 04     68   83.1   83.9  1       0      0     0  0  0.0        0.0      0.0       0.0      0.0      1
1 22 11  2.239   473 0.0          0.0           96   79.5   80.4        757    169     0  0  0.0        0.
0      0.0       0.0      0.0
                                                                  12 22 11  5.087   726 0.664E-06   0.7
45E 04     68   14.0   15.0  1       0      0     0  0  0.0        0.0      0.0       0.0      0.0     12 22
 11  5.407   454 0.0          0.0          150   24.5   24.7          0      0     0  0  0.0        0.0
  0.0       0.0      0.0      12 22 11  5.532   445 0.0          0.0          182   28.6   28.6          0
     0     0  0  0.0        0.0      0.0       0.0      0.0      12 22 11  5.618   505 0.220E-09   0.543E
01   204   31.4   31.3  2       0      0     0  0  0.0        0.0      0.0       0.0      0.0     12 22 11
 6.161   571 0.466E-08   0.163E 03   343   49.1   48.7  4       0      0     0  0  0.0        0.0      0.
0      0.0       0.0      12 22 11  6.438   434 0.0          0.0          414   58.2   57.7        759   7
15     0  0  0.0        0.0      0.0       0.0      0.0
                                                                                          13 22 11  8.0
28   623 0.151E-07   0.254E 03     62  110.0  109.0  1       0      0   22 11  9.812      0.6   113.4
2195.76     6.63    13 22 11  8.056   675 0.162E-06   0.251E 04     69  110.8  109.9          0      0
```

```
 0  0  0.0        0.0      0.0       0.0      0.0      13 22 11  8.591    440 0.113E-10    0.279E 00    206
  128.4  127.2  2        0      0    0  0  0.0        0.0      0.0       0.0      0.0      13 22 11  9.138
 456 0.486E-10    0.170E 01    346  146.3  144.9  4       0      0    0  0  0.0        0.0      0.0       0
.0      0.0      13 22 11  9.212    434 0.0          0.0          365  148.7  147.2        762    714     0
 0  0.0        0.0      0.0      0.0      0.0
                                                                                          14 22 11 11.031    670
 0.123E-06    0.196E 04     69  151.5  151.5  1       0      0    0  0  0.0        0.0      0.0       0.0
   0.0      14 22 11 11.167    454 0.0          0.0          104  147.1  147.2          0      0    0  0
0.0        0.0      0.0      0.0      0.0      14 22 11 11.230    446 0.0          0.0          120  145.0
 145.2          0      0    0  0  0.0        0.0      0.0      0.0      0.0      14 22 11 11.531    437 0.9
86E-11    0.243E 00    197  135.2  135.5  2       0      0    0  0  0.0        0.0      0.0       0.0       0
.0      14 22 11 11.566    443 0.177E-10    0.437E 00    206  134.0  134.4  2       0      0    0  0  0.0
      0.0      0.0      0.0      0.0      14 22 11 11.968    433 0.0          0.0          309  120.8  121
.4        0      0    0  0  0.0        0.0      0.0      0.0      0.0      14 22 11 12.109    510 0.281E-
09    0.981E 01    345  116.2  116.8  4    760    716    0  0  0.0        0.0      0.0       0.0       0.0

                                        15 22 11 13.995    720 0.481E-06    0.616E 04     68   54.4   55.5
1       0      0    0  0  0.0        0.0      0.0      0.0      0.0      15 22 11 14.295    460 0.0
 0.0          145   44.6   45.8          0      0    0  0  0.0        0.0      0.0       0.0       0.0       1
5 22 11 14.401    453 0.0          0.0          172   41.1   42.4          0      0    0  0  0.0        0.
0      0.0      0.0      0.0      15 22 11 14.522    506 0.227E-09    0.560E 01    203   37.2   38.5  2
   0      0    0  0  0.0        0.0      0.0      0.0      0.0      15 22 11 15.073    600 0.715E-08    0.2
49E 03    344   19.2   21.1  4       0      0    0  0  0.0        0.0      0.0       0.0       0.0      15 22
 11 15.647    435 0.949E-11    0.485E 00    491    2.1    7.4  8       0      0    0  0  0.0        0.0
  0.0      0.0      0.0      15 22 11 16.198    436 0.0          0.0          632   17.9   18.5          0
    0    0  0  0.0        0.0      0.0      0.0      0.0      15 22 11 16.393    431 0.915E-11    0.731E
00    682   24.3   24.5 18    757    713    0  0  0.0        0.0      0.0       0.0       0.0

                                 16 22 11 16.957    722 0.547E-06    0.668E 04     69   42.4   42.0  1       0
 0    22 11 17.810      0.3    113.5   2203.36    6.62    16 22 11 17.187    456 0.0          0.0
 128   49.9   49.5          0      0    0  0  0.0        0.0      0.0       0.0      16 22 11 17.4
80    502 0.178E-09    0.437E 01    203   59.5   59.0  2       0      0    0  0  0.0        0.0       0.0
   0.0      0.0      16 22 11 18.031    550 0.179E-08    0.626E 02    344   77.6   76.8  4    761    713
  0  0  0.0        0.0      0.0      0.0      0.0

   17 22 11 19.923    666 0.110E-06    0.176E 04     68  139.5  138.2  1       0      0    0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0      0.0      0.0      17 22 11 21.012    452 0.360E-10    0.126E 01    347  174.9  170.8
4       0      0    0  0  0.0        0.0      0.0      0.0      0.0      17 22 11 21.149    433 0.0
 0.0          382  178.0  172.6        763    718    0  0  0.0        0.0      0.0       0.0       0.0

                                 18 22 11 22.904    677 0.184E-06    0.282E 04     68  122.7  123.2  1
   0      0    0  0  0.0        0.0      0.0      0.0      0.0      18 22 11 23.095    453 0.0          0.0
          117  116.4  117.0          0      0    0  0  0.0        0.0      0.0       0.0       0.0      18 22
 11 23.400    442 0.147E-10    0.362E 00    195  106.4  107.1  2       0      0    0  0  0.0        0.0
  0.0      0.0      0.0      18 22 11 23.431    464 0.732E-10    0.180E 01    203  105.4  106.1  2       0
    0    0  0  0.0        0.0      0.0      0.0      0.0      18 22 11 23.986    545 0.149E-08    0.520E
02    345   87.2   88.0  4       0      0    0  0  0.0        0.0      0.0       0.0       0.0      18 22 11
24.130    433 0.0          0.0          382   82.5   83.3        758    714    0  0  0.0        0.0       0.
0       0.0      0.0  1  FILE    1   ISTRT    640  ISTOP    654
                                                                  0
                                                                                          SWP  HR  MN    SE
C     CTS   CURRENT     NORM-CONC    POS     RAM    FRAM NO    SWFT  PT-CH   HR  MN  SEC        LAT     LONG
  ALT   VELOCITY 0

                                                                                          19 22 11 25.865
 725 0.639E-06    0.730E 04     68   26.0   27.7  1       0      0   22 11 25.808     -0.0    113.5   2210
.93     6.62     19 22 11 26.388    507 0.254E-09    0.626E 01    202    9.0   12.0  2       0      0    0
 0  0.0        0.0      0.0      0.0      0.0      19 22 11 26.497    440 0.113E-10    0.279E 00    230
5.6     9.4  2       0      0    0  0  0.0        0.0      0.0      0.0      0.0      19 22 11 26.943    600
 0.715E-08    0.249E 03    344    9.6   11.2  4    757    710    0  0  0.0        0.0      0.0       0.0
   0.0
                                        20 22 11 28.824    713 0.368E-06    0.506E 04     69   71.0
```

```
                                                FILE NO          33          OCT  31          Q
UITOE          PASS NO        3986          TEMP    22.435                          1

                1  23-3  33     OCT 31, 66  10 QUITOE     PASS NO   3986     TEMP   22.435     PERIO
D   11.461      AXIS ANG   81.157
        L          1.48     MAG LAT   14.56     MAG LONG  -12.67                    L1   279    L2
358    L3   437    A 0.343E-11    B 0.134E-10    C 0.264E 01                    LIMH  50   IPOSC  5
0              LP1   277   LP2   345   LP3   421   AP 0.586E-11   BP 0.214E-10   CP 0.275E 01   SET
VALUE   2    N B   0                          0
                                                                                SWP HR MN   SEC    CTS
  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  V
ELOCITY 0

                                                                            1 10 53 14.312   712 0.3
43E-06   0.479E 04    61   61.0   61.9  1      0      0    0  0  0.0       0.0      0.0      0.0     0
.0       1 10 53 14.457   470 0.0          0.0          98   56.5   57.5          0      0    0  0  0.0
      0.0      0.0      0.0      0.0       1 10 53 14.840   477 0.154E-09   0.380E 01   196   44.5   45
.7  2      0      0    0  0  0.0        0.0      0.0      0.0      0.0       1 10 53 14.949   440 0.113E-
10   0.278E 00   224   41.1   42.4  2      0      0    0  0  0.0        0.0      0.0      0.0      0.0
    1 10 53 15.386   603 0.824E-08   0.287E 03   336   27.5   29.2  4      0      0    0  0  0.0
  0.0      0.0      0.0      0.0       1 10 53 15.953   441 0.173E-10   0.883E 00   481   10.2   13.7
8    746   608    0  0  0.0        0.0      0.0      0.0      0.0

2 10 53 17.550   451 0.0          0.0          144   41.0   41.1          0      0    0  0  0.0        0.
0      0.0      0.0      0.0       2 10 53 17.636   443 0.0          0.0          166   43.7   43.7
 276   172    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                                  3 10
 53 18.289   563 0.245E-08   0.415E 02    57   64.1   63.8  1    477   429    0  0  0.0        0.0
  0.0      0.0      0.0
                                                                4 10 53 20.144   662 0.862E-07   0.140E
04    55  121.8  120.8  1      0      0   10 53 21.533     6.2   -82.6   2177.97    6.64     4 10 53
21.222   445 0.225E-10   0.788E 00   331  155.4  153.6  4      0      0    0  0  0.0        0.0      0.
0      0.0      0.0       4 10 53 22.222   432 0.0          0.0          587  171.8  168.6        752   6
98    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                          5 10 53 23.2
63   447 0.0          0.0          102  140.0  139.8          0      0    0  0  0.0        0.0      0.0
   0.0      0.0       5 10 53 23.299   442 0.0          0.0          111  138.9  138.7          0      0
  0  0  0.0        0.0      0.0      0.0      0.0       5 10 53 23.607   444 0.0          0.0          190
  129.2  129.3          0      0    0  0  0.0        0.0      0.0      0.0      0.0

    5 10 53 23.927   433 0.0          0.0          272  119.2  119.4          0      0    0  0  0.0        REC      2, LENGTH  5280
  0.0      0.0      0.0      0.0       5 10 53 24.154   524 0.556E-09   0.194E 02   330  112.1  112.4
4    743   699    0  0  0.0        0.0      0.0      0.0      0.0

6 10 53 25.997   714 0.384E-06   0.523E 04    59   54.3   55.4  1      0      0    0  0  0.0        0.
0      0.0      0.0      0.0       6 10 53 26.525   500 0.0          0.0          194   37.9   39.2
   0      0    0  0  0.0        0.0      0.0      0.0      0.0       6 10 53 26.587   437 0.101E-10   0.2
48E 00   210   35.9   37.3  2      0      0    0  0  0.0        0.0      0.0      0.0      0.0       6 10
 53 27.072   605 0.950E-08   0.331E 03   334   20.9   23.0  4      0      0    0  0  0.0        0.0
```

1 REC 1, LENGTH 5280

DUPE OF D-11069
START JAN 4 1967
STOP JAN 7 1967

```
                                                FILE NO          4          JAN   4          J
OBURG          PASS NO        4755          TEMP    44.346                          1

                1  29-2   4     JAN  4, 67   1 JOBURG     PASS NO   4755     TEMP    44.346     PERIO
D   50.747     AXIS ANG  -68.202
        L          1.48     MAG LAT  -18.81     MAG LONG   79.04                      L1   276    L2
356    L3   438    A 0.474E-11    B 0.149E-10    C 0.255E 01                      LIMH  50   IPOSC  5
0              LP1   272   LP2   346   LP3   421   AP 0.514E-11   BP 0.142E-10   CP 0.278E 01   SET
VALUE   3    N B   1                          0
                                                                                  SWP HR MN   SEC    CTS
  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  V
ELOCITY 0

                                                                                1  8 37 30.144   546 0.1
30E-08   0.220E 02    57   69.5   70.1  1      0     0    0  0  0.0        0.0     0.0      0.0     0
.0      1  8 37 30.257   626 0.176E-07   0.296E 03    86   68.7   69.3        205   160    0  0  0.0
      0.0     0.0      0.0     0.0
                                                                          2  8 37 30.980   661 0.771E-
07   0.125E 04    66   63.8   64.3  1      0     0    0  0  0.0        0.0     0.0      0.0     0.0
    2  8 37 31.511   454 0.510E-10   0.126E 01   202   60.2   60.7  2      0     0    0  0  0.0
  0.0     0.0      0.0     0.0      2  8 37 32.054   570 0.487E-08   0.170E 03   341   56.5   56.9
4      0     0    0  0  0.0       0.0     0.0      0.0     0.0      2  8 37 32.519   440 0.210E-10
 0.103E 01   460   53.4   53.8  7      0     0    0  0  0.0       0.0     0.0      0.0     0.0
2  8 37 32.620   542 0.186E-08   0.949E 02   486   52.7   53.1  8      0     0    0  0  0.0       0.
0     0.0      0.0     0.0      2  8 37 33.081   610 0.240E-07   0.164E 04   604   49.7   49.9 14
   0     0    0  0  0.0       0.0     0.0      0.0     0.0      2  8 37 33.140   441 0.483E-10   0.3
52E 01   619   49.3   49.5 15      0     0    0  0  0.0       0.0     0.0      0.0     0.0      2  8
 37 33.191   701 0.655E-06   0.376E 05   632   48.9   49.2 16      0     0    0  0  0.0       0.0
  0.0     0.0      0.0      2  8 37 33.242   457 0.221E-09   0.176E 02   645   48.6   48.8 18      0
    0    0  0  0.0       0.0     0.0      0.0     0.0      2  8 37 33.288   466 0.355E-09   0.284E
02   657   48.3   48.5 18    749   704    0  0  0.0       0.0     0.0      0.0     0.0

                        3  8 37 33.905   670 0.116E-06   0.185E 04    66   44.2   44.3  1      0
 0    0  0  0.0       0.0     0.0      0.0     0.0      3  8 37 33.983   463 0.662E-10   0.112E 01
  86   43.7   43.8  2      0     0    0  0  0.0       0.0     0.0      0.0     0.0      3  8 37 34.0
49   452 0.0         0.0         103   43.3   43.4      0     0    0  0  0.0       0.0     0.0
   0.0     0.0      3  8 37 34.432   461 0.740E-10   0.182E 01   201   40.8   40.8  2      0     0
  0  0  0.0       0.0     0.0      0.0     0.0      3  8 37 34.725   431 0.0         0.0         276
   38.9   38.8         0     0    0  0  0.0       0.0     0.0      0.0     0.0

    3  8 37 34.979   577 0.702E-08   0.245E 03   341   37.3   37.1  4    390   349    0  0  0.0        REC     2, LENGTH  5280
  0.0     0.0      0.0     0.0
                                                                          4  8 37 35.441   440 0.138E-10
 0.234E 00    69   34.4   34.1  1      0     0    0  0  0.0       0.0     0.0      0.0     0.0
4  8 37 35.995   625 0.225E-07   0.548E 03   211   30.9   30.5  2      0     0    0  0  0.0       0.
0     0.0      0.0     0.0      4  8 37 36.054   455 0.579E-10   0.143E 01   226   30.6   30.1  2
   0     0    0  0  0.0       0.0     0.0      0.0     0.0      4  8 37 36.105   725 0.0         0.0
         239   30.3   29.8         0     0    0  0  0.0       0.0     0.0      0.0     0.0      4  8
 37 36.206   514 0.0         0.0         265   29.7   29.1      0     0    0  0  0.0       0.0
```

