#256

ALOUETTE 2

ISIS 2

CRC N(h) RAW PROFILES

65-098A-010
69-009A-01F
71-024A-01F

65-098A-01O ALOUETTE - 2

This data set has been restored. The DR and DS tape are 9-track, binary and multi-filed. The DR tape is a 3480 cartridge and the DS tape is 6250 BPI.

The DR, DS, and DD numbers along with the time spans are given as follows:

DR#	DS#	DD#	FILES	TIME SPAN
DR02790	DS02790	D-13730	1	12/15/65 - 12/20/67
		D-13729	2	12/16/65 - 03/10/70
		D-16582	3	05/25/67 - 07/10/72

ALOUETTE II N(H) PROFILES - VOLUME 2 REC 1. LENGTH 80 D-13781 12/16/65 3/10/70

```
4XT 68 6 65 350 17 7/16H                29.916E11 22  .65 -137.1  48.40 89          2540.39   2029.50  REC    2. LENGTH   520
   4042.64     -1.25   4199.24 -41225.32   4498.79   9037.18   4869.59   1056.12   5277.44   1622.75
   5705.33   -656.64   6149.78    655.82   6609.60    -60.57   7658.93   1538.66   8972.41    730.71
  10591.39    760.15  12572.37    404.01  14907.95    321.74  17573.07    134.31  20534.25    102.95
  23783.61    144.62  43868.09     23.56  70229.37     35.56 102790.31       .54 141538.81     27.42
 186416.04      1.42

4XT 69 6 65 350 17 7/46H                22.853E11 24  .65 -136.7  49.71 90          2131.83   2059.92  REC    3. LENGTH   560
   3559.07     -1.12   3688.18 -51865.43   3794.46  40786.19   3931.30  -9284.98   4067.25   8244.15
   4221.42    802.74   4610.16   -461.39   5000.34   -571.09   5418.74   1768.75   5864.08   -403.03
   6341.66   1334.74   7402.32    201.66   8658.22   1101.73  10322.48   1046.13  12392.51     54.28
  14734.19    261.46  17397.87    120.95  20334.20     41.88  23553.56    147.22  43466.95     27.55
  69611.20     24.84 101980.32     19.40 109171.49     41.65

4XT 70 5 65 350 17 8/16H                .277E11  3  .65 -136.2  51.02 90          1873.32   2090.03  REC    4. LENGTH   140
   3250.64     -1.07   3323.56-170420.38

4XT 71 5 65 350 17 8/46H                23.712E11 22  .65 -135.8  52.31 91          1391.70   2119.83  REC    5. LENGTH   520
   2669.97      -.91   2798.82 -26809.33   2893.98  12104.50   3004.78    391.72   3266.65  -2462.50
   3536.42   3047.20   3857.84   1739.97   4586.41    122.98   5447.94   1022.62   6510.62    321.96
   7821.97    732.90   9496.73    401.55  11518.30    213.94  13856.36    142.34  16495.49     82.56
  19412.22    102.01  22587.06     18.31  42258.37     30.01  68160.89     13.68 100294.07     36.99
 138608.34     11.32

4XT 72 6 65 350 17 9/16H                22.292E11 23  .65 -135.2  53.58 91          1168.75   2149.29  REC    6. LENGTH   540
   2397.85      -.84   2498.57 -40251.22   2557.23  -6838.67   2623.56  24031.60   2704.29   4644.89
   2933.31   2608.16   3202.26   1699.55   3512.18   1072.04   4209.82    148.99   5021.81    640.44
   6061.18    813.65   7421.64    430.82   9129.14    321.73  11180.66    152.91  13532.10     92.02
  16123.80    -36.79  18998.35    194.53  22146.01    -38.50  41682.65     46.18  67489.05      3.01
  99572.06     45.60 137860.10     16.54

4XT-62 4 65 352  5 7/45H                56.586E11 16  .68   20.5 -37.77 70          43702.41    615.13  REC    7. LENGTH   400
  45951.17   -457.39  50719.67   -305.36  55759.76   -255.21  61048.85   -242.81  72390.09   -214.56
  84733.12   -191.90 119990.27   -154.84 161420.08   -141.56 208998.06   -139.20 262683.77   -150.18
 322495.87   -156.09 335188.47   -167.30 348081.92   -233.45 361203.44   -258.28 367797.11   -433.78

4XT-62 4 65 352  5 8/15H                56.157E11 16  .68   21.0 -35.83 70          37036.80    629.37  REC    8. LENGTH   400
  41339.65   -273.64  45891.65   -258.37  50695.10   -241.18  55760.48   -210.10  61062.19   -218.54
  72414.63   -202.22  84774.38   -176.74 120021.48   -155.71 161419.25   -147.85 208909.29   -159.31
 262597.06   -142.39 322378.31   -157.37 335052.37   -185.37 347948.09   -219.29 360999.10   -347.73

4XT-61 4 65 352  5 8/45H                59.320E11 14  .67   21.3 -33.91 70          32920.40    644.58  REC    9. LENGTH   360
  36960.08   -297.85  41233.75   -302.27  45761.26   -278.07  50545.54   -251.97  55585.52   -229.58
  84552.02   -191.90 119740.08   -155.28 161133.94   -132.44 208631.26   -141.73 262216.88   -155.44
 321869.40   -174.55 334474.81   -258.39 347055.08   -633.39

4XT-61 4 65 352  5 9/16H                54.713E11 14  .67   21.7 -31.92 70          32625.31    661.32  REC   10. LENGTH   360
  32986.28   -785.61  37010.09   -318.90  41273.76   -312.58  45798.55   -277.19  50569.41   -266.15
  55608.06   -226.23  84562.78   -190.26 119731.37   -155.64 161091.28   -136.16 208527.17   -150.79
 262108.17   -147.76 321663.70   -189.44 334138.92   -415.46

4XT-60 4 65 352  5 9/46H                56.815E11 16  .66   22.1 -30.01 70          29128.67    678.49  REC   11. LENGTH   400
  29839.48   -516.22  30563.72   -480.61  31305.40   -415.89  32053.88   -433.42  32816.69   -394.29
  55582.16   -225.15  84516.69   -187.66 119673.96   -151.13 160980.87   -142.14 208432.15   -138.01
 261967.13   -150.78 321595.35   -161.02 334235.36   -188.42 347073.39   -247.56 353458.60   -570.68

4XT-59 4 65 352  510/16H                55.738E11 24  .66   22.4 -28.10 70          25454.95    696.62  REC   12. LENGTH   560
  26131.30   -394.48  26817.26   -390.63  27520.82   -329.31  28230.46   -352.25  28954.12   -318.07
  29683.36   -344.67  30421.76   -345.22  31169.83   -342.42  31930.83   -316.69  32694.53   -363.30
  40943.37   -296.01  50244.67   -226.82  55269.71   -207.87  84169.03   -171.77 119250.10   -147.73
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```
4XT 64 9 70  68 2011/ 2 B          211.615E11 15  .47  -53.2  37.83 75          5405.38   2738.66  REC     1. LENGTH   380
   8197.08   -905.31  12112.99     36.06  16981.22    175.49  23632.40    172.24  29860.14   183.61
  33799.02   -568.69  60790.60    335.75 107859.69   -455.61 170009.41    562.11 270118.42   -20.53
 393403.33    117.31 539363.62     41.92 731948.60   1085.62 902742.06  -2929.15

4XT 65 8 70  68 2011/31 B          154.701E11 13  .47  -53.0  38.93 75          5627.29   2753.94  REC     2. LENGTH   340
   8095.03   -979.05  15379.35    148.59  22922.74    152.67  29860.33    171.87  35334.03   546.85
  54284.49   -117.64  85687.80    151.66 140450.04     80.99 254982.19     20.73 371925.99   118.69
 521978.23    -17.14 604675.41     67.10

4XT 66 8 70  68 2012/ 4 B          147.391E11 13  .48  -52.8  40.17 76          5773.63   2770.67  REC     3. LENGTH   340
   7636.26  -1069.25  13540.19    251.28  21233.34     32.79  27707.73    187.90  29764.40   284.99
  35681.54    420.83  62621.12     30.32 134918.89    110.66 235733.25      -.22 332301.67   121.77
 467655.88     -9.69 578971.77    166.28

4XT 67 8 70  68 2012/36 B          166.109E11 11  .48  -52.5  41.36 77          5661.43   2786.24  REC     4. LENGTH   300
   7479.51  -1136.79  14556.55    242.82  22459.46    200.40  29220.97     59.20  34155.46   557.34
  61154.35     11.69 125948.76    107.91 235931.61     35.82 342285.61     63.30 453970.08 -1294.70

4XT 67 9 70  68 2013/ 6 B          148.358E11 11  .48  -52.3  42.48 77          5879.13   2800.23  REC     5. LENGTH   300
   7599.69  -1039.53  12904.00      1.86  19935.47    410.62  26467.58    101.80  34500.59   296.08
  54428.99     23.09 110284.51   -176.54 206045.55    333.10 339500.05     -3.80 471740.54   908.02
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ISIS 1

CRCN(H) SCALES PROFILES, TAPE

69-009A-01F

THIS DATA SET HAS BEEN RESTORED. THERE WERE ORIGINALLY SIX 7-TRACK, 800 BPI TAPES, WRITTEN IN BCD. THERE ARE TWO RESTORED TAPES. THE DR TAPES ARE 3480 CARTRIDGES AND THE DS TAPES ARE 9-TRACK, 6250 BPI WRITTEN IN EBCDIC. THE ORIGINAL TAPES WERE CREATED ON AN IBM 360 COMPUTER. THE DR AND DS NUMBERS ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS ARE AS FOLLOWS:

DR#	DS#	DD#	FILES	TIMESPAN
DR03423	DS03423	DD 23698	1	02/02/69 - 05/14/72
		DD 23699	2	05/14/69 - 10/30/72
		DD 13731	3	02/01/69 - 05/30/70
DR03424	DS03424	DD 16583	1	02/01/69 - 07/10/72
		DD 23700	2	02/01/69 - 10/13/72
		DD 42015	3	03/20/69 - 05/30/70

ISIS 1 & 2

CRC N(h) RAW PROFILES

69-009A-01F

71-024A-01F

This data set catalog consists of 13 CRC N(h) RAW PROFILES data tapes. The tapes are 800 BPI, EBCDIC, 1 file. They were created on an IBM 360 computer, and are 9-track except where noted in the catalog. The D and C numbers along with the time spans are as follows:

69-009A-01F ISIS 1

D#		C#	TIME SPAN
D-13731		C-11164	02/01/69 - 05/30/70
D-16583	*	C-12678	02/01/69 - 07/10/72
D-23698		C-17937	02/02/69 - 05/14/69
D-23699		C-17938	05/14/69 - 10/30/69
D-23700		C-17939	02/01/69 - 10/13/72
D-42015		C-21209	03/20/69 - 05/30/80

71-024A-01F ISIS 2

D#		C#	TIME SPAN	
D-13732		C-11165	04/08/71 - 10/13/72	VOL. 1
D-16584	*	C-12679	04/16/71 - 06/09/73	VOL. 2
D-16879	**	C-13140	04/09/71 - 03/23/74	VOL. 3
D-23755		C-17936	04/13/71 - 07/30/75	VOL. 4
D-30687	**	C-19720	09/22/71 - 01/25/77	VOL. 5
D-33661		C-20771	09/22/71 - 07/27/78	VOL. 6
D-40931		C-21045	10/09/71 - 08/26/79	VOL. 7

* These tapes are 7-track

** These tapes are 1600 BPI

This data set catalog also consists of 1 restored data set. It is on the following page.

DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE

ISIS I INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
69	32	1549	1038	4.4	-77.7	31	32	1556	1040	19.1	-79.1	51	43	1
69	32	1601	1041	30.1	-80.0	61	52	1617	1055	70.3	-80.5	86	88	1
69	32	1602	1041	32.4	-80.1	63	54	1617	1055	70.3	-80.5	86	88	4
69	32	1813	1042	38.3	-112.7	65	59	1828	1106	77.7	-110.5	88	95	4
69	32	1813	1042	38.3	-112.7	65	59	1828	1106	77.7	-110.5	88	95	1
69	32	2031	1049	62.4	-145.6	76	81	2033	1052	67.9	-145.2	79	86	5
69	32	2244	1100	75.3	-175.9	81	93	2253	2211	75.9	-10.5	81	119	5
69	33	57	1506	88.3	-147.8	88	106	106	2225	59.6	-40.2	76	133	5
69	33	300	1056	72.8	119.0	81	90	314	2224	61.1	-72.5	82	132	1
69	33	314	2224	61.1	-72.5	82	132	321	2231	34.1	-72.5	65	151	4
69	33	326	2234	13.8	-73.0	45	155	329	2235	1.6	-73.4	27	151	2
69	33	334	2237	-18.3	-74.1	-9	138	343	2243	-50.9	-75.0	-52	110	1
69	33	943	2228	46.7	-168.9	61	143	949	2232	22.8	-169.3	37	155	1
69	33	1322	1036	22.6	-41.4	47	46	1338	1045	61.3	-43.2	77	80	4
69	33	1522	1034	4.7	-72.1	32	33	1551	1055	74.2	-73.9	86	92	4
69	33	1731	1033	5.8	-104.4	28	34	1756	1046	64.5	-107.5	82	83	4
69	33	2208	1040	51.6	-172.0	65	71	2226	2210	74.2	-4.1	80	120	5
69	33	2320	1015	-69.9	163.6	-85	56	2333	1026	-41.5	163.3	-68	34	1
69	34	19	1042	58.3	155.7	69	77	35	2212	72.1	-35.7	81	122	1
69	34	147	1028	-30.2	130.2	-62	28	212	1034	21.2	125.4	25	45	1
69	34	245	2217	66.4	-67.1	83	127	252	2226	39.7	-66.5	69	147	1
69	34	303	2232	-4.7	-67.8	17	147	316	2239	-52.5	-69.2	-52	108	1
69	34	857	1048	70.3	27.7	78	88	906	2149	81.2	-169.2	85	113	5
69	34	1142	2233	-25.6	162.6	-54	131	1150	2238	-53.6	162.0	-78	107	1
69	34	1509	1033	35.7	-68.9	65	57	1522	1046	69.6	-69.1	84	87	1
69	34	1508	1033	33.4	-68.7	64	55	1522	1046	69.6	-69.1	84	87	4
69	34	1547	2226	21.2	99.8	27	154	1555	2230	-11.0	98.7	-41	142	2
69	34	1707	1030	12.4	-99.3	39	39	1729	1042	65.5	-101.7	83	84	4
69	34	1910	1028	1.0	-130.4	10	32	1952	2213	67.4	35.2	77	125	1
69	34	2137	1033	42.2	-165.9	58	63	2154	1728	88.4	-66.6	88	106	1
69	34	2356	1045	70.5	162.3	78	88	2359	1101	79.5	165.6	84	96	1
69	35	0	1116	82.5	168.9	85	99	8	2210	70.3	-29.6	80	123	1
69	35	205	1047	72.2	130.4	80	90	224	2221	41.5	-60.7	69	145	1
69	35	415	1054	76.9	99.7	83	94	427	2214	62.3	-93.1	84	129	5
69	35	427	2214	62.3	-93.1	84	129	433	2221	39.1	-92.9	69	146	4

69	35	830	1045	71.5	33.6	79	89	840	2200	76.1	-159.9	83	118	5
69	35	830	1045	71.5	33.6	79	89	840	2200	76.1	-159.9	83	118	1
69	35	1038	1043	70.3	1.2	78	88	1047	2146	80.9	164.7	85	113	1
69	35	1245	1039	66.2	-31.5	78	84	1254	2102	85.6	122.0	87	109	1
69	35	1520	2222	18.9	105.6	23	153	1528	2226	-13.2	104.5	-44	140	2
69	35	1601	1009	-68.2	-88.1	-68	56	1612	1018	-44.5	-88.5	-50	38	5
69	35	1639	1025	10.5	-93.4	38	38	1702	1039	66.6	-95.8	84	84	4
69	35	1915	1101	80.3	-123.6	87	97	1926	2212	61.7	41.5	74	129	1
69	35	2045	1022	-11.9	-155.7	-23	28	2058	1025	15.1	-158.2	27	41	1
69	35	2327	1037	65.9	167.5	75	84	2341	2207	68.4	-23.5	78	124	5
69	36	138	1044	73.4	136.4	81	91	157	2217	39.2	-54.9	66	145	1
69	36	347	1046	75.2	104.8	82	92	359	2209	64.0	-87.4	84	127	1
69	36	359	2209	64.0	-87.4	84	127	405	2217	40.8	-87.1	71	144	4
69	36	1608	1020	2.4	-86.9	27	34	1624	1025	38.3	-89.8	68	60	4
69	36	413	2221	8.4	-87.9	34	151	422	2225	-26.7	-89.2	-28	130	1

DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE

ISIS I INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
69	36	440	2315	-83.1	-81.3	-75	81	539	1026	31.5	71.7	44	54	2
69	36	1404	1022	11.8	-55.6	39	39	1406	1022	16.2	-56.0	45	42	1
69	36	1412	1024	29.7	-57.0	59	53	1425	1033	63.2	-58.1	80	81	1
69	36	1624	1025	38.3	-89.8	68	60	1640	1111	83.0	-82.2	89	99	1
69	36	1849	1129	84.8	-109.9	89	101	1859	2209	59.6	47.4	73	130	1
69	37	110	1037	71.7	141.8	79	89	121	2159	71.6	-50.4	83	121	1
69	37	336	2211	46.5	-81.2	75	140	406	2231	-64.7	-83.7	-64	97	1
69	37	529	1048	78.3	79.8	84	95	536	2148	78.1	-117.1	88	115	5
69	37	1543	1016	6.9	-81.6	35	37	1608	1032	68.9	-84.0	86	86	4
69	37	1807	1021	42.9	-116.5	68	64	1822	1153	86.2	-97.2	89	102	5
69	37	2338	953	-73.5	153.7	-86	62	2354	1009	-39.5	153.7	-68	37	1
69	38	43	1035	73.0	147.9	80	90	51	2137	80.4	-48.6	86	113	5
69	38	253	1043	77.9	117.5	84	94	303	2158	67.4	-76.1	85	123	5
69	38	304	2201	63.7	-75.8	83	126	310	2208	40.2	-75.4	70	143	4
69	38	318	2213	7.7	-76.3	36	149	327	2217	-26.9	-77.6	-25	129	1
69	38	1312	1014	16.9	-44.6	42	44	1327	1020	54.0	-46.7	74	73	4
69	38	1327	1020	54.0	-46.7	74	73	1339	1814	88.2	68.8	87	105	1
69	38	1532	1018	44.8	-78.6	73	66	1547	1506	88.4	-10.3	87	104	1
69	38	1730	1013	19.5	-109.2	46	46	1746	1022	60.1	-111.0	80	78	4
69	39	17	1038	77.5	155.3	83	93	22	2048	85.5	-53.5	87	108	5
69	39	147	1008	-16.1	125.2	-46	31	207	1013	27.1	121.4	36	51	2
69	39	225	1035	76.1	122.5	83	92	235	2153	69.1	-70.6	85	121	5
69	39	346	1005	-35.0	94.7	-66	36	415	1012	26.0	89.3	35	51	2
69	39	421	1014	40.8	88.3	56	62	432	1028	71.7	89.0	81	88	2
69	39	434	1039	78.0	91.1	84	94	441	2139	77.9	-105.4	89	114	5
69	39	1302	1019	60.8	-40.8	77	79	1311	1419	88.2	17.1	87	103	5
69	39	1539	2205	15.2	96.5	14	149	1547	2209	-16.2	95.4	-49	136	1
69	39	1712	1012	41.9	-104.9	69	63	1727	1141	86.1	-86.5	88	101	5
69	39	1916	1010	30.8	-136.5	53	55	1945	2156	58.6	32.7	71	129	2
69	39	2347	1022	69.5	158.8	77	86	2354	1956	87.1	-59.4	88	106	5
69	40	52	944	-73.5	133.0	-88	63	122	1004	-11.8	130.5	-40	32	2
69	40	158	1034	77.6	128.9	83	93	208	2150	67.1	-64.5	83	123	5
69	40	615	1034	78.1	64.8	83	94	622	2136	77.5	-131.6	86	114	5
69	40	1028	1018	66.2	-2.6	76	84	1036	1948	87.2	137.9	87	106	5
69	40	1632	1004	11.3	-97.1	38	42	1652	1014	62.4	-99.4	82	80	4

69	41	131	1033	79.1	135.6	84	94	137	2125	79.9	-62.9	87	112	1
69	41	130	1026	75.9	133.9	82	92	137	2125	79.9	-62.9	87	112	5
69	41	339	1029	77.8	102.6	84	93	346	2131	77.7	-93.7	89	113	5
69	41	1356	1000	10.6	-59.1	39	42	1417	1012	65.0	-61.3	82	82	4
69	41	2150	938	-71.7	177.0	-83	62	2219	956	-12.5	174.1	-34	34	1
69	42	230	953	-24.4	110.8	-57	35	252	959	23.0	106.7	29	50	1
69	42	322	2143	64.3	-84.8	85	123	328	2151	40.5	-84.4	71	139	4
69	42	328	2151	40.5	-84.4	71	139	331	2153	28.3	-84.6	60	144	1
69	42	322	2143	64.3	-84.8	85	123	335	2155	12.1	-85.1	41	146	2
69	42	337	2155	4.2	-85.4	28	144	346	2159	-29.1	-86.6	-31	126	1
69	42	434	952	-33.4	79.4	-64	38	450	956	-.6	76.4	-19	37	1
69	42	1216	2156	-16.2	145.0	-45	134	1316	952	-16.8	-50.9	-10	35	1
69	42	1330	956	13.3	-53.6	41	44	1346	1003	54.3	-55.8	76	74	4
69	42	1805	1005	60.7	-120.1	79	79	1814	1630	88.4	-25.9	87	103	5
69	42	2224	1008	67.4	175.9	76	84	2233	2109	81.7	-21.0	84	109	5

DEPARTMENT OF COMMUNICATIONS
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ISIS I INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
69	42	2330	930	-74.5	149.9	-87	65	2359	951	-15.2	147.9	-43	35	1
69	43	0	951	-13.1	147.7	-40	35	1	951	-11.1	147.5	-37	35	1
69	43	245	1032	81.0	116.7	85	95	301	2147	38.1	-78.6	69	139	2
69	43	309	2151	5.9	-79.5	33	144	319	2155	-30.8	-80.9	-31	124	1
69	43	1304	952	16.1	-48.1	42	46	1320	1000	58.5	-50.0	77	77	4
69	43	1509	950	8.2	-79.7	37	42	1529	1000	60.2	-82.1	82	78	4
69	43	1732	955	44.5	-114.2	69	66	1745	1059	84.8	-101.5	89	98	5
69	44	135	944	-26.1	122.4	-59	38	151	948	7.8	119.3	-3	42	2
69	44	217	1021	79.3	121.0	85	94	225	2129	71.5	-74.1	86	117	5
69	44	227	2135	63.8	-73.1	83	122	233	2142	39.8	-72.7	70	137	4
69	44	426	1028	81.3	90.6	85	95	442	2142	37.4	-105.0	65	138	1
69	44	426	1028	81.3	90.6	85	95	435	2133	65.4	-105.4	84	121	5
69	44	634	1022	79.9	57.0	84	94	641	2124	74.6	-139.3	84	114	5
69	44	1441	946	6.4	-73.8	35	42	1503	958	64.7	-76.1	83	82	4
69	44	2128	957	63.9	-172.8	74	81	2138	2102	81.4	-9.1	84	109	5
69	45	122	944	3.7	125.4	-11	41	130	946	22.5	123.9	28	51	5
69	45	1415	942	9.1	-68.3	38	44	1435	953	63.0	-70.5	82	81	4
69	45	1641	950	55.5	-102.9	78	75	1651	1301	88.0	-57.4	88	101	5
69	45	1847	947	48.3	-135.0	68	69	1859	1138	86.8	-110.2	89	100	5
69	46	42	936	-23.6	133.5	-55	39	120	959	72.5	129.7	81	88	2
69	46	332	1048	84.7	109.0	87	98	338	2118	72.6	-94.9	88	115	5
69	46	1407	948	61.2	-64.8	80	79	1414	1044	84.6	-52.4	87	97	5
69	46	1434	2135	16.6	105.1	18	141	1442	2138	-13.6	104.0	-45	133	2
69	46	1820	943	49.5	-129.2	70	70	1832	1340	88.2	-72.9	88	101	5
69	46	2032	946	60.5	-161.4	72	79	2041	1814	88.0	-36.7	87	102	5
69	47	304	1027	83.1	110.6	86	96	312	2120	66.5	-88.1	86	118	5
69	47	324	2132	18.3	-88.0	48	140	339	2139	-35.5	-90.1	-40	120	1
69	47	1256	926	-42.9	-52.4	-47	48	1347	1115	86.4	-37.9	87	99	1
69	47	1340	944	62.7	-58.9	80	80	1347	1115	86.4	-37.9	87	99	5
69	47	1752	938	47.7	-123.4	70	69	1804	1137	87.0	-96.7	88	99	5
69	48	237	1042	84.9	121.2	87	97	244	2114	68.2	-82.5	86	117	5
69	48	257	2128	16.0	-82.3	47	139	320	2141	-59.8	-84.9	-61	102	1
69	48	535	2155	-76.4	-114.9	-75	89	551	913	-68.2	50.6	-75	63	2
69	48	821	926	-24.8	16.2	-49	42	837	930	10.5	13.2	8	47	1
69	48	1029	925	-25.7	-15.9	-40	42	1045	929	9.5	-18.9	17	46	1

69	48	1520	938	59.6	-85.4	82	78	1528	1125	86.8	-60.7	88	99	5
69	48	1724	934	46.0	-117.6	70	68	1736	1048	85.4	-102.1	89	97	1
69	48	2049	909	-70.5	-175.1	-81	65	2105	921	-38.3	-175.9	-62	47	1
69	48	2148	943	68.7	178.6	77	85	2155	1957	85.8	-29.4	86	103	5
69	48	2255	902	-75.5	151.7	-86	69	2324	924	-16.6	150.0	-45	42	1
69	49	123	921	-36.1	119.5	-68	46	151	929	27.1	114.5	37	56	1
69	49	233	2125	2.4	-77.0	28	137	251	2135	-55.4	-79.1	-57	105	1
69	49	333	921	-32.9	87.0	-64	45	349	925	1.3	84.1	-16	44	1
69	49	443	2125	-3.5	-109.4	7	135	451	2129	-30.7	-110.6	-40	122	1
69	49	644	2122	24.9	-140.6	45	137	700	2129	-32.6	-142.8	-50	121	2
69	49	644	2122	24.9	-140.6	45	137	700	2129	-32.6	-142.8	-50	121	1
69	49	757	922	-18.2	21.3	-43	42	818	928	31.8	17.6	44	59	1
69	49	853	2122	22.5	-172.8	36	137	909	2129	-34.4	-175.1	-58	119	1
69	49	853	2122	22.5	-172.8	36	137	909	2129	-34.4	-175.1	-58	119	2
69	49	1002	921	-25.4	-10.2	-42	43	1028	929	36.2	-14.8	53	62	1

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ISIS I INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
69	49	1111	2125	-13.4	153.6	-39	131	1127	2135	-61.5	152.1	-84	101	1
69	49	1214	922	-18.0	-43.1	-15	42	1228	925	13.9	-45.7	38	49	1
69	49	1214	922	-18.0	-43.1	-15	42	1228	925	13.9	-45.7	38	49	2
69	49	1243	933	56.0	-47.5	75	75	1248	944	72.6	-46.1	83	88	5
69	49	1310	2121	21.7	122.8	28	137	1326	2128	-34.9	120.5	-68	119	1
69	49	1310	2121	21.7	122.8	28	137	1326	2128	-34.9	120.5	-68	119	2
69	49	1422	921	-18.9	-75.2	-11	43	1436	925	12.8	-77.8	43	49	1
69	49	1527	2124	-10.5	89.3	-40	132	1532	2126	-27.3	88.6	-61	124	1
69	49	1625	919	-30.2	-106.4	-37	45	1641	923	4.6	-109.4	24	46	1
69	49	1724	2119	32.9	58.7	48	134	1741	2126	-29.2	56.3	-59	123	1
69	49	1725	2119	28.9	58.6	42	135	1741	2126	-29.2	56.3	-59	123	2
69	49	1844	922	-7.9	-140.6	-11	43	1918	1509	88.4	-62.2	88	100	1
69	49	1934	2119	26.5	26.3	36	136	1950	2126	-31.1	24.0	-59	121	1
69	49	1934	2119	26.5	26.3	36	136	1950	2126	-31.1	24.0	-59	121	2
69	49	2050	921	-13.2	-172.3	-31	43	2113	928	44.7	-176.2	59	67	1
69	49	2149	2122	1.1	-6.8	-13	136	2151	2123	-6.2	-7.1	-26	134	1
69	49	2257	920	-16.3	155.7	-43	43	2311	924	16.0	153.1	16	50	1
69	49	2258	920	-14.1	155.5	-40	43	2311	924	16.0	153.1	16	50	2
69	50	58	917	-31.8	124.9	-64	46	109	920	-8.6	122.8	-35	43	1
69	50	110	921	-6.3	122.7	-31	43	123	924	25.3	120.3	33	55	1
69	50	142	1037	85.1	133.7	87	97	149	2106	67.6	-70.8	84	116	5
69	50	202	2119	15.5	-70.6	47	137	227	2134	-64.1	-73.2	-63	99	1
69	50	351	1134	87.1	115.7	87	98	358	2107	65.3	-102.7	85	117	5
69	50	742	921	9.3	24.8	4	48	749	923	27.3	23.6	38	57	1
69	50	820	2114	44.3	-166.5	59	129	829	2119	8.7	-167.5	15	137	1
69	50	1044	2121	-15.1	159.3	-41	130	1100	2132	-62.3	157.9	-83	100	1
69	50	1633	929	58.0	-106.1	80	77	1642	1439	88.4	-30.7	87	100	5
69	50	1818	918	-5.2	-135.1	-4	44	1835	923	38.3	-138.0	60	63	1
69	50	1842	929	60.0	-138.2	75	78	1851	1844	87.5	-1.7	87	101	5
69	50	2053	934	68.7	-169.8	77	84	2100	1956	85.5	-15.9	86	103	5
69	51	114	1013	83.5	134.7	86	95	121	2100	69.3	-65.2	84	114	5
69	51	323	1040	85.6	109.3	87	97	323	1040	85.6	109.3	87	97	5
69	51	532	1156	87.5	96.0	87	98	538	2100	68.5	-129.5	82	114	5
69	51	1358	926	61.0	-68.0	81	79	1405	1037	85.5	-52.1	87	97	5
69	51	1425	2113	15.0	102.0	14	135	1433	2116	-14.0	100.8	-45	129	2

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    18.41  729.     26.00  663.     36.02  602.

4XT 80 151  227/39  -84.2  31.01  109   61  .358  8            .700E13   8
      .20 3517.       .40 2656.      .83 1934.     1.50 1552.     2.87 1246.     8.75  903.    15.44  777.
    24.11  692.

4XT 80 151  227/58  -84.2  31.65  109   62  .361  6           1.626E13  12
      .25 3516.       .62 2589.     1.05 2076.     1.61 1726.     2.71 1406.     5.37 1117.    12.43  874.
    20.35  764.     35.50  658.    49.14  593.    53.59  578.    65.38  533.

4XT 80 151  228/18  -84.3  32.32  108   63  .364  6           1.258E13  10
      .24 3515.       .41 2793.      .89 2012.     1.90 1543.     3.29 1272.     8.87  941.    18.32  777.
    28.63  687.     35.96  643.    49.66  580.

4XT 80 151  228/38  -84.4  32.99  108   63  .367  8            .995E13   8
      .23 3513.       .48 2594.     1.08 1839.     2.17 1457.     4.96 1108.    12.88  842.    23.19  713.
    35.91  629.

4XT 80 151  228/57  -84.4  33.63  108   64  .369  8            .886E13   8
      .24 3511.       .63 2443.     1.24 1835.     2.44 1408.     6.08 1019.    14.19  793.    21.85  707.
    30.89  649.

4XT 80 151  229/55  -84.6  35.57  106   65  .378  6           1.322E13   8
      .23 3505.       .81 2266.     2.17 1542.     5.60 1127.    13.95  852.    24.19  734.    35.78  659.
    49.17  595.

4XT 80 151  230/13  -84.6  36.18  106   66  .381  8            .951E13   8
      .24 3502.       .77 2236.     1.68 1600.     3.56 1228.     9.61  878.    17.37  741.    26.88  664.
    34.95  623.

4XT 80 151  230/33  -84.7  36.85  105   66  .383  6            .898E13   7
      .23 3499.       .69 2388.     1.60 1745.     3.37 1375.     8.85 1008.    17.87  827.    27.06  731.

4XT 80 151  230/53  -84.7  37.52  105   67  .386  6            .987E13   8
      .23 3495.       .44 2703.      .99 1917.     2.23 1439.     6.36 1006.    16.13  761.    24.08  683.
    35.62  613.

4XT 80 151  231/10  -84.8  38.09  105   67  .389  6           1.872E13  12
      .23 3492.       .59 2470.     1.43 1723.     2.83 1352.     7.18  991.    14.27  806.    23.01  705.
    34.39  622.     48.69  552.    56.06  532.    66.32  502.    74.78  461.

4XT 80 151  231/32  -84.8  38.83  104   68  .392  6           1.266E13   9
      .24 3488.       .58 2520.     1.50 1703.     2.98 1333.     8.58  935.    18.72  748.    30.86  654.
    40.64  606.     49.36  569.
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ISIS I REAL HEIGHT PROFILES
(EL/CC X 10E-4, KM)

	YR	DAY	GMT	LONG	LAT	CHI	DIP	FH	Q	TOTALN	P				
4XT	80	151	231/50	-84.9	39.44	104	68	.395	8	.382E13	5				
	.23	3484.		.54	2557.	1.36	1746.		2.90	1308.	6.91	951.			
4XT	80	151	232/10	-84.9	40.11	103	69	.398	6	.784E13	7				
	.22	3480.		.59	2462.	1.52	1677.		3.24	1278.	10.00	884.	16.06	777.	24.45	695.
4XT	80	151	232/30	-85.0	40.79	103	69	.401	6	1.865E13	12				
	.21	3475.		.39	2798.	.94	1997.		2.27	1443.	6.54	989.	16.09	739.	27.73	629.
	37.37	581.	47.35	543.	54.50	519.	65.22	485.	77.63	438.						
4XT	80	151	232/48	-85.0	41.39	102	69	.403	6	1.685E13	10				
	.20	3470.		.76	2251.	1.91	1570.		4.79	1148.	14.35	798.	25.34	674.	35.81	609.
	47.98	555.	53.31	535.	66.62	487.										
4XT	80	151	233/ 8	-85.1	42.07	102	70	.406	6	1.093E13	8				
	.21	3465.		.62	2386.	1.64	1624.		3.13	1276.	9.21	863.	21.56	659.	30.19	601.
	40.62	556.														
4XT	80	151	233/45	-85.2	43.32	101	71	.412	6	1.918E13	12				
	.20	3454.		.66	2364.	1.68	1631.		3.26	1273.	9.65	883.	16.61	748.	22.92	679.
	34.17	605.	47.88	542.	52.47	527.	65.54	489.	80.64	439.						
4XT	80	151	234/ 5	-85.2	44.00	101	71	.415	6	1.761E13	11				
	.19	3448.		.55	2481.	1.48	1701.		3.39	1246.	10.39	829.	21.33	660.	32.36	584.
	46.98	520.	53.92	500.	65.82	469.	76.20	436.								
4XT	80	151	234/25	-85.3	44.68	100	72	.418	6	1.400E13	7				
	.28	3442.		.75	2470.	1.95	1704.		6.05	1127.	14.52	821.	30.91	646.	47.31	569.
4XT	80	151	234/43	-85.3	45.29	100	72	.420	6	1.169E13	8				
	.24	3436.		.67	2470.	1.76	1708.		3.61	1308.	10.13	894.	21.25	705.	30.11	631.
	38.10	586.														
4XT	80	151	235/ 3	-85.4	45.97	99	72	.423	6	.845E13	7				

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      .21 3429.       .57 2483.      1.62 1657.      3.33 1257.     10.81  825.     17.24  714.     24.62  638.

4XT 80 151  235/23  -85.4  46.65    99   73  .426   6              1.677E13  11
      .20 3422.       .46 2631.      1.22 1837.      2.43 1432.     5.78 1062.     12.81  812.     21.57  691.
    32.76  601.    47.39  529.    53.84  506.    67.45  462.

4XT 80 151  235/43  -85.5  47.33    98   73  .429   6              1.332E13   8
      .20 3414.       .49 2613.      1.48 1769.      4.02 1229.     12.54  818.     23.05  673.     33.33  599.
    47.40  533.

4XT 80 151  236/ 3  -85.5  48.02    98   74  .432   6              1.400E13   8
      .21 3407.       .73 2323.      2.04 1585.      5.37 1118.     14.35  794.     24.30  658.     34.94  576.
    47.49  516.

4XT 80 151  236/20  -85.5  48.60    97   74  .435   6              1.165E13   7
      .22 3400.       .61 2493.      1.90 1661.      5.04 1179.     12.49  873.     24.93  696.     35.77  611.

4XT 80 151  236/39  -85.6  49.25    97   75  .438   6               .925E13   8
      .20 3392.       .60 2447.      1.48 1783.      2.66 1445.     8.61  968.     16.48  799.     22.73  721.
    27.24  676.

4XT 80 151  236/58  -85.6  49.90    97   75  .441   6              1.940E13  11
      .20 3384.       .42 2735.      1.31 1860.      2.92 1395.     9.95  894.     21.80  692.     32.63  608.
    47.06  535.    53.42  510.    62.69  479.    73.26  438.

4XT 80 151  237/18  -85.7  50.59    96   75  .444   6              1.445E13   8
      .18 3375.       .51 2548.      1.34 1859.      3.44 1346.     11.99  874.     24.28  682.     34.34  602.
    47.64  533.

4XT 80 151  237/38  -85.7  51.28    96   76  .447   8              1.594E13   8
      .28 3366.       .65 2720.      1.60 2060.      2.61 1714.     6.81 1189.     16.35  880.     31.00  693.
    46.36  598.

4XT 80 151  237/56  -85.7  51.90    95   76  .449   8              1.341E13   7
      .23 3358.       .64 2710.      1.37 2156.      3.05 1585.     10.35 1025.     22.88  782.     35.12  660.

4XT 80 151  238/15  -85.8  52.55    95   76  .452   7              1.537E13  13
      .24 3349.       .63 2634.      1.60 1980.      2.37 1706.     2.98 1541.      4.56 1299.      7.79 1072.
    10.37  912.    12.41  778.    16.69  619.    22.77  526.    28.87  446.    33.57  387.

4XT 80 151  238/35  -85.8  53.25    94   77  .455  -1              1.787E13  11
      .20 3339.       .43 2732.      1.32 1941.      2.32 1595.     3.97 1297.      7.62  997.     14.21  775.
    25.47  590.    34.34  499.    43.18  423.    47.65  381.
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ISIS I REAL HEIGHT PROFILES
(EL/CC X 10E-4, KM)

	YR	DAY	GMT	LONG	LAT	CHI	DIP	FH	Q	TOTALN	P				
4XT	80	151	238/53	-85.8	53.87	94	77	.458	6	2.113E13	12				
	.21	3330.		.43	2735.	1.04	2048.		2.19 1570.	4.95 1156.		12.69	803.	25.20	596.
	39.15	481.		47.43	433.	51.38	412.		58.81 372.	63.21 337.					
4XT	80	151	239/13	-85.8	54.57	93	78	.461	6	1.810E13	11				
	.14	3320.		.47	2534.	1.16	1912.		2.72 1391.	6.52 987.		15.70	688.	27.17	541.
	36.86	463.		46.92	402.	51.18	381.		57.51 346.						
4XT	80	151	239/32	-85.9	55.23	93	78	.464	6	1.518E13	10				
	.16	3310.		.29	2806.	.80	2083.		2.27 1499.	3.65 1264.		7.32	965.	15.67	706.
	27.16	563.		38.31	476.	47.75	417.								
4XT	80	151	239/51	-85.9	55.89	92	78	.467	6	1.209E13	9				
	.15	3300.		.36	2696.	.97	2033.		2.23 1548.	4.64 1195.		8.77	931.	19.04	685.
	29.32	572.		35.01	523.										
4XT	80	151	240/10	-85.9	56.55	92	79	.470	6	1.805E13	10				
	.22	3289.		.46	2654.	1.01	2065.		2.34 1574.	5.70 1127.		12.44	835.	22.81	660.
	33.36	555.		46.99	454.	52.38	413.								
4XT	80	151	240/30	-85.9	57.25	91	79	.473	6	1.685E13	11				
	.20	3278.		.43	2685.	.89	2163.		2.02 1626.	3.76 1292.		8.50	929.	12.71	785.
	21.34	632.		29.31	552.	40.02	463.		47.69 392.						
4XT	80	151	240/49	-85.9	57.92	91	79	.476	6	1.661E13	9				
	.20	3267.		.49	2628.	1.24	1971.		2.82 1455.	8.36 940.		17.18	695.	28.88	561.
	39.72	476.		47.83	413.										
4XT	80	151	241/ 8	-86.0	58.59	90	80	.479	6	1.432E13	9				
	.23	3256.		.50	2663.	1.09	2074.		2.14 1644.	3.98 1297.		8.39	949.	18.71	676.
	30.83	543.		41.36	467.										