```
 0.0       0.0       0.0       4   8 37 36.296    441 0.0          0.0          288    29.1    28.5        357
  312     0  0  0.0        0.0       0.0       0.0       0.0
                                                                                                   5   8 37
36.823    674 0.144E-06    0.227E 04     66    25.7    24.8  1       0       0     8 37 36.642    -25.0     12.
3    758.10     7.92      5  8 37 37.018    450 0.0          0.0          116    24.6    23.6          0
 0    0  0  0.0        0.0       0.0       0.0       0.0       5  8 37 37.229    441 0.0          0.0
 170    23.4    22.4          0       0    0  0  0.0       0.0       0.0       0.0       0.0       5  8 37 37.2
64    437 0.0          0.0          179    23.3    22.1          0       0       0  0  0.0       0.0       0.0
   0.0       0.0       5  8 37 37.350    466 0.103E-09    0.255E 01    201    22.8    21.6  2       0       0
  0  0  0.0        0.0       0.0       0.0       0.0       5  8 37 37.897    600 0.766E-08    0.267E 03    341
   20.2    18.6  4       0       0    0  0  0.0       0.0       0.0       0.0       0.0       5  8 37 38.350
 440 0.217E-10    0.106E 01    457    18.3    16.3  7       0       0       0  0  0.0       0.0       0.0       0
.0       0.0       5  8 37 38.909    625 0.489E-07    0.331E 04    600    16.5    [illegible] 14       0       0       0
 0  0.0        0.0       0.0       0.0       0.0       5  8 37 39.018    724 0.158E-05    0.968E 05    628     1
6.2    13.6 16       0       0    0  0  0.0       0.0       0.0       0.0       0.0       5  8 37 39.112    513
 0.132E-08    0.105E 03    652    16.0    13.3 18       0       0       0  0  0.0       0.0       0.0       0.0
   0.0       5  8 37 39.206    440 0.783E-10    0.651E 01    676    15.9    13.1 20     746    701       0  0
0.0       0.0       0.0       0.0       0.0
                                                                                                   6  8 37 39.731    675 0.1
55E-06    0.242E 04     65    15.4    12.2  1       0       0       0  0  0.0       0.0       0.0       0.0       0
.0       6  8 37 40.000    447 0.0          0.0          134    15.5    12.2          0       0       0  0  0.0
      0.0       0.0       0.0       0.0       6  8 37 40.168    443 0.0          0.0          177    15.6    12
.3          0       0       0  0  0.0       0.0       0.0       0.0       0.0       6  8 37 40.262    466 0.102E-
09    0.252E 01    201    15.8    12.4  2       0       0       0  0  0.0       0.0       0.0       0.0       0.0
    6  8 37 40.805    602 0.827E-08    0.288E 03    340    17.0    13.7  4       0       0       0  0  0.0
  0.0       0.0       0.0       0.0       6  8 37 41.368    552 0.284E-08    0.145E 03    484    19.1    16.0
8       0       0       0  0  0.0       0.0       0.0       0.0       0.0       6  8 37 41.817    617 0.352E-07
 0.240E 04    599    21.1    18.2 14       0       0       0  0  0.0       0.0       0.0       0.0       0.0
6  8 37 41.922    714 0.119E-05    0.630E 05    626    21.6    18.7 16       0       0       0  0  0.0       0.
0       0.0       0.0       0.0       6  8 37 42.024    502 0.770E-09    0.615E 02    652    22.1    19.3 18
 746    702       0  0  0.0        0.0       0.0       0.0       0.0
                                                                                                   7  8
37 42.646    677 0.173E-06    0.268E 04     65    25.7    23.1  1       0       0     8 37 44.639    -24.5
 12.4     763.77     7.91      7  8 37 42.787    460 0.0          0.0          101    26.5    24.0          0
     0       0  0  0.0        0.0       0.0       0.0       0.0  1  FILE    4    ISTRT    524  ISTOP    643
                                                                                                   0


                         SWP HR MN    SEC     CTS  CURRENT     NORM-CONC    POS     RAM    RRAM NO    SWPT PT-
CH   HR MN   SEC        LAT     LONG       ALT  VELOCITY 0
                                                                                                   7  8 37 42.9
19    453 0.0          0.0          135    27.3    24.8          0       0       0  0  0.0       0.0       0.0
   0.0       0.0       7  8 37 43.087    450 0.0          0.0          178    28.3    25.9          0       0
  0  0  0.0        0.0       0.0       0.0       0.0       7  8 37 43.177    470 0.120E-09    0.296E 01    201
   28.8    26.4  2       0       0    0  0  0.0       0.0       0.0       0.0       0.0

    7  8 37 43.279    444 0.273E-10    0.673E 00    227    29.4    27.1  2       0       0       0  0  0.0       REC      3, LENGTH  5280
  0.0       0.0       0.0       0.0       7  8 37 43.419    437 0.0          0.0          263    30.2    27.9
      0       0       0  0  0.0       0.0       0.0       0.0       0.0       7  8 37 43.724    600 0.745E-08
 0.260E 03    341    32.1    29.9  4       0       0       0  0  0.0       0.0       0.0       0.0       0.0
7  8 37 44.279    545 0.210E-08    0.107E 03    483    35.6    33.5  8       0       0       0  0  0.0       0.
0       0.0       0.0       0.0       7  8 37 44.732    607 0.221E-07    0.151E 04    599    38.5    36.5 14
    0       0       0  0  0.0       0.0       0.0       0.0       0.0       7  8 37 44.841    677 0.595E-06    0.3
51E 05    627    39.2    37.2 16       0       0       0  0  0.0       0.0       0.0       0.0       0.0       7  8
 37 44.943    472 0.459E-09    0.367E 02    653    39.8    37.9 18     747    698       0  0  0.0       0.0
  0.0       0.0       0.0
                                                                                                   8  8 37 45.564    676 0.164E-06    0.255E
04     66    43.9    42.1  1       0       0       0  0  0.0       0.0       0.0       0.0       0.0       8  8 37
45.927    455 0.0          0.0          159    46.3    44.5          0       0       0  0  0.0       0.0       0.
0       0.0       0.0       8  8 37 46.095    467 0.109E-09    0.269E 01    202    47.4    45.7  2       0
 0       0  0  0.0        0.0       0.0       0.0       0.0       8  8 37 46.365    437 0.0          0.0
 271    49.2    47.5          0       0    0  0  0.0       0.0       0.0       0.0       0.0       8  8 37 46.6
42    576 0.668E-08    0.233E 03    342    51.0    49.4  4       0       0       0  0  0.0       0.0       0.0
   0.0       0.0       8  8 37 47.099    437 0.186E-10    0.911E 00    459    54.1    52.5  7       0       0
```

```
    658     0.0     0.0     715    660     0   0   0.0         0.0       0.0       0.0       0.0

                                 4 22 33 22.646    643 0.281E-07    0.469E 03     64     0.0     0.0  1        0
 0    0   0   0.0         0.0       0.0        0.0       0.0        4 22 33 23.166    446 0.386E-10    0.952E 00
 197     0.0     0.0  2        0        0        0   0   0.0         0.0       0.0        0.0       0.0        4 22 33 23.6
 89    603 0.778E-08    0.271E 03    331     0.0     0.0  4        0        0        0   0   0.0         0.0       0.0
   0.0       0.0        4 22 33 24.130    432 0.928E-11    0.454E 00    444     0.0     0.0  7        0        0
 0   0   0.0         0.0       0.0        0.0       0.0        4 22 33 24.232    523 0.854E-09    0.436E 02    470
   0.0     0.0  8        0        0        0   0   0.0         0.0       0.0        0.0       0.0        4 22 33 24.673
 625 0.386E-07    0.262E 04    583     0.0     0.0 14        0        0        0   0   0.0         0.0       0.0        0
.0       0.0        4 22 33 24.775    731 0.147E-05    0.768E 05    609     0.0     0.0 16        0        0        0
 0   0.0         0.0       0.0        0.0       0.0        4 22 33 24.869    475 0.653E-09    0.522E 02    633
0.0     0.0 18     711    661     0   0   0.0         0.0       0.0       0.0       0.0

                5 22 33 25.423    642 0.267E-07    0.446E 03     64     0.0     0.0  1        0        0        0   0
0.0         0.0       0.0        0.0       0.0        5 22 33 25.939    444 0.327E-10    0.805E 00    196     0.0
   0.0  2        0        0        0   0   0.0         0.0       0.0       0.0       0.0        5 22 33 26.462    603 0.7
91E-08    0.276E 03    330     0.0     0.0  4        0        0        0   0   0.0         0.0       0.0       0.0        0
.0        5 22 33 27.009    522 0.0         0.0         470     0.0     0.0        0        0        0   0   0.0
     0.0       0.0       0.0       0.0        5 22 33 27.446    617 0.345E-07    0.256E 04    582     0.0        0
.0 16        0        0        0   0   0.0         0.0       0.0       0.0       0.0        5 22 33 27.552    714 0.101E-
05    0.555E 05    609     0.0     0.0 18        0        0        0   0   0.0         0.0       0.0       0.0       0.0
    5 22 33 27.646    455 0.0         0.0         633     0.0     0.0        711    660     0   0   0.0
  0.0       0.0       0.0       0.0
                                                                                  6 22 33 28.201    641 0.254E-07
 0.425E 03     64     0.0     0.0  1        0        0    22 33 29.376     24.9   -170.4     600.57     8.08
6 22 33 28.721    443 0.289E-10    0.713E 00    197     0.0     0.0  2        0        0        0   0   0.0         0.
0       0.0       0.0       0.0        6 22 33 29.248    602 0.721E-08    0.251E 03    332     0.0     0.0  4
   0        0        0   0   0.0         0.0       0.0       0.0       0.0        6 22 33 29.791    521 0.0         0.0
         471     0.0     0.0        0        0        0   0   0.0         0.0       0.0       0.0       0.0        6 22
 33 30.240    575 0.143E-07    0.106E 04    586     0.0     0.0 16        0        0        0   0   0.0         0.0
  0.0       0.0       0.0        6 22 33 30.346    666 0.325E-06    0.233E 05    613     0.0     0.0 18        0
    0   0   0   0.0         0.0       0.0       0.0       0.0  1  FILE  15    ISTRT    498  ISTOP    610
                                                                                                                  0

                     SWP HR MN    SEC     CTS  CURRENT     NORM-CONC    POS     RAM    RRAM NO    SWPT PT-
CH   HR MN   SEC        LAT     LONG       ALT  VELOCITY 0
                                                                                                  6 22 33 30.4
39    436 0.0         0.0         637     0.0     0.0        717    663     0   0   0.0         0.0       0.0
   0.0       0.0
                                                                  7 22 33 31.005    636 0.218E-07    0.366E 03     65
   0.0     0.0  1        0        0        0   0   0.0         0.0       0.0       0.0       0.0

    7 22 33 31.532    437 0.184E-10    0.452E 00    200     0.0     0.0  2        0        0        0   0   0.0        REC      3, LENGTH  5280
  0.0       0.0       0.0       0.0        7 22 33 32.063    573 0.519E-08    0.181E 03    336     0.0     0.0
4        0        0        0   0   0.0         0.0       0.0       0.0       0.0        7 22 33 32.626    504 0.363E-09
 0.186E 02    480     0.0     0.0  8        0        0        0   0   0.0         0.0       0.0       0.0       0.0
7 22 33 33.091    540 0.262E-08    0.181E 03    599     0.0     0.0 14        0        0        0   0   0.0         0.
0       0.0       0.0       0.0        7 22 33 33.200    624 0.455E-07    0.336E 04    627     0.0     0.0 16
 736    685     0   0   0.0         0.0       0.0       0.0       0.0
                                                                                                                 8 22
 33 33.880    622 0.119E-07    0.201E 03     65     0.0     0.0  1        0        0        0   0   0.0         0.0
  0.0       0.0       0.0        8 22 33 34.962    545 0.165E-08    0.577E 02    342     0.0     0.0  4     754
   696     0   0   0.0         0.0       0.0       0.0       0.0
                                                                                                                 9 22 33
36.829    614 0.860E-08    0.145E 03     66     0.0     0.0  1        0        0    22 33 37.374     24.3   -170.
3    604.34     8.07       9 22 33 37.923    507 0.341E-09    0.119E 02    346     0.0     0.0  4     760    7
06     0   0   0.0         0.0       0.0       0.0       0.0
                                                                                                  10 22 33 39.8
00    563 0.249E-08    0.421E 02     67     0.0     0.0  1        0        0        0   0   0.0         0.0       0.0
   0.0       0.0       10 22 33 40.893    447 0.453E-10    0.159E 01    347     0.0     0.0  4     761    711
  0   0   0.0         0.0       0.0       0.0       0.0
                                                                                                 11 22 33 42.772
 553 0.168E-08    0.285E 02     67     0.0     0.0  1     760    710    22 33 45.372     23.8   -170.2     608
```

```
.19    8.07
                                                12 22 33 45.739   557 0.203E-08   0.343E 02    67
0.0     0.0  1    761   710    0  0  0.0        0.0      0.0       0.0      0.0

          13 22 33 48.712   564 0.255E-08   0.432E 02    67    0.0     0.0  1       0      0     0  0
0.0        0.0      0.0       0.0      0.0     13 22 33 49.802   474 0.183E-09   0.639E 01   346    0.0
  0.0  4    760   709    0  0  0.0        0.0      0.0       0.0      0.0

        14 22 33 51.680   605 0.604E-08   0.102E 03    67    0.0     0.0  1       0      0   22 33 53.37
0    23.3  -170.2    612.10    8.07    14 22 33 52.766   517 0.532E-09   0.186E 02   345    0.0     0
.0  4       0      0    0  0  0.0        0.0      0.0       0.0      0.0     14 22 33 53.340   434 0.164E-
10   0.836E 00   492    0.0     0.0  8       0      0    0  0  0.0        0.0      0.0       0.0      0.0
   14 22 33 53.809   432 0.180E-10   0.125E 01   612    0.0     0.0 14       0      0    0  0  0.0
  0.0      0.0      0.0      0.0     14 22 33 53.922   456 0.192E-09   0.144E 02   641    0.0     0.0 1
6    758   703    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                      1
5 22 33 54.639   621 0.112E-07   0.189E 03    67    0.0     0.0  1       0      0    0  0  0.0        0.
0     0.0      0.0      0.0     15 22 33 54.729   447 0.315E-10   0.533E 00    90    0.0     0.0  4
   0      0    0  0  0.0        0.0      0.0       0.0      0.0     15 22 33 55.076   442 0.0          0.0
        179    0.0      0.0       0      0    0  0  0.0        0.0      0.0       0.0      0.0     15 22
 33 55.717   564 0.242E-08   0.846E 02   343    0.0     0.0  4       0      0    0  0  0.0        0.0
  0.0      0.0      0.0     15 22 33 56.283   463 0.139E-09   0.709E 01   488    0.0     0.0  8       0
     0    0  0  0.0        0.0      0.0       0.0      0.0     15 22 33 56.744   541 0.278E-08   0.192E
03   606    0.0     0.0 14       0      0    0  0  0.0        0.0      0.0       0.0      0.0     15 22 33
56.857   645 0.107E-06   0.774E 04   635    0.0     0.0 16       0      0    0  0  0.0        0.0      0.
0      0.0      0.0     15 22 33 56.967   434 0.440E-10   0.351E 01   663    0.0     0.0 18    747   6
97    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                  16 22 33 57.5
53   640 0.242E-07   0.404E 03    66    0.0     0.0  1       0      0    0  0  0.0        0.0      0.0
   0.0      0.0     16 22 33 57.654   466 0.0          0.0          92    0.0     0.0          0      0
  0  0  0.0        0.0      0.0       0.0      0.0     16 22 33 58.150   451 0.490E-10   0.121E 01   219
    0.0      0.0  2       0      0    0  0  0.0        0.0      0.0       0.0      0.0

   16 22 33 58.615   576 0.604E-08   0.211E 03   338    0.0     0.0  4       0      0    0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0      0.0      0.0     16 22 33 59.166   516 0.644E-09   0.329E 02   479    0.0     0.0
8       0      0    0  0  0.0        0.0      0.0       0.0      0.0     16 22 33 59.623   620 0.313E-07
 0.213E 04   596    0.0     0.0 14       0      0    0  0  0.0        0.0      0.0       0.0      0.0     1
6 22 33 59.732   736 0.192E-05   0.992E 05   624    0.0     0.0 16       0      0    0  0  0.0        0.
0     0.0      0.0      0.0     16 22 33 59.928   435 0.587E-10   0.488E 01   674    0.0     0.0 20
 731   680    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                  17 22
 34  0.405   646 0.331E-07   0.551E 03    65    0.0     0.0  1       0      0   22 34  1.368    22.8  -
170.1    616.09    8.06    17 22 34  0.921   457 0.772E-10   0.190E 01   197    0.0     0.0  2       0
    0    0  0  0.0        0.0      0.0       0.0      0.0     17 22 34  1.456   605 0.850E-08   0.296E
03   334    0.0     0.0  4       0      0    0  0  0.0        0.0      0.0       0.0      0.0     17 22 34
 1.889   433 0.0          0.0          445    0.0     0.0       0      0    0  0  0.0        0.0      0.
0      0.0      0.0  1  FILE  15   ISTRT   499  ISTOP   612
                                                0
                                                                                  SWP  HR MN    SE
C    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT     LONG
  ALT  VELOCITY 0
                                                17 22 34  1.999   527 0.0          0.0          473
    0.0     0.0          0      0    0  0  0.0        0.0      0.0       0.0      0.0     17 22 34  2.335
 434 0.266E-10   0.164E 01   559    0.0     0.0 14       0      0    0  0  0.0        0.0      0.0       0
.0      0.0     17 22 34  2.448   636 0.754E-07   0.550E 04   588    0.0     0.0 16       0      0     0
 0  0.0       0.0      0.0      0.0      0.0     17 22 34  2.557   761 0.0          0.0          616
0.0     0.0          0      0    0  0  0.0        0.0      0.0       0.0      0.0     17 22 34  2.651   531
0.0          0.0          640    0.0     0.0       0      0    0  0  0.0        0.0      0.0       0.0
   0.0     17 22 34  2.741   445 0.0          0.0          663    0.0     0.0       719   665    0  0
0.0      0.0      0.0      0.0      0.0
                                                                                18 22 34  3.207   650 0.3
62E-07   0.601E 03    64    0.0     0.0  1       0      0    0  0  0.0        0.0      0.0       0.0      0
.0     18 22 34  3.602   446 0.0          0.0          165    0.0     0.0       0      0    0  0  0.0
     0.0      0.0      0.0      0.0     18 22 34  3.684   444 0.0          0.0          186    0.0     0
.0       0      0    0  0  0.0        0.0      0.0       0.0      0.0     18 22 34  3.723   451 0.503E-
```

DATA SET CATALOG # 182

2 of 2

65-098B-05B

EXPLORER 31

ION AND DENSITY

This data set consists of one IBM 360, 800 BPI, 7 track, BCD, Magnetic tape. An IBM 360 utility IEBGENER was used to print the tape in a desirable format. A listing of this program and sample output is included in the DSC.

D#	C#	FILE	START/STOP
D-08794	C-07732	68	04/12/67 - 04/23/67

32 Tapes were added to this data set.

D#	C#	Files	Start	Stop
D-12138	C-09434	68	3/26/67	4/11/67
D-12139	C-09435	68	4/12/67	4/23/67
D-12140	C-09436	55	4/23/67	4/29/67
D-12141	C-09437	68	4/30/67	5/11/67
D-12142	C-09438	68	5/16/67	5/21/67
D-12143	C-09439	48	5/22/67	5/30/67
D-12144	C-09440	68	5/30/67	6/08/67
D-12145	C-09441	68	6/10/67	6/21/67
D-12146	C-09442	49	6/21/67	6/29/67
D-12147	C-09443	2	6/24/67	6/24/67
D-12235	C-09540	68	6/29/67	7/09/67
D-12234	C-09541	68	7/09/67	7/16/67
D-12233	C-09542	68	7/17/67	7/24/67
D-12231	C-09543	2	8/02/67	8/02/67
D-12230	C-09544	68	8/02/67	8/12/67
D-12229	C-09545	68	8/12/67	8/26/67
D-12228	C-09546	30	8/26/67	8/31/67
D-12227	C-09547	68	9/07/67	9/06/67
D-12226	C-09548	68	9/11/67	9/21/67
D-12225	C-09549	40	9/21/67	9/27/67
D-12224	C-09550	68	10-01-67	10/1167
D-12223	C-09551	68	10/11/67	10/20/67
D-12222	C-09552	63	10/21/67	10/29/67
D-12220	C-09553	68	10/30/67	11/08/67
D-12219	C-09554	68	11/08/67	11/20/67

D#	C#	Files	Start	Stop
D-12216	C-09555	16	12/27/67	12/30/67
D-12215	C-09556	68	1/01/68	1/13/68
D-12214	C-09557	68	1/14/68	1/28/68
D-12213	C-09558	14	1/28/68	1/30/68
D-12212	C-09559	68	2/03/68	2/13/68
D-12211	C-09560	68	2/14/68	2/25/68
D-12210	C-09961	35	2/26/68	3/03/68

1 REC 1. LENGTH 5280

DUPE OF D-12138
START 3/26/67
STOP 4/11/67

FILE NO 1 MAR 26 0

RORAL PASS NO 5718 TEMP 60.406 1

1 34-1 1 MAR 26, 67 3 ORORAL PASS NO 5718 TEMP 60.406 PERIO

D -40.255 AXIS ANG -34.569

2.85 MAG LAT -43.46 MAG LONG -139.44 L1 277 L2

356 -3 442 A 0.612E-11 B 0.193E-10 C 0.243E 01 LIMH 50 IPOSC 5

0 LP1 272 LP2 346 LP3 426 AP 0.722E-11 BP 0.187E-10 CP 0.261E 01 SET

VALUE 3 N B 0 0

SWP HR MN SEC CTS

CURRENT NORM-CONC POS RAM RRAM NO SWPT PT-CH HR MN SEC LAT LONG ALT V

ELOCITY 0

1 14 0 13.170 635 0.2

30E-07 0.384E 03 67 0.0 0.0 1 0 0 0 0 0.0 0.0 0.0 0

.0 1 14 0 13.693 441 0.219E-10 0.540E 00 201 0.0 0.0 2 0 0 0 0 0.0

0.0 0.0 0.0 0.0 1 14 0 14.228 532 0.965E-09 0.337E 02 338 0.0 0

0 4 738 688 0 0 0.0 0.0 0.0 0.0 0.0

2 14 0 16.053 640 0.269E-07 0.448E 03 67 0.0 0.0 1 0 0 0 0 0.0

0.0 0.0 0.0 0.0 2 14 0 16.576 443 0.264E-10 0.651E 00 201 0.0 0.0

2 0 0 0 0 0.0 0.0 0.0 0.0 0.0 2 14 0 17.107 546 0.183E-08

0.638E 02 337 0.0 0.0 4 738 688 0 0 0.0 0.0 0.0 0.0 0.0

3 14 0 18.936 644 0.331E-07 0.551E 03 67 0.0 0.0 1

0 0 14 0 20.595 -37.0 144.4 2992.35 6.01 3 14 0 19.459 452 0.501E-10 0.1

23E 01 201 0.0 0.0 2 0 0 0 0 0.0 0.0 0.0 0.0 0.0 3 14

0 19.990 555 0.263E-08 0.918E 02 337 0.0 0.0 4 0 0 0 0 0.0 0.0

0.0 0.0 0.0 3 14 0 20.537 434 0.148E-10 0.758E 00 477 0.0 0.0 8 730

676 0 0 0.0 0.0 0.0 0.0 0.0

4 14 0

21.817 652 0.446E-07 0.739E 03 67 0.0 0.0 1 0 0 0 0 0.0 0.0 0.

0 0.0 0.0 4 14 0 22.336 461 0.814E-10 0.201E 01 200 0.0 0.0 2 0

0 0 0 0.0 0.0 0.0 0.0 0.0 4 14 0 22.875 566 0.416E-08 0.145E 03

338 0.0 0.0 4 0 0 0 0 0.0 0.0 0.0 0.0 0.0 4 14 0 23.4

26 442 0.326E-10 0.167E 01 479 0.0 0.0 8 738 688 0 0 0.0 0.0 0.0

0.0 0.0

5 14 0 24.700 657 0.587E-07 0.964E 03 67

0.0 0.0 1 0 0 0 0 0.0 0.0 0.0 0.0 0.0

5 14 0 25.223 464 0.102E-09 0.250E 01 201 0.0 0.0 2 0 0 0 0 0.0 REC 2. LENGTH 5280

0.0 0.0 0.0 0.0 5 14 0 25.758 573 0.527E-08 0.184E 03 338 0.0 0.0

4 0 0 0 0 0.0 0.0 0.0 0.0 0.0 5 14 0 26.309 446 0.480E-10

0.245E 01 479 0.0 0.0 8 739 689 0 0 0.0 0.0 0.0 0.0 0.0

6 14 0 27.587 660 0.618E-07 0.101E 04 67 0.0 0.0 1

0 0 14 0 28.594 -36.7 144.4 2991.65 6.01 6 14 0 28.110 464 0.102E-09 0.2

50E 01 201 0.0 0.0 2 0 0 0 0 0.0 0.0 0.0 0.0 0.0 6 14

0 28.641 576 0.633E-08 0.221E 03 337 0.0 0.0 4 0 0 0 0 0.0 0.0

```
  0.0       0.0       0.0       6 14  0 29.192   447 0.509E-10   0.260E 01   478     0.0     0.0  8    738
   684     0  0  0.0        0.0       0.0       0.0       0.0
                                                                                                  7 14  0
30.469   662 0.686E-07   0.112E 04    67     0.0     0.0  1       0       0     0  0  0.0        0.0     0.
0       0.0       0.0       7 14  0 30.988   463 0.952E-10   0.234E 01   200     0.0     0.0  2       0
 0     0  0  0.0        0.0       0.0       0.0       0.0       7 14  0 31.527   575 0.590E-08   0.206E 03
 338     0.0     0.0  4       0       0     0  0  0.0        0.0       0.0       0.0       0.0       7 14  0 32.0
82   450 0.570E-10   0.291E 01   480     0.0     0.0  8    739   689     0  0  0.0        0.0       0.0
   0.0       0.0
                                                                 8 14  0 33.356   663 0.704E-07   0.115E 04    67
    0.0     0.0  1       0       0     0  0  0.0        0.0       0.0       0.0       0.0       8 14  0 33.875
 464 0.104E-09   0.256E 01   200     0.0     0.0  2       0       0     0  0  0.0        0.0       0.0       0
.0       0.0       8 14  0 34.414   576 0.633E-08   0.221E 03   338     0.0     0.0  4       0       0     0
 0  0.0        0.0       0.0       0.0       0.0       8 14  0 34.965   442 0.315E-10   0.161E 01   479
0.0     0.0  8    739   689     0  0  0.0        0.0       0.0       0.0       0.0

            9 14  0 36.242   662 0.686E-07   0.112E 04    67     0.0     0.0  1       0       0    14  0 3
6.592   -36.4   144.5   2990.91    6.01      9 14  0 36.761   461 0.833E-10   0.205E 01   200     0.0
   0.0  2       0       0     0  0  0.0        0.0       0.0       0.0       0.0       9 14  0 37.300   570 0.4
50E-08   0.157E 03   338     0.0     0.0  4       0       0     0  0  0.0        0.0       0.0       0.0       0
.0       9 14  0 37.855   435 0.161E-10   0.823E 00   480     0.0     0.0  8    739   685     0  0  0.0
      0.0       0.0       0.0       0.0
                                                                                 10 14  0 39.127   653 0.464E-
07   0.767E 03    67     0.0     0.0  1       0       0     0  0  0.0        0.0       0.0       0.0       0.0
   10 14  0 39.646   450 0.427E-10   0.105E 01   200     0.0     0.0  2       0       0     0  0  0.0
  0.0       0.0       0.0       0.0      10 14  0 40.181   561 0.315E-08   0.110E 03   337     0.0     0.0
4    739   689     0  0  0.0        0.0       0.0       0.0       0.0
                                                                                                          1
1 14  0 42.014   651 0.418E-07   0.693E 03    67     0.0     0.0  1       0       0    14  0 44.591   -36.
1   144.5   2990.12    6.01      11 14  0 42.537   451 0.444E-10   0.110E 01   201     0.0     0.0  2
   0       0     0  0  0.0        0.0       0.0       0.0       0.0      11 14  0 43.072   550 0.194E-08   0.6
8E 02   338     0.0     0.0  4    739   689     0  0  0.0        0.0       0.0       0.0       0.0

                                12 14  0 44.899   645 0.340E-07   0.565E 03    67     0.0     0.0  1       0
     0     0  0  0.0        0.0       0.0       0.0       0.0  1  FILE    1    ISTRT    619  ISTOP    634
                                                                                                  0

                      SWP HR MN    SEC     CTS  CURRENT     NORM-CONC    POS     RAM    RRAM NO    SWPT PT-
CH   HR MN   SEC        LAT     LONG       ALT  VELOCITY 0
                                                                                                 12 14  0 45.4
22   442 0.238E-10   0.586E 00   201     0.0     0.0  2       0       0     0  0  0.0        0.0       0.0
   0.0       0.0      12 14  0 45.957   542 0.145E-08   0.507E 02   338     0.0     0.0  4    739   689
  0  0  0.0        0.0       0.0       0.0       0.0


   13 14  0 47.786   641 0.278E-07   0.464E 03    67     0.0     0.0  1       0       0     0  0  0.0        REC      3, LENGTH  5280
  0.0       0.0       0.0       0.0      13 14  0 48.313   441 0.213E-10   0.525E 00   202     0.0     0.0
2       0       0     0  0  0.0        0.0       0.0       0.0       0.0      13 14  0 48.844   533 0.100E-08
 0.349E 02   338     0.0     0.0  4    740   690     0  0  0.0        0.0       0.0       0.0       0.0

                                 14 14  0 50.673   640 0.273E-07   0.456E 03    66     0.0     0.0  1
   0       0    14  0 52.589   -35.9   144.6   2989.29    6.01      14 14  0 50.997   430 0.0          0.0
         149     0.0     0.0          0       0     0  0  0.0        0.0       0.0       0.0       0.0      14 14
  0 51.200   443 0.257E-10   0.634E 00   201     0.0     0.0  2       0       0     0  0  0.0        0.0
  0.0       0.0       0.0      14 14  0 51.735   530 0.851E-09   0.297E 02   338     0.0     0.0  4    739
   685     0  0  0.0        0.0       0.0       0.0       0.0
                                                                                                 15 14  0
3.561   641 0.276E-07   0.460E 03    67     0.0     0.0  1       0       0     0  0  0.0        0.0       0.
0       0.0       0.0      15 14  0 54.084   441 0.214E-10   0.528E 00   201     0.0     0.0  2       0
 0     0  0  0.0        0.0       0.0       0.0       0.0      15 14  0 54.619   526 0.764E-09   0.267E 02
 338     0.0     0.0  4    739   690     0  0  0.0        0.0       0.0       0.0       0.0