```
   END OF FILE ENCOUNTERED   4XT 80 6 80 151  241/ 8  3          143.183E11  9 .479  -86.0  58.59 90

   END OF JOB      2551 PROFILES
*STOP* 0
```

E0D

```
999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99
999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99


09:00 OCT 22,'80 ID=06F2     284201E
ELAPSED JOB TIME                   00:07:00
PARTITION NUMBER                          1
TOTAL CPU TIME                       4.2570
  PROCESSOR EXECUTION TIME            .1124
  PROCESSOR SERVICE TIME              .0239
  USER EXECUTION TIME                3.8597
  USER SERVICE TIME                   .2611
CARDS:  CARDS READ                      109
PAGES:  PROCESSOR PAGES                  11
        USER PAGES                      253
TAPES:  DRIVES ALLOCATED                  1
        TAPES MOUNTED                     1
CORE:   PEAK CORE(PAGES)                107
        PAGE.MINUTES                 64.8793
I/O:    OPERATIONS                      3510
        CALS                           14853
FILE SPACE
  AVLBL RAD PERMANENT                   9999
  PEAK DISK TEMPORARY                      2
  AVLBL DISK PERMANENT                  1896
NUMBER OF SWAPS                           1
RESOURCES ALLOCATED
  9T=  1 CO=106(PAGES)
CHARGES                        $        15.10
```

284201E

D13731

TF-00

2/1/69 - 5/30/70

REC 1. LENGTH 80

REC 2. LENGTH 520

```
4XT 34 8 69  32 1545/42 C              181.464E11 22  .27  -77.9    5.86 33          5432.05   3399.63
   5739.47  -2789.28   6357.90  -2584.95   7195.79   3290.46   7915.90   1363.29   8575.6    1657. 2
    164.82   2061.79  10602.37   1459.27  16268.19    589.30  24764.92    277.74  33304.91    241.22
  54139.20    110.50  96181.14     86.22 145897.27     31.27 247066.35     47.37 522711.95     10.31
 569415.95   -189.68 646137.89    144.58 737282.94   -126.92 886782.65     78.43   6341.97   -393.93
1129040.91     86.14
```

REC 3. LENGTH 480

```
4XT 35 8 69  32 1550/12 C              156.026E11 20  .27  -78.0    6.89 34          5470.02   3386.59
   5770.81  -2725.21   6246.43  -2748.32   6998.48   1212.27   7736.66   1504.52   8927.83   2516.91
  10491.00   1344.95  13593.93    970.62  21137.57    388.14  34297.03    245.05  62042.34     79.92
 134174.12     57.22 222564.05     27.59 399552.34     32.94 517636.85     -4.80 570414.70   -108.87
 667652.43    -10.43 802627.90     75.56 989241.91   -164.211145580.28   1032.02
```

REC 4. LENGTH 440

```
4XT 36 8 69  32 1550/41 C              182.283E11 18  .28  -78.1    7.89 34          4787.49   3373.42
   5345.92  -1950.25   6188.10  -4865.56   7158.74   3052.43   8252.83   1244.55    310.07   2128.62
  13508.85   1202.61  19306.06    193.68  36081.17    205.76 115253.62     70.83 252614.24     35.95
 526001.07     10.44 552258.29    142.04 634428.59    -60.12 756150.59     18.64 867456.78    -50.67
1022647.86    -90.461202685.36   -4 7.57
```

REC 5. LENGTH 340

```
4XT 38 8 69  32 1551/11 C              103.292E11 13  .28  -78.2    8.93 35          5991.58   3359.20
   6291.40  -4493.82   7045.98   6466.00   7706.77   1562.22   8969.75   2706.16  10925.53   1585. 6
  16131.34    665.31  24471.03    298.42  38316.12    174.25  84252.73    120.07 150944.00     17.25
 288729.32     26.23 509078.81     36.27
```

REC 6. LENGTH 380

```
4XT 39 8 69  32 1551/41 C               97.232E11 15  .29  -78.3    . 7 36          5336.93   3344.38
   5688.40  -2891.90   6082.80  -9430.57   6846.93   6586.49   7708.43    774.59   8703.57   2711.28
  10622.92   1402.04  14535.56    660.33  20969.25    288.09  29796.67    209.39  45100.93    132.55
  81123.41     96.45 121356.20     25.17 23 415.82     35.15 511341.8      36.01
```

REC 7. LENGTH 460

```
4XT 41 8 69  32 1552/10 C              171.007E11 19  .29  -78.4   10.98 37          5335.99   3329.49
   5723.17  -3029.11   6649.43   -746.13   7514.49   3586.75   8278.03   2126.33   9536.61   1783.36
  12761.65    887.10  19125.29    117.71  26158.81    624.87  42282.20    216.90  81433.18     41.51
 149472.54     28.54 271044.35     31.44 520058.53     14.04 557232.97     41.83 659534.96    145.12
 828288.82     84.74 988021.67   -682.98114213.81    100.33
```

REC 8. LENGTH 320

```
4XT 42 8 69  32 1552/40 C              104.829E11 12  .30  -78.4   12.03 37          5284.82   3313.51
   5801.92  -2828.70   6350.24  -7335.26   7230.23   7171.52   8655.48   1239.41  10333.28   1891.52
  14775.54    562.76  26629.00    317.50  55618.13      8 .05 110863.05     48.85 230684.99     40.64
 497183.94     13.15
```

REC 9. LENGTH 460

```
4XT 43 8 69  32 1553/ 9 C              188.685E11 19  .31  -78.5   13.04 38          5144.76   3297.51
   5368.11  -4130.74   5877.83   2317.34   6418.71   4507.32   7197.28   2920.71   8076.08   1916.39
   9613.23   1683.33  13042.61    694.80  22024.00    299.87  32675.39    150.65  79199.14     93.19
 164806.78     19.09 257047.73     35.96 505036.20     49.27 550706.54   -294.61 782722.27     72.46
1051166.24    -46.2712421 71.37   -58.021352031.99   -890.90
```

REC 10. LENGTH 420

```
4XT 45 8 69  32 1553/39 C              156.359E11 17  .31  -78.6   14.10 39          5018.75   3280.38
   5494.08  -2101.61   6044.03  -9560.05   6428.63    504 .25   7182.10   3481.73   7785.27   2535.88
   9173.89   2242.59  11671.19    843.25  16149.37    527.36  21970.81    168.05  41456.18    181.89
  98383.08     69.54 294684.12     22.60 515733.58     39.71 544978.31    470.01 737238.51   -107.58
1086197.42    -21.24
```

REC 11. LENGTH 360