                      16 14  0 56.448   641 0.278E-07   0.464E 03    67     0.0     0.0  1       0       0
```

```
  0  0  0.0        0.0      0.0       0.0      0.0      16 14  0 56.975   444 0.299E-10   0.736E 00   202
    0.0     0.0  2       0       0     0  0  0.0        0.0      0.0       0.0      0.0      16 14  0 57.510
 535 0.110E-08   0.384E 02   339     0.0     0.0  4     741    691     0  0  0.0        0.0      0.0       0
.0      0.0
                                                    17 14  0 59.343   642 0.302E-07   0.503E 03    67
0.0     0.0  1       0       0    14  1  0.588    -35.6    144.6    2988.42     6.01     17 14  0 59.866   445
0.313E-10   0.772E 00   201     0.0     0.0  2       0       0     0  0  0.0        0.0      0.0       0.0
   0.0      17 14  1  0.393   540 0.130E-08   0.456E 02   336     0.0     0.0  4     739    685     0  0
0.0        0.0      0.0       0.0      0.0
                                                                                  18 14  1  2.228   650 0.4
07E-07   0.676E 03    67     0.0     0.0  1       0       0     0  0  0.0        0.0      0.0       0.0      0
.0      18 14  1  2.751   456 0.692E-10   0.170E 01   201     0.0     0.0  2       0       0     0  0  0.0
      0.0      0.0       0.0      0.0      18 14  1  3.282   560 0.304E-08   0.106E 03   337     0.0      0
.0  4       0       0     0  0  0.0        0.0      0.0       0.0      0.0      18 14  1  3.837   432 0.100E-
10   0.512E 00   479     0.0     0.0  8     739    690     0  0  0.0        0.0      0.0       0.0      0.0

                                    19 14  1  5.115   657 0.587E-07   0.964E 03    67     0.0     0.0
1       0       0     0  0  0.0        0.0      0.0       0.0      0.0      19 14  1  5.634   464 0.102E-09
 0.250E 01   200     0.0     0.0  2       0       0     0  0  0.0        0.0      0.0       0.0      0.0      1
9 14  1  6.173   566 0.412E-08   0.144E 03   338     0.0     0.0  4     740    690     0  0  0.0        0.
0      0.0       0.0      0.0
                                                                  20 14  1  8.006   662 0.698E-07   0.1
14E 04    67     0.0     0.0  1       0       0    14  1  8.587    -35.3    144.7    2987.50     6.01     20 14
  1  8.529   466 0.117E-09   0.289E 01   201     0.0     0.0  2       0       0     0  0  0.0        0.0
  0.0       0.0      0.0      20 14  1  9.064   574 0.570E-08   0.199E 03   338     0.0     0.0  4       0
     0     0  0  0.0        0.0      0.0       0.0      0.0      20 14  1  9.619   442 0.335E-10   0.171E
01   480     0.0     0.0  8     739    685     0  0  0.0        0.0      0.0       0.0      0.0

                        21 14  1 10.891   666 0.860E-07   0.139E 04    67     0.0     0.0  1       0
 0     0  0  0.0        0.0      0.0       0.0      0.0      21 14  1 11.410   467 0.123E-09   0.303E 01
 200     0.0     0.0  2       0       0     0  0  0.0        0.0      0.0       0.0      0.0      21 14  1 11.9
9   577 0.667E-08   0.232E 03   338     0.0     0.0  4       0       0     0  0  0.0        0.0      0.0
   0.0      0.0      21 14  1 12.508   442 0.335E-10   0.171E 01   481     0.0     0.0  8     739    689
  0  0  0.0        0.0      0.0       0.0      0.0


   22 14  1 13.778   666 0.845E-07   0.137E 04    67     0.0     0.0  1       0       0     0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0       0.0      0.0      22 14  1 14.301   471 0.135E-09   0.333E 01   201     0.0     0.0
2       0       0     0  0  0.0        0.0      0.0       0.0      0.0      22 14  1 14.836   577 0.667E-08
 0.232E 03   338     0.0     0.0  4       0       0     0  0  0.0        0.0      0.0       0.0      0.0      2
2 14  1 15.395   447 0.524E-10   0.268E 01   481     0.0     0.0  8     740    690     0  0  0.0        0.
0      0.0       0.0      0.0
                                                                  23 14  1 16.665   665 0.816E-07   0.1
32E 04    66     0.0     0.0  1       0       0    14  1 16.585    -35.0    144.7    2986.54     6.01     23 14
  1 17.183   466 0.118E-09   0.291E 01   200     0.0     0.0  2       0       0     0  0  0.0        0.0
  0.0       0.0      0.0      23 14  1 17.727   575 0.593E-08   0.207E 03   338     0.0     0.0  4       0
     0     0  0  0.0        0.0      0.0       0.0      0.0      23 14  1 18.282   443 0.344E-10   0.176E
01   480     0.0     0.0  8     739    689     0  0  0.0        0.0      0.0       0.0      0.0

                        24 14  1 19.554   664 0.761E-07   0.124E 04    67     0.0     0.0  1       0
 0     0  0  0.0        0.0      0.0       0.0      0.0  1  FILE   1   ISTRT   620  ISTOP   635
                                                                                                  0

                  SWP HR MN    SEC     CTS  CURRENT     NORM-CONC    POS     RAM    RRAM NO    SWPT PT-CH
HR MN  SEC        LAT     LONG       ALT  VELOCITY 0
                                                                                  24 14  1 20.073
 464 0.983E-10   0.242E 01   200     0.0     0.0  2       0       0     0  0  0.0        0.0      0.0       0
0      0.0      24 14  1 20.612   572 0.500E-08   0.174E 03   338     0.0     0.0  4     740    690     0
 0  0.0        0.0      0.0       0.0      0.0
                                                                                  25 14  1 22.444   661
 0.635E-07   0.104E 04    67     0.0     0.0  1       0       0    14  1 24.584    -34.7    144.8    2985.53
   6.01     25 14  1 22.963   461 0.805E-10   0.198E 01   200     0.0     0.0  2       0       0     0  0
0.0        0.0      0.0       0.0      0.0      25 14  1 23.502   564 0.365E-08   0.127E 03   338     0.0
```

Dupe of D-12210
START 2/26/68
STOP 3/03/68

```
                                                FILE NO          1          FEB  26          U
LASKA          PASS NO        9709          TEMP    60.082                    1

                1  47-5   1     FEB 26, 68     ULASKA     PASS NO   9709     TEMP   60.082     PERIO
D  -32.192     AXIS ANG  -48.180                 0  L1   277    L2   357     3   440    A 0.480E-11
  B 0.157E-10    C 0.252E 01                      LIMH  55   IPOSC  58                LP1   273   LP2
 349   LP3   425   AP 0.463E-11   BP 0.134E-10   CP 0.275E 01   SET VALUE   0    N B   1
            0
                                                  SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS
RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  VELOCITY 0

                                                1  1 24 14.216   573 0.375E-08   0.634E 02    65    0.0
   0.0  1      0     0    0  0  0.0        0.0     0.0      0.0     0.0      1  1 24 15.267   522 0.5
66E-09 0 0.198E 02   334    0.0    0.0  4      0      0    0  0  0.0       0.0     0.0      0.0      0
.0      1  1 24 15.814   473 0.186E-09   0.953E 01   474    0.0    0.0  8      0      0    0  0  0.0
      0.0     0.0      0.0     0.0      1  1 24 16.251   475 0.333E-09   0.230E 02   586    0.0    0
0 14      0     0    0  0  0.0        0.0     0.0      0.0     0.0      1  1 24 16.357   536 0.266E-
08   0.200E 03   613    0.0    0.0 16    749   681    0  0  0.0        0.0     0.0      0.0     0.0

                                                2  1 24 17.146   572 0.365E-08   0.617E 02    66    0.0    0.0
1      0     0    0  0  0.0        0.0     0.0      0.0     0.0      2  1 24 18.193   503 0.240E-09
 0.839E 01   334    0.0    0.0  4      0      0    0  0  0.0       0.0     0.0      0.0     0.0
2  1 24 18.740   453 0.611E-10   0.312E 01   474    0.0    0.0  8      0      0    0  0  0.0        0.
0     0.0     0.0      0.0     2  1 24 19.185   430 0.694E-11   0.479E 00   588    0.0    0.0 14
   0     0    0  0  0.0        0.0     0.0      0.0     0.0      2  1 24 19.286   444 0.677E-10   0.5
08E 01   614    0.0    0.0 16    749   682    0  0  0.0        0.0     0.0      0.0     0.0

                                  3  1 24 20.072   566 0.294E-08   0.497E 02    66    0.0    0.0  1      0
     0    1 24 21.414    78.9  -142.0   2370.69    6.50      3  1 24 21.123   472 0.135E-09   0.472E
01   335    0.0    0.0  4    750   680    0  0  0.0        0.0     0.0      0.0     0.0

                                  4  1 24 22.996   537 0.838E-09   0.142E 02    65    0.0    0.0  1      0
 0    0  0  0.0        0.0     0.0      0.0     0.0      4  1 24 24.051   434 0.100E-10   0.351E 00
 335    0.0    0.0  4    749   681    0  0  0.0        0.0     0.0      0.0     0.0

                                  5  1 24 25.921   521 0.385E-09   0.652E 01    65    0.0    0.0  1    749   681
  0  0  0.0        0.0     0.0      0.0     0.0

    6  1 24 28.847   531 0.613E-09   0.104E 02    65    0.0    0.0  1    750   681    1 24 29.412     REC     2, LENGTH  5280
 78.7  -140.5   2363.80    6.50
                                                                  7  1 24 31.783   501 0.153E-09
0.260E 01    67    0.0    0.0  1    751   683    0  0  0.0        0.0     0.0      0.0     0.0

                                  8  1 24 34.712   505 0.198E-09   0.335E 01    66    0.0    0.0  1
   0     0    1 24 37.409    78.6  -139.0   2356.88    6.51      8  1 24 35.766   454 0.518E-10   0.1
81E 01   336    0.0    0.0  4      0      0    0  0  0.0        0.0     0.0      0.0     0.0      8  1
 24 36.306   437 0.197E-10   0.101E 01   474    0.0    0.0  8      0      0    0  0  0.0        0.0
```

```
  0.0      0.0      0.0       8  1 24 36.849   444 0.677E-10   0.508E 01   613    0.0     0.0 16     758
   684    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                  9  1 24
38.689   473 0.148E-09   0.518E 01   327    0.0     0.0  4      0      0    0  0  0.0        0.0      0.
0      0.0      0.0       9  1 24 39.232   454 0.677E-1    0.346E 01   466    0.0     0.0  8      0
 0    0  0  0.0        0.0      0.0       0.0      0.0       9  1 24 39.678   457 0.133E-09   0.916E 01
 580    0.0     0.0 14      0      0    0  0  0.0        0.0      0.0       0.0      0.0       9  1 24 39.7
75   522 0.143E-08   0.107E 03   605    0.0     0.0 16     745   677    0  0  0.0        0.0      0.0
   0.0      0.0
                                                        10  1 24 40.577   560 0.212E-08   0.359E 02    65
   0.0     0.0  1      0      0    0  0  0.0        0.0      0.0       0.0      0.0      10  1 24 41.628
 512 0.350E-09   0.122E 02   334    0.0     0.0  4      0      0    0  0  0.0        0.0      0.0      0
.0     0.0      10  1 24 42.171   471 0.165E-09   0.841E 01   473    0.0     0.0  8      0      0    0
 0  0.0        0.0      0.0       0.0      0.0      10  1 24 42.612   507 0.603E-09   0.416E 02   586
0.0     0.0 14      0      0    0  0  0.0        0.0      0.0       0.0      0.0      10  1 24 42.721   561
 0.752E-08   0.563E 03   614    0.0     0.0 16     751   683    0  0  0.0        0.0      0.0       0.0
   0.0
                                                    11  1 24 43.506   570 0.327E-08   0.554E 02    64     0.0
   0.0  1      0      0    1 24 45.407    78.4  -137.6   2349.93    6.51    11  1 24 44.557   515 0.4
19E-09   0.147E 02   333    0.0     0.0  4      0      0    0  0  0.0        0.0      0.0       0.0      0
.0     11  1 24 45.549   514 0.843E-09   0.582E 02   587    0.0     0.0 14      0      0    0  0  0.0
      0.0      0.0       0.0      0.0      11  1 24 45.654   574 0.140E-07   0.105E 04   614    0.0     0
.0 16     751   681    0  0  0.0        0.0      0.0       0.0      0.0

   12  1 24 46.442   600 0.505E-08   0.853E 02    65    0.0     0.0  1      0      0    0  0  0.0
  0.0      0.0       0.0      0.0      12  1 24 47.493   516 0.446E-09   0.156E 02   334    0.0     0.0
4      0      0    0  0  0.0        0.0      0.0       0.0      0.0      12  1 24 48.040   473 0.181E-09
 0.923E 01   474    0.0     0.0  8      0      0    0  0  0.0        0.0      0.0       0.0      0.0      1
2  1 24 48.481   475 0.343E-09   0.237E 02   587    0.0     0.0 14      0      0    0  0  0.0        0.
0      0.0      0.0       0.0      12  1 24 48.583   546 0.424E-08   0.318E 03   613    0.0     0.0 16
 750   683    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                 13  1
 24 49.375   600 0.492E-08   0.830E 02    66    0.0     0.0  1      0      0    0  0  0.0        0.0
  0.0      0.0       0.0  1  FILE   1   ISTRT   513  ISTOP   629
                                                        0
                                                                                          SWP HR MN
  SEC    CTS  CURRENT    NORM-CONC    POS     RAM    RRAM NO   SWPT PT-CH  HR MN  SEC        LAT     LONG
      ALT  VELOCITY 0
                                                        13  1 24 50.426   506 0.278E-09   0.971E 01
 335    0.0     0.0  4      0      0    0  0  0.0        0.0      0.0       0.0      0.0      13  1 24 50.9
72   450 0.492E-10   0.251E 01   475    0.0     0.0  8      0      0    0  0  0.0        0.0      0.0
   0.0      0.0      13  1 24 51.519   445 0.710E-10   0.533E 01   615    0.0     0.0 16     751   683
  0  0  0.0        0.0      0.0       0.0      0.0


   14  1 24 52.309   556 0.190E-08   0.322E 02    66    0.0     0.0  1      0      0    1 24 53.404      REC     3, LENGTH  5280
 78.2  -136.1   2342.95    6.52     14  1 24 53.360   464 0.915E-10   0.320E 01   335    0.0     0.0
4      0      0    0  0  0.0        0.0      0.0       0.0      0.0      14  1 24 54.442   434 0.328E-10
 0.263E 01   612    0.0     0.0 18     750   680    0  0  0.0        0.0      0.0       0.0      0.0

                                 15  1 24 55.232   543 0.104E-08   0.177E 02    65    0.0     0.0  1
 749   682    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                 16  1
 24 58.162   526 0.495E-09   0.839E 01    66    0.0     0.0  1     750   682    0  0  0.0        0.0
  0.0      0.0       0.0
                                                        17  1 25  1.087   513 0.274E-09   0.464E
01    65    0.0     0.0  1     751   681    1 25  1.402    78.1  -134.7   2335.93    6.52

                          18  1 25  4.019   511 0.238E-09   0.402E 01    65    0.0     0.0  1      0
 0    0  0  0.0        0.0      0.0       0.0      0.0      18  1 25  6.156   435 0.0          0.0
 612    0.0     0.0       751   683    0  0  0.0        0.0      0.0       0.0      0.0