```
4XT 46 8 69  32 1554/ 8 C               95.247E11 14  .32  -78.7   15.12 40          4841.22   3263.27
   5103.17  -2961.06   5513.53 -10312.29   6005.68   9561.29   6601.99   1493.58   7201.56   2974.65
   8775. 5   2122.04  13159.04    715.47  22595.16    225.65  33092.19     94.27  56994.98    155.65
 124415.95     21.68 336798.59     39.85 503935.86     20.88
```

REC 12. LENGTH 500

```
4XT 47 8 69  32 1554/38 C              117.078E11 21  .33  -78.8   16.18 41          4815.83   3245.00
   5080.20  -2932.04   5456.76  -8427.71   5957.62   6799.99   6637.88   2302.23   7487.14   2461.27
   8296.29   1591.39   9867.43   1207.58  12957.28    593.70  17663.12    376.35  23639.31    142.99
  30005.96    183.62  41532.60    100.24   3155.52     88.32 155001.67     -2.86 255409.14     63.10
```

```
4XT 75 8 70 150  349/58                74.242E11 15  .54  -65.0  4 .57108          567.00   2679.29  REC     1. LENGTH   380
   599.80   -532.32    832.64     94.20   1265.12   -183.45   2337.62     88.08   4524.72     44.78
  8163.85      9.36  13633.28    112.29  21477.89     41.74  35749.14     34.02  85518.53     24.30
144321.50    -29.80 200775.50    -78.13 234353.15   -3  .06 248870. 0  -1 02.02

4XT 76 8 70 150  351/22                73.191E11 11  .54  -65.1  52.89105          1103.95  2763.44  REC     2. LENGTH   300
  1621.28   -328.45   2463.04   -315.83   3594.79    -71.97   6762.59     50.75  12379.84    -14.14
 21 11.60     64.97  46200.21    103.12 117849.76     82.95 188206.40    -46.86 217751.42   -512.25

4XT 77 8 70 150  351/50                99.926E11 14  .54  -65.2  53.98104          2022.46  2790.70  REC     3. LENGTH   360
  2347.57   -439.63   2883.1   - 02.18   3821.66     78.21   5305. 7    -47.50   7695.43    129.28
 13164.57    161.57  23259.32    71.70  40375.94     88.01  94852.05     14.68 151528.58     83.28
214263.01    -89.33 254951.99   -273.92 278283.13  -1428.83

4XT 7  8 70 150  353/14                114.049E11  9  .53  -65.2  57.22101          2397.01  2870.03  REC     4. LENGTH   260
  4355.08   -663.75   8116.76    -45.10  17358.23     41.45  32824.05    140.31 102234.00     77.08
200370.11     37.79 278634.94    -64.98 316878.51   -648.41

4XT 79 8 70 150  353/42                118.808E11 13  .53  -65.3  58.29100          2241.90  2895.63  REC     5. LENGTH   340
  2509.19   -730.21   3172.99   -321.32   4787.99    307.05   7893.74    -10.41  12631.43     47.81
 21986.29     40.41  36181.49     6 .46   7250 .50     78.   157430.68     32.50 243167.98     37.50
280841.40   -309.39 310189.71   -717.03
```

first 5

D-42015
3/20/69 - 5/30/80

```
$JOB  21:02:18
$ASS IN MT4
$NOP ***LIST OF X448****
$EXE TPLIST BS

INPUT PARAMETERS ARE:  ED SR=1=5

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH    80
          ISIS I N(H) PROFILES - VOLUME 6

***** ERROR CONDITION  A004 ON RECORD  0002 ON TAPE   1          IN FILE  1

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   140
4XT 74 8 69  79 2247/43  3              7.435E11  3 .963  -56.3  51.31 98        21619.48   1090.9
8  29261.84   -371.92  42263.34     65.43

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   160
4XT 73 8 69  79 2248/12  3             27.333E11  4 .943  -56.4  49.61 99        21155.94   1120.5
9  29298.13   -523.88  59385.98    212.76 105053.84    -32.01

 TAPE NO.   1              FILE NO.   1
 RECORD   5                LENGTH   160
4XT 72 8 69  79 2243/40  3             18.561E11  4 .924  -56.4  47.99 99        17562.26   1149.7
0  24455.32   -480.88  42682.06    217.68  73237.49    -61.07

***** JOB DONE.
$AVF IN
DATA IGNORED
$NOP
$NOP
$NOP ***LAST RECORDS OF X448*****
$BKR 5
NO $JOB COMMAND
```

PRINTED IN U.S.A.

```
$JOB  21:04:48
$ASS IN MT4                    Last five Records
$BKR IN 5
$EXE TPLIST HS

INPUT PARAMETERS ARE:  ED SR=1=5

 TAPE NO.   1              FILE NO.   1
 RECORD   1                LENGTH   280
4XT 79 6 80 151  240/10  2              180.494E11 10 .470  -85.9  56.55 92          2210.32   3289.1
3   4577.37   -872.80  10094.06     161.64  23355.88     38.53  56957.08     57.72 124419.95     96.
39 228126.94     16.44 333564.92     11.56 469903.71    -74.73 523834.30   -525.27

 TAPE NO.   1              FILE NO.   1
 RECORD   2                LENGTH   300
4XT 79 6 80 151  240/30  1              168.508E11 11 .473  -85.9  57.25 91          1958.53   3277.7
9   4346.84   -743.18   8861.32     14.71  20241.46     87.14  37644.93     63.97  84996.43     64.
73 127070.70     87.05 213446.56     57.22 293103.68     34.44 400241.33   -141.30 476928.56   -411
.56

 TAPE NO.   1              FILE NO.   1
 RECORD   3                LENGTH   260
4XT 79 6 80 151  240/49  2              166.064E11  9 .476  -85.9  57.92 91          2024.90   3266.8
0   4923.25   -719.52  12369.57      7.96  28233.91     95.92  83565.20     66.34 171751.31     86.
34 288838.86     37.68 397218.17    -84.65 478289.37   -248.90

 TAPE NO.   1              FILE NO.   1
 RECORD   4                LENGTH   260
4XT 80 6 80 151  241/ 8  3              143.183E11  9 .479  -86.0  58.59 90          2346.72   3255.5
7   4958.74   -792.64  10933.14     60.48  21362.37     83.91  39798.67     41.67  83862.67     88.
19 187093.39     75.99 308311.83     28.63 413584.17    -28.44

***** JOB DONE.
$WEO LPS
```

PRINTED IN U.S.A.

ISIS 2

CRC N(h) RAW PROFILES

71-024A-01F

This data set has been restored. There were originally seven 9-track, 800 BPI tapes written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 6250 BPI. The original tapes were created on a 360 computer. The DR, DS and DD numbers along with the time spans are as follows:

DR #	DS #	DD #	FILES	TIME SPAN	
DR02936	DS02936	D-13732	1	04/08/71 - 10/13/72	VOL. 1
		D-16584	2	04/16/71 - 06/09/73	VOL. 2
		D-16879	3	04/09/71 - 03/23/74	VOL. 3
		D-23755	4	04/13/71 - 07/30/75	VOL. 4
		D-30687	5	09/22/71 - 01/25/77	VOL. 5
		D-33661	6	09/22/71 - 07/27/78	VOL. 6
		D-40931	7	10/09/71 - 08/26/79	VOL. 7

SAMPLE OF DATA SUPPLIED BY EXP.

DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE
OTTAWA, CANADA

ISIS II REAL HEIGHT PROFILES
(EL/CC X 10-4, KM)

	YR	DAY	GMT	LONG	LAT	CHI	DIP	FH	Q		TOTALN	P				
4XT	71	283	219/ 5	-130.1	84.66	96	88	.925	6		.471E13	12				
	.31	1386.		.47	1252.	.70	1117.		1.04	986.	1.59	867.	3.27	696.	8.18	522.
	12.45	456.		16.12	412.	19.32	374.		21.20	351.	22.25	330.				
4XT	71	283	219/20	-126.8	85.40	97	88	.925	6		.657E13	13				
	.34	1387.		.45	1281.	.73	1113.		1.17	959.	1.87	832.	4.79	633.	10.31	502.
	14.94	446.		18.71	412.	22.26	385.		24.61	370.	30.67	328.	33.65	294.		
4XT	71	283	220/ 3	-107.1	87.32	98	88	.922	6		.275E13	10				
	.22	1388.		.34	1258.	.54	1105.		.90	941.	1.46	800.	2.96	630.	6.80	468.
	10.36	401.		12.18	375.	13.89	350.									
4XT	71	283	220/17	-93.9	87.80	98	88	.921	7		.258E13	11				
	.18	1388.		.30	1208.	.48	1042.		.87	840.	1.43	709.	2.44	598.	4.63	477.
	7.03	402.		9.04	344.	10.18	302.		10.53	279.						
4XT	71	283	220/58	-33.2	87.93	99	87	.917	5		.417E13	11				
	.22	1390.		.35	1243.	.70	1030.		1.25	857.	1.97	737.	5.37	522.	11.21	400.
	15.34	347.		18.31	309.	19.29	292.		19.63	282.						
4XT	71	283	221/15	-15.4	87.39	99	87	.915	6		.310E13	10				
	.25	1390.		.44	1218.	.74	1038.		1.14	900.	1.81	777.	3.98	597.	7.13	488.
	10.67	417.		13.07	381.	15.16	350.									
4XT	71	283	221/57	4.9	85.54	100	86	.911	6		.427E13	8				
	.30	1391.		.99	1002.	1.73	804.		4.19	526.	8.21	381.	12.16	309.	16.26	259.
	19.08	226.														
4XT	71	283	222/10	8.0	84.90	100	86	.909	6		.137E13	9				
	.41	1392.		.78	1074.	1.14	851.		1.39	702.	1.64	612.	1.97	568.	2.84	475.
	3.69	408.		3.97	376.											
4XT	71	283	222/53	14.3	82.74	101	84	.903	7		.297E13	10				
	.31	1393.		.52	1198.	.82	1020.		1.19	875.	1.74	748.	3.23	588.	6.52	431.

```
      9.58  347.     10.95  311.     11.45  290.

4XT 71 283  223/ 8   15.7  81.57  101   84  .901  6          .251E13  10
      .29 1393.       .38 1249.       .51 1103.      .86  923.     1.41  780.     2.13  679.     4.26  524.
     6.32  434.      8.05  372.      9.86  315.

4XT 71 283  223/49   18.3  79.85  102   83  .895  6          .194E13  11
      .15 1394.       .21 1257.       .28 1146.      .55  954.      .96  819.     1.55  706.     2.30  617.
     4.47  464.     5.58  409.      6.65  354.     7.07  316.

4XT 71 283  224/ 3   19.0  79.13  102   83  .893  6          .153E13   8
      .16 1395.       .28 1236.       .55 1024.     1.01  834.     1.66  701.     2.84  576.     4.50  480.
     6.78  400.

4XT 71 283  224/47   20.5  76.83  103   81  .885  6          .169E13  11
      .06 1396.       .08 1335.       .18 1169.      .44  959.      .88  791.     1.60  666.     2.84  556.
     4.87  456.     6.50  395.      7.28  361.     7.49  345.

4XT 71 283  225/ 0   20.9  76.15  103   81  .883  6          .208E13  10
      .12 1396.       .20 1253.       .39 1055.      .70  897.     1.41  746.     2.34  643.     4.87  502.
     7.20  427.     8.47  391.      9.47  356.

4XT 71 283  225/43   21.8  73.90  104   80  .875  7          .137E13   8
      .11 1398.       .14 1319.       .35 1068.      .68  895.     1.39  728.     2.69  598.     4.90  490.
     6.90  429.

4XT 71 283  225/56   22.0  73.22  105   79  .872  6          .241E13   8
      .14 1398.       .28 1237.       .63 1023.     1.09  871.     1.81  743.     4.60  542.     7.85  435.
    10.57  363.

4XT 71 283  226/39   22.6  70.97  105   78  .863  6          .094E13   9
      .07 1399.       .13 1268.       .24 1131.      .50  937.     1.13  753.     1.85  656.     2.69  586.
     3.44  538.     4.44  480.

4XT 71 283  226/53   22.8  70.23  106   78  .860  6          .150E13   8
      .07 1399.       .16 1142.       .53  847.     1.22  691.     2.65  552.     4.53  448.     5.96  389.
     6.94  346.

4XT 71 283  227/35   23.1  68.02  106   77  .851  7          .053E13   7
      .02 1400.       .05 1256.       .28  887.      .70  717.     1.37  602.     1.88  550.     2.97  477.

4XT 71 283  227/49   23.3  67.29  106   76  .848  7          .084E13   8
      .02 1401.       .05 1235.       .28  875.      .69  708.     1.44  586.     2.25  511.     3.30  443.
     4.51  381.
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DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE
OTTAWA, CANADA

ISIS II REAL HEIGHT PROFILES
(EL/CF X 10**4, KM)

	YR	DAY	GMT	LONG	LAT	CHI	DIP	FH	Q		TOTALN	P				
4XT	71	283	228/32	23.5	65.03	107	75	.837	7		.101E13	8				
		.03	1402.	.07	1211.	.35	863.		.81	691.	1.60	562.	3.04	452.	3.91	405.
		4.99	348.													
4XT	71	283	228/46	23.6	64.29	107	74	.834	7		.036E13	6				
		.02	1402.	.05	1224.	.27	870.		.70	691.	1.30	582.	1.90	518.		
4XT	71	283	229/28	23.8	62.08	108	73	.823	7		.098E13	8				
		.04	1403.	.11	1145.	.39	824.		.88	654.	1.52	549.	2.29	478.	3.87	392.
		5.22	338.													
4XT	71	283	229/43	23.8	61.29	108	73	.819	8		.059E13	7				
		.05	1403.	.10	1218.	.19	1052.		.52	800.	.97	660.	1.61	553.	2.75	451.
4XT	71	283	230/25	23.9	59.08	109	71	.808	6		.071E13	9				
		.06	1404.	.08	1266.	.14	1097.		.40	794.	.87	615.	1.39	521.	1.90	462.
		2.46	412.	3.32	352.											
4XT	71	283	230/40	24.0	58.29	109	71	.804	8		.036E13	6				
		.09	1404.	.13	1270.	.23	1071.		.40	883.	.81	703.	1.43	580.		
4XT	71	283	231/22	24.0	56.08	110	69	.792	8		.070E13	6				
		.19	1405.	.34	1132.	.53	912.		1.02	681.	1.62	591.	3.03	490.		
4XT	71	283	231/36	24.0	55.34	110	69	.788	8		.049E13	5				
		.19	1405.	.36	1138.	.56	923.		.93	717.	1.67	586.				
4XT	71	283	232/18	24.1	53.13	110	67	.775	8		.095E13	6				
		.38	1406.	.55	1146.	.74	949.		1.20	732.	1.88	632.	3.59	508.		
4XT	71	283	232/33	24.1	52.34	111	66	.770	9		.083E13	5				
		.41	1406.	.53	1233.	.87	920.		1.50	689.	2.55	564.				
4XT	71	283	233/15	24.1	50.13	111	64	.757	7		.086E13	7				

```
      •16 1407•      •28 1143•      •48  893•      .94  678•     1•60  576•     2•25  521•     4.58  427•

4XT 71 283  233/29  24•1  49•39  111   64  •752  8                •063E13   6
      •17 1407•      •25 1207•      •44  893•      .87  653•     1•60  539•     2•75  454•

4XT 71 356  439/10  100•8  79•27  103   84  •912  6                •178E13  10
      •01 1424•      •07 1111•      •25  878•      .63  722•     1•14  634•     2•30  535•     5.28  429•
     8•08  372•     9•78  332•    10•54  304•

4XT 71 356  439/32  101•9  80•40  104   85  •912  7                •123E13   8
      •01 1424•      •06 1170•      •30  889•      .78  727•     1•43  633•     2•33  563•     5.12  458•
     8•68  392•

4XT 71 356  439/45  102•6  81•07  105   85  •912  7                •312E13  10
      •09 1423•      •13 1243•      •55  850•     1.22  732•     2•40  626•     5•85  492•    10.61  405•
    14•96  359•    17•19  332•    18•30  311•

4XT 71 356  440/ 0  103•7  81•83  105   85  •912  6                •337E13  13
      •08 1423•      •12 1331•      •21 1196•      .57  980•     1•01  870•     1•52  783•     1.98  722•
     3•20  606•     5•77  490•    10•28  410•    15.40  362•    18•82  336•    21•38  315•

4XT 71 356  440/15  105•0  82•60  106   86  •912  6                •448E13  15
      •09 1423•      •12 1360•      •15 1294•      .25 1173•      •55 1016•      •90  919•     1.35  827•
     2•11  708•     3•85  554•     7•04  446•    12.99  373•    17•72  334•    21•71  308•    23.73  295•
    28•05  264•

4XT 71 356  440/29  106•5  83•31  107   86  •912  6                •340E13  12
      •09 1422•      •11 1380•      •23 1247•      .48 1104•      •91  948•     1•42  811•     1.85  719•
     3•52  543•     7•88  402•    13•32  343•    17.24  316•    21•90  286•

4XT 71 356  440/43  108•4  84•01  107   86  •912  7                •341E13  11
      •08 1422•      •15 1313•      •25 1210•      .48 1062•     1•00  870•     1•57  735•     2.85  576•
     6•49  421•    11•19  344•    17•28  291•    21.33  265•

4XT 71 356  440/57  110•8  84•70  108   86  •912  6                •395E13   9
      •18 1422•      •48 1241•      •97 1049•     1.52  882•     2•35  735•     5•81  509•    11.76  390•
    17•16  339•    21•59  311•

4XT 71 356  441/12  114•1  85•43  109   86  •912  7                •395E13   9
      •33 1421•      •72 1159•     1•04 1000•     1.34  886•     2•06  742•     5•15  535•    10.19  418•
    16•55  348•    21•60  311•

4XT 71 356  441/26  118•4  86•09  110   87  •912  6                •537E13  11
      •33 1421•      •53 1250•      •82 1080•     1.11  960•     1•78  814•     4•89  591•    10.10  474•
    16•97  397•    22•14  349•    23•87  335•    27.18  298•
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DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE
OTTAWA, CANADA

ISIS II REAL HEIGHT PROFILES
(EL/CC X 10=4, KM)

	YR DAY	GMT	LONG	LAT	CHI	DIP	FH	Q		TOTALN	P				
4XT	71 356	441/40	124•3	86•72	110	87	•912	6		•511E13	12				
	•35 1420•		•53 1248•		•93 1020•			1•50	858•	2•99	669•	6•77	508•	11•28	438•
	16•28 392•		21•94 356•		24•08 343•			27•83	319•	30•34	299•				
4XT	71 356	441/54	133•0	87•30	111	87	•912	6		•536E13	12				
	•10 1420•		•13 1354•		•20 1214•			•53	984•	1•24	814•	2•83	660•	8•13	495•
	14•64 407•		21•60 352•		23•75 341•			28•29	315•	31•89	283•				
4XT	71 356	442/ 8	145•9	87•78	112	87	•912	7		•312E13	9				
	•04 1420•		•11 1219•		•54 922•			1•27	763•	3•31	599•	7•80	472•	12•97	413•
	18•08 374•		21•98 346•												
4XT	71 356	442/22	164•4	88•10	112	88	•912	7		•189E13	9				
	•01 1419•		•05 1131•		•26 842•			•76	690•	1•40	604•	3•78	480•	7•00	412•
	9•73 370•		13•06 315•												
4XT	71 356	442/37	-171•5	88•15	113	88	•913	8		•249E13	9				
	•01 1419•		•05 1177•		•34 843•			•86	697•	1•75	597•	5•52	455•	10•86	390•
	18•56 343•		21•89 321•												
4XT	71 356	442/51	-151•2	87•92	114	88	•913	8		•391E13	11				
	•01 1418•		•08 1135•		•43 870•			1•02	722•	1•88	622•	5•40	474•	10•04	391•
	17•20 319•		21•50 293•		23•70 284•			28•03	257•						
4XT	71 356	443/ 5	-136•4	87•48	114	88	•913	6		•457E13	11				
	•06 1418•		•09 1338•		•17 1191•			•70	893•	1•55	738•	4•22	574•	10•26	456•
	16•21 401•		22•20 351•		24•21 334•			27•16	302•						
4XT	71 356	443/19	-126•5	86•93	115	88	•913	7		•302E13	9				
	•01 1417•		•08 1179•		•28 987•			•92	776•	1•80	658•	4•83	518•	8•45	449•
	14•78 379•		21•93 327•												
4XT	71 356	443/33	-119•7	86•31	116	89	•914	6		•439E13	12				
	•01 1417•		•07 1185•		•26 1002•			•78	813•	1•45	712•	2•73	620•	6•32	505•

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    11•32  432•     16•57  387•     22•04  348•     24.24  333•     28•58  293•

4XT 71 356  443/47 -115•0  85•66  117   89  •914  7                •345E13   9
      •07 1416•       •11 1317•       •20 1191•       .66  921•     1•41  777•     4•19  594•    11•32  451•
    18•12  385•     21•73  357•

4XT 71 356  444/ 2 -111•3  84•94  117   89  •914  6                •538E13  13
      •07 1416•       •10 1346•       •19 1194•       .61  937•     1•22  825•     2•11  746•     4•51  629•
     7•80  546•     12•34  479•     16•36  438•     22.20  391•     23•95  377•    29•71  316•

4XT 71 356  444/16 -108•7  84•25  118   89  •915  6                •528E13  14
      •08 1415•       •12 1334•       •17 1245•       .49 1005•     1•01  869•     1•60  792•     2•83  702•
     6•04  586•     10•04  510•     14•80  456•     18.44  425•     24•97  375•    27•92  352•    30•81  326•

4XT 71 356  444/30 -106•7  83•55  119   89  •915  6                •510E13  14
      •09 1415•       •13 1326•       •18 1242•       .53  983•     1•22  833•     2•01  747•     5•09  600•
     9•46  514•     13•97  458•     18•03  421•     22.01  392•     24•46  374•    28•04  348•    30•16  326•

4XT 71 356  444/45 -105•0  82•79  119   89  •916  6                •528E13  14
      •08 1414•       •12 1321•       •17 1238•       .47 1007•     1•13  844•     1•96  749•     4•44  624•
     8•00  540•     12•12  482•     16•56  440•     21.93  402•     24•50  385•    29•31  349•    31•45  326•

4XT 71 356  444/59 -103•7  82•08  120   90  •917  6                •499E13  14
      •03 1414•       •11 1232•       •44  982•       .83  870•     1•29  802•     1•81  751•     3.54  645•
     6•49  547•     10•67  469•     15•16  418•     21.91  367•     24•59  352•    28•80  326•    30•93  306•

4XT 71 356  445/13 -102•6  81•36  121   90  •917  6                •437E13  12
      •01 1413•       •09 1168•       •43  944•      1.01  809•     1•77  727•     4•17  605•     8•16  509•
    13•37  440•     16•90  406•     21•84  364•     24.18  340•     25•53  319•

4XT 71 356  445/27 -101•7  80•64  121   89  •918  6                •366E13  10
      •07 1413•       •12 1293•       •20 1171•       .69  892•     1•38  768•     2•58  664•     5•68  548•
    10•63  456•     16•39  388•     21•61  334•

4XT 71 356  445/42 -100•9  79•87  122   89  •918  6                •441E13  11
      •10 1412•       •15 1308•       •23 1192•       .73  920•     1•43  795•     2•57  693•     5•52  573•
     9•79  485•     15•11  418•     21•62  354•     24.22  322•

4XT 71 356  445/56 -100•2  79•15  123   89  •919  6                •350E13  11
      •06 1412•       •14 1255•       •22 1154•       .67  925•     1•35  801•     2•31  712•     5•70  563•
     9•92  473•     15•10  409•     19•14  371•     21.17  355•

4XT 71 356  446/10  -99•7  78•42  124   89  •920  6                •339E13  11
      •07 1411•       •13 1289•       •21 1183•       .64  935•     1•15  824•     1•76  746•     4•09  604•
     8•41  490•     13•39  416•     16•16  383•     19.10  348•
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DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE

ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	98	2227	1804	68.2	-65.7	84	83	2243	1820	17.1	-65.7	48	92	1
71	99	20	1802	70.4	-94.6	84	83	35	1819	22.5	-94.0	52	91	3
71	99	207	932	87.5	111.2	87	80	217	1809	59.8	-121.9	78	84	3
71	99	401	1104	88.1	105.7	87	81	416	1815	42.8	-150.3	61	87	3
71	99	555	1309	88.1	108.5	87	81	607	1812	51.3	-178.8	64	85	3
71	99	925	626	35.2	-44.8	60	81	933	634	60.6	-44.9	77	80	3
71	99	1113	622	17.2	-72.6	49	83	1130	642	71.2	-72.1	85	80	3
71	99	1311	624	30.9	-101.7	60	82	1321	634	62.7	-101.7	83	80	3
71	99	1508	626	41.5	-130.5	64	81	1523	1047	88.0	-69.0	88	80	3
71	99	1702	626	42.5	-159.0	59	81	1716	827	86.5	-132.1	88	80	3
71	99	2111	1800	68.5	-47.8	81	82	2121	1813	36.6	-47.0	62	87	3
71	99	2305	1800	67.5	-76.2	85	82	2319	1815	22.8	-76.0	55	89	3
71	100	57	1754	72.8	-105.8	87	82	105	1810	47.3	-103.9	73	85	3
71	100	245	1031	87.9	116.5	87	80	259	1810	46.3	-132.4	67	85	3
71	100	439	1232	88.2	118.3	87	80	453	1809	45.2	-160.9	61	85	3
71	100	1000	620	26.4	-55.1	55	83	1012	631	64.6	-55.2	80	80	3
71	100	1151	618	17.9	-83.3	49	84	1206	632	65.6	-83.6	84	80	3
71	100	1546	621	42.3	-141.1	69	81	1600	814	86.3	-116.4	89	80	3
71	100	1740	621	43.3	-169.7	58	81	1754	856	87.2	-134.5	88	80	3
71	100	2149	1756	67.7	-58.3	89	82	2202	1810	26.2	-58.0	56	88	3
71	100	2341	1749	73.0	-88.0	87	81	2356	1810	25.2	-86.6	56	88	3
71	101	323	1154	88.2	127.9	87	80	337	1805	45.5	-143.0	64	84	3
71	101	1035	613	17.7	-65.4	49	85	1050	627	65.3	-65.7	82	80	3
71	101	1231	614	25.1	-94.2	55	84	1244	628	66.4	-94.1	85	80	3
71	101	1623	616	39.8	-151.7	58	82	1638	839	87.0	-119.9	88	80	3
71	101	2226	1749	70.1	-69.4	85	81	2240	1805	25.4	-68.7	57	87	3
71	102	20	1749	69.1	-97.7	84	81	32	1804	30.8	-97.0	61	86	3
71	102	401	1323	88.1	140.5	87	79	415	1801	44.7	-153.6	62	83	3
71	102	924	612	33.3	-48.1	59	84	933	621	61.9	-48.1	78	80	3
71	102	1113	609	18.4	-76.0	50	86	1128	623	66.1	-76.3	84	80	3
71	102	1314	613	41.7	-105.3	69	82	1320	619	60.8	-105.2	81	80	3
71	102	1508	612	42.7	-133.9	64	82	1521	715	83.9	-121.5	89	79	3
71	102	2112	1749	64.0	-50.6	80	80	2121	1759	35.3	-50.4	61	84	3
71	102	2304	1745	69.4	-79.8	84	80	2318	1801	24.7	-79.3	57	86	3
71	103	439	1432	87.7	148.3	87	79	452	1755	47.1	-164.2	62	82	3

71	103	1545	607	40.3	-144.4	60	83	1613	1752	50.4	24.8	65	81	3
71	103	1752	657	82.5	-163.7	84	79	1804	1748	59.0	-3.9	72	80	3
71	104	310	607	49.7	44.4	65	82	323	1406	87.8	160.6	87	79	3
71	104	504	607	50.8	15.9	65	82	517	1518	87.2	150.2	87	79	4
71	104	1035	600	18.9	-68.8	50	88	1050	614	66.6	-68.9	83	80	3
71	104	1230	600	23.1	-97.5	53	87	1245	618	70.8	-96.7	87	80	3
71	104	1636	651	82.3	-146.3	87	79	1647	1742	62.4	13.8	73	79	4
71	104	2034	1741	63.5	-43.3	78	79	2041	1749	41.2	-43.0	64	81	3
71	104	2225	1732	72.0	-73.1	84	78	2241	1752	21.0	-72.2	53	84	3
71	105	20	1737	67.7	-100.8	85	79	31	1750	32.6	-100.2	62	82	3
71	105	923	558	31.5	-51.4	58	86	933	608	63.3	-51.4	79	81	3
71	105	1112	555	16.6	-79.3	48	89	1128	610	67.5	-79.4	85	80	3
71	105	2111	1734	65.8	-54.1	81	78	2122	1746	30.7	-53.9	59	81	3
71	106	48	637	81.0	87.2	85	79	100	1737	60.6	-110.7	80	78	3
71	106	958	551	22.7	-61.6	53	89	1011	603	64.0	-61.9	81	81	3

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	106	1153	552	26.9	-90.3	58	88	1205	604	65.1	-90.3	84	81	3
71	106	1355	557	53.4	-119.4	75	83	1406	907	87.6	-74.8	88	78	3
71	106	1545	554	41.7	-147.8	61	85	1559	733	85.9	-126.6	88	78	2
71	106	1746	603	65.0	-175.8	74	81	1756	1647	82.9	-17.1	85	77	3
71	106	2332	631	80.7	104.8	85	79	2357	1743	19.3	-93.5	49	82	3
71	107	126	636	81.7	77.6	85	78	138	1733	59.8	-121.3	78	77	3
71	107	847	550	38.3	-44.3	62	86	854	557	60.6	-44.3	77	81	3
71	107	1046	554	55.3	-73.0	79	83	1050	602	68.0	-72.1	84	80	3
71	107	1232	548	30.8	-101.1	60	88	1249	704	84.7	-86.3	89	78	3
71	107	2021	612	76.3	147.8	82	79	2042	1736	36.6	-46.4	61	78	3
71	107	2216	625	80.5	122.4	85	78	2242	1739	16.4	-75.7	48	82	3
71	108	10	631	81.5	95.1	85	78	30	1736	34.5	-103.5	63	79	3
71	108	921	543	26.3	-54.5	55	89	933	555	64.5	-54.6	80	81	1
71	108	1112	541	17.8	-82.7	49	92	1127	555	65.6	-83.0	84	81	1
71	108	1315	547	47.5	-112.1	72	85	1327	712	85.4	-93.7	89	78	2
71	108	1507	545	42.2	-140.5	62	86	1521	738	86.3	-115.8	89	78	2
71	108	1701	545	43.2	-169.1	58	86	1715	820	87.2	-133.8	88	77	2
71	108	1904	601	72.9	164.3	80	80	1918	1723	62.4	-28.7	76	76	3
71	108	2059	609	77.1	137.5	83	79	2122	1733	29.4	-57.3	58	78	3
71	108	2254	625	81.2	112.7	85	78	2317	1733	25.2	-86.0	57	79	3
71	109	48	631	82.2	85.7	85	78	100	1724	59.3	-114.0	79	76	3
71	109	957	537	20.7	-64.9	52	92	1007	544	52.6	-65.7	76	84	3
71	109	1152	538	24.9	-93.6	55	91	1214	1615	84.6	60.2	86	76	3
71	109	1747	553	69.5	-178.6	77	80	1759	1710	72.2	-12.2	80	75	3
71	109	2137	607	77.8	127.4	84	79	2149	1717	63.8	-67.9	82	75	3
71	109	2156	1726	41.4	-67.5	70	76	2203	1730	19.1	-68.3	50	79	3
71	109	2332	625	82.0	103.2	85	78	2343	1718	62.7	-96.3	83	75	3
71	109	2344	1719	59.5	-96.1	81	75	2353	1728	30.8	-96.4	61	77	4
71	110	125	613	79.9	72.0	84	78	139	1721	55.3	-124.5	75	75	3
71	110	845	535	33.2	-47.5	59	89	854	544	61.9	-47.5	78	82	3
71	110	1040	535	37.4	-76.1	68	88	1050	549	69.3	-75.2	85	80	3
71	110	1237	538	48.0	-104.8	73	85	1252	1620	83.9	52.0	85	76	3
71	110	1629	543	62.8	-161.5	74	82	1639	1604	84.9	-8.7	86	76	3
71	110	2031	1707	70.4	-50.9	82	74	2044	1724	28.9	-50.0	56	76	3
71	110	2215	604	78.6	117.3	84	78	2240	1725	21.5	-78.8	53	77	3

71	111	919	528	21.2	-57.7	51	93	933	542	65.8	-57.8	81	81	1
71	111	1120	532	44.6	-86.9	73	87	1136	1612	84.1	69.1	86	75	3
71	111	1317	535	55.2	-115.4	76	84	1329	1532	86.1	30.8	86	76	3
71	111	2059	559	78.3	135.0	84	78	2123	1720	25.0	-60.8	55	76	3
71	111	2302	1701	71.7	-90.3	87	74	2316	1719	27.1	-89.2	58	75	3
71	112	954	522	12.4	-67.9	43	97	1150	523	19.8	-96.7	49	95	1
71	112	2341	1700	67.8	-100.2	85	73	2352	1713	32.7	-99.6	62	73	3
71	113	741	1718	-12.8	144.3	-40	83	827	513	-22.9	-48.4	-21	106	1
71	113	844	521	31.3	-50.8	58	92	854	531	63.1	-50.8	79	82	3
71	113	1035	519	22.7	-78.9	55	95	1049	534	67.4	-78.8	85	81	3
71	113	2031	1655	69.1	-54.0	82	72	2043	1710	30.9	-53.3	59	73	3
71	113	2224	1652	71.2	-82.9	84	72	2238	1710	26.6	-82.0	58	73	3
71	114	1113	515	23.5	-89.6	54	95	1126	527	65.0	-89.7	84	82	3
71	114	2108	1648	71.5	-65.1	85	72	2122	1706	26.9	-64.1	58	72	3
71	114	2302	1648	70.5	-93.4	87	72	2315	1705	29.1	-92.5	60	72	3

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
71	115	418	512	29.7	13.6	41	94	426	519	55.2	13.2	68	85	2
71	115	426	519	55.2	13.2	68	85	450	1700	48.3	-177.5	61	70	1
71	116	1004	437	-74.0	-81.8	-69	109	1057	1528	85.4	67.7	86	74	2
71	117	2253	547	81.9	103.6	85	77	2314	1651	31.0	-95.8	61	68	2
71	118	925	422	-76.6	-75.6	-70	109	1011	513	69.2	-74.6	85	81	1
71	118	1350	459	42.5	-132.7	64	91	1417	1643	51.3	36.6	66	67	1
71	120	1539	1639	30.6	14.9	42	65	1550	1644	-4.4	13.4	-27	73	1
71	121	806	445	34.4	-50.3	61	96	814	453	60.0	-50.3	78	85	1
71	123	1745	1630	-9.8	-18.7	-23	72	1817	409	-69.9	147.9	-88	114	1
71	125	808	348	-77.6	-65.0	-70	113	838	424	17.3	-63.6	48	107	1
71	125	1652	1614	37.4	-9.4	53	59	1707	1621	-10.2	-11.5	-28	70	1
71	126	846	345	-76.9	-75.2	-70	114	917	420	21.3	-74.3	53	106	1
71	126	918	420	24.5	-74.5	56	104	932	436	69.2	-74.0	85	82	3
71	127	158	405	-49.0	31.8	-65	121	212	413	-4.5	30.2	-29	117	1
71	127	803	416	27.4	-56.7	56	104	815	429	65.8	-56.6	81	84	1
71	127	925	348	-73.0	-84.2	-69	115	955	415	22.1	-85.0	53	106	1
71	128	808	337	-76.4	-67.7	-69	115	853	425	66.5	-67.1	83	83	1
71	128	1710	1609	-20.8	-15.3	-40	72	1740	350	-65.1	152.5	-86	119	1
71	129	726	408	31.1	-49.5	58	103	734	415	56.7	-49.9	76	89	1
71	129	846	334	-75.7	-77.9	-70	115	917	406	22.6	-77.7	54	108	1
71	129	1959	1630	-75.8	-52.2	-68	102	2015	351	-54.0	114.0	-81	123	1
71	130	403	358	-11.8	-1.3	-36	122	417	404	33.0	-3.2	47	103	1