                      19  1 25  6.956   522 0.407E-09   0.690E 01    66    0.0     0.0  1      0      0
```

```
 1 25  9.400    77.9  -13[illegible]4   2328.89    6.53    19  1 25  8.007   452 0.468E-10   0.164E 01   335
    0.0    0.0  4      0      0    0  0  0.0        0.0      0.0      0.0      0.0     19  1 25  8.546
 437 0.197E-10   0.101E 01   473    0.0    0.0  8      0      0    0  0  0.0        0.0      0.0      0
.0     0.0     19  1 25  9.085   472 0.345E-09   0.259E 02   611    0.0    0.0 16    752   690    0
 0  0.0        0.0      0.0      0.0      0.0
                                                                                    20  1 25  9.888   542
0.961E-09   0.163E 02    65    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0
   0.0     20  1 25 10.946   475 0.167E-09   0.585E 01   336    0.0    0.0  4      0      0    0  0
0.0       0.0      0.0      0.0      0.0     20  1 25 11.482   460 0.907E-10   0.463E 01   473    0.0
   0.0  8      0      0    0  0.0        0.0      0.0      0.0      0.0     20  1 25 11.919   466 0.2
21E-09   0.153E 02   585    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0
.0     20  1 25 12.021   546 0.424E-08   0.318E 03   611    0.0    0.0 16    751   683    0  0  0.0
      0.0      0.0      0.0      0.0
                                                                                  21  1 25 12.821   570 0.322E-
08   0.544E 02    65    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0      0.0
   21  1 25 13.872   504 0.251E-09   0.879E 01   334    0.0    0.0  4      0      0    0  0  0.0
  0.0      0.0      0.0      0.0     21  1 25 14.415   462 0.106E-09   0.539E 01   473    0.0    0.0
8      0      0    0  0  0.0        0.0      0.0      0.0      0.0     21  1 25 14.852   504 0.522E-09
 0.360E 02   585    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0.0      2
1  1 25 14.962   554 0.597E-08   0.447E 03   613    0.0    0.0 16    751   683    0  0  0.0        0.
0     0.0      0.0      0.0
                                                                                22  1 25 15.755   570 0.327E-08   0.5
54E 02    65    0.0    0.0  1      0      0    1 25 17.397    77.7  -132.1   2321.81    6.53    22  1
 25 16.805   514 0.404E-09   0.141E 02   334    0.0    0.0  4      0      0    0  0  0.0        0.0
  0.0      0.0      0.0     22  1 25 17.353   465 0.127E-09   0.650E 01   474    0.0    0.0  8      0
    0    0  0  0.0        0.0      0.0      0.0      0.0     22  1 25 17.794   510 0.658E-09   0.454E
02   587    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0.0     22  1 25
17.892   561 0.787E-08   0.589E 03   612    0.0    0.0 16    751   681    0  0  0.0        0.0      0.
0      0.0      0.0
                                                                              23  1 25 18.686   573 0.392E-08   0.663E 02
  65    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0      0.0     23  1 25 19.7
37   511 0.340E-09   0.119E 02   334    0.0    0.0  4      0      0    0  0  0.0        0.0      0.0
  0.0      0.0     23  1 25 20.284   467 0.145E-09   0.740E 01   474    0.0    0.0  8      0      0
  0  0  0.0        0.0      0.0      0.0      0.0     23  1 25 20.725   477 0.388E-09   0.268E 02   587
    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0.0

   23  1 25 20.827   547 0.448E-08   0.336E 03   613    0.0    0.0 16    751   683    0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0      0.0      0.0
                                                                                24  1 25 21.619   570 0.333E-08
 0.564E 02    65    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0      0.0      2
4  1 25 22.670   506 0.278E-09   0.971E 01   334    0.0    0.0  4      0      0    0  0  0.0        0.
0     0.0      0.0      0.0     24  1 25 23.217   454 0.660E-10   0.337E 01   474    0.0    0.0  8
   0    0  0  0.0        0.0      0.0      0.0      0.0     24  1 25 23.658   443 0.506E-10   0.3
49E 01   587    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0.0     24  1
 25 23.760   511 0.820E-09   0.615E 02   613    0.0    0.0 16    751   683    0  0  0.0        0.0
  0.0      0.0      0.0
                                                                              25  1 25 24.553   560 0.206E-08   0.349E
02    65    0.0    0.0  1      0      0    1 25 25.395    77.5  -130.8   2314.70    6.54 1  FILE   1
  ISTRT   510  ISTOP   626
                 0
                                                  SWP HR MN   SEC    CTS  CURRENT    NORM-CONC
 POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG       ALT  VELOCITY 0

                 25  1 25 26.151   431 0.700E-11   0.358E 00   474    0.0    0.0  8    750   680
  0  0  0.0        0.0      0.0      0.0      0.0
                                                                                26  1 25 27.481
 535 0.764E-09   0.129E 02    65    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0
0     0.0     26  1 25 28.536   435 0.123E-10   0.429E 00   335    0.0    0.0  4    750   682    0
0  0.0        0.0      0.0      0.0      0.0
                                                                            LEVEL1  277   LEVEL2  3
57   LEVE_3  440   V3   0.472   V2   2.189   V1   3.97[illegible] A   4.80E-12 B   1.57E-11 C   2.52E 00
          LP1   273   LP2   349   LP3   425   AP 0.463E-11   BP 0.134E-10   CP 0.275E 01   SE
T VALUE   0
```

```
                                                  FILE NO          31          MAR   3          J
OBURG          PASS NO        9770          TEMP    30.781                          1

                1  47-5  31      MAR  3, 68      JOBURG      PASS NO   9770      TEMP    30.781      PERIO
D  -29.110      AXIS ANG  -73.907                  0  L1   279    L2   357    L3   436    A 0.363E-11
  B 0.142E-10     C 0.264E 01                       LIMH  55   IPOSC  58                LP1   276   LP2
 348   LP3   421   AP 0.392E-11   BP 0.142E-10   CP 0.286E 01   SET VALUE   2    N B   1
            0
                                                SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS
RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  VELOCITY 0


                                                1  5 58 14.247   661 0.878E-07   0.142E 04    65    0.0
   0.0  1      0      0    0  0  0.0       0.0      0.0      0.0      0.0      1  5 58 14.559   437 0.0
         0.0          145    0.0    0.0          0      0    0  0  0.0       0.0      0.0      0.0     0
.0      1  5 58 14.763   450 0.301E-10   0.741E 00   197    0.0    0.0  2      0      0    0  0  0.0
      0.0      0.0      0.0      0.0      1  5 58 15.294   571 0.494E-08   0.172E 03   333    0.0    0
 0  4      0      0    0  0  0.0       0.0      0.0      0.0      0.0      1  5 58 15.841   455 0.591E-
10   0.302E 01   473    0.0    0.0  8      0      0    0  0  0.0       0.0      0.0      0.0      0.0
    1  5 58 16.274   443 0.393E-10   0.271E 01   584    0.0    0.0 14      0      0    0  0  0.0
  0.0      0.0      0.0      0.0      1  5 58 16.372   472 0.297E-09   0.223E 02   609    0.0    0.0 1
6    757   689    0  0  0.0       0.0      0.0      0.0      0.0

2  5 58 17.208   653 0.625E-07   0.102E 04    66    0.0    0.0  1      0      0    0  0  0.0       0.
0     0.0      0.0      0.0      2  5 58 17.727   444 0.210E-10   0.516E 00   199    0.0    0.0  2
   0      0    0  0  0.0       0.0      0.0      0.0      0.0      2  5 58 18.255   552 0.210E-08   0.7
33E 02   334    0.0    0.0  4      0      0    0  0  0.0       0.0      0.0      0.0      0.0      2  5
 58 18.802   434 0.775E-11   0.396E 00   474    0.0    0.0  8      0      0    0  0  0.0       0.0
  0.0      0.0      0.0      2  5 58 19.337   434 0.0          0.0          611    0.0    0.0       758
   691    0  0  0.0       0.0      0.0      0.0      0.0
                                                                                                3  5 58
20.165   643 0.397E-07   0.658E 03    65    0.0    0.0  1      0      0    5 58 21.356   -29.3    19.
7   2180.14    6.64     3  5 58 20.438   433 0.0          0.0          135    0.0    0.0          0
 0    0  0  0.0       0.0      0.0      0.0      0.0      3  5 58 20.688   437 0.106E-10   0.262E 00
 199    0.0    0.0  2      0      0    0  0  0.0       0.0      0.0      0.0      0.0      3  5 58 21.2
12   534 0.937E-09   0.328E 02   333    0.0    0.0  4    759   689    0  0  0.0       0.0      0.0
   0.0      0.0
                                                4  5 58 23.129   643 0.397E-07   0.658E 03    65
    0.0    0.0  1      0      0    0  0  0.0       0.0      0.0      0.0      0.0

    4  5 58 23.652   436 0.904E-11   0.223E 00   199    0.0    0.0  2      0      0    0  0  0.0       REC     2, LENGTH  5280
  0.0      0.0      0.0      0.0      4  5 58 24.180   523 0.571E-09   0.200E 02   334    0.0    0.0
4    759   691    0  0  0.0       0.0      0.0      0.0      0.0

5  5 58 26.094   640 0.335E-07   0.557E 03    65    0.0    0.0  1      0      0    0  0  0.0       0.
0     0.0      0.0      0.0      5  5 58 27.141   525 0.633E-09   0.221E 02   333    0.0    0.0  4
 760   692    0  0  0.0       0.0      0.0      0.0      0.0
                                                                                                6  5
 58 29.067   644 0.420E-07   0.696E 03    66    0.0    0.0  1      0      0    5 58 29.354   -28.9
```

```
                                                  FILE NO          34          OCT  11          0
RORAL          PASS NO        8073          TEMP    45.237                          1

                1  41-2  34      OCT 11, 67      ORORAL      PASS NO   8073      TEMP   45.237      PERIO
D  -20.061      AXIS ANG  -87.330                  0  L1   278    L2   358    L3   439    A 0.396E-11
  B 0.141E-10     C 0.258E 01                       LIMH  55   IPOSC  56                LP1   276   LP2
 349   LP3   423   AP 0.398E-11   BP 0.142E-10   CP 0.282E 01   SET VALUE   0    N B   1
          0
                                                 SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS
RAM   RRAM NO   SWPT PT-CH  HR MN  SEC          LAT    LONG       ALT  VELOCITY 0


                                                1  3 30 13.775   632 0.205E-07   0.344E 03    66    0.0
   0.0  1      0      0    0  0  0.0        0.0     0.0       0.0     0.0       1  3 30 14.826   515 0.4
00E-09   0.140E 02   335    0.0    0.0  4    749   687    0  0  0.0        0.0     0.0       0.0     0
.0
                                                2  3 30 16.705   633 0.215E-07   0.360E 03    67    0.0    0
.0  1      0      0    0  0  0.0        0.0     0.0       0.0     0.0       2  3 30 17.755   502 0.204E-
09   0.714E 01   336    0.0    0.0  4    750   687    0  0  0.0        0.0     0.0       0.0     0.0

                                                3  3 30 19.631   631 0.193E-07   0.323E 03    66    0.0    0.0
1      0      0    3 30 21.000   -30.7   142.9   1523.59    7.20      3  3 30 20.154   433 0.563E-11
 0.139E 00   200    0.0    0.0  2      0      0    0  0  0.0        0.0     0.0       0.0     0.0
3  3 30 20.678   544 0.143E-08   0.499E 02   334    0.0    0.0  4      0      0    0  0  0.0        0.
0     0.0       0.0     0.0      3  3 30 21.217   454 0.588E-10   0.300E 01   472    0.0    0.0  8
   0      0    0  0  0.0        0.0     0.0       0.0     0.0       3  3 30 21.654   435 0.181E-10   0.1
25E 01   584    0.0    0.0 14      0      0    0  0  0.0        0.0     0.0       0.0     0.0       3  3
 30 21.756   463 0.187E-09   0.140E 02   610    0.0    0.0 16    748   685    0  0  0.0        0.0
  0.0       0.0     0.0
                                                                4  3 30 22.554   652 0.507E-07   0.837E
03    67    0.0    0.0  1      0      0    0  0  0.0        0.0     0.0       0.0     0.0       4  3 30
23.073   446 0.263E-10   0.649E 00   200    0.0    0.0  2      0      0    0  0  0.0        0.0     0.
0     0.0       0.0      4  3 30 23.601   577 0.640E-08   0.223E 03   335    0.0    0.0  4      0
 0    0  0  0.0        0.0     0.0       0.0     0.0       4  3 30 24.046   436 0.131E-10   0.639E 00
 449    0.0    0.0  7      0      0    0  0  0.0        0.0     0.0       0.0     0.0       4  3 30 24.1
44   522 0.668E-09   0.341E 02   474    0.0    0.0  8      0      0    0  0  0.0        0.0     0.0
   0.0       0.0      4  3 30 24.581   544 0.289E-08   0.199E 03   586    0.0    0.0 14      0      0
  0  0  0.0        0.0     0.0       0.0     0.0       4  3 30 24.687   624 0.518E-07   0.381E 04   613
    0.0    0.0 16    749   687    0  0  0.0        0.0     0.0       0.0     0.0
```

REC 2, LENGTH 5280

```
                                                5  3 30 25.480   661 0.747E-07   0.122E 04    67    0.0    0.0
1      0      0    0  0  0.0        0.0     0.0       0.0     0.0       5  3 30 26.003   455 0.458E-10
 0.113E 01   201    0.0    0.0  2      0      0    0  0  0.0        0.0     0.0       0.0     0.0
3  3 30 26.530   605 0.922E-08   0.321E 03   336    0.0    0.0  4      0      0    0  0  0.0        0.
0     0.0       0.0     0.0      5  3 30 26.976   442 0.202E-10   0.990E 00   450    0.0    0.0  7
   0      0    0  0  0.0        0.0     0.0       0.0     0.0       5  3 30 27.511   553 0.431E-08   0.2
97E 03   587    0.0    0.0 14      0      0    0  0  0.0        0.0     0.0       0.0     0.0       5  3
 30 27.616   631 0.683E-07   0.500E 04   614    0.0    0.0 16    749   686    0  0  0.0        0.0
```