71	130	1645	1611	-62.0	-8.5	-63	94	1701	339	-67.8	159.5	-86	119	1
71	130	1839	1611	-63.0	-37.0	-61	94	1854	336	-69.9	130.6	-88	119	1
71	131	125	818	88.0	103.2	87	71	140	1548	43.2	-147.9	62	54	1
71	131	808	326	-75.3	-70.5	-69	117	838	357	19.9	-70.3	52	111	1
71	132	846	323	-74.5	-80.8	-69	117	904	347	-17.8	-79.3	-9	126	1
71	133	730	318	-74.7	-63.0	-68	118	758	347	14.1	-62.8	44	115	1
71	134	808	315	-74.0	-73.3	-68	119	838	343	21.3	-73.7	53	112	1
71	136	730	306	-73.5	-65.9	-67	120	813	346	63.4	-66.8	82	87	1
71	136	955	334	26.1	-95.1	56	111	1004	341	54.9	-95.7	79	92	1
71	136	1827	1533	-27.9	-43.5	-30	70	1840	1548	-68.6	-43.0	-64	97	4
71	136	1843	1604	-77.9	-39.9	-70	103	1856	316	-61.1	124.9	-86	126	2
71	137	647	331	31.2	-48.9	57	108	655	338	56.8	-49.3	76	91	1
71	137	807	257	-75.9	-77.4	-70	119	851	342	64.2	-77.4	83	86	1

71	137	1457	1520	36.6	5.7	51	47	1511	1526	-7.7	3.8	-31	58	1
71	138	325	322	-8.6	-.8	-31	130	338	328	33.1	-2.6	47	108	1
71	138	723	326	25.6	-59.3	55	113	735	337	63.9	-59.5	81	87	1
71	138	915	324	20.2	-87.6	51	116	929	337	64.9	-87.9	84	86	1
71	138	1750	1525	-31.5	-36.3	-38	71	1803	1543	-72.1	-35.0	-66	99	4
71	140	646	317	29.3	-52.2	57	112	654	323	54.9	-52.6	75	94	1
71	140	807	246	-74.7	-80.3	-69	121	851	329	65.4	-80.6	84	86	1
71	140	1713	1516	-35.0	-29.2	-45	72	1723	1528	-66.3	-28.8	-63	95	4
71	140	1725	1534	-72.6	-27.6	-67	99	1740	258	-60.2	139.5	-85	129	2
71	141	457	239	-76.0	-34.4	-68	121	509	303	-38.2	-31.5	-47	137	1
71	141	651	241	-75.0	-62.5	-68	121	652	246	-71.9	-61.5	-66	123	1
71	141	702	302	-40.3	-59.9	-41	136	735	324	65.2	-62.7	82	86	1
71	141	845	243	-74.0	-90.6	-70	122	935	433	84.9	-75.5	88	72	1
71	141	1749	1511	-29.5	-39.6	-34	68	1801	1524	-67.1	-39.3	-63	95	1
71	141	1804	1537	-76.4	-36.8	-69	102	1815	247	-68.9	128.1	-88	125	2

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	141	1928	1504	16.8	-66.0	48	44	1952	1518	-58.7	-68.5	-57	89	1
71	142	729	238	-74.3	-72.8	-68	122	813	320	65.9	-73.2	84	86	1
71	142	958	309	38.3	-102.2	66	106	1002	312	51.1	-102.4	76	97	1
71	142	1419	1457	35.0	9.6	49	42	1434	1504	-12.4	7.5	-39	56	1
71	142	1826	1505	-27.0	-50.1	-26	65	1841	1527	-74.0	-48.4	-67	100	1
71	142	2007	1500	12.9	-76.8	43	44	2028	1511	-53.2	-79.2	-54	84	1
71	143	814	250	-51.5	-81.0	-59	135	836	301	18.8	-83.6	50	121	1
71	143	1725	1523	-73.8	-30.6	-67	100	1741	246	-55.8	136.4	-83	133	2
71	143	1920	1531	-77.9	-57.2	-70	103	1936	248	-51.6	107.9	-79	135	2
71	144	651	229	-73.8	-65.4	-68	123	743	1154	87.4	62.8	87	67	1
71	145	210	251	-3.1	10.2	-24	135	222	256	35.4	8.6	49	110	1
71	145	736	241	-51.0	-73.8	-59	137	759	253	22.6	-76.5	54	119	1
71	147	650	212	-75.6	-69.4	-69	123	708	238	-18.5	-67.4	-8	143	1
71	147	1535	1435	32.2	-15.1	48	36	1550	1441	-15.1	-17.2	-32	54	2
71	147	1910	1417	71.1	-73.2	85	53	1926	1436	20.7	-72.6	52	36	2
71	148	728	209	-74.8	-79.7	-69	124	745	233	-20.9	-77.9	-15	144	1
71	148	1648	1511	-78.6	-24.2	-70	104	1701	222	-60.3	140.2	-85	134	2
71	148	1841	1505	-76.5	-54.0	-69	102	1847	121	-84.2	98.4	-79	117	2
71	148	1744	306	76.8	140.4	83	78	1758	1422	58.8	-54.0	78	45	1
71	148	1948	1413	70.4	-83.7	86	53	2004	1431	20.0	-83.2	51	35	1
71	150	426	1429	-10.1	150.7	-35	48	441	1439	-57.3	149.5	-82	86	2
71	150	651	206	-71.2	-71.3	-66	127	710	226	-10.8	-71.1	5	144	1
71	151	730	205	-67.3	-81.3	-65	131	745	220	-19.6	-81.3	-13	147	1
71	151	1646	1446	-73.6	-30.1	-67	99	1702	210	-55.8	137.0	-83	139	2
71	158	1302	1345	32.5	10.7	45	25	1316	1351	-11.7	8.7	-38	44	1
71	163	205	127	-11.0	-9.5	-31	156	219	133	33.8	-11.4	49	119	1
71	165	1338	1312	35.6	-6.5	51	19	1354	1319	-15.0	-8.7	-37	42	1
71	168	505	59	-39.1	-61.5	-39	161	537	119	62.9	-64.4	81	93	3
71	173	1820	126	81.0	106.5	85	75	1830	1222	67.4	-92.0	85	44	2
71	175	1741	106	78.3	111.3	84	78	1807	1228	19.8	-84.8	51	6	1
71	175	1929	43	60.6	78.6	74	96	1939	942	87.3	-149.2	88	64	1
71	175	1929	43	60.6	78.6	74	96	1947	1216	62.9	-112.8	81	39	2
71	175	2119	38	49.1	49.8	64	107	2132	619	88.2	131.9	87	67	1
71	180	1508	37	75.8	142.3	82	81	1531	1204	31.9	-51.9	59	9	2
71	180	1703	49	79.9	116.5	85	77	1728	1205	21.3	-80.8	53	2	1

71	190	600	2327	25.0	-98.1	54	132	622	948	85.5	51.4	86	64	2
71	203	223	2214	-56.9	-62.3	-54	138	310	650	87.7	55.1	87	69	3
71	222	129	2101	19.6	-67.0	51	122	153	743	84.3	87.6	86	72	2
71	224	245	2052	21.1	-88.3	52	120	309	750	82.8	70.2	85	72	2
71	229	1541	2107	80.4	81.6	84	84	1553	810	61.3	-115.7	80	64	2
71	231	113	2013	-27.1	-74.9	-24	124	115	2014	-20.8	-75.2	-14	124	1
71	231	127	2019	17.0	-76.9	48	116	152	711	83.6	79.7	86	75	1
71	236	246	1958	29.2	-102.0	58	108	307	644	83.9	54.3	85	78	2
71	238	1930	119	88.2	87.3	87	82	1943	733	48.7	177.5	61	68	2
71	242	48	1929	18.0	-79.7	49	107	112	553	85.4	70.3	86	81	2
71	245	241	1915	17.2	-111.5	42	105	306	612	83.0	46.4	85	82	2
71	245	1434	655	64.2	-114.7	82	77	1450	709	13.1	-115.4	35	72	2
71	246	1307	1949	80.3	100.5	85	87	1329	702	29.4	-96.8	59	73	2
71	246	1513	653	60.3	-125.1	78	77	1527	704	15.5	-125.9	36	73	2
71	248	252	1909	53.5	-115.8	75	94	306	608	81.8	45.4	84	83	2

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
71	249	128	1858	27.8	-97.4	58	99	140	1911	65.9	-97.3	84	91	2
71	249	1500	1932	79.5	67.9	84	88	1513	640	58.9	-128.3	76	80	2
71	251	2331	1844	18.4	-71.9	50	98	2345	1856	63.0	-72.4	82	91	1
71	252	300	1834	-39.7	-126.4	-54	100	340	2102	86.8	-99.4	88	87	2
71	252	1503	137	88.1	158.5	87	87	1517	631	44.8	-131.6	66	81	2
71	253	208	1841	36.2	-111.6	69	95	227	535	83.0	47.0	85	86	2
71	253	1355	619	64.2	-114.1	82	84	1411	632	13.2	-114.7	36	81	2
71	254	241	1834	21.0	-121.7	45	96	257	1854	72.0	-120.8	84	90	2
71	255	134	1836	49.4	-104.6	74	93	145	1941	84.2	-91.0	89	88	2
71	256	213	1832	53.4	-115.2	75	92	224	2145	87.6	-69.7	88	88	2
71	256	1344	1912	81.8	81.9	85	89	1357	609	56.5	-117.0	77	86	2
71	256	2254	1821	23.4	-68.1	55	94	2307	1834	64.9	-68.3	83	91	1
71	257	241	1821	22.3	-125.1	44	94	302	2253	88.0	-62.3	88	88	2
71	257	1228	1906	81.6	99.4	85	89	1239	601	63.2	-99.5	83	87	2
71	257	1424	2237	88.0	123.3	87	89	1438	608	46.2	-127.6	68	86	2
71	259	202	1811	19.8	-117.7	44	92	218	1830	70.8	-117.1	84	90	2
71	259	1355	553	61.5	-120.6	79	88	1411	605	10.5	-121.5	30	88	2
71	260	241	1807	23.7	-128.5	47	91	301	2032	86.9	-97.4	88	90	2
71	260	1227	1843	79.9	94.1	85	90	1239	548	61.7	-102.7	82	89	2
71	262	1149	1837	80.4	101.9	85	90	1211	549	29.3	-95.6	59	91	2
71	262	1343	1842	81.4	74.6	85	90	1356	541	57.0	-123.7	76	91	2
71	264	123	1748	18.4	-113.7	49	88	148	455	81.6	46.8	84	91	2
71	264	1305	1836	81.9	82.7	85	91	1332	542	11.9	-117.5	33	93	2
71	265	212	1751	54.3	-125.2	74	89	223	2231	88.1	-57.9	88	91	2
71	265	1004	519	70.4	-71.3	85	93	1018	536	25.9	-70.5	58	94	6
71	265	1149	1830	81.7	100.2	85	91	1200	525	63.0	-98.8	83	93	2
71	265	1342	1819	79.6	69.3	84	91	1355	527	58.8	-127.1	77	94	2
71	265	1356	528	55.7	-127.0	75	94	1406	535	23.8	-127.6	47	95	3
71	265	2238	1734	-23.6	-76.0	-19	85	2252	1740	21.1	-78.0	53	86	5
71	266	44	1739	15.7	-106.3	41	86	100	1754	66.8	-106.5	84	90	3
71	266	1237	518	65.4	-109.7	82	94	1253	532	14.6	-110.1	39	96	3
71	267	122	1734	16.5	-117.0	40	85	138	1750	67.6	-117.1	83	90	3
71	269	2135	1721	18.9	-63.4	50	83	2149	1734	63.7	-63.8	81	89	2
71	270	1110	1800	80.4	102.5	85	92	1132	512	29.5	-95.0	60	100	2
71	270	1304	1805	81.4	75.3	85	92	1317	505	57.0	-123.1	76	98	2

71	271	6	1716	17.6	-102.4	45	82	16	1722	49.6	-103.4	75	86	3
71	271	16	1722	49.6	-103.4	75	86	31	418	82.4	56.8	85	95	2
71	271	207	1720	41.0	-131.8	63	85	236	506	46.6	37.4	62	100	2
71	272	54	1718	50.4	-114.0	74	86	108	348	84.7	40.1	85	95	3
71	272	1226	1759	81.9	83.3	85	93	1239	456	56.5	-115.8	77	100	3
71	273	1110	1754	81.8	101.0	85	93	1119	443	69.3	-99.0	86	99	3
71	273	1119	443	69.3	-99.0	84	99	1131	458	31.3	-98.2	61	103	2
71	274	5	1702	15.8	-105.7	42	79	21	1717	67.0	-105.9	84	89	3
71	276	1109	1731	80.0	95.4	85	93	1119	431	68.0	-102.1	85	101	3
71	276	1119	431	68.0	-102.1	85	101	1130	444	33.2	-101.5	62	106	2
71	281	1031	1717	81.8	101.6	85	95	1052	421	31.5	-97.6	61	112	2
71	283	205	1625	40.1	-145.1	60	78	220	1903	87.2	-109.4	88	98	6
71	283	219	1735	84.4	-131.0	88	96	233	409	50.9	24.1	65	111	7
71	283	1149	2204	88.2	153.7	87	98	1202	408	48.9	-118.5	72	112	2
71	284	1030	1654	80.0	96.0	85	95	1057	410	14.4	-101.7	41	116	3

DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE

ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	284	1043	400	58.7	-100.7	81	110	1051	407	33.4	-100.9	62	115	6
71	286	809	347	65.5	-65.4	82	109	822	400	24.5	-65.5	56	118	6
71	289	952	1641	81.9	102.3	86	97	1001	330	69.4	-97.8	86	110	3
71	289	1002	333	66.3	-97.3	85	111	1012	344	34.7	-96.9	64	121	2
71	290	835	1621	78.5	116.6	84	95	904	344	9.8	-80.1	39	122	2
71	290	910	346	-9.2	-80.9	4	118	928	401	-65.7	-81.7	-64	92	2
71	291	729	321	70.0	-62.1	84	111	743	337	25.8	-61.5	56	124	1
71	291	913	1619	79.3	106.6	84	96	936	336	28.0	-89.9	59	124	6
71	292	757	1614	79.0	124.3	84	96	826	335	9.3	-72.8	39	124	2
71	292	807	317	69.2	-72.6	85	112	826	335	9.3	-72.8	39	124	3
71	292	820	332	28.2	-72.0	60	125	826	335	9.3	-72.8	39	124	6
71	292	832	337	-9.6	-73.7	7	120	852	359	-72.5	-73.2	-67	88	6
71	292	832	337	-9.6	-73.7	7	120	852	359	-72.5	-73.2	-67	88	3
71	292	832	337	-9.6	-73.7	7	120	852	359	-72.5	-73.2	-67	88	2
71	292	951	1618	80.0	96.7	85	96	1000	314	71.3	-101.5	86	111	3
71	292	1000	314	71.3	-101.5	84	111	1012	331	33.5	-100.3	63	124	2
71	293	1023	1545	61.9	80.5	75	86	1028	1605	77.7	84.2	84	95	6
71	293	1028	1605	77.7	84.2	84	95	1043	321	54.8	-110.6	77	119	3
71	294	1109	1818	87.3	107.4	87	101	1124	319	44.6	-121.2	68	124	3
71	295	204	1530	42.4	-158.5	59	74	233	316	45.9	10.7	61	124	1
71	295	400	1532	49.8	172.9	62	78	416	244	79.4	-23.1	84	109	1
71	295	757	1605	80.3	122.1	85	97	807	304	68.0	-75.7	85	115	2
71	295	807	304	68.0	-75.7	85	115	822	319	20.7	-75.6	52	128	1
71	297	718	1547	77.6	127.2	83	95	729	256	67.5	-68.4	84	116	6
71	297	718	1547	77.6	127.2	83	95	743	310	23.4	-68.2	55	131	2
71	298	807	251	66.7	-78.9	84	118	819	304	29.0	-78.6	61	131	5
71	299	650	244	70.2	-61.5	84	116	654	253	57.6	-60.3	78	123	1
71	299	702	300	32.4	-60.6	62	132	703	300	29.3	-60.7	59	132	1
71	299	844	245	69.1	-89.9	86	117	858	300	25.1	-89.4	56	133	1
71	300	729	243	66.3	-71.6	84	119	742	256	25.4	-71.5	57	134	1
71	300	922	241	68.4	-100.4	85	118	935	255	27.5	-99.9	57	134	1
71	300	1825	1502	31.3	-50.8	58	64	1826	1502	34.5	-50.9	61	66	1
71	300	1831	1506	50.4	-51.2	72	77	1835	1512	63.0	-50.8	79	86	1
71	301	1001	239	64.4	-110.5	82	121	1016	252	17.2	-111.0	42	135	3
71	302	640	1530	79.5	132.6	84	97	650	232	68.8	-64.6	84	119	2

71	302	640	1530	79.5	132.6	84	97	704	247	24.8	-64.2	56	136	4
71	303	718	1529	80.2	122.7	85	98	743	243	20.9	-75.0	53	138	5
71	303	755	248	-17.0	-76.8	-7	126	803	252	-42.2	-77.7	-44	110	5
71	303	912	1533	81.2	95.3	85	99	922	228	67.1	-103.5	84	121	3
71	303	922	228	67.1	-103.5	84	121	933	241	32.5	-103.1	61	136	2
71	303	950	248	-21.2	-105.5	-25	123	957	252	-43.3	-106.2	-52	109	2
71	307	2053	1428	23.1	-96.3	53	55	2055	1429	29.5	-96.5	59	59	1
71	307	2102	1434	51.7	-97.0	77	76	2106	1440	64.3	-96.5	84	86	1
71	308	833	1504	79.8	97.7	85	99	843	204	68.5	-99.8	85	123	2
71	308	843	204	68.5	-99.8	85	123	855	218	30.8	-99.2	60	142	3
71	311	833	1456	81.1	95.7	85	100	847	158	54.8	-102.1	78	134	2
71	312	522	1436	76.7	138.5	83	97	545	200	31.0	-56.1	59	146	4
71	312	717	1450	80.8	113.3	85	100	741	201	23.6	-84.9	55	148	4
71	313	600	1433	77.4	128.3	83	97	611	142	67.9	-67.2	84	126	2
71	313	611	142	67.9	-67.2	84	126	625	157	23.9	-67.0	55	149	4

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	313	948	1439	79.4	72.7	84	99	1000	145	62.7	-123.7	79	130	2
71	313	1001	147	59.6	-123.5	78	132	1012	156	25.0	-124.0	49	149	5
71	314	638	1431	78.2	118.2	84	98	650	140	64.0	-77.4	83	129	3
71	314	833	1449	82.2	94.1	85	102	843	139	66.1	-106.1	84	128	4
71	315	501	1353	11.6	132.9	7	42	514	1401	52.9	131.7	67	76	4
71	315	523	1438	81.1	138.8	85	101	546	147	26.5	-59.6	56	151	4
71	315	726	131	69.4	-88.7	84	126	740	147	25.5	-88.2	57	151	5
71	315	740	147	25.5	-88.2	57	151	754	153	-18.9	-90.2	-15	132	6
71	317	455	125	66.8	-52.5	81	129	459	132	54.3	-51.8	75	139	4
71	317	649	125	65.8	-80.9	84	130	651	129	59.6	-80.4	81	135	5
71	318	912	1609	87.0	104.3	87	107	926	128	48.4	-119.4	71	144	2
71	319	754	1419	80.9	96.1	85	101	815	128	33.0	-101.9	62	154	2
71	320	443	1359	76.6	139.0	83	97	506	124	31.1	-55.5	59	155	4
71	320	639	1435	83.7	119.1	84	104	648	110	67.8	-84.5	85	129	2
71	320	639	1435	83.7	119.1	84	104	702	125	23.8	-84.3	55	157	6
71	320	832	1418	81.7	86.5	85	102	843	113	63.6	-112.5	82	133	2
71	320	844	115	60.5	-112.3	80	136	859	126	13.2	-113.3	36	156	3
71	321	521	1356	77.3	128.8	83	98	532	105	68.0	-66.6	84	130	2
71	321	532	105	68.0	-66.6	84	130	545	120	27.2	-66.3	58	157	4
71	321	716	1412	81.4	104.0	85	102	726	106	67.0	-95.0	85	131	2
71	321	726	106	67.0	-95.0	85	131	737	119	32.5	-94.6	63	156	4
71	322	344	1321	10.8	144.2	5	38	358	1330	55.1	143.0	68	77	4
71	322	405	1351	77.0	146.6	83	98	427	114	33.8	-48.2	59	156	4
71	322	559	1354	78.0	118.7	84	99	609	58	70.4	-77.7	86	128	2
71	322	609	58	70.4	-77.7	84	128	622	115	29.6	-76.8	61	158	5
71	322	753	1357	79.0	90.9	84	100	804	102	66.3	-105.5	84	132	2
71	322	909	1312	-40.4	60.8	-65	28	922	1318	1.1	59.1	-16	30	3
71	324	533	55	63.7	-69.5	82	135	536	100	54.3	-69.1	78	143	2
71	325	406	1354	81.3	146.9	85	102	416	48	67.1	-52.0	81	132	6
71	325	415	45	70.2	-52.5	82	129	427	101	32.6	-51.5	59	160	5
71	326	647	42	68.5	-91.3	84	131	700	57	27.6	-90.9	58	163	4
71	327	725	38	67.8	-101.8	85	132	736	51	33.2	-101.3	62	161	2
71	328	559	1335	80.4	114.0	85	102	609	33	68.0	-83.9	85	132	6
71	332	636	1312	79.4	99.0	84	101	651	23	53.4	-97.0	78	147	2
71	335	645	2358	71.0	-101.8	84	131	657	14	33.3	-100.7	62	168	2

71	336	727	3	57.8	-111.0	79	144	731	7	45.2	-111.0	70	157	2
71	336	1020	1205	-49.3	26.4	-64	27	1034	1213	-4.8	24.8	-29	18	2
71	341	646	2336	65.5	-107.6	83	137	702	2350	14.9	-108.1	40	172	3
71	343	6	1152	49.2	176.6	62	72	27	2328	64.8	-14.7	76	138	1
71	343	403	1222	79.4	124.8	84	102	427	2340	24.8	-71.8	57	176	1
71	343	557	1226	80.4	97.3	85	103	618	2338	33.3	-100.0	62	169	1
71	343	753	1424	87.2	97.7	87	111	808	2335	44.9	-128.2	67	158	1
71	343	947	1535	87.9	87.1	87	112	1002	2335	43.9	-156.8	61	159	1
71	344	246	1208	76.0	140.6	82	99	257	2319	69.3	-54.4	82	133	1
71	344	446	2230	83.8	-93.9	89	119	452	2323	65.1	-82.4	84	138	1
71	344	635	1225	81.1	87.5	85	104	702	2336	13.4	-111.4	37	169	1
71	344	819	1147	50.9	51.9	64	74	846	2331	44.2	-138.9	64	158	1
71	345	519	1219	80.8	105.1	85	104	541	2329	29.6	-92.9	60	171	1
71	345	705	1145	56.9	69.9	72	80	729	2325	47.6	-120.9	70	155	1
71	345	856	1141	48.5	41.3	64	71	925	2327	40.2	-149.6	59	162	1

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
71	345	1049	1140	46.4	12.8	61	69	1103	1818	88.1	108.7	87	113	1
71	346	412	2308	70.9	-76.0	84	132	427	2326	23.5	-75.2	55	173	5
71	346	403	1214	80.6	122.7	85	104	411	2304	74.1	-76.8	87	129	1
71	346	557	1219	81.6	95.4	85	105	611	2319	54.2	-103.0	78	148	5
71	346	741	1138	51.4	59.2	67	74	808	2322	43.7	-131.6	65	158	1
71	346	947	1740	88.2	118.1	87	113	1002	2321	42.6	-160.1	59	159	1
71	347	2131	1128	40.5	-150.8	59	64	2146	1349	87.0	-119.3	88	110	2
71	347	2339	1248	85.1	-162.6	87	108	2352	2311	53.6	-10.2	68	148	1
71	348	518	1158	79.0	99.9	84	102	540	2315	31.5	-96.2	61	168	1
71	348	518	1158	79.0	99.9	84	102	540	2315	31.5	-96.2	61	168	3
71	348	712	1201	80.0	72.3	84	103	736	2316	24.1	-124.9	48	170	3
71	348	712	1201	80.0	72.3	84	103	736	2316	24.1	-124.9	48	170	1
71	349	108	2335	-68.3	-23.4	-65	88	122	1059	-67.3	144.2	-89	45	5
71	349	124	1103	-61.0	144.7	-85	39	202	1128	58.9	141.5	71	82	1
71	349	208	1150	77.7	145.4	83	101	230	2311	32.8	-49.7	59	166	1
71	349	402	1152	78.7	117.6	84	102	426	2312	25.4	-78.5	57	169	1
71	349	556	1156	79.7	89.9	84	103	623	2313	14.8	-107.4	40	166	1
71	349	741	1124	52.6	55.9	68	76	807	2307	45.6	-134.9	66	156	1
71	350	440	1150	79.4	107.6	84	103	505	2308	21.4	-89.3	52	168	1
71	350	634	1154	80.4	80.1	84	104	701	2309	14.0	-118.1	36	165	1
71	350	825	1133	72.1	47.0	79	95	845	2303	44.8	-145.5	63	156	1
71	351	335	2250	66.1	-71.2	83	136	348	2303	24.9	-71.2	57	167	1
71	351	518	1149	80.2	97.7	85	103	539	2301	33.4	-99.4	63	164	1
71	351	703	1116	53.1	63.2	68	77	730	2259	41.9	-127.7	65	158	1
71	351	855	1114	47.8	34.6	69	72	924	2259	40.8	-156.2	58	159	1
71	351	1049	1114	48.8	6.1	69	73	1103	2053	86.6	147.6	87	116	1
71	351	1430	1108	28.9	-50.4	54	54	1441	1119	63.4	-50.5	79	87	1
71	352	124	1050	-59.7	141.5	-85	38	138	1100	-15.5	140.6	-44	16	1
71	352	207	1131	75.8	141.0	82	99	230	2258	31.5	-53.1	59	164	1
71	352	402	1143	79.9	115.3	85	103	426	2259	24.1	-81.9	56	166	1
71	352	556	1147	80.9	87.9	85	104	623	2300	13.4	-110.8	37	163	1
71	352	740	1110	50.7	52.5	66	75	751	1225	84.9	68.5	86	108	2
71	352	932	1108	45.4	24.1	60	70	946	1549	88.1	90.8	87	112	1
71	352	1506	1103	23.3	-60.8	53	49	1520	1117	67.3	-60.7	82	91	2
71	353	246	1138	79.6	132.9	84	103	256	2239	68.7	-64.3	83	133	1

71	353	440	1142	80.6	105.4	85	104	454	2247	55.1	-91.8	79	146	1
71	353	636	1353	87.4	109.3	87	111	650	2249	47.7	-120.3	71	152	1
71	353	829	1234	85.6	61.4	84	109	845	2249	43.5	-148.9	62	155	1
71	354	46	1041	-59.2	148.8	-83	38	100	1051	-15.0	147.8	-43	18	1
71	354	324	1136	80.4	123.0	85	104	348	2250	23.5	-74.6	55	164	1
71	354	518	1141	81.4	95.8	85	105	538	2247	35.3	-102.7	64	160	1
71	354	713	1225	85.4	77.9	84	109	728	2244	46.9	-130.9	68	152	1
71	355	207	1120	77.0	138.3	83	101	230	2244	30.2	-56.5	59	162	1
71	355	557	1215	85.1	94.6	84	109	614	2241	40.8	-113.2	67	156	1
71	355	751	1237	86.0	71.5	84	110	807	2241	43.0	-141.6	63	154	1
71	355	1434	1016	-76.4	-64.6	-69	54	1449	1042	-29.2	-61.8	-26	19	1
71	356	439	1120	78.8	100.3	84	102	450	2227	66.4	-95.8	85	135	6
71	356	439	1120	78.8	100.3	84	102	502	2239	28.3	-95.7	58	161	7
71	357	517	1119	79.6	90.5	84	103	528	2223	65.5	-106.4	83	135	2
71	358	218	2218	66.8	-60.1	82	134	222	2225	54.2	-59.4	76	144	2

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
71	358	411	2215	68.9	-88.9	86	132	416	2225	53.1	-87.9	78	145	2
71	360	139	2206	69.4	-53.2	82	131	151	2221	31.4	-52.5	59	156	2
71	360	517	1111	80.8	88.4	85	104	531	2215	54.7	-109.1	77	143	3
71	360	1823	1031	50.4	-117.9	72	76	1838	2129	82.1	42.8	84	119	2
71	361	207	1101	79.6	133.5	84	103	230	2217	27.4	-63.2	58	156	7
71	361	401	1105	80.6	106.0	85	104	424	2217	26.3	-91.8	57	155	7
71	362	439	1104	81.3	96.3	85	105	459	2211	35.1	-102.1	64	153	2
71	364	401	1058	81.8	104.3	85	105	411	2150	66.3	-95.2	85	132	2
72	2	400	1035	80.0	98.7	85	104	421	2148	33.2	-98.2	63	148	2
72	2	1503	954	20.0	-77.3	52	54	1517	1006	64.2	-77.7	83	90	5
72	3	38	956	41.0	139.4	54	71	52	1112	84.8	154.9	86	108	2
72	3	516	2151	-22.1	-111.2	-28	124	540	857	-81.7	49.3	-75	62	2
72	3	400	943	-39.0	85.7	-69	35	422	953	30.4	82.7	43	62	2
72	3	1347	949	19.8	-59.4	50	54	1403	1007	70.2	-59.0	83	95	5
72	4	1426	945	23.7	-70.2	55	58	1439	957	64.7	-70.4	83	91	5
72	5	1312	942	29.7	-52.5	57	63	1324	955	67.6	-52.2	81	93	5
72	5	1503	940	21.3	-80.7	53	57	1519	959	71.7	-79.9	86	97	5
72	6	50	1018	80.1	141.9	84	104	100	2117	68.0	-55.7	82	128	6
72	6	438	1028	82.1	87.5	85	105	505	2133	11.7	-113.0	34	141	2
72	6	1347	936	21.1	-62.8	52	57	1401	949	65.3	-63.0	82	92	5
72	6	1541	936	22.1	-91.4	52	58	1557	956	72.6	-90.3	87	98	5
72	9	243	1000	79.3	109.3	84	103	306	2117	27.4	-87.1	59	141	7
72	9	252	2059	72.0	-88.3	87	123	306	2117	27.4	-87.1	59	141	6
72	10	127	955	79.0	127.0	84	103	151	2114	24.4	-69.4	56	139	5
72	10	321	959	80.0	99.4	85	103	343	2112	29.8	-97.7	59	139	2
72	10	706	939	72.7	38.4	79	98	721	2103	59.6	-154.4	73	130	5
72	10	1234	919	31.6	-48.7	58	67	1244	929	63.2	-48.7	79	91	5
72	10	1423	917	16.8	-76.6	48	58	1439	932	67.3	-76.7	85	94	5
72	11	10	941	75.6	142.8	82	100	32	2108	34.3	-51.1	61	138	7
72	11	359	957	80.8	89.6	85	104	425	2110	16.1	-108.8	41	137	2
72	11	556	1750	87.6	178.4	88	112	611	2105	40.7	-136.5	62	137	6
72	11	1503	913	23.9	-87.5	55	63	1516	925	65.0	-87.6	84	92	5
72	12	243	952	80.5	107.2	85	104	306	2104	26.0	-90.5	57	137	2
72	12	1346	908	20.4	-69.5	52	61	1400	921	64.7	-69.8	83	92	5
72	12	1542	909	27.8	-98.3	57	66	1554	921	65.7	-98.2	84	93	5

72	13	137	2045	67.7	-72.9	84	124	151	2100	23.0	-72.7	55	136	6
72	13	321	951	81.3	97.5	85	104	341	2058	34.8	-100.8	64	136	2
72	13	514	941	79.2	66.8	84	103	527	2050	59.3	-129.2	76	128	2
72	13	1233	905	29.7	-51.9	57	68	1244	916	64.5	-51.9	80	92	5
72	13	1425	904	24.4	-80.2	56	65	1438	917	65.5	-80.3	84	93	5
72	14	215	2041	66.9	-83.4	85	124	221	2050	47.8	-82.7	75	132	3
72	15	252	2034	69.3	-94.4	86	122	305	2050	27.8	-93.8	58	134	2
72	16	126	926	78.5	119.9	84	102	135	2026	72.7	-77.3	86	120	3
72	16	136	2030	69.6	-76.6	85	121	150	2046	24.9	-76.0	57	132	5
72	16	320	929	79.5	92.2	84	103	331	2033	65.4	-104.5	84	123	2
72	16	320	929	79.5	92.2	84	103	331	2033	65.4	-104.5	84	123	6
72	16	332	2035	62.2	-104.2	82	125	340	2044	36.6	-104.1	65	132	5
72	16	516	1056	86.5	84.9	87	108	531	2041	45.2	-132.4	66	131	5
72	17	358	927	80.3	82.4	84	103	412	2034	55.0	-114.5	76	127	2
72	18	242	922	80.0	100.0	85	103	304	2036	29.7	-97.0	59	130	2

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	19	320	921	80.8	90.2	85	104	347	2034	12.8	-108.3	37	127	2
72	19	517	1716	87.6	179.7	88	110	531	2028	43.8	-135.8	65	128	5
72	20	213	2010	70.5	-90.7	87	119	227	2027	25.8	-89.9	57	128	1
72	20	358	921	81.7	80.8	85	104	425	2029	11.9	-119.0	33	125	2
72	20	1520	918	81.6	-90.4	89	104	1532	2016	60.0	70.9	74	122	6
72	23	204	910	82.0	106.5	85	104	226	2013	27.6	-93.2	58	125	2
72	24	47	850	78.6	120.6	84	102	111	2010	24.6	-75.4	57	123	3
72	24	241	853	79.7	93.0	84	102	301	2007	36.4	-103.5	65	123	2
72	24	618	820	46.9	30.4	62	85	647	2005	40.7	-160.4	57	123	3
72	24	1011	827	64.8	-26.1	77	94	1022	1929	80.0	136.9	84	112	3
72	24	1548	819	52.1	-112.1	75	88	1611	2000	54.6	57.2	69	121	3
72	25	319	852	80.4	83.2	85	103	346	2006	13.2	-115.0	36	120	2
72	26	203	846	80.2	100.8	85	103	226	2000	26.2	-96.5	56	121	3
72	26	357	851	81.2	73.5	85	103	410	1952	57.1	-124.6	76	119	2
72	26	2252	829	75.8	144.2	82	100	2312	1953	40.3	-49.7	65	120	3
72	27	47	841	80.0	118.5	85	102	112	1956	20.1	-78.9	52	119	3
72	27	241	845	81.0	91.1	85	103	308	1957	12.6	-107.7	36	118	2
72	27	425	807	50.4	55.6	64	88	452	1951	43.6	-135.1	65	120	3
72	27	617	805	45.1	27.1	60	85	645	1951	45.7	-163.6	61	119	3
72	28	330	1940	63.0	-117.6	81	116	346	1953	11.8	-118.4	33	116	2
72	28	1424	756	27.7	-97.0	58	78	1435	806	62.7	-97.2	83	94	2
72	29	203	839	81.5	99.1	85	103	224	1945	31.3	-99.7	61	118	2
72	30	241	840	82.3	89.7	85	103	255	1935	52.8	-109.9	76	116	2
72	31	125	834	82.1	107.2	85	103	147	1937	27.5	-92.5	58	115	2
72	31	1424	742	29.0	-100.4	58	81	1445	1830	83.8	56.2	85	108	2
72	32	202	817	79.7	93.7	84	102	222	1931	36.3	-102.9	65	115	2
72	32	1458	736	17.1	-110.5	42	77	1523	1833	83.0	47.5	85	107	2
72	33	240	816	80.5	83.9	85	102	307	1930	13.1	-114.4	36	111	2
72	36	251	1903	62.7	-116.9	80	109	307	1916	11.7	-117.8	33	107	3
72	36	630	1434	88.1	121.1	87	104	643	1909	47.9	-173.6	61	110	6
72	36	1345	719	27.9	-96.4	58	84	1356	730	62.9	-96.6	83	96	3
72	37	124	804	81.8	100.1	85	102	134	1857	66.1	-99.3	84	108	2
72	37	135	1859	63.0	-99.0	83	109	144	1908	34.3	-99.0	63	109	5
72	37	320	1157	88.1	129.2	87	104	334	1905	46.0	-127.2	68	109	6
72	37	513	926	86.7	63.3	84	103	528	1905	44.9	-155.7	62	109	5

72	37	1426	717	38.2	-107.4	66	88	1432	722	57.3	-107.5	79	95	3
72	38	202	805	82.5	90.8	85	102	216	1859	52.6	-109.3	76	108	2
72	39	39	717	60.2	99.5	75	96	51	1815	81.4	-98.9	90	105	2
72	39	252	1852	58.2	-120.0	77	107	307	1902	10.4	-121.1	30	103	3
72	39	435	942	87.1	76.8	87	103	450	1856	44.4	-148.4	63	107	6
72	39	629	1053	87.8	66.0	87	103	642	1854	49.7	-176.9	63	107	5
72	39	1345	706	29.2	-99.8	59	87	1354	713	57.9	-100.2	80	95	3
72	39	1356	717	64.3	-99.8	84	97	1406	1756	83.6	57.4	85	104	2
72	39	1543	708	43.0	-128.7	65	91	1556	815	84.2	-115.3	89	102	3
72	40	123	741	80.0	94.6	85	101	134	1844	64.8	-102.5	83	106	2
72	40	135	1846	61.6	-102.3	82	106	144	1855	32.9	-102.3	62	106	3
72	40	1419	659	17.2	-109.9	43	85	1429	705	49.1	-110.9	73	93	3
72	40	1429	705	49.1	-110.9	73	93	1444	1758	82.8	48.6	85	104	2
72	41	201	740	80.8	84.8	85	101	212	1840	64.0	-113.1	82	105	2
72	41	213	1842	60.8	-112.8	80	105	228	1853	13.0	-113.7	36	102	3

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
72	41	358	1535	87.6	174.1	88	103	412	1847	43.8	-141.2	64	105	5
72	41	552	1633	86.8	160.1	87	103	605	1846	46.0	-169.6	60	105	5
72	41	1305	656	23.4	-92.3	54	87	1317	706	61.7	-92.7	83	97	3
72	42	1340	650	14.6	-102.5	41	86	1353	659	56.1	-103.5	79	96	3
72	43	135	1833	60.2	-105.5	81	104	148	1843	18.8	-106.2	46	100	3
72	44	1313	648	50.3	-96.3	74	95	1327	1717	84.7	57.6	86	102	2
72	44	1505	646	44.9	-124.8	68	94	1517	739	83.0	-114.5	89	101	2
72	45	351	627	-49.6	39.1	-64	78	405	635	-5.3	37.6	-30	84	2
72	45	434	855	86.8	65.1	84	101	449	1829	44.9	-155.1	62	101	5
72	45	1351	643	51.1	-106.9	75	96	1405	1723	84.0	49.6	85	101	3
72	46	122	712	79.5	87.5	84	100	133	1816	65.2	-109.2	83	101	2
72	46	133	1816	65.2	-109.2	83	101	149	1830	14.4	-109.7	39	96	3
72	46	1427	637	45.5	-117.5	69	96	1439	735	83.5	-105.9	89	100	3
72	47	1307	630	32.5	-99.3	62	94	1316	639	61.2	-99.4	82	98	3
72	47	1316	639	61.2	-99.4	82	98	1327	1720	83.4	58.3	85	101	2
72	48	1340	623	17.4	-109.3	43	92	1351	630	52.6	-110.2	76	97	3
72	48	1350	629	49.4	-110.2	74	97	1405	1724	82.6	49.7	85	100	2
72	50	1306	616	30.8	-102.6	60	96	1316	626	62.7	-102.6	82	99	3
72	51	350	600	-50.1	32.5	-65	84	404	608	-5.7	31.0	-31	91	2
72	51	1350	616	50.8	-113.6	74	99	1404	1652	84.3	41.9	85	99	2
72	52	123	737	85.4	93.6	86	99	137	1756	49.7	-115.3	73	95	3
72	52	1227	606	28.1	-95.2	58	97	1237	615	60.1	-95.5	82	99	3
72	52	1237	615	60.1	-95.5	82	99	1248	1644	84.5	59.0	86	98	2
72	53	1301	600	16.1	-105.3	42	97	1312	607	51.3	-106.3	75	99	3
72	53	1316	613	64.1	-105.8	83	100	1326	1649	83.8	50.8	85	98	2
72	54	44	655	82.9	92.7	86	99	54	1740	65.1	-108.6	83	95	2
72	54	54	1740	65.1	-108.6	83	95	110	1753	14.3	-109.1	39	87	3
72	54	2336	1729	71.6	-91.8	87	95	2352	1748	20.9	-90.9	51	87	1
72	55	1227	553	29.5	-98.6	59	100	1237	602	61.5	-98.7	82	100	3
72	55	1238	604	64.7	-98.5	84	100	1248	1646	83.2	59.5	85	97	2
72	56	1301	546	17.5	-108.7	43	100	1317	603	68.6	-108.6	85	100	3
72	57	55	1729	60.6	-111.6	80	92	111	1740	9.9	-112.7	31	83	3
72	58	1227	539	30.9	-101.9	60	102	1236	547	59.7	-102.2	81	101	3
72	58	1236	547	59.7	-102.2	81	101	1247	1609	85.0	50.6	86	96	2
72	60	1147	529	25.1	-94.4	55	104	1158	539	60.2	-94.8	82	101	3

72	61	1222	523	16.3	-104.7	42	104	1238	539	67.4	-104.8	84	100	3
72	62	1311	526	52.4	-116.3	74	103	1325	1617	82.8	43.1	85	93	2
72	62	2257	1653	71.5	-91.1	87	90	2311	1711	27.2	-90.1	58	79	1
72	65	1311	513	53.8	-119.6	75	104	1325	1613	81.5	42.0	84	91	2
72	66	1149	503	34.4	-101.4	63	108	1156	509	56.7	-101.6	79	103	3
72	66	1158	513	63.1	-101.3	83	102	1208	1536	84.8	51.9	86	92	2
72	69	224	454	46.5	37.5	62	107	252	1639	44.8	-153.2	62	76	4
72	69	419	455	50.8	9.0	65	106	445	1638	46.9	178.3	60	77	4
72	69	801	450	33.7	-47.7	59	110	821	1549	82.5	112.0	86	90	4
72	69	1143	447	16.5	-104.1	43	112	1154	454	51.7	-105.0	76	105	3
72	69	1156	456	58.1	-104.9	80	104	1208	1538	83.6	52.6	85	90	2
72	69	1345	451	43.2	-133.5	65	108	1412	1635	51.2	35.8	66	78	4
72	69	1937	518	78.0	145.2	83	97	1958	1638	35.5	-50.0	61	73	4
72	70	110	452	52.7	55.4	68	105	136	1635	45.0	-135.3	66	76	4
72	70	302	450	47.3	26.9	62	107	330	1635	44.0	-163.9	60	75	4

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	70	836	444	24.9	-58.0	54	112	858	1518	84.8	95.1	86	90	4
72	70	1029	443	22.7	-86.4	54	112	1052	1531	83.8	69.9	85	90	4
72	70	1422	446	40.8	-144.0	61	109	1436	605	85.0	-127.7	88	94	3
72	70	1422	446	40.8	-144.0	61	109	1451	1631	47.3	25.1	62	76	4
72	70	1617	447	45.1	-172.6	59	108	1630	626	85.9	-151.0	88	93	3
72	70	1640	1625	62.0	-3.7	72	81	1648	1634	36.8	-3.6	52	72	4
72	70	2015	516	78.8	135.1	84	96	2039	1635	25.3	-61.0	55	69	4
72	70	2209	519	79.8	107.5	85	96	2233	1635	24.2	-89.6	55	69	4
72	71	6	1138	88.1	173.0	88	92	30	1636	13.7	-118.6	36	67	4
72	71	339	444	44.9	16.3	60	108	353	924	88.1	82.9	87	92	3
72	71	1108	439	26.7	-97.2	57	112	1119	449	61.8	-97.4	82	103	3
72	71	1119	449	61.8	-97.4	82	103	1130	1534	83.1	61.1	85	89	2
72	73	1221	429	18.8	-118.1	43	115	1237	446	69.7	-117.8	84	100	4
72	73	1422	432	42.2	-147.4	61	110	1436	620	86.2	-123.9	88	92	4
72	74	1109	426	31.3	-100.7	60	114	1117	433	56.8	-101.0	79	105	5
72	74	1118	434	60.0	-100.9	81	104	1129	1459	84.8	52.5	86	88	2
72	74	2103	1602	67.3	-75.2	84	80	2115	1616	29.6	-74.8	61	66	1
72	75	412	423	31.2	2.7	44	114	425	442	72.4	4.2	79	98	6
72	75	2206	1617	-12.2	-87.3	-2	62	2219	1625	-53.1	-88.5	-56	73	1
72	76	803	340	-77.4	-65.7	-70	96	813	406	-45.9	-61.8	-46	110	4
72	76	822	411	-17.1	-62.8	-4	118	833	416	18.2	-64.4	49	118	1
72	76	835	416	24.6	-64.6	55	117	848	430	66.0	-64.6	82	101	4
72	76	1016	411	-16.1	-91.3	-11	119	1026	415	16.0	-92.8	45	118	1
72	76	1029	416	25.6	-93.2	56	116	1041	428	63.8	-93.3	84	102	4
72	76	2038	1607	25.8	-67.7	57	63	2049	1612	-8.9	-69.3	9	60	1
72	76	2233	1608	21.6	-96.4	51	62	2244	1612	-13.1	-98.0	-8	61	1
72	77	1105	411	20.0	-103.6	48	119	1113	416	45.6	-104.4	72	111	3
72	78	1344	410	44.3	-143.5	63	112	1357	530	85.1	-126.7	88	91	3
72	79	1228	406	44.0	-125.6	67	112	1258	1552	41.3	43.5	57	65	3
72	81	2010	1549	-7.5	-65.3	12	55	2025	1558	-54.8	-66.7	-54	72	1
72	82	1029	349	28.4	-99.9	58	120	1039	358	60.2	-100.2	81	105	3
72	82	1040	400	63.3	-100.0	83	103	1051	1454	81.8	60.8	84	83	2
72	86	1112	335	46.4	-114.4	71	113	1124	438	84.1	-101.4	89	90	3
72	87	755	326	22.9	-67.3	54	125	809	340	67.3	-67.2	83	101	3
72	87	809	340	67.3	-67.2	83	101	818	1411	84.1	88.3	86	82	2

72	87	951	327	30.3	-96.1	60	122	1001	336	62.0	-96.2	83	104	3
72	87	1002	338	65.2	-95.9	84	102	1012	1421	83.1	62.3	85	81	2
72	88	1024	320	15.1	-106.1	41	129	1033	325	43.8	-107.1	70	116	3
72	88	1035	327	50.2	-107.1	75	112	1050	1423	82.3	53.2	85	80	2
72	90	951	313	31.8	-99.4	61	123	1000	321	60.3	-99.6	81	105	3
72	90	1001	323	63.4	-99.4	83	103	1012	1418	81.8	61.5	84	79	2
72	90	1945	1449	67.4	-73.9	84	69	1959	1504	23.4	-73.8	55	46	1
72	92	911	303	25.9	-91.9	57	127	922	313	60.8	-92.3	82	105	3
72	94	819	248	-18.3	-82.7	-11	139	831	253	20.1	-84.4	51	132	6
72	95	702	243	-21.7	-64.6	-14	139	714	249	16.7	-66.4	48	134	6
72	95	857	244	-17.4	-93.3	-14	140	907	248	14.5	-94.8	42	135	6
72	95	910	249	24.1	-95.2	54	130	922	300	62.1	-95.6	83	104	3
72	95	922	300	62.1	-95.6	83	104	931	935	88.1	.9	87	82	2
72	97	638	240	23.6	-59.4	53	132	644	244	42.6	-60.0	69	119	6
72	97	807	226	-55.2	-85.1	-57	124	831	240	21.5	-87.8	52	133	6

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	101	912	223	33.1	-102.2	69	127	932	1311	83.7	54.8	85	76	5
72	104	917	213	50.3	-105.9	75	114	927	254	81.5	-98.2	90	87	3
72	106	832	200	28.7	-98.1	58	132	843	210	63.4	-98.2	83	103	3
72	111	728	124	-52.2	-91.1	-54	137	737	130	-23.5	-91.8	-24	156	7
72	111	742	132	-7.6	-92.5	5	157	745	133	2.0	-93.0	23	153	7
72	111	737	130	-23.5	-91.8	-24	156	750	135	17.8	-93.7	47	142	6
72	111	751	136	21.0	-93.8	51	140	805	149	65.1	-94.1	84	101	7
72	111	1305	116	-64.9	-177.2	-80	126	1318	129	-23.6	-177.3	-47	156	6
72	112	611	118	-55.6	-73.2	-55	134	621	125	-23.8	-73.9	-19	157	7
72	112	620	125	-26.9	-73.8	-24	156	635	131	20.8	-75.9	52	140	6
72	112	1044	521	87.9	-80.7	88	78	1058	1320	47.2	35.5	62	38	5
72	113	659	121	-23.0	-84.5	-20	159	712	126	18.4	-86.4	49	143	6
72	113	916	132	51.0	-115.9	74	114	930	1202	84.8	37.9	85	72	3
72	113	1226	105	-67.5	-170.2	-80	124	1239	119	-26.2	-169.9	-48	157	6
72	115	621	112	-22.4	-77.3	-17	161	635	118	22.1	-79.3	54	140	6
72	117	753	110	29.9	-100.8	59	133	804	121	64.5	-100.8	83	100	3
72	118	837	109	49.7	-111.9	73	115	851	1113	86.0	35.6	86	72	2
72	119	713	100	24.2	-93.3	54	139	734	722	88.2	-3.0	87	75	3
72	119	1105	102	38.9	-150.9	58	125	1120	233	85.6	-131.7	88	79	3
72	120	753	56	31.3	-104.2	60	132	813	1116	85.5	45.7	86	71	3
72	122	453	31	-57.9	-65.4	-56	137	540	737	88.1	29.3	87	74	3
72	124	621	31	-18.3	-87.4	-13	172	633	36	19.7	-89.2	50	143	6
72	128	720	24	50.0	-104.0	75	113	734	1037	85.6	45.8	86	69	5
72	136	1424	7	76.0	145.6	82	85	1438	1125	59.7	-48.3	77	41	5
72	137	1222	2314	-69.1	163.0	-85	130	1236	2330	-25.0	163.4	-53	171	6
72	137	1502	4	76.8	135.4	83	84	1526	1129	27.1	-59.3	57	10	2
72	138	1106	2309	-69.3	-179.2	-82	130	1120	2325	-25.2	-178.7	-49	170	6
72	138	1540	1	77.6	125.2	83	83	1604	1124	26.3	-70.0	58	11	2
72	139	424	2322	-22.3	-75.4	-16	171	438	2328	21.9	-77.4	54	138	6
72	141	1107	2259	-64.9	178.1	-81	134	1121	2312	-20.8	177.8	-44	169	6
72	142	422	2308	-27.3	-78.5	-25	166	434	2313	10.5	-80.3	40	147	6
72	144	557	2307	34.1	-102.5	63	124	616	925	85.6	47.3	86	66	7
72	144	806	2356	82.2	-122.6	88	77	821	1053	50.0	38.0	65	32	7
72	146	528	2307	63.1	-95.1	83	95	537	734	87.6	29.3	87	68	5
72	152	727	2320	82.4	-121.7	88	75	742	1017	49.8	38.6	65	34	7

72	153	334	2211	-54.3	-80.7	-55	142	344	2218	-22.9	-81.4	-19	156	4
72	153	349	2220	-7.2	-82.1	10	151	412	2237	65.5	-83.7	84	91	4
72	153	413	2240	68.6	-83.3	84	88	420	558	88.0	24.5	87	68	5
72	154	217	2206	-57.7	-62.9	-54	139	304	527	88.1	35.8	87	68	4
72	154	1038	129	87.6	-137.2	88	70	1057	1011	31.1	-11.5	46	26	2
72	154	1145	2203	-58.9	154.5	-82	138	1159	2213	-14.9	153.6	-42	153	2
72	154	1422	2248	77.7	126.6	83	79	1446	1011	25.8	-68.7	57	25	2
72	155	922	109	87.4	-123.2	88	70	954	1012	-10.4	4.6	-36	42	2
72	155	1221	2155	-64.4	143.6	-87	133	1237	2209	-14.1	142.9	-42	152	2
72	156	805	2323	84.4	-130.5	88	73	819	958	50.8	24.7	65	37	7
72	156	1538	2244	79.2	106.5	84	78	1600	1001	30.6	-89.8	61	28	2
72	157	218	2154	-53.3	-66.1	-53	141	304	710	87.3	61.5	87	67	4
72	157	842	2255	82.2	-146.6	87	75	857	953	49.9	14.1	64	37	7
72	157	947	2141	-71.1	178.4	-83	128	1001	2158	-27.3	179.3	-52	152	7
72	157	1056	957	32.9	-14.8	49	29	1108	1002	-5.6	-16.4	-18	41	2

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
72	157	1143	2147	-63.9	150.9	-84	133	1159	2200	-13.7	150.2	-40	150	2
72	157	1425	134	87.7	167.3	88	69	1457	1002	-10.9	-73.7	5	45	2
72	157	1616	2242	80.0	96.6	85	77	1636	955	36.2	-100.2	65	31	2
72	159	1106	2140	-60.2	158.4	-82	135	1119	2150	-19.5	157.7	-47	149	5