```
 0.0      0.0      0.0
                                                                  6  3 30 28.402   656 0.645E-07   0.106E
04    66    0.0    0.0  1      0     0    3 30 28.998   -31.1   143.0   1532.38    7.20     6  3 30
28.921   450 0.307E-10   0.756E 00   199    0.0    0.0  2      0     0    0  0  0.0       0.0      0.
0      0.0      0.0      6  3 30 29.453   600 0.670E-08   0.234E 03   335    0.0    0.0  4      0
 0    0  0  0.0        0.0      0.0      0.0      0.0      6  3 30 29.996   512 0.422E-09   0.216E 02
 474    0.0    0.0  8      0     0    0  0  0.0       0.0      0.0      0.0      0.0      6  3 30 30.4
87   472 0.255E-09   0.176E 02   587    0.0    0.0 14      0     0    0  0  0.0       0.0      0.0
   0.0      0.0      6  3 30 30.539   530 0.178E-08   0.133E 03   613    0.0    0.0 16    750   686
  0  0  0.0        0.0      0.0      0.0      0.0
                                                                                  7  3 30 31.330
 645 0.374E-07   0.621E 03    66    0.0    0.0  1      0     0    0  0  0.0       0.0      0.0      0
.0     0.0      7  3 30 31.853   436 0.103E-10   0.254E 00   200    0.0    0.0  2      0     0    0
 0  0.0        0.0      0.0      0.0      0.0      7  3 30 32.381   553 0.208E-08   0.728E 02   335
0.0    0.0  4      0     0    0  0  0.0       0.0      0.0      0.0      0.0      7  3 30 32.927   444
 0.275E-10   0.140E 01   475    0.0    0.0  8      0     0    0  0  0.0       0.0      0.0      0.0
   0.0      7  3 30 33.467   432 0.0         0.0         613    0.0    0.0       750   687    0  0
0.0       0.0      0.0      0.0      0.0
                                                                                  8  3 30 34.259   632 0.2
13E-07   0.357E 03    66    0.0    0.0  1      0     0    0  0  0.0       0.0      0.0      0.0      0
.0      8  3 30 35.306   514 0.377E-09   0.132E 02   334    0.0    0.0  4    750   687    0  0  0.0
      0.0      0.0      0.0      0.0
                                                                                  9  3 30 37.193   633 0.221E-
07   0.370E 03    67    0.0    0.0  1      0     0    3 30 36.997   -31.5   143.0   1541.17    7.19
    9  3 30 38.240   506 0.260E-09   0.908E 01   335    0.0    0.0  4    750   687    0  0  0.0
  0.0      0.0      0.0      0.0
                                                                                 10  3 30 40.122   633 0.221E-07
 0.370E 03    67    0.0    0.0  1      0     0    0  0  0.0       0.0      0.0      0.0      0.0      1
0  3 30 40.641   436 0.991E-11   0.244E 00   200    0.0    0.0  2      0     0    0  0  0.0       0.
0      0.0      0.0      0.0     10  3 30 41.165   550 0.185E-08   0.645E 02   334    0.0    0.0  4
   0     0    0  0  0.0       0.0      0.0      0.0     10  3 30 41.708   457 0.738E-10   0.3
77E 01   473    0.0    0.0  8      0     0    0  0  0.0       0.0      0.0      0.0      0.0     10  3
30 42.145   443 0.442E-10   0.305E 01   585    0.0    0.0 14      0     0    0  0  0.0       0.0
  0.0      0.0      0.0  1  FILE  34   ISTRT   516  ISTOP   633
                                                   0
                                                                                          SWP HR MN
  SEC    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG
      ALT  VELOCITY C
                                                                 10  3 30 42.243   505 0.590E-09   0.442E 02
 610    0.0    0.0 16    750   687    0  0  0.0       0.0      0.0      0.0      0.0
                                                                 11  3 30 43.047   653 0.546E-07   0.899E 03    66    0.0    0.0  1      0     0
  3 30 44.995   -31.9   143.1   1549.96    7.18    11  3 30 43.266   436 0.0         0.0          122
   0.0    0.0        0     0    0  0  0.0       0.0      0.0      0.0      0.0
                                                                                                                  REC     3. LENGTH  5280
   11  3 30 43.566   447 0.289E-10   0.712E 00   199    0.0    0.0  2      0     0    0  0  0.0
  0.0      0.0      0.0      0.0     11  3 30 44.098   577 0.661E-08   0.230E 03   335    0.0    0.0
4      0     0    0  0  0.0       0.0      0.0      0.0      0.0     11  3 30 44.539   436 0.120E-10
 0.588E 00   448    0.0    0.0  7      0     0    0  0  0.0       0.0      0.0      0.0      0.0      1
1  3 30 44.633   525 0.782E-09   0.399E 02   472    0.0    0.0  8      0     0    0  0  0.0       0.
0      0.0      0.0      0.0     11  3 30 45.074   547 0.351E-08   0.242E 03   585    0.0    0.0 14
   0     0    0  0  0.0       0.0      0.0      0.0      0.0     11  3 30 45.184   627 0.623E-07   0.4
57E 04   613    0.0    0.0 16      0     0    0  0  0.0       0.0      0.0      0.0      0.0     11  3
 30 45.285   437 0.386E-10   0.308E 01   639    0.0    0.0 18    749   685    0  0  0.0       0.0
  0.0      0.0      0.0
                                                                 12  3 30 45.971   661 0.733E-07   0.120E
04    66    0.0    0.0  1      0     0    0  0  0.0       0.0      0.0      0.0      0.0     12  3 30
46.299   434 0.0         0.0         150    0.0    0.0         0     0    0  0  0.0       0.0      0.
      0.0      0.0     12  3 30 46.490   452 0.364E-10   0.898E 00   199    0.0    0.0  2      0
 0    0  0  0.0        0.0      0.0      0.0      0.0     12  3 30 47.022   606 0.961E-08   0.335E 03
 335    0.0    0.0  4      0     0    0  0  0.0       0.0      0.0      0.0      0.0     12  3 30 47.4
67   437 0.152E-10   0.744E 00   449    0.0    0.0  7      0     0    0  0  0.0       0.0      0.0
   0.0      0.0     12  3 30 47.565   533 0.108E-08   0.553E 02   474    0.0    0.0  8      0     0
```

```
  0  0  0.0        0.0      0.0       0.0      0.0      12  3 30 48.006   547 0.345E-08   0.238E 03   587
     0.0    0.0 14       0      0    0  0  0.0        0.0      0.0       0.0      0.0      12  3 30 48.111
 624 0.518E-07   0.381E 04   614     0.0     0.0 16     749   686    0  0  0.0        0.0      0.0       0
.0     0.0
                                                   13  3 30 48.901   655 0.599E-07   0.983E 03    67
0.0    0.0  1       0      0    0  0  0.0        0.0      0.0       0.0      0.0      13  3 30 49.420   445
 0.228E-10   0.561E 00   200     0.0     0.0  2       0      0    0  0  0.0        0.0      0.0       0.0
   0.0      13  3 30 49.948   574 0.552E-08   0.192E 03   335     0.0     0.0  4       0      0    0  0
0.0        0.0      0.0       0.0      0.0      13  3 30 50.491   506 0.327E-09   0.167E 02   474     0.0
   0.0  8       0      0    0  0  0.0        0.0      0.0       0.0      0.0      13  3 30 50.932   455 0.1
03E-09   0.714E 01   587     0.0     0.0 14       0      0    0  0  0.0        0.0      0.0       0.0      0
.0      13  3 30 51.034   512 0.793E-09   0.595E 02   613     0.0     0.0 16     750   687    0  0  0.0
      0.0      0.0       0.0      0.0
                                                                                 14  3 30 51.827   642 0.317E-
07   0.528E 03    66     0.0     0.0  1       0      0    3 30 52.993   -32.3   143.2   1558.76    7.17
   14  3 30 51.893   445 0.183E-10   0.309E 00    83     0.0     0.0  2       0      0    0  0  0.0
  0.0      0.0       0.0      0.0      14  3 30 52.350   435 0.838E-11   0.206E 00   200     0.0     0.0
2       0      0    0  0  0.0        0.0      0.0       0.0      0.0      14  3 30 52.878   546 0.158E-08
 0.551E 02   335     0.0     0.0  4       0      0    0  0  0.0        0.0      0.0       0.0      0.0       1
4  3 30 53.424   440 0.171E-10   0.873E 00   475     0.0     0.0  8     751   687    0  0  0.0        0.
0      0.0       0.0      0.0
                                                                              15  3 30 54.758   631 0.198E-07   0.3
32E 03    66     0.0     0.0  1       0      0    0  0  0.0        0.0      0.0       0.0      0.0      15  3
 30 55.809   514 0.359E-09   0.126E 02   335     0.0     0.0  4     750   687    0  0  0.0        0.0
  0.0       0.0      0.0
                                                                                16  3 30 57.688   630 0.191E-07   0.320E
03    66     0.0     0.0  1       0      0    0  0  0.0        0.0      0.0       0.0      0.0      16  3 30
58.739   510 0.292E-09   0.102E 02   335     0.0     0.0  4     750   688    0  0  0.0        0.0      0.
0       0.0      0.0
                                                                                17  3 31  0.622   632 0.209E-07   0.351E 03
  67     0.0     0.0  1       0      0    3 31  0.992   -32.7   143.2   1567.55    7.16      17  3 31  1.1
45   434 0.765E-11   0.188E 00   201     0.0     0.0  2       0      0    0  0  0.0        0.0      0.0
  0.0      0.0      17  3 31  1.669   553 0.211E-08   0.738E 02   335     0.0     0.0  4       0      0
  0  0  0.0        0.0      0.0       0.0      0.0      17  3 31  2.208   470 0.137E-09   0.702E 01   473
    0.0     0.0  8       0      0    0  0  0.0        0.0      0.0       0.0      0.0

   17  3 31  2.645   456 0.112E-09   0.771E 01   585     0.0     0.0 14       0      0    0  0  0.0        REC      4. LENGTH  5280
  0.0      0.0       0.0      0.0      17  3 31  2.747   520 0.112E-08   0.843E 02   611     0.0     0.0 1
6     750   686    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                                                 1
8  3 31  3.550   652 0.507E-07   0.837E 03    67     0.0     0.0  1       0      0    0  0  0.0        0.
0      0.0       0.0      0.0      18  3 31  4.065   452 0.359E-10   0.885E 00   199     0.0     0.0  2
   0      0    0  0  0.0        0.0      0.0       0.0      0.0      18  3 31  4.597   600 0.674E-08   0.2
35E 03   335     0.0     0.0  4       0      0    0  0  0.0        0.0      0.0       0.0      0.0      18  3
 31  5.042   437 0.147E-10   0.719E 00   449     0.0     0.0  7       0      0    0  0  0.0        0.0
  0.0       0.0      0.0      18  3 31  5.132   530 0.927E-09   0.474E 02   472     0.0     0.0  8       0
     0    0  0  0.0        0.0      0.0       0.0      0.0      18  3 31  5.577   552 0.416E-08   0.286E
03   586     0.0     0.0 14       0      0    0  0  0.0        0.0      0.0       0.0      0.0  1  FILE  34
  ISTRT   516  ISTOP   633
                  0
                                                   SWP HR MN   SEC    CTS  CURRENT    NORM-CONC
 POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC       LAT    LONG       ALT  VELOCITY 0

                  18  3 31  5.686   632 0.702E-07   0.514E 04   614     0.0     0.0 16       0      0
  0  0  0.0        0.0      0.0       0.0      0.0      18  3 31  5.792   435 0.291E-10   0.233E 01   641
    0.0     0.0 18     750   687    0  0  0.0        0.0      0.0       0.0      0.0

                  19  3 31  6.476   656 0.633E-07   0.104E 04    66     0.0     0.0  1       0      0    3
01  8.990   -33.1   143.3   1576.34    7.16      19  3 31  6.784   435 0.0          0.0          145
0.0    0.0          0      0    0  0  0.0        0.0      0.0       0.0      0.0      19  3 31  6.999   452
 0.359E-10   0.885E 00   200     0.0     0.0  2       0      0    0  0  0.0        0.0      0.0       0.0
   0.0      19  3 31  7.523   604 0.860E-08   0.300E 03   334     0.0     0.0  4       0      0    0  0
0.0        0.0      0.0       0.0      0.0      19  3 31  7.972   442 0.221E-10   0.108E 01   449     0.0
```

```
1                                                                                                                  REC      1, LENGTH  5280

                                                                                                  DUPE of D-12225
                                                                                                  START 9/21/67
                                                                                                  STOP  9/27/67

                                                                  FILE NO          1          SEP  21          U
LASKA          PASS NO        7840          TEMP    66.978                                  1

                1  40-5   1     SEP 21, 67   9 ULASKA     PASS NO   7840     TEMP    66.978     PERIO
D   14.383     AXIS ANG  -59.412
        -          9.07     MAG LAT   67.67     MAG LONG  -54.62                      L1   281    L2
358    L3   435    A 0.295E-11    B 0.134E-10    C 0.271E 01                      LIMH  50   IPOSC  5
0              LP1   277   LP2   347   LP3   421   AP 0.450E-11   BP 0.170E-10   CP 0.282E 01   SET
VALUE   2    N B   1                          0
                                                                                  SWP HR MN   SEC    CTS
  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  V
ELOCITY 0

                                                                                1 11 19 14.291   507 0.1
81E-09   0.306E 01    67  132.1  132.9  1      0      0    0  0  0.0        0.0     0.0      0.0     0
.0       1 11 19 16.310   437 0.144E-10   0.992E 00   584  150.4  153.0 14      0      0    0  0  0.0
      0.0      0.0      0.0      0.0       1 11 19 16.408   452 0.744E-10   0.558E 01   609  149.6  152
 1 16    757   698    0  0  0.0        0.0      0.0      0.0      0.0

    2 11 19 17.248   542 0.922E-09   0.156E 02    67  137.4  139.3  1      0      0    0  0  0.0
  0.0      0.0      0.0      0.0       2 11 19 18.298   475 0.132E-09   0.463E 01   336  116.4  117.5
4      0      0    0  0  0.0        0.0      0.0      0.0      0.0       2 11 19 18.841   467 0.109E-09
 0.555E 01   475  104.7  105.5  8      0      0    0  0  0.0        0.0      0.0      0.0      0.0
2 11 19 19.271   521 0.939E-09   0.648E 02   585   95.2   95.8 14      0      0    0  0  0.0        0.
0      0.0      0.0      0.0       2 11 19 19.373   562 0.804E-08   0.602E 03   611   93.0   93.5 16
 758   698    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                                  3 11
 19 20.209   570 0.325E-08   0.550E 02    67   74.2   74.2  1      0      0   11 19 21.194    56.8  -
109.7   1826.05    6.94     3 11 19 20.732   434 0.304E-11   0.749E-01   201   62.8   62.6  2      0
     0    0  0  0.0        0.0      0.0      0.0      0.0       3 11 19 21.263   462 0.599E-10   0.209E
01   337   51.8   51.2  4      0      0    0  0  0.0        0.0      0.0      0.0      0.0       3 11 19
21.802   451 0.360E-10   0.184E 01   475   41.5   40.4  8      0      0    0  0  0.0        0.0      0.
0      0.0      0.0       3 11 19 22.232   440 0.198E-10   0.137E 01   585   34.6   33.0 14      0
 0    0  0  0.0        0.0      0.0      0.0      0.0       3 11 19 22.334   445 0.448E-10   0.336E 01
 611   33.2   31.5 16    758   696    0  0  0.0        0.0      0.0      0.0      0.0

                    4 11 19 23.162   556 0.187E-08   0.316E 02    66   28.0   25.4  1      0      0
  0  0  0.0        0.0      0.0      0.0      0.0       4 11 19 24.220   446 0.204E-10   0.715E 00   337
   39.0   37.0  4    758   698    0  0  0.0        0.0      0.0      0.0      0.0

                                                                                                  REC      2, LENGTH  5280
                                  5 11 19 26.127   473 0.833E-10   0.141E 01    67   77.8   77.0
1    759   699    0  0  0.0        0.0      0.0      0.0      0.0

6 11 19 29.092   466 0.589E-10   0.997E 00    67  140.5  141.7  1      0      0   11 19 29.192    57.
1  -109.5   1817.69    6.95     6 11 19 31.111   437 0.154E-10   0.106E 01   584  145.5  147.7 14
   0      0    0  0  0.0        0.0      0.0      0.0      0.0       6 11 19 31.209   450 0.611E-10   0.4
59E 01   609  144.1  146.2 16    758   696    0  0  0.0        0.0      0.0      0.0      0.0
```

```
                                 7 11 19 32.047   543 0.949E-09   0.161E 02    66  128.9  130.4  1      0
    0    0  0  0.0        0.0      0.0      0.0      0.0      7 11 19 33.101   477 0.149E-09   0.519E
01   336  106.6  107.5  4      0      0    0  0  0.0       0.0      0.0      0.0      0.0      7 11 19
33.641   476 0.172E-09   0.880E 01   474   94.8   95.3  8      0      0    0  0  0.0       0.0      0.
0      0.0      0.0      7 11 19 34.074   534 0.181E-08   0.125E 03   585   85.2   85.5 14      0
 0    0  0  0.0        0.0      0.0      0.0      0.0      7 11 19 34.180   570 0.116E-07   0.864E 03
612   82.8   83.1 16      0      0    0  0  0.0       0.0      0.0      0.0      0.0      7 11 19 34.2
85   434 0.100E-10   0.802E 00   639   80.5   80.8 18    758   698    0  0  0.0       0.0      0.0
   0.0      0.0
                                                      8 11 19 35.012   561 0.222E-08   0.376E 02    67
   64.3   64.1  1      0      0   11 19 37.190    57.5  -109.3   1809.31    6.96      8 11 19 36.605
 461 0.684E-10   0.350E 01   475   34.1   32.5  8      0      0    0  0  0.0       0.0      0.0      0
.0      0.0      8 11 19 37.039   460 0.103E-09   0.711E 01   586   29.3   27.2 14      0      0    0
 0  0.0       0.0      0.0      0.0      0.0      8 11 19 37.141   467 0.211E-09   0.158E 02   612   2
8.6   26.4 16    759   697    0  0  0.0       0.0      0.0      0.0      0.0