72	161	255	2135	-54.3	-80.1	-55	138	341	544	87.9	30.7	87	67	4
72	163	841	2226	81.8	-153.8	84	74	901	930	34.2	7.1	48	35	7
72	163	947	2116	-68.5	172.2	-83	128	1001	2131	-24.6	172.5	-51	145	6
72	163	1143	2121	-61.2	144.4	-85	133	1158	2132	-14.1	143.5	-42	143	6
72	163	1921	2124	-50.9	30.7	-65	139	1942	2135	15.3	28.1	14	127	2
72	165	908	2104	-71.1	179.0	-83	126	922	2122	-27.3	179.9	-52	143	7
72	166	215	2110	-58.8	-76.2	-58	133	303	717	86.5	63.4	86	66	4
72	167	255	2108	-51.8	-86.7	-55	136	340	433	88.1	13.3	87	67	4
72	167	1024	2056	-69.6	158.1	-84	126	1051	2118	15.4	156.7	15	124	6
72	167	1500	2224	83.9	111.0	84	72	1509	858	67.2	-92.8	85	52	5
72	167	1959	2106	-48.9	16.7	-63	137	2012	2113	-8.0	15.3	-34	136	2
72	170	124	2107	21.0	-64.3	52	118	138	2120	65.5	-64.5	82	86	4
72	170	124	2107	21.0	-64.3	52	118	146	456	87.9	47.6	87	67	6
72	170	756	903	-3.6	16.8	-24	52	809	910	-44.9	15.2	-63	79	2
72	170	907	2110	47.4	-179.1	60	99	937	857	37.0	-10.0	53	42	6
72	174	1103	2029	-63.1	141.6	-87	127	1117	2041	-19.2	141.1	-49	132	5
72	175	444	2052	56.9	-118.1	77	90	457	751	81.5	43.6	84	63	5
72	175	633	2047	42.1	-146.6	61	100	647	2234	86.2	-123.2	88	70	5
72	175	647	2234	86.2	-123.2	88	70	701	832	48.7	22.7	63	49	7
72	177	136	2020	-57.5	-78.9	-58	127	223	511	87.6	41.9	87	67	4
72	177	609	2245	86.7	-111.1	89	70	623	823	48.1	30.0	63	50	7
72	177	1851	2026	-20.1	23.7	-51	129	1848	2024	-29.5	24.1	-58	130	7
72	179	320	2027	32.6	-103.2	61	104	328	2034	58.1	-103.5	80	88	5
72	179	601	822	-3.6	35.3	-27	61	614	829	-44.7	33.8	-64	84	5
72	179	711	2029	44.2	-160.6	60	96	724	2153	85.3	-142.8	88	71	5
72	179	731	759	71.9	7.0	79	59	744	817	30.5	8.3	43	51	5
72	179	829	2003	-68.5	173.4	-83	122	843	2018	-24.7	173.7	-50	128	5
72	179	1026	2009	-58.2	145.8	-83	126	1039	2019	-17.3	144.9	-46	126	5
72	179	1327	817	24.2	-77.5	54	52	1352	831	-55.1	-80.3	-56	91	5
72	179	1654	404	88.0	167.4	88	68	1707	812	47.6	-133.8	68	52	5
72	179	1803	2011	-51.0	31.9	-65	127	1823	2021	12.2	29.5	7	114	5

72	179	2005	2016	-24.8	2.7	-51	128	2013	2019	.5	1.6	-15	120	5
72	179	2022	2023	29.2	.3	41	105	2035	2040	70.6	1.2	78	79	5
72	180	8	2022	24.9	-56.6	54	107	20	2033	63.2	-56.8	80	84	5
72	180	146	2015	-24.9	-82.8	-23	127	223	610	86.6	56.7	86	67	5
72	180	554	2024	40.8	-142.6	61	98	622	809	49.9	26.6	64	53	5
72	180	638	817	-1.2	24.8	-22	61	653	825	-48.6	23.1	-64	87	5
72	180	749	2024	45.0	-171.2	59	95	811	801	64.8	-2.4	75	57	5
72	180	819	811	39.3	-2.0	55	52	834	818	-8.6	-4.0	-30	64	5
72	180	906	1956	-70.9	162.4	-85	121	921	2013	-23.9	163.1	-52	127	5
72	180	1053	1116	-87.4	5.9	-75	111	1117	2014	-16.6	134.3	-46	125	5
72	180	1147	2053	78.9	136.6	84	74	1210	812	27.6	-59.4	57	53	5
72	180	1222	817	-10.7	-61.1	5	66	1236	826	-54.8	-62.4	-54	91	5
72	180	1341	2057	79.9	109.0	85	74	1418	818	-18.0	-90.0	-14	69	5
72	180	1509	2015	-1.8	76.6	-23	120	1522	2022	39.6	74.9	56	98	5
72	180	1732	507	87.5	173.8	88	67	1746	808	43.6	-144.5	63	53	5

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
72	180	1911	2022	44.9	17.8	60	95	1925	121	88.1	89.0	87	69	5
72	180	2151	816	-12.7	156.2	-38	67	2216	1625	-87.8	-87.8	-76	112	5
72	181	20	2003	-56.5	-64.3	-55	125	34	2012	-12.5	-65.5	3	123	5
72	181	1258	812	-5.1	-71.5	14	64	1314	822	-55.6	-73.0	-55	92	5
72	182	137	2027	68.0	-77.5	85	80	145	619	86.1	68.5	86	67	5
72	184	750	1939	-69.9	177.2	-83	119	804	1955	-26.0	177.7	-51	123	6
72	185	2331	1529	-88.0	-120.6	-77	112	2352	1948	-23.3	-61.0	-17	121	1
72	187	750	1926	-68.6	174.0	-83	118	805	1942	-21.5	174.2	-46	119	6
72	188	827	1919	-70.8	163.0	-85	117	842	1937	-23.7	163.7	-51	118	7
72	189	908	1922	-60.7	153.6	-84	118	923	1934	-13.4	152.7	-40	114	5
72	189	1717	1942	48.2	36.3	69	88	1745	727	42.5	-154.5	60	61	5
72	190	437	1938	41.7	-134.7	63	91	505	723	49.0	34.6	64	61	5
72	190	631	1938	42.8	-163.2	59	90	703	726	35.2	5.8	49	62	5
72	190	749	1911	-70.3	170.4	-84	116	804	1928	-23.2	171.0	-49	116	6
72	190	1754	1937	45.9	25.7	61	88	1809	545	85.9	173.9	87	68	6
72	190	2330	1932	29.8	-59.4	59	96	2349	226	88.1	39.3	87	69	7
72	191	827	1907	-69.6	160.0	-86	116	841	1923	-25.6	160.5	-54	115	7
72	192	5	1926	21.0	-69.7	53	99	19	1940	65.8	-69.8	83	79	3
72	192	201	1927	28.5	-98.5	58	95	212	1938	63.6	-98.6	83	80	3
72	192	213	1940	66.8	-98.2	85	78	220	2343	88.0	-39.3	87	70	5
72	192	359	1929	42.3	-127.4	65	89	412	2028	83.6	-115.9	89	72	3
72	192	444	723	-5.6	39.8	-30	75	457	730	-46.6	38.3	-65	93	3
72	192	552	1929	40.2	-155.9	58	90	606	2040	84.6	-141.4	88	71	3
72	192	625	717	34.7	13.0	48	64	650	729	-44.5	9.8	-62	92	3
72	192	711	1902	-69.8	177.8	-83	115	726	1919	-22.7	178.2	-47	114	3
72	192	755	1942	69.9	176.7	78	77	832	723	-7.7	-17.3	-21	76	3
72	192	858	1154	-88.0	44.1	-74	110	922	1920	-15.3	149.4	-43	112	3
72	192	951	1954	77.3	150.8	83	74	1004	708	61.2	-43.9	77	64	3
72	192	1145	1957	78.3	122.9	84	74	1234	731	-53.8	-75.7	-54	96	3
72	192	1340	2016	82.4	99.1	85	72	1400	716	33.7	-101.0	63	65	3
72	192	1536	130	88.2	148.4	87	70	1550	713	45.4	-129.2	67	63	3
72	192	1646	1912	-49.1	36.5	-65	117	1700	1920	-4.7	34.9	-29	108	3
72	192	1730	326	87.9	148.9	87	69	1744	713	44.3	-157.8	61	64	3
72	192	1904	1924	28.3	4.9	39	95	1935	710	52.8	173.8	65	63	3
72	192	1958	722	-20.2	171.1	-45	82	2013	737	-67.2	171.0	-83	102	3

72	192	2059	1924	32.6	-23.7	50	93	2119	616	83.4	134.2	86	68	3
72	192	2159	726	-43.2	141.8	-73	92	2215	1723	-86.2	-73.0	-75	111	3
72	192	2252	1923	30.4	-52.2	58	94	2313	624	82.4	107.8	86	68	3
72	194	633	1854	-69.3	-174.8	-81	114	646	1909	-28.5	-174.2	-52	113	6
72	195	359	1916	43.7	-130.8	66	86	412	2032	84.9	-114.9	89	71	7
72	195	711	1850	-68.5	174.7	-83	114	727	1906	-18.1	174.7	-41	109	5
72	195	711	1850	-68.5	174.7	-83	114	727	1906	-18.1	174.7	-41	109	6
72	195	749	1918	52.2	172.2	64	83	806	643	73.5	-20.6	81	67	7
72	196	748	1843	-70.9	163.6	-85	113	804	1901	-20.5	164.2	-47	109	6
72	196	1025	1943	79.5	138.4	84	73	1052	659	27.3	-58.2	57	70	7
72	196	1223	1947	80.5	110.9	85	73	1246	659	26.2	-86.7	57	70	7
72	197	514	1906	42.2	-152.0	60	86	528	2100	86.4	-127.1	88	71	6
72	197	633	1841	-68.0	-178.0	-81	113	645	1855	-30.3	-177.5	-55	110	6
72	197	1447	1909	57.0	65.5	71	80	1511	650	46.6	-125.3	69	68	7
72	198	710	1834	-70.4	171.0	-84	112	726	1852	-20.0	171.5	-45	106	6

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	204	357	1834	41.7	-140.7	62	81	411	2013	85.9	-119.4	89	72	7
72	204	441	628	-1.4	26.7	-23	86	456	636	-48.6	25.0	-64	101	2
72	204	600	1849	71.4	-167.7	79	74	622	621	38.7	-.1	54	75	7
72	204	757	1918	81.9	170.4	85	73	815	621	40.8	-28.6	60	75	7
72	206	1106	1906	81.3	119.9	85	73	1129	614	25.6	-78.8	57	81	7
72	209	512	1811	41.6	-165.2	57	78	532	538	74.8	1.4	80	74	7
72	209	522	1829	73.4	-163.2	81	73	546	600	30.5	3.5	43	83	7
72	210	1643	1749	-50.4	16.5	-64	101	1656	1757	-9.0	15.2	-36	90	2
72	212	403	552	-4.5	27.2	-29	96	417	559	-48.5	25.6	-64	105	2
72	215	630	1717	-69.4	161.8	-85	102	644	1733	-25.1	162.4	-53	89	7
72	216	441	533	-6.6	13.1	-31	101	453	540	-44.4	11.7	-62	107	2
72	216	949	1825	82.1	129.0	85	74	939	1741	50.6	120.4	66	72	2
72	216	949	1825	82.1	129.0	85	74	1012	528	25.0	-71.0	57	92	1
72	217	433	1735	41.9	-164.6	58	72	447	1915	85.9	-143.1	88	74	5
72	217	553	1712	-65.6	169.7	-83	100	608	1725	-18.0	169.4	-43	85	4
72	217	738	734	-86.5	-1.0	-75	106	753	1720	-45.6	141.7	-75	94	2
72	217	1049	523	27.4	-81.5	59	92	1057	527	2.1	-82.6	26	100	2
72	217	1104	529	-19.9	-83.6	-15	105	1115	537	-54.5	-84.5	-56	108	2
72	218	920	504	68.6	-64.0	83	80	934	519	24.5	-63.7	55	94	2
72	218	920	504	68.6	-64.0	83	80	934	519	24.5	-63.7	55	94	1
72	218	1915	523	-15.4	151.9	-43	105	1924	528	-43.7	150.9	-72	109	2
72	219	2245	1718	21.0	-81.7	52	73	2306	1953	87.1	-48.3	87	75	2
72	219	2245	1718	21.0	-81.7	52	73	2306	1953	87.1	-48.3	87	75	1
72	220	49	1725	53.9	-111.0	74	71	103	426	81.5	50.6	84	78	1
72	220	49	1725	53.9	-111.0	74	71	103	426	81.5	50.6	84	78	2
72	220	738	826	-87.5	11.9	-75	105	754	1707	-41.1	138.3	-72	89	2
72	238	118	349	26.7	37.7	34	114	129	354	-8.1	36.1	-35	124	5
72	242	1257	2005	88.0	107.0	87	82	1312	325	43.7	-146.8	62	111	2
72	245	119	1527	40.5	-148.1	59	55	134	1752	87.0	-115.5	88	82	2
72	253	643	222	70.5	-65.2	84	101	657	239	26.5	-64.5	57	131	5
72	258	604	158	71.7	-61.5	84	103	619	217	24.5	-60.6	54	137	4
72	258	749	1505	80.9	109.1	85	81	812	216	26.6	-89.0	58	136	3
72	258	1139	1903	88.1	110.9	87	88	1154	212	43.5	-145.5	62	125	4
72	269	1748	1316	-56.7	-67.9	-54	58	1759	1325	-21.9	-68.6	-15	30	1
72	271	1710	1308	-56.2	-60.6	-55	56	1717	1314	-34.0	-60.9	-33	37	1

72	271	1721	1316	-21.4	-61.4	-14	27	1733	1321	16.6	-63.1	47	28	1
72	272	556	120	-29.5	-69.0	-27	142	610	141	-74.0	-67.2	-68	102	1
72	273	638	118	-43.1	-80.0	-45	130	646	130	-68.5	-79.1	-65	107	1
72	274	511	108	-7.7	-60.8	11	158	525	116	-52.5	-62.2	-52	122	1
72	275	539	59	23.5	-70.0	55	155	549	103	-8.5	-71.4	10	159	1
72	279	1643	1240	-18.2	-60.9	-8	17	1654	1244	16.6	-62.5	47	25	1
72	280	510	40	-7.4	-67.4	12	162	525	50	-55.3	-68.8	-55	118	1
72	285	1641	1212	-21.9	-67.4	-14	15	1654	1217	19.1	-69.3	51	27	1
72	286	435	1249	78.7	123.4	84	87	459	9	25.0	-72.6	57	162	7
72	286	629	1252	79.7	95.8	84	88	650	7	33.6	-100.8	63	154	7
72	287	359	11	-26.0	-56.9	-22	146	414	32	-73.6	-55.4	-67	98	1
72	287	903	1457	87.3	88.4	87	96	918	2400	44.5	-139.6	64	144	4
72	287	1604	1203	-18.2	-60.2	-8	10	1615	1208	16.5	-61.9	46	25	1
72	301	809	1110	43.9	45.2	59	58	823	1405	87.5	85.6	87	101	4
72	305	326	2225	70.4	-75.2	85	123	340	2242	25.7	-74.5	57	161	6

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	305	521	2229	66.2	-103.1	84	127	530	2240	37.5	-102.6	66	153	6
72	305	1129	2247	-20.2	169.4	-44	142	1143	2259	-64.5	169.0	-83	101	6
72	307	248	2217	69.8	-67.8	84	124	325	2244	-48.3	-70.1	-49	115	3
72	309	404	2209	68.1	-88.8	84	125	409	2218	52.2	-87.8	78	139	2
72	309	415	2222	33.0	-88.2	64	154	417	2223	26.6	-88.4	58	158	2
72	311	325	2157	70.7	-81.9	84	123	351	2220	-12.4	-82.9	-1	144	6
72	312	404	2156	66.7	-91.9	85	127	416	2209	28.4	-91.7	59	155	2
72	313	247	2149	70.1	-74.5	85	124	300	2205	28.6	-73.8	60	154	2
72	313	442	2152	65.9	-102.4	84	128	452	2204	33.9	-102.1	63	151	2
72	314	121	1038	77.7	139.3	83	95	132	2147	67.1	-56.1	82	126	5
72	317	315	1032	80.1	109.4	85	99	325	2133	67.8	-88.1	85	126	5
72	321	158	1007	78.2	122.3	84	98	209	2116	66.6	-73.3	84	126	4
72	321	209	2116	66.6	-73.3	84	126	222	2129	25.1	-73.2	57	147	2
72	321	223	2130	21.9	-73.4	54	147	243	2139	-41.7	-76.0	-43	112	4
72	321	1511	950	69.6	-80.4	86	91	1519	2013	84.5	73.4	86	112	5
72	322	21	930	11.2	137.2	4	46	36	940	58.9	136.1	71	82	4
72	322	42	1002	78.0	140.1	83	98	54	2113	63.6	-55.1	80	128	4
72	322	119	2130	-16.1	-57.2	-5	131	131	2138	-54.0	-58.2	-53	102	5
72	322	131	2138	-54.0	-58.2	-53	102	137	2151	-72.7	-56.4	-66	86	4
72	322	236	1005	79.0	112.3	84	99	312	2130	-14.0	-85.6	-5	132	4
72	331	41	925	79.2	131.1	84	102	51	2028	68.7	-65.7	84	123	5
72	331	235	929	80.2	103.5	85	103	245	2029	67.7	-94.0	85	124	5
72	334	235	923	81.6	101.9	85	105	245	2016	66.3	-97.2	85	124	5
72	334	2324	901	77.3	144.3	83	102	2335	2011	67.5	-50.9	81	123	5
72	335	119	917	81.4	119.5	85	105	129	2012	66.5	-79.3	84	124	5
72	336	2	859	78.1	134.2	84	103	12	2004	69.9	-61.9	84	122	5
72	336	157	918	82.2	110.1	85	106	206	2005	68.9	-90.2	86	122	5
72	337	40	857	78.9	124.2	84	104	51	2003	65.9	-71.9	83	123	5
72	337	234	900	79.9	96.6	85	105	255	2014	33.1	-100.2	62	131	5
72	338	118	855	79.7	114.3	85	105	142	2012	23.8	-82.6	55	129	5
72	338	312	859	80.7	86.8	85	105	327	2005	51.3	-110.4	75	128	5
72	338	2018	1448	88.2	-82.5	88	111	2029	2001	54.7	-7.0	69	126	5
72	339	2	850	79.5	132.0	84	105	25	2007	27.2	-64.6	58	129	2
72	339	156	854	80.5	104.5	85	106	207	1955	64.3	-93.0	84	123	2
72	339	342	821	56.2	69.7	71	90	351	928	84.6	84.3	86	108	3

72	339	352	1105	87.4	108.2	87	110	406	2002	47.3	-121.0	70	128	2
72	339	533	817	47.7	41.1	63	85	546	1228	88.0	100.6	87	110	3
72	339	547	1738	87.1	177.6	87	112	559	2001	49.5	-149.5	66	127	2
72	339	721	813	29.5	13.1	41	74	745	1944	73.8	179.7	80	119	2
72	339	928	831	72.1	-14.2	80	100	936	1915	82.2	144.8	85	115	2
72	339	1117	820	57.2	-44.3	75	91	1129	1855	84.3	111.5	86	114	2
72	339	1259	811	19.9	-72.1	51	69	1322	1813	86.2	72.8	86	113	2
72	339	1456	812	30.5	-101.0	60	75	1517	1914	82.3	59.2	85	115	2
72	339	1707	942	85.5	-111.3	89	109	1721	1959	49.6	39.4	64	127	3
72	339	1902	1417	88.2	-71.3	88	111	1911	1954	61.3	10.6	73	124	3
72	339	1954	2033	-74.4	9.7	-70	78	1705	846	79.3	-124.7	87	105	2
72	339	1847	814	42.2	-158.4	59	82	1901	1008	86.4	-133.2	88	109	2
72	339	1911	1954	61.3	10.6	73	124	1920	2002	32.7	10.5	46	128	2
72	339	2043	815	49.7	173.0	62	87	2054	923	84.5	-172.8	87	108	2
72	339	2055	1052	87.3	-150.7	88	110	2104	1952	63.4	-18.0	75	123	3

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
72	339	2104	1952	63.4	-18.0	75	123	2113	2001	34.8	-17.9	52	128	2
72	340	40	849	80.3	122.2	85	106	104	2003	23.2	-75.3	55	127	2
72	340	234	853	81.3	94.9	85	106	254	2000	34.9	-103.4	63	128	2
72	340	419	815	53.8	59.0	69	90	429	937	85.4	77.1	86	109	3
72	340	430	1203	87.9	113.2	87	110	443	1956	49.7	-131.6	70	126	2
72	340	610	812	45.3	30.5	60	85	622	908	83.4	41.5	85	107	3
72	340	623	1003	86.3	54.9	84	109	637	1956	48.7	-160.1	64	127	2
72	340	758	808	27.2	2.5	38	74	800	809	33.6	2.3	47	78	2
72	340	810	820	65.5	2.6	75	97	816	919	84.4	15.8	85	108	3
72	340	817	1044	87.2	36.8	84	110	828	1953	57.2	171.3	68	125	2
72	340	1336	806	17.5	-82.6	48	69	1359	1554	87.9	28.9	87	111	2
72	340	1400	1829	85.5	67.2	84	113	1406	1946	66.7	85.1	78	122	3
72	340	1540	812	50.5	-112.1	74	88	1549	841	79.1	-107.0	89	105	2
72	340	1731	809	42.0	-140.5	62	83	1743	845	80.2	-134.6	87	106	2
72	340	1746	1345	88.2	-60.3	88	111	1759	1954	48.8	28.8	63	126	3
72	340	1925	809	43.0	-169.0	58	84	1939	1036	87.1	-135.7	88	110	2
72	340	1940	1548	88.0	-58.0	88	111	1948	1948	63.6	-.1	74	123	3
72	340	1947	1945	66.8	-.4	74	121	1955	1956	41.4	.2	57	127	2
72	340	2323	833	77.0	137.5	83	104	2346	1957	29.8	-57.2	58	127	2
72	341	118	848	81.1	112.5	85	106	141	1958	25.6	-85.9	57	126	2
72	341	508	1329	88.2	125.3	87	111	518	1949	58.4	-142.4	74	124	2
72	341	644	805	33.3	20.2	44	78	715	1952	47.9	-170.8	62	126	2
72	341	836	804	28.0	-8.1	41	75	858	1910	81.6	153.0	85	115	2
72	341	1040	812	61.0	-36.9	74	95	1050	1750	86.6	105.1	87	113	2
72	341	1223	803	26.9	-65.1	58	75	1245	1902	82.7	94.2	85	115	2
72	341	1428	813	63.1	-93.8	83	96	1439	1909	81.7	67.4	85	115	2
72	341	1616	806	45.0	-122.6	68	85	1628	858	83.0	-112.4	89	108	2
72	341	1629	947	86.0	-100.6	89	109	1642	1949	52.2	46.7	67	125	3
72	341	1808	804	39.6	-151.0	58	82	1820	832	77.8	-147.1	85	105	2
72	341	1823	1022	86.9	-120.3	88	110	1837	1950	48.0	18.2	63	126	3
72	341	2004	805	47.1	-179.7	60	87	2016	923	85.0	-163.3	87	109	2
72	341	2017	1123	87.7	-133.6	88	110	2028	1946	56.5	-10.4	70	124	3
72	341	2028	1946	56.5	-10.4	70	124	2036	1953	31.1	-10.7	46	126	2
72	345	1900	935	86.2	-141.4	88	110	1910	1926	61.5	4.0	73	121	5
72	349	416	732	48.7	49.1	64	93	428	928	86.5	74.9	86	110	6

72	356	1422	659	51.4	-110.7	75	100	1436	1742	83.8	46.4	85	113	6
72	356	1819	741	81.9	-159.5	84	110	1830	1835	63.0	1.2	74	114	5
72	356	2359	725	78.8	111.5	84	109	2359	725	78.8	111.5	84	109	5
72	357	0	740	81.9	114.9	85	110	22	1844	28.3	-84.5	60	109	5
72	357	1119	709	72.4	-62.5	85	107	1127	1754	82.0	96.7	85	113	5
72	357	2243	720	78.6	129.2	84	109	2307	1840	25.4	-66.7	57	108	5
72	358	37	723	79.6	101.5	84	110	100	1840	27.5	-95.1	58	108	5
72	358	2127	715	78.3	147.0	83	109	2147	1834	38.3	-48.3	63	110	5
72	358	2321	718	79.4	119.2	84	110	2345	1836	24.6	-77.3	56	106	5
73	10	232	1449	87.1	-175.9	88	110	245	1713	46.8	-143.0	65	96	6
73	12	153	1038	88.2	131.2	87	110	208	1705	43.1	-135.8	64	93	5
73	12	1302	518	48.6	-116.1	72	115	1314	658	86.0	-93.9	89	111	6
73	12	1507	620	84.1	-131.7	88	111	1522	1701	48.5	24.7	63	95	6
73	13	1140	509	29.3	-97.7	59	114	1201	1554	84.1	58.2	85	108	7
73	13	1338	512	43.1	-126.6	64	115	1351	613	83.8	-114.4	89	111	6

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
73	14	1609	506	41.7	-165.7	57	116	1623	636	85.5	-146.8	88	111	6
73	25	403	416	27.7	3.1	39	125	428	1547	73.6	169.7	80	98	7
73	25	1530	416	43.4	-168.4	58	124	1544	630	86.8	-138.5	88	108	7
73	28	1143	404	45.8	-114.7	70	126	1155	459	83.3	-103.9	89	110	6
73	28	1335	402	40.6	-143.2	60	127	1350	630	87.1	-110.0	88	108	6
73	28	1530	403	44.8	-171.7	59	126	1544	736	87.8	-121.9	88	107	6
73	31	402	348	27.2	-3.5	39	131	424	1441	83.3	154.3	86	102	7
73	31	1143	351	47.2	-118.1	71	127	1156	632	87.3	-81.1	88	107	6
73	35	440	330	29.5	-17.5	45	134	450	339	61.0	-17.8	74	123	7
73	35	1215	331	43.1	-132.0	65	131	1233	532	86.6	-105.4	89	107	6
73	35	1412	330	41.0	-160.4	58	132	1427	619	87.4	-122.1	88	106	6
73	55	744	157	21.3	-86.9	52	153	758	209	65.3	-87.1	84	121	5
73	55	744	157	21.3	-86.9	52	153	806	852	88.1	11.5	87	98	7
73	71	434	45	26.7	-57.3	54	155	446	56	64.5	-57.4	81	118	2
73	71	1622	1218	71.2	-61.1	84	74	1636	1235	26.7	-60.2	56	30	2
73	72	510	39	21.2	-67.7	52	160	523	50	62.2	-68.2	81	120	2
73	72	705	40	25.4	-96.4	55	156	720	59	72.6	-95.2	87	110	2
73	72	1700	1214	70.4	-71.5	85	73	1713	1230	29.1	-70.7	60	32	2