            9 11 19 37.971   533 0.609E-09   0.103E 02    66   30.6   28.1  1    759   699    0  0
0.0       0.0      0.0      0.0      0.0
                                                                          10 11 19 40.944   447 0.1
60E-10   0.270E 00    68   88.1   87.6  1    755   699    0  0  0.0       0.0      0.0      0.0      0
.0
                                                 11 11 19 43.873   441 0.834E-11   0.141E 00    63  147.2  148
.9  1      0      0   11 19 45.188    57.9  -109.1   1800.93    6.97    11 11 19 45.881   451 0.567E-
10   0.392E 01   577  138.8  140.6 14      0      0    0  0  0.0       0.0      0.0      0.0      0.0
   11 11 19 45.982   472 0.269E-09   0.202E 02   603  137.0  138.7 15    749   690    0  0  0.0
  0.0      0.0      0.0      0.0
                                                                      12 11 19 46.785   522 0.355E-09
 0.601E 01    60  121.0  122.2  1      0      0    0  0  0.0       0.0      0.0      0.0      0.0      1
2 11 19 47.832   502 0.187E-09   0.655E 01   328   98.3   98.9  4      0      0    0  0  0.0       0.
0      0.0      0.0      0.0      12 11 19 48.278   436 0.680E-11   0.333E 00   442   88.4   88.8  7
   0      0    0  0  0.0       0.0      0.0      0.0      0.0      12 11 19 48.375   500 0.196E-09   0.1
0E 02   467   86.2   86.6  8      0      0    0  0  0.0       0.0      0.0      0.0      0.0      12 11
19 48.809   527 0.134E-08   0.925E 02   578   76.7   76.8 14      0      0    0  0  0.0       0.0
  0.0      0.0      0.0      12 11 19 48.918   563 0.838E-08   0.627E 03   606   74.3   74.4 16    749
   692    0  0  0.0       0.0      0.0      0.0      0.0  1  FILE   1   ISTRT   621  ISTOP   636
                                                                                          0

                      SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-
CH  HR MN  SEC        LAT    LONG      ALT  VELOCITY 0


                  13 11 19 49.707   577 0.494E-08   0.835E 02    59   57.3   56.9  1      0      0
  0  0  0.0       0.0      0.0      0.0      0.0      13 11 19 50.754   501 0.176E-09   0.614E 01   327
   37.4   36.1  4      0      0    0  0  0.0       0.0      0.0      0.0      0.0

   13 11 19 51.301   450 0.310E-10   0.158E 01   467   30.1   28.1  8      0      0    0  0  0.0       REC      3. LENGTH  5280
  0.0      0.0      0.0      0.0      13 11 19 51.836   436 0.0          0.0          604   27.7   25.2
     774   691    0  0  0.0       0.0      0.0      0.0      0.0
                                                                                                  1
4 11 19 49.707   577 0.494E-08   0.835E 02    59   57.3   56.9  1      0      0   11 19 53.186    58.
2  -108.9   1792.54    6.97
                                                                  15 11 19 49.707   577 0.494E-08   0.8
35E 02    59   57.3   56.9  1      0      0    0  0  0.0       0.0      0.0      0.0      0.0

                          16 11 19 59.533   454 0.365E-10   0.128E 01   301  149.4  151.7  4      0
    0   11 20  1.184    58.6  -108.6   1784.13    6.98    16 11 20  0.068   452 0.377E-10   0.193E
01   438  142.0  143.9  8      0      0    0  0  0.0       0.0      0.0      0.0      0.0      16 11 20
0.502   476 0.193E-09   0.133E 02   549  134.2  135.8 14      0      0    0  0  0.0       0.0      0.
0      0.0      0.0      16 11 20  0.603   527 0.169E-08   0.127E 03   575  132.2  133.7 16    749   6
64    0  0  0.0       0.0      0.0      0.0      0.0
                                                                                  17 11 20  2.4
61   504 0.208E-09   0.728E 01   302   92.1   92.6  4      0      0    0  0  0.0       0.0      0.0
   0.0      0.0      17 11 20  2.996   504 0.268E-09   0.137E 02   439   80.2   80.5  8      0      0
```

```
 0  0  0.0        0.0      0.0       0.0      0.0      17 11 20  3.437   533 0.177E-08   0.122E 03   552
  70.5   70.5 14       0       0     0  0  0.0        0.0      0.0       0.0      0.0      17 11 20  3.543
 574 0.146E-07   0.109E 04   579   68.2   68.2 16    724   665     0  0  0.0        0.0      0.0       0
.0      0.0
                                                  18 11 20  4.336   604 0.675E-08   0.114E 03    58   5
1.5   51.0  1       0       0     0  0  0.0        0.0      0.0       0.0      0.0      18 11 20  4.859   434
0.0          0.0          192   41.4   40.4          0       0     0  0  0.0        0.0      0.0       0.0
  0.0      18 11 20  5.382   502 0.183E-09   0.641E 01   326   33.1   31.5  4       0       0     0  0
0.0        0.0      0.0       0.0      0.0      18 11 20  5.929   455 0.515E-10   0.263E 01   466   28.0
  25.7  8       0       0     0  0  0.0        0.0      0.0       0.0      0.0      18 11 20  6.464   452 0.7
79E-10   0.585E 01   603   28.5   26.0 16    777   691     0  0  0.0        0.0      0.0       0.0      0
.0
                                          19 11 20  8.320   434 0.355E-11   0.124E 00   301   59.1   58
.0  4    750   661   11 20  9.182    59.0  -108.4   1775.71    6.99

  20 11 20  8.320   434 0.355E-11   0.124E 00   301   59.1   58.0  4       0       0     0  0  0.0
  0.0      0.0       0.0      0.0
                                                                  21 11 20 14.170   444 0.172E-10
 0.601E 00   300  145.9  148.0  4       0       0     0  0  0.0        0.0      0.0       0.0      0.0      2
1 11 20 14.709   442 0.161E-10   0.823E 00   438  137.0  138.6  8       0       0     0  0  0.0        0.
0      0.0       0.0      0.0      21 11 20 15.139   455 0.839E-10   0.579E 01   548  128.6  130.0 14
   0       0     0  0  0.0        0.0      0.0       0.0      0.0      21 11 20 15.236   505 0.551E-09   0.4
13E 02   573  126.6  127.9 16    748   662     0  0  0.0        0.0      0.0       0.0      0.0

                          22 11 20 17.092   504 0.208E-09   0.728E 01   300   85.8   86.2  4       0
     0   11 20 17.179    59.3  -108.2   1767.29    7.00     22 11 20 17.635   467 0.107E-09   0.546E
01   439   73.8   73.9  8       0       0     0  0  0.0        0.0      0.0       0.0      0.0      22 11 20
18.072   512 0.602E-09   0.416E 02   551   64.3   64.2 14       0       0     0  0  0.0        0.0      0.
0      0.0      0.0      22 11 20 18.174   543 0.337E-08   0.253E 03   577   62.1   61.9 16    723   6
61    0  0  0.0        0.0      0.0       0.0      0.0
                                                                                          23 11 20 18.9
8   566 0.289E-08   0.489E 02    58   45.8   45.1  1       0       0     0  0  0.0        0.0      0.0
  0.0      0.0      23 11 20 20.018   472 0.105E-09   0.366E 01   327   29.6   27.7  4       0       0
  0  0  0.0        0.0      0.0       0.0      0.0      23 11 20 20.561   437 0.978E-11   0.500E 00   466
  27.3   25.0  8       0       0     0  0  0.0        0.0      0.0       0.0      0.0

  23 11 20 21.096   436 0.0          0.0          603   30.8   28.6        778   690     0  0  0.0        REC      4. LENGTH  5280
  0.0      0.0       0.0      0.0
                                                                  24 11 20 18.968   566 0.289E-08
 0.469E 02    58   45.8   45.1  1       0       0     0  0  0.0        0.0      0.0       0.0      0.0

                              25 11 20 24.827   515 0.262E-09   0.444E 01    58  106.6  106.5  1
 750   688   11 20 25.177    59.7  -108.0   1758.85    7.00
                                                                                                  LEVEL1
 281   LEVEL2  358   LEVEL3  435   V3   0.558   V2   2.210   V1   3.863 A   2.95E-12 B   1.34E-11 C
  2.71E 00                LP1   277    LP2   347    LP3   421    AP 0.450E-11    BP 0.170E-10    CP
 0.282E 01    SET VALUE   2
                                                                                          1  FILE   1
  ISTRT   618  ISTOP   633
                    0
                                                  SWP HR MN   SEC    CTS  CURRENT    NORM-CONC
 POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG       ALT  VELOCITY 0


                                                 25 11 20 24.827   515 0.262E-09   0.444E 01    58
  106.6  106.5  1    777   688     0  0  0.0        0.0      0.0       0.0      0.0

                27 11 20 31.739   503 0.195E-09   0.683E 01   301   79.2   79.5  4       0       0   11
20 33.175    60.1  -107.7   1750.40    7.01     27 11 20 32.180   440 0.108E-10   0.530E 00   414   6
9.5   69.5  7       0       0     0  0  0.0        0.0      0.0       0.0      0.0      27 11 20 32.278   474
 0.151E-09   0.770E 01   439   67.3   67.3  8       0       0     0  0  0.0        0.0      0.0       0.0
   0.0      27 11 20 32.711   527 0.139E-08   0.962E 02   550   58.0   57.8 14       0       0     0  0
0.0        0.0      0.0       0.0      0.0      27 11 20 32.817   567 0.109E-07   0.815E 03   577   55.8
```

```
                                                                14 21 32 52.186   527 0.470E-09   0.796E 01    61
  106.7  108.8  1       0      0   21 32 53.319    61.1  -111.4   1873.98    6.90    14 21 32 52.214
 607 0.784E-08   0.132E 03    68  106.5  108.6  4       0      0    0  0  0.0        0.0      0.0       0
.0     0.0      14 21 32 53.268   455 0.415E-10   0.145E 01   338   98.3  100.0  4       0      0    0
 0  0.0        0.0      0.0      0.0      0.0     14 21 32 53.807   460 0.681E-10   0.348E 01   476   9
3.7   95.2  8       0      0    0  0  0.0        0.0      0.0      0.0      0.0     14 21 32 54.245   501
0.361E-09   0.249E 02   588   90.0   91.2 14       0      0    0  0  0.0        0.0      0.0       0.0
  0.0      14 21 32 54.343   526 0.153E-08   0.115E 03   613   89.2   90.3 16    751   694    0  0
0.0        0.0      0.C      0.0      0.0

                                                                15 21 32 55.143   602 0.5
71E-08   0.964E 02    67   82.4   83.1  1       0      0    0  0  0.0        0.0      0.0       0.0       0
.0     15 21 32 56.197   454 0.389E-10   0.136E 01   337   74.1   74.1  4       0      0    0  0  0.0
      0.0      0.0      0.0      0.0     15 21 32 56.740   446 0.285E-10   0.146E 01   476   70.4   70
.0  8       0      0    0  0  0.0        0.0      0.0      0.0      0.0     15 21 32 57.174   461 0.120E-
09   0.827E 01   587   67.8   67.1 14       0      0    0  0  0.0        0.0      0.0       0.0       0.0
   15 21 32 57.276   503 0.496E-09   0.372E 02   613   67.3   66.5 16    751   698    0  0  0.0
  0.0      0.0      0.0      0.0

                                                                16 21 32 58.077   567 0.318E-08
 0.537E 02    67   63.8   62.5  1       0      0    0  0  0.0        0.0      0.0       0.0       0.0       1
6 21 32 59.131   441 0.115E-10   0.401E 00   337   62.0   60.1  4       0      0    0  0  0.0        0.
0      0.0      0.0      0.0     16 21 32 59.678   435 0.596E-11   0.304E 00   47[illegible]   62.4   60.3  8
   0      0    0  0  0.0        0.0      0.0      0.0      0.0     16 21 33  0.112   436 0.0          0.0
         588   63.4   61.1          0      0    0  0  0.0        0.0      0.0       0.0       0.0     16 21
 33  0.213   440 0.0          0.0          614   63.7   61.4        752   698    0  0  0.0        0.0
  0.0      0.0      0.0

                                                                17 21 33  1.014   570 0.330E-08   0.558E
02    67   67.0   64.7  1       0      0   21 33  1.317    61.5  -111.2   1882.42    6.90    17 21 33
 2.072   441 0.115E-10   0.401E 00   338   73.5   71.4  4    751   694    0  0  0.0        0.0      0.
0      0.0      0.0

                                                                18 21 33  3.946   574 0.408E-08   0.690E 02
  67   88.4   87.1  1       0      0    0  0  0.0        0.0      0.0       0.0       0.0     18 21 33  5.0
04   447 0.252E-10   0.880E 00   338   97.4   96.7  4       0      0    0  0  0.0        0.0      0.0
  0.0      0.0     18 21 33  5.543   436 0.825E-11   0.421E 00   476  101.7  101.4  8       0      0
  0  0  0.0        0.C      0.0      0.0      0.0     18 21 33  5.973   442 0.273E-10   0.189E 01   586
  105.0  104.9 14       0      0    0  0  0.0        0.0      0.0      0.0      0.0

   18 21 33  6.075   452 0.772E-10   0.579E 01   612  105.7  105.7 16    752   699    0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0      0.0      0.0

                                                                19 21 33  6.883   603 0.623E-08
 0.105E 03    67  110.6  111.2  1       0      0   21 33  9.315    61.8  -110.9   1890.84    6.89     1
9 21 33  7.941   455 0.407E-10   0.142E 01   338  115.6  116.9  4       0      0    0  0  0.0        0.
0      0.0      0.0      0.0     19 21 33  8.480   453 0.429E-10   0.219E 01   475  117.0  118.6  8
   0      0    0  0  0.0        0.0      0.0      0.0      0.0     19 21 33  8.910   460 0.111E-09   0.7
66E 01   586  117.5  119.3 14       0      0    0  0  0.0        0.0      0.0       0.0       0.0     19 21
 33  9.008   500 0.405E-09   0.304E 02   611  117.5  119.4 16    751   694    0  0  0.0        0.0
  0.0      0.0      0.0

                                                                20 21 33  9.815   607 0.799E-08   0.135E
03    67  110.8  118.9  1       0      0    0  0  0.0        0.0      0.0       0.0       0.0     20 21 33
10.873   456 0.451E-10   0.158E 01   338  113.0  115.2  4       0      0    0  0  0.0        0.0      0.
0      0.0      0.0  1  FILE   1   ISTRT   524  ISTOP   643
                                                   0
                                                                                  SWP  HR MN    SE
C    CTS  CURRENT    NORM-CONC    POS    RAM    RRAM NO   SWPT PT-CH  HR MN  SEC        LAT     LONG
  ALT  VELOCITY 0

                                                                20 21 33 11.416   457 0.629E-10   0.321E 01   477
  110.0  112.1  8       0      0    0  0  0.0        0.0      0.0       0.0       0.0     20 21 33 11.846
 500 0.328E-09   0.226E 02   587  107.2  109.3 14       0      0    0  0  0.0        0.0      0.0       0
0      0.0     20 21 33 11.948   522 0.124E-08   0.931E 02   613  105.5  108.5 16    751   698    0
 0  0.0        0.0      0.0      0.0      0.0

                                                                21 21 33 12.748   606
 0.754E-08   0.127E 03    67  100.5  102.3  1       0      0    0  0  0.0        0.0      0.0       0.0
   0.0     21 21 33 13.806   456 0.461E-10   0.161E 01   338   91.8   93.1  4       0      0    0  0
0.0        0.0      0.C      0.0      0.0     21 21 33 14.345   455 0.545E-10   0.279E 01   476   87.2
```

```
                                                FILE NO          34          JUL   9          W
NKFLD          PASS NO        6964          TEMP    30.947                          1

                1  37-2  34     JUL  9, 67   7 WNKFLD     PASS NO   6964     TEMP   30.947     PERIO
D    0.0       AXIS ANG    0.0
          -        5.50     MAG LAT   63.59     MAG LONG   64.45                    L1   279    L2
358    L3   437    A 0.343E-11    B 0.134E-10    C 0.264E 01                     LIMH  50   IPOSC  5
0              LP1   276   LP2   348   LP3   421   AP 0.392E-11   BP 0.142E-10   CP 0.286E 01   SET
VALUE   0    N B   1                          0
                                                                                  SWP HR MN   SEC    CTS
  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG      ALT  V
ELOCITY 0

                                                                                1 14 15 14.511   544 0.1
04E-08   0.176E 02    67    0.0    0.0  1      0      0    0  0  0.0       0.0     0.0      0.0     0
.0      1 14 15 15.561   443 0.181E-10   0.634E 00   336    0.0    0.0  4    746   692    0  0  0.0
      0.0     0.0      0.0     0.0
                                                                              2 14 15 17.425   567 0.299E-
08   0.506E 02    67    0.0    0.0  1      0      0    0  0  0.0       0.0     0.0      0.0     0.0
    2 14 15 18.479   456 0.499E-10   0.174E 01   337    0.0    0.0  4      0      0    0  0  0.0
  0.0     0.0      0.0     0.0      2 14 15 19.018   443 0.228E-10   0.117E 01   475    0.0    0.0
8      0      0    0  0  0.0       0.0     0.0      0.0     0.0      2 14 15 19.542   436 0.0
 0.0          609    0.0    0.0       746   692    0  0  0.0       0.0     0.0      0.0     0.0

                                  3 14 15 20.335   577 0.486E-08   0.820E 02    66    0.0    0.0  1
   0      0   14 15 21.790    54.5   -23.7   2121.00    6.70     3 14 15 21.389   466 0.892E-10   0.3
12E 01   336    0.0    0.0  4      0      0    0  0  0.0       0.0     0.0      0.0     0.0      3 14
 15 21.929   454 0.0          0.0          474    0.0    0.0          0      0    0  0  0.0       0.0
  0.0      0.0     0.0      3 14 15 22.374   447 0.682E-10   0.512E 01   588    0.0    0.0 16      0
     0    0  0  0.0       0.0     0.0      0.0     0.0      3 14 15 22.472   445 0.738E-10   0.589E
01   613    0.0    0.0 18    747   689    0  0  0.0       0.0     0.0      0.0     0.0

                              4 14 15 23.251   575 0.442E-08   0.746E 02    66    0.0    0.0  1      0
 0    0  0  0.0       0.0     0.0      0.0     0.0      4 14 15 24.302   467 0.955E-10   0.334E 01
 335    0.0    0.0  4      0      0    0  0  0.0       0.0     0.0      0.0     0.0      4 14 15 24.8
48   452 0.0          0.0          475    0.0    0.0          0      0    0  0  0.0       0.0     0.0
   0.0     0.0      4 14 15 25.282   444 0.485E-10   0.364E 01   586    0.0    0.0 16      0      0
  0  0  0.0       0.0     0.0      0.0     0.0      4 14 15 25.388   443 0.610E-10   0.488E 01   613
    0.0    0.0 18    746   692    0  0  0.0       0.0     0.0      0.0     0.0
```



```
                                  5 14 15 26.141   477 0.112E-09   0.190E 01    60    0.0    0.0
1      0      0    0  0  0.0       0.0     0.0      0.0     0.0      5 14 15 26.165   553 0.158E-08
0.268E 02    66    0.0    0.0  4      0      0    0  0  0.0       0.0     0.0      0.0     0.0
5 14 15 27.219   451 0.320E-10   0.112E 01   336    0.0    0.0  4    746   692    0  0  0.0       0.
0     0.0      0.0     0.0
                                                                  6 14 15 29.079   543 0.954E-09   0.1
61E 02    66    0.0    0.0  1      0      0   14 15 29.789    54.8   -23.6   2128.86    6.69     6 14
 15 30.133   437 0.109E-10   0.381E 00   336    0.0    0.0  4    747   688    0  0  0.0       0.0
```

```
  0.0       0.0       0.0
                                                                  7 14 15 32.000   555 0.174E-08   0.295E
02    67    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0      0.0      7 14 15
33.054   446 0.249E-10   0.872E 00   337    0.0    0.0  4      0      0    0  0  0.0        0.0      0.
0      0.0      0.0      7 14 15 34.125   433 0.0          0.0          611    0.0    0.0        746   6
92    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                                 8 14 15 34.9
10   576 0.446E-08   0.753E 02    66    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0
   0.0      0.0      8 14 15 35.968   463 0.698E-10   0.244E 01   337    0.0    0.0  4      0      0
  0  0  0.0        0.0      0.0      0.0      0.0      8 14 15 36.511   451 0.425E-10   0.217E 01   476
    0.0    0.0  8      0      0    0  0  0.0        0.0      0.0      0.0      0.0      8 14 15 36.945
 446 0.511E-10   0.353E 01   587    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0
.0      0.0      8 14 15 37.039   447 0.682E-10   0.512E 01   611    0.0    0.0 16    747   693    0
 0  0.0        0.0      0.0      0.0      0.0
                                                                                  9 14 15 37.828   577
 0.472E-08   0.797E 02    66    0.0    0.0  1      0      0   14 15 37.787    55.1   -23.4   2136.69
   6.68     9 14 15 38.882   467 0.955E-10   0.334E 01   336    0.0    0.0  4      0      0    0  0
0.0        0.0      0.0      0.0      0.0      9 14 15 39.429   451 0.415E-10   0.212E 01   476    0.0
   0.0  8      0      0    0  0  0.0        0.0      0.0      0.0      0.0      9 14 15 39.859   447 0.5
37E-10   0.371E 01   586    0.0    0.0 14      0      0    0  0  0.0        0.0      0.0      0.0      0
.0      9 14 15 39.965   447 0.682E-10   0.512E 01   613    0.0    0.0 16    746   688    0  0  0.0
      0.0      0.0      0.0      0.0
                                                                        10 14 15 40.744   561 0.219E-
08   0.370E 02    67    0.0    0.0  1      0      0    0  0  0.0        0.0      0.0      0.0      0.0
   10 14 15 41.802   450 0.302E-10   0.105E 01   338    0.0    0.0  4      0      0    0  0  0.0
  0.0      0.0      0.0      0.0     10 14 15 42.337   440 0.149E-10   0.759E 00   475    0.0    0.0
8    746   692    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                                      1
1 14 15 43.658   541 0.875E-09   0.148E 02    67    0.0    0.0  1      0      0   14 15 45.785    55.
5   -23.2   2144.51    6.68     11 14 15 44.716   436 0.829E-11   0.290E 00   338    0.0    0.0  4
 747   689    0  0  0.0        0.0      0.0      0.0      0.0
                                                                                                 12 14
 15 46.574   551 0.141E-08   0.238E 02    67    0.0    0.0  1      0      0    0  0  0.0        0.0
  0.0      0.0      0.0     12 14 15 47.628   440 0.131E-10   0.458E 00   337    0.0    0.0  4    747
   693    0  0  0.0        0.0      0.0      0.0      0.0  1  FILE  34   ISTRT   520  ISTOP   638
                                                                                                 0

                      SWP HR MN   SEC    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-
CH  HR MN  SEC        LAT    LONG       ALT  VELOCITY 0

                   13 14 15 49.492   575 0.421E-08   0.712E 02    67    0.0    0.0  1      0      0
  0  0  0.0        0.0      0.0      0.0      0.0     13 14 15 50.542   460 0.581E-10   0.203E 01   336
    0.0    0.0  4      0      0    0  0  0.0        0.0      0.0      0.0      0.0

   13 14 15 51.078   447 0.346E-10   0.177E 01   473    0.0    0.0  8      0      0    0  0  0.0        REC      3, LENGTH  5280
  0.0      0.0      0.0      0.0     13 14 15 51.523   443 0.372E-10   0.256E 01   587    0.0    0.0 1
4      0      0    0  0  0.0        0.0      0.0      0.0      0.0     13 14 15 51.625   444 0.503E-10
 0.377E 01   613    0.0    0.0 16    747   693    0  0  0.0        0.0      0.0      0.0      0.0

                          14 14 15 52.406   575 0.434E-08   0.732E 02    66    0.0    0.0  1
   0      0   14 15 53.783    55.8   -23.1   2152.29    6.67    14 14 15 53.464   462 0.650E-10   0.2
27E 01   337    0.0    0.0  4      0      0    0  0  0.0        0.0      0.0      0.0      0.0     14 14
 15 54.007   451 0.0          0.0          476    0.0    0.0          0      0    0  0  0.0        0.0
  0.0      0.0      0.0     14 14 15 54.441   451 0.795E-10   0.597E 01   587    0.0    0.0 16      0
    0    0  0  0.0        0.0      0.0      0.0      0.0     14 14 15 54.543   450 0.987E-10   0.789E
01   613    0.0    0.0 18    747   689    0  0  0.0        0.0      0.0      0.0      0.0

                      15 14 15 55.322   561 0.219E-08   0.370E 02    66    0.0    0.0  1      0
  0    0  0  0.0        0.0      0.0      0.0      0.0     15 14 15 56.380   445 0.231E-10   0.808E 00
 337    0.0    0.0  4      0      0    0  0  0.0        0.0      0.0      0.0      0.0     15 14 15 56.9
19   443 0.228E-10   0.117E 01   475    0.0    0.0  3      0      0    0  0  0.0        0.0      0.0
   0.0      0.0     15 14 15 57.353   433 0.0          0.0          586    0.0    0.0          0      0
```

```
 0  0  0.0        0.0      0.0       0.0      0.0      15 14 15 57.455   433 0.0          0.0          612
   0.0     0.0        746   692     0  0  0.0        0.0      0.0       0.0      0.0

                16 14 15 58.240   541 0.875E-09   0.148E 02    67    0.0     0.0  1    748   693    0
 0  0.0        0.0      0.0       0.0      0.0
                                                                                  17 14 16  1.162   545
 0.107E-08   0.181E 02    67    0.0     0.0  1       0       0   14 16  1.781    56.1   -22.9   2160.05
   6.66    17 14 16  2.212   437 0.107E-10   0.373E 00   336    0.0     0.0  4    747   689    0  0
 0.0        0.0      0.0       0.0      0.0
                                                                                18 14 16  4.078   567 0.3
 13E-08   0.528E 02    67    0.0     0.0  1       0       0    0  0  0.0        0.0      0.0       0.0      0
 .0     18 14 16  5.128   450 0.302E-10   0.105E 01   336    0.0     0.0  4       0       0    0  0  0.0
      0.0      0.0       0.0      0.0      18 14 16  5.671   441 0.179E-10   0.912E 00   475    0.0     0
 .0  8       0       0    0  0  0.0        0.0      0.0       0.0      0.0      18 14 16  6.101   442 0.320E-
 10   0.221E 01   585    0.0     0.0 14       0       0    0  0  0.0        0.0      0.0       0.0      0.0
   18 14 16  6.203   443 0.467E-10   0.351E 01   611    0.0     0.0 16    747   693    0  0  0.0
  0.0      0.0       0.0      0.0
                                                                          19 14 16  6.992   575 0.442E-08
 0.746E 02    66    0.0     0.0  1       0       0    0  0  0.0        0.0      0.0       0.0      0.0      1
 9 14 16  8.043   454 0.426E-10   0.149E 01   335    0.0     0.0  4       0       0    0  0  0.0        0.
 0     0.0       0.0      0.0      19 14 16  8.593   445 0.276E-10   0.141E 01   476    0.0     0.0  8
   0       0    0  0  0.0        0.0      0.0       0.0      0.0      19 14 16  9.027   447 0.563E-10   0.3
 89E 01   587    0.0     0.0 14       0       0    0  0  0.0        0.0      0.0       0.0      0.0      19 14
  16  9.129   451 0.819E-10   0.615E 01   613    0.0     0.0 16    747   693    0  0  0.0        0.0
  0.0      0.0       0.0
                                                                  20 14 16  9.886   477 0.118E-09   0.200E
 01    60    0.0     0.0  1       0       0   14 16  9.779    56.5   -22.7   2167.78    6.66    20 14 16
  9.910   563 0.241E-08   0.407E 02    66    0.0     0.0  4       0       0    0  0  0.0        0.0      0.
 0     0.0       0.0      20 14 16 10.968   446 0.237E-10   0.829E 00   337    0.0     0.0  4       0
  0    0  0  0.0        0.0      0.0       0.0      0.0      20 14 16 11.507   442 0.203E-10   0.104E 01
 475    0.0     0.0  8       0       0    0  0  0.0        0.0      0.0       0.0      0.0      20 14 16 11.9
 5   437 0.0          0.0          587    0.0     0.0       0       0    0  0  0.0        0.0      0.0
   0.0      0.0      20 14 16 12.047   435 0.0          0.0          613    0.0     0.0        747   693
  0  0  0.0        0.0      0.0       0.0      0.0


  21 14 16 12.830   544 0.101E-08   0.171E 02    67    0.0     0.0  1    747   693    0  0  0.0        REC      4, LENGTH  5280
  0.0      0.0       0.0      0.0
                                                                          22 14 16 15.744   541 0.875E-09
 0.148E 02    66    0.0     0.0  1       0       0   14 16 17.778    56.8   -22.6   2175.49    6.65     2
 2 14 16 16.802   433 0.451E-11   0.158E 00   337    0.0     0.0  4    748   689    0  0  0.0        0.
 0     0.0       0.0      0.0
                                                                  23 14 16 18.664   565 0.275E-08   0.4
 65E 02    66    0.0     0.0  1       0       0    0  0  0.0        0.0      0.0       0.0      0.0      23 14
  16 19.722   442 0.153E-10   0.536E 00   337    0.0     0.0  4       0       0    0  0  0.0        0.0
  0.0      0.0       0.0      23 14 16 20.258   437 0.134E-10   0.686E 00   474    0.0     0.0  8       0
     0    0  0  0.0        0.0      0.0       0.0      0.0      23 14 16 20.691   437 0.0          0.0
     585    0.0     0.0          0       0    0  0  0.0        0.0      0.0       0.0      0.0      23 14 16
 20.797   436 0.0          0.0          612    0.0     0.0        747   693    0  0  0.0        0.0      0.
 0     0.0       0.0  1  FILE  34   ISTRT   520  ISTOP   638
                                                  0
                                                                                  SWP HR MN   SE
 C    CTS  CURRENT    NORM-CONC   POS    RAM   RRAM NO   SWPT PT-CH  HR MN  SEC        LAT    LONG
  ALT  VELOCITY 0

                                                                                24 14 16 21.582
 575 0.434E-08   0.732E 02    66    0.0     0.0  1       0       0    0  0  0.0        0.0      0.0       0
 0     0.0      24 14 16 22.644   453 0.376E-10   0.131E 01   338    0.0     0.0  4       0       0    0
 0  0.0        0.0      0.0       0.0      0.0      24 14 16 23.179   444 0.255E-10   0.130E 01   475
 0.0     0.0  8       0       0    0  0  0.0        0.0      0.0       0.0      0.0      24 14 16 23.617   445
 0.462E-10   0.319E 01   587    0.0     0.0 14       0       0    0  0  0.0        0.0      0.0       0.0
   0.0      24 14 16 23.719   451 0.783E-10   0.588E 01   613    0.0     0.0 16    748   693    0  0
 0.0        0.0      0.0       0.0      0.0
```