73	73	357	36	30.4	-50.2	57	151	407	46	61.9	-50.3	78	120	2
73	73	547	34	18.8	-78.2	50	163	601	46	63.0	-78.8	83	119	2
73	73	1739	1213	66.5	-81.5	85	68	1745	1222	47.4	-80.8	75	49	2
73	74	433	31	24.9	-60.6	55	157	446	44	65.9	-60.6	82	116	2
73	74	626	30	22.7	-89.0	53	159	640	44	66.9	-89.0	85	115	2
73	74	1621	1202	72.9	-64.8	85	74	1636	1222	25.1	-63.6	56	27	2
73	74	1815	1203	71.8	-93.1	87	73	1829	1221	27.3	-92.0	58	29	2
73	75	509	25	19.5	-70.9	51	162	523	37	63.6	-71.4	82	118	2
73	75	706	27	30.0	-99.9	59	151	717	38	64.7	-99.8	84	117	2
73	75	1659	1158	72.1	-75.2	86	73	1714	1217	24.3	-74.2	56	25	2
73	75	1855	1205	64.7	-102.6	83	66	1904	1215	36.0	-102.3	64	37	2
73	76	356	22	28.7	-53.4	54	152	407	33	63.4	-53.5	80	118	2
73	76	547	21	20.2	-81.6	52	161	602	36	67.6	-81.6	85	113	2
73	76	1543	1153	72.3	-57.4	84	73	1556	1212	30.9	-56.1	59	32	2
74	81	142	2008	22.0	-83.4	53	117	154	2018	60.1	-84.0	82	104	3
73	91	2033	2259	-46.8	36.5	-65	136	2045	2305	-9.1	35.1	-37	164	2
73	92	823	2311	41.6	-138.1	62	132	837	43	85.7	-118.4	89	89	5

73	118	1058	2054	-55.5	149.1	-81	126	1111	2103	-14.4	148.0	-42	137	5
73	157	2214	1754	-56.0	-65.1	-55	107	2225	1801	-20.9	-65.9	-13	98	4
73	157	2238	1807	20.7	-67.8	52	83	2301	414	86.1	78.3	86	69	4
73	160	2238	1753	22.1	-71.1	54	79	2301	428	84.9	81.7	86	69	2
73	162	1827	1800	68.1	-6.7	77	68	1838	510	77.2	158.0	82	70	5
73	170	833	448	69.7	-56.3	83	75	845	503	32.0	-55.5	60	90	4
73	170	2121	1708	23.1	-63.2	54	69	2144	352	84.2	92.1	86	70	4
73	171	902	1800	82.6	134.4	84	67	925	459	24.9	-66.4	56	94	4
73	171	936	504	-10.0	-68.0	7	108	949	512	-51.3	-69.3	-51	116	4
73	171	1056	1808	83.6	108.1	84	67	1117	458	30.2	-94.7	60	92	4
73	171	2133	1648	-59.0	-71.2	-58	101	2146	1658	-17.6	-72.0	-7	82	4
73	171	2158	1703	20.7	-73.7	52	68	2221	301	86.4	70.0	86	69	4
73	171	2355	1704	31.3	-102.7	60	66	2358	1706	40.8	-103.0	68	64	4
73	172	0	1708	47.1	-103.1	73	63	4	1712	59.7	-102.9	81	63	4
73	172	9	1728	75.3	-100.4	88	65	15	326	85.4	47.8	86	70	4

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		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
73	173	822	1725	77.0	135.8	83	65	845	449	30.7	-58.9	60	93	4
73	173	1018	1805	84.1	116.8	86	67	1041	450	23.3	-87.7	54	97	4
73	173	2055	1640	-58.4	-63.9	-57	99	2106	1648	-23.4	-64.5	-17	83	4
73	173	2120	1654	21.3	-66.5	52	66	2143	307	85.9	80.9	86	70	4
73	173	2315	1654	25.5	-95.2	55	65	2338	359	81.9	65.3	85	71	4
73	176	2120	1641	22.6	-69.9	54	62	2133	1652	63.6	-70.2	82	61	4
73	179	857	427	-10.2	-67.4	7	117	911	436	-54.8	-68.7	-54	122	4
73	179	2054	1612	-58.7	-70.5	-57	96	2105	1621	-23.7	-71.1	-18	77	4
73	179	2119	1627	20.8	-73.1	52	60	2142	225	86.3	70.8	86	70	4
73	191	1641	337	-45.8	164.1	-72	132	1656	1336	-86.2	-50.0	-74	108	5
73	191	1834	336	-43.6	135.6	-74	132	1850	1400	-85.3	-72.6	-74	108	5
73	192	2001	1527	19.8	-68.5	51	46	2013	1536	57.5	-69.3	79	51	4
73	200	1924	1452	26.1	-68.1	57	37	1935	1501	60.7	-68.5	81	50	4
73	209	827	148	70.7	-99.7	86	89	839	204	32.7	-98.7	62	122	5
73	211	1842	1400	18.2	-70.4	50	26	1856	1412	62.3	-71.1	82	49	4
73	212	623	1429	77.9	121.6	84	62	659	157	-12.6	-75.5	1	154	4
73	212	827	136	69.4	-102.7	85	91	838	150	34.4	-101.9	63	123	5
73	251	1420	2254	12.0	128.5	8	156	1434	2300	-32.4	126.6	-65	149	6
73	271	354	2111	65.0	-100.9	84	111	404	2121	33.3	-100.7	62	133	5
73	287	1328	814	20.1	-78.6	52	60	1340	823	58.4	-79.3	81	79	4
73	288	120	1953	64.7	-81.6	84	111	133	2006	23.7	-81.8	55	124	4
73	288	1251	2001	36.3	107.6	51	122	1303	2007	-1.6	106.0	-22	123	4
73	290	42	1945	63.9	-74.3	83	111	55	1957	23.0	-74.6	55	123	4
73	290	54	1956	26.1	-74.4	58	123	107	2002	-14.9	-76.3	-3	118	5
73	293	421	1551	87.9	172.6	88	100	434	1937	47.9	-134.2	68	116	4
73	293	615	1704	87.2	162.3	87	100	628	1937	46.9	-162.7	62	116	4
73	297	1211	728	21.4	-70.6	53	72	1224	740	62.7	-71.1	82	89	4
73	302	421	1748	84.4	-158.1	87	104	433	1856	47.0	-144.2	65	112	6
73	303	458	1655	86.5	179.2	87	103	511	1852	46.1	-154.8	63	111	4
73	303	1604	704	42.4	-135.0	64	86	1617	759	83.2	-124.4	88	100	4
73	356	1135	306	55.5	-127.2	74	134	1149	1413	80.2	36.0	83	105	6
73	356	1330	308	59.6	-155.6	72	132	1344	1426	76.1	10.4	81	102	6
73	357	58	328	78.3	37.6	82	120	109	1436	66.8	-158.2	77	95	7
73	357	58	328	78.3	37.6	82	120	110	1438	63.6	-157.9	75	92	3
73	357	100	409	84.4	47.3	85	116	110	1438	63.6	-157.9	75	92	6

73	357	1018	301	52.1	-109.3	75	136	1032	1346	83.5	48.6	85	108	6
73	365	1129	221	40.7	-137.1	62	147	1142	304	81.6	-129.5	87	119	7
73	365	1143	333	84.6	-122.4	89	116	1157	1405	50.6	32.1	65	78	6
74	1	1207	216	41.6	-147.7	60	148	1220	306	82.5	-138.6	87	118	7
74	1	1222	620	88.0	-90.5	88	113	1235	1401	49.6	21.5	64	77	6
74	21	747	57	67.9	-102.5	85	131	755	1048	86.1	43.2	86	106	4
74	21	933	46	43.6	-131.9	65	155	947	334	87.4	-93.1	88	111	4
74	21	1126	45	41.4	-160.3	58	158	1140	215	85.6	-141.2	88	114	4
74	21	1323	47	52.0	171.1	64	147	1334	243	86.5	-162.7	88	112	4
74	23	858	40	53.7	-124.6	74	145	912	1141	81.5	37.2	84	101	4
74	23	1048	36	42.1	-153.0	60	157	1102	222	86.2	-129.9	88	112	4
74	30	552	17	68.3	-83.9	85	129	600	1018	85.7	64.5	86	104	7
74	45	735	2256	41.8	-129.8	64	146	749	39	86.1	-107.5	89	107	5
74	49	622	2241	52.8	-115.3	75	134	635	859	85.4	35.9	86	98	6
74	50	700	2236	53.7	-125.9	74	133	714	937	81.5	35.8	84	94	6

DEPARTMENT OF COMMUNICATIONS
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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
74	51	734	2228	41.8	-136.4	63	141	748	9	86.0	-114.7	89	105	5
74	59	301	2149	20.9	-78.1	52	142	323	547	87.9	36.0	87	98	4
74	74	300	2041	25.4	-94.8	56	124	312	2052	63.5	-95.0	83	108	5
74	80	1815	2015	46.2	29.9	61	110	1829	303	88.1	128.5	87	91	6
74	82	2314	2002	34.4	-48.1	60	112	2323	2011	62.8	-48.0	79	102	3
74	83	103	1959	19.5	-76.0	51	115	117	2011	63.9	-76.4	83	101	5
74	94	422	1916	55.0	-136.5	72	95	436	620	80.8	25.9	83	84	4
74	172	612	1352	80.7	115.1	85	58	635	104	25.8	-82.7	57	129	4
74	205	1503	1032	-21.7	-67.7	-14	48	1516	1038	20.0	-69.6	51	22	4
74	208	243	2220	23.0	-65.6	54	130	256	2226	-18.0	-67.5	-8	155	4
74	211	1501	1004	-25.0	-74.2	-20	53	1514	1010	16.7	-76.1	48	29	4
74	213	139	1032	76.9	133.3	83	60	149	2139	71.4	-62.5	84	87	6
74	217	1917	959	69.6	-139.6	81	57	1924	1833	87.5	-12.8	87	74	4
74	227	305	2041	64.0	-95.9	84	93	318	2053	23.1	-96.2	53	120	5
74	232	1514	835	27.5	-99.8	57	52	1526	847	65.4	-99.7	84	63	4
74	233	302	2008	70.6	-103.5	84	88	317	2026	23.5	-102.8	52	115	4
74	233	1555	832	37.8	-110.7	65	54	1601	838	56.8	-110.8	78	60	4
74	237	1435	812	26.4	-95.7	54	57	1447	824	64.3	-95.9	84	66	4
74	239	304	757	2.3	73.3	-14	62	314	802	34.1	72.0	49	61	4
74	247	213	715	-35.5	75.5	-65	80	235	725	34.4	72.6	49	69	4
74	248	1354	2033	-84.6	99.9	-78	100	1407	704	-53.8	-105.9	-60	86	4
74	252	151	1854	46.7	-104.2	73	95	157	1858	27.7	-104.7	56	100	4
74	254	106	1835	68.1	-97.8	85	89	120	1850	24.0	-97.6	53	99	4
74	257	56	730	81.7	98.5	85	84	119	1836	25.7	-100.8	55	97	4
74	258	146	1822	59.6	-111.0	80	90	154	1830	34.4	-111.1	61	95	4
74	259	1317	632	30.1	-101.2	59	82	1328	643	64.6	-101.2	83	83	4
74	262	27	1759	67.8	-97.1	85	89	39	1812	29.9	-96.7	60	92	6
74	262	17	701	80.6	101.0	85	86	39	1812	29.9	-96.7	60	92	4
74	262	930	619	32.5	-47.6	58	85	950	1659	84.4	107.2	86	87	6
74	262	1317	619	31.5	-104.6	60	85	1327	628	62.8	-104.7	82	86	4
74	271	27	1721	63.5	-106.6	82	88	37	1731	31.8	-106.6	60	86	4
74	271	1317	538	35.7	-114.7	69	95	1322	542	51.4	-115.0	74	94	4
74	275	1157	518	24.2	-99.7	53	100	1210	530	65.1	-99.9	84	96	4
74	275	2351	1702	55.1	-102.3	78	86	2358	1708	32.8	-102.6	62	83	4
74	277	28	1656	57.3	-112.9	78	86	36	1703	31.9	-113.2	59	82	4

74	278	1159	506	32.0	-103.4	61	103	1209	516	63.5	-103.3	83	99	4
74	278	2228	1706	-44.6	-80.5	-47	78	2234	1714	-63.6	-80.1	-62	81	4
74	278	2248	436	-72.1	87.0	-79	91	2259	453	-37.5	88.6	-69	98	4
74	290	1001	410	23.9	-87.9	55	117	1014	422	65.0	-88.0	84	108	5
74	296	1946	416	79.4	127.6	84	106	2010	1534	24.0	-69.1	55	65	4
74	296	2140	420	80.4	100.1	85	105	2204	1533	22.9	-97.6	52	65	4
74	297	653	339	32.0	-48.4	58	124	703	350	63.6	-48.4	79	114	4
74	297	843	337	20.3	-76.5	52	125	853	344	52.0	-77.3	77	119	4
74	297	900	400	74.1	-75.0	87	109	907	1430	83.4	80.8	85	97	4
74	297	2218	420	81.3	90.5	85	105	2240	1528	28.4	-108.0	56	67	4
74	298	11	410	79.2	59.8	83	107	24	1519	59.4	-136.2	75	83	4
74	298	1627	309	-69.1	160.6	-84	91	1643	326	-18.9	160.7	-46	118	4
74	299	1946	409	80.9	125.8	85	107	2009	1520	25.6	-72.3	57	64	4
74	299	2140	415	81.9	98.7	85	106	2203	1519	24.6	-100.9	53	64	6
74	335	416	46	33.8	-52.5	60	164	434	857	87.8	65.6	87	110	5

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VAL
74	336	644	39	22.9	-91.2	59	170	657	51	64.4	-91.4	84	137	5
74	337	529	35	25.9	-73.4	57	170	551	1125	83.6	83.6	86	106	5
74	337	729	39	46.1	-102.5	72	155	745	1134	82.6	57.3	85	105	5
74	337	926	42	56.8	-130.9	75	145	940	1155	78.5	33.7	82	101	6
74	339	450	26	23.4	-66.0	54	173	505	44	71.2	-65.2	84	131	4
74	340	338	24	36.0	-48.6	61	165	354	225	86.5	-22.3	87	115	4
74	340	2056	120	83.4	65.9	85	119	2111	1207	48.7	-136.1	68	71	5
74	340	2249	103	81.4	33.6	84	121	2256	1145	76.1	-167.7	82	99	5
74	341	40	38	73.0	-.4	80	129	54	1200	62.4	166.6	72	85	5
74	341	814	34	70.8	-115.0	85	132	823	1130	80.3	46.7	84	103	6
74	345	2016	31	79.4	63.9	84	124	2030	1141	56.1	-132.1	74	79	6
74	347	613	2355	50.6	-94.6	74	153	627	1028	84.5	60.3	86	108	6
74	347	1355	10	73.9	153.7	80	129	1409	1131	61.6	-39.5	77	85	6
74	348	848	2355	62.1	-133.3	77	141	902	1116	73.4	33.6	80	97	6
74	348	1042	2355	63.1	-161.8	74	140	1057	1121	69.2	6.0	77	93	6
74	350	808	2343	56.4	-126.3	75	147	821	1038	82.1	34.3	84	106	6
74	358	1513	40	85.9	141.7	87	117	1521	1035	68.3	-71.4	84	93	6
75	128	341	25	59.4	-49.0	77	103	349	32	34.1	-49.2	60	128	5
75	129	611	17	63.8	-88.4	84	99	614	22	54.4	-88.0	79	108	5
75	129	619	26	38.6	-88.2	68	124	622	28	29.1	-88.5	60	133	5
75	157	259	2213	58.6	-71.6	80	96	310	2221	24.0	-72.2	56	127	5
75	158	340	2212	48.4	-82.1	75	105	348	2217	23.2	-82.8	55	127	5
75	175	1346	903	19.6	-70.9	51	43	1356	909	51.2	-71.7	76	44	4
75	177	1310	855	26.6	-63.9	57	44	1321	904	61.2	-64.2	80	49	4
75	178	1348	850	27.5	-74.5	59	45	1359	900	62.1	-74.7	82	50	4
75	186	1307	813	21.4	-73.6	52	55	1318	821	56.0	-74.4	79	53	5
75	188	1230	804	25.1	-66.5	56	56	1242	815	62.9	-66.8	81	56	4
75	190	1153	756	28.9	-59.3	58	57	1204	806	63.4	-59.5	81	57	5
75	190	1346	755	26.8	-87.8	58	58	1357	805	61.3	-88.1	82	57	5
75	192	203	830	80.8	96.7	85	63	214	1929	64.4	-101.3	83	78	4
75	199	1151	714	26.8	-69.2	58	67	1202	724	61.4	-69.6	81	63	5
75	200	1229	709	27.6	-79.9	59	68	1240	720	62.2	-80.1	83	64	4
75	205	1150	646	26.4	-75.9	58	74	1201	656	61.0	-76.2	82	68	4
75	209	1034	629	27.6	-61.4	57	78	1045	639	62.2	-61.6	80	70	4
75	211	1149	619	26.2	-82.5	58	81	1200	628	60.9	-82.9	82	72	4

75	279	1248	104	6.6	-175.9	6	162	1258	109	38.7	-177.2	53	143	6
75	309	319	2251	20.1	-67.1	51	165	330	2258	55.0	-67.9	78	140	5
75	310	356	2246	17.8	-77.6	49	165	407	2253	52.6	-78.5	78	142	5
75	314	240	2228	19.0	-63.1	49	160	254	2240	63.2	-63.6	81	133	5
75	314	436	2228	26.4	-91.9	57	159	446	2236	58.0	-92.4	81	137	5
75	326	448	2150	69.9	-104.5	85	127	457	840	81.7	55.7	84	105	7
75	333	0	846	59.3	131.6	72	89	11	855	24.5	131.1	32	63	5
75	333	137	2117	68.2	-65.1	83	128	146	756	83.2	92.5	86	108	5
75	333	723	2204	83.6	-139.8	88	117	734	844	61.5	17.5	73	91	6
75	337	600	2054	63.0	-136.6	77	129	612	801	79.1	27.3	83	106	7
75	337	952	2112	77.6	169.9	83	121	1003	821	67.7	-25.6	78	98	7
75	343	2109	2024	64.8	-11.2	75	126	2121	736	77.3	153.8	83	107	7
75	346	1726	2036	79.7	47.5	83	119	1737	740	65.4	-149.3	77	101	6
75	347	1029	2032	79.5	150.8	84	119	1040	736	65.6	-45.9	79	102	7
75	347	1223	2036	80.6	123.3	85	119	1247	749	23.2	-74.5	55	77	7

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ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
75	347	1806	2155	86.5	57.2	84	116	1814	733	67.8	-160.2	77	103	6
76	6	1038	550	59.7	-72.0	81	112	1049	559	24.6	-72.5	56	102	5
76	14	1153	514	58.2	-99.8	80	116	1201	521	32.6	-100.0	62	112	5
76	16	1115	505	57.4	-92.4	80	117	1123	512	31.8	-92.7	62	114	5
76	21	2322	1655	27.0	-96.7	57	82	2235	504	-59.1	97.2	-80	82	5
76	53	2045	1429	26.1	-94.0	54	48	2056	1439	61.2	-94.4	82	76	5
76	244	622	2357	28.6	-96.2	58	143	630	3	53.8	-96.7	78	118	5
76	265	627	2227	54.5	-119.9	75	122	634	2247	76.4	-116.7	87	103	6
76	266	307	2216	21.8	-72.7	53	147	331	917	82.6	86.5	85	85	6
76	266	512	2224	57.4	-102.0	80	120	523	722	87.3	29.7	87	89	6
76	357	1130	239	78.4	-132.7	84	122	1146	311	28.1	-128.8	52	138	6
77	10	435	134	63.3	-45.1	78	136	442	143	41.3	-44.9	64	153	6
77	10	626	127	71.6	-74.8	84	129	637	143	37.1	-73.5	67	155	6
77	10	820	128	70.6	-103.1	84	130	832	143	33.0	-102.1	62	157	6
77	12	1646	1342	33.3	-45.9	58	58	1655	1351	61.7	-46.0	78	85	6
77	12	1838	1341	28.0	-74.3	59	53	1849	1351	62.8	-74.4	82	86	6
77	12	1903	113	73.2	92.5	82	128	1915	132	35.6	94.2	51	158	5
77	12	2033	1341	32.2	-102.9	61	57	2043	1352	63.8	-102.9	83	87	6
77	13	629	122	60.8	-76.8	82	139	643	133	16.7	-77.6	48	161	5
77	13	820	115	69.1	-106.2	85	131	832	130	31.5	-105.5	60	161	6
77	14	510	110	70.4	-60.0	83	130	526	128	20.1	-59.5	49	163	5
77	14	703	107	72.5	-89.0	87	128	715	125	34.8	-87.5	65	160	6
77	14	1803	1334	38.2	-67.3	67	62	1813	1348	69.7	-66.3	84	92	5
77	14	1952	1331	23.4	-95.3	53	48	2003	1339	58.2	-95.9	81	81	5
77	17	509	54	72.1	-63.7	85	128	526	114	18.6	-62.9	49	166	6
77	17	703	55	71.0	-92.0	87	129	715	112	33.4	-90.9	64	162	6
77	17	1609	1321	38.7	-42.1	61	61	1615	1326	57.6	-42.2	75	79	6
77	17	1756	1317	17.6	-69.8	49	41	1812	1332	68.1	-69.9	84	89	5
77	18	355	56	66.0	-44.7	79	134	404	107	37.7	-44.3	61	160	6
77	18	751	106	38.8	-101.3	67	159	755	108	26.2	-101.7	55	167	6
77	18	1643	1314	26.9	-52.3	54	49	1655	1325	64.7	-52.4	80	86	5
77	18	1834	1312	18.4	-80.5	49	41	1849	1326	65.8	-80.8	84	87	5
77	18	2033	1314	35.3	-109.6	63	57	2040	1321	57.4	-109.8	78	78	6
77	19	434	54	62.0	-55.0	79	138	446	104	24.2	-55.4	52	168	6
77	19	624	43	73.5	-85.3	87	127	642	105	16.9	-84.2	47	168	5

77	19	1918	1311	38.3	-91.8	68	59	1927	1322	66.6	-91.3	85	87	6
77	20	508	38	73.7	-67.5	86	126	525	100	20.2	-66.2	51	170	6
77	20	1757	1304	22.3	-73.4	54	43	1811	1317	66.4	-73.4	84	87	5
77	20	1954	1305	32.8	-102.3	61	54	2004	1315	64.3	-102.2	83	85	6
77	21	546	35	72.8	-77.8	86	127	604	56	16.2	-77.0	47	170	5
77	21	1641	1259	22.1	-55.4	50	43	1652	1307	56.8	-56.2	77	77	6
77	21	1833	1258	16.8	-83.7	47	37	1849	1313	67.2	-84.0	85	87	6
77	24	353	26	69.3	-51.8	89	130	407	41	25.3	-51.4	52	172	5
77	24	545	18	74.5	-81.7	87	124	603	42	17.9	-80.2	49	174	5
77	24	741	27	67.3	-108.5	84	132	752	40	32.7	-108.1	60	166	6
77	24	1639	1245	17.2	-58.6	46	36	1654	1258	64.5	-59.1	81	83	5
77	24	1832	1244	15.1	-87.0	44	34	1844	1252	53.0	-88.1	78	72	6
77	24	1733	43	-7.5	107.6	-33	153	1748	53	-55.3	106.2	-81	106	5
77	25	432	24	65.4	-61.9	89	133	446	37	21.2	-62.2	51	175	6
77	25	1725	1245	43.4	-70.1	71	62	1733	1256	68.4	-69.2	84	87	5

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COMMUNICATIONS RESEARCH CENTRE

ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
77	25	1917	1243	38.1	-98.5	67	57	1926	1254	66.4	-98.0	84	85	6
77	156	649	242	17.9	-61.8	48	124	652	243	27.4	-62.2	57	117	6
77	328	1114	107	72.6	-151.7	81	127	1125	125	37.9	-150.0	57	154	7
77	336	1031	2339	84.4	-163.1	87	118	1043	46	46.8	-149.2	64	154	6
77	338	2251	1249	40.4	-150.6	59	64	2302	1310	74.9	-148.1	83	98	7
77	346	2212	1212	41.1	-149.9	59	64	2223	1235	75.7	-147.1	83	99	7
78	14	714	2017	84.7	-164.1	87	114	726	2130	46.7	-149.0	64	138	7
78	16	1350	931	29.9	-64.6	60	64	1401	943	64.9	-64.5	82	90	7
78	16	1937	935	49.0	-150.6	66	78	1948	1034	83.8	-138.4	88	105	7
78	17	1428	927	30.8	-75.3	62	65	1438	937	62.7	-75.3	82	89	7
78	18	1506	922	31.7	-85.9	62	67	1517	935	66.8	-85.5	85	92	7
78	19	58	2052	72.8	-61.4	85	120	110	2111	34.6	-59.8	63	136	7
78	20	136	2048	72.1	-71.9	86	120	148	2106	33.8	-70.5	64	135	7
78	21	213	2040	74.3	-83.2	87	118	225	2101	36.1	-81.0	66	134	7
78	159	316	2237	20.4	-69.8	51	131	331	2252	68.1	-69.7	84	88	6
78	160	352	2231	15.0	-80.2	45	135	409	2248	69.1	-80.1	85	87	6
78	162	1507	1002	65.4	-76.2	84	47	1519	1014	27.1	-76.2	58	26	6
78	163	352	2218	16.7	-83.5	47	132	409	2237	70.8	-83.1	86	85	6
78	163	1545	958	64.5	-86.7	84	46	1558	1010	23.0	-86.9	54	27	6
78	165	314	2209	17.5	-76.3	49	130	330	2225	68.5	-76.2	85	86	6
78	166	1542	937	72.2	-91.3	87	53	1557	956	24.5	-90.2	55	30	6
78	167	238	2201	24.5	-69.3	56	123	249	2210	59.6	-69.7	80	94	6
78	173	1237	918	54.2	-49.7	74	44	1244	924	31.9	-50.1	58	37	6
78	173	1427	912	65.8	-78.8	84	51	1438	924	30.8	-78.6	62	37	6
78	173	1621	912	64.8	-107.2	83	50	1630	922	36.1	-107.0	64	38	6
78	174	1309	901	72.3	-62.1	84	55	1317	916	46.9	-60.3	71	42	7
78	177	312	2114	18.0	-89.5	48	120	328	2131	69.1	-89.3	86	83	6
78	178	1346	842	72.7	-76.1	86	57	1404	903	15.6	-75.2	46	45	6
78	179	233	2105	15.6	-82.1	44	120	250	2123	69.9	-81.8	86	82	6
78	180	1310	840	65.6	-67.5	83	54	1319	851	37.0	-67.1	66	45	7
78	184	1345	849	72.6	-74.1	86	57	1401	909	21.9	-73.0	53	42	6
78	187	1344	833	74.0	-77.8	87	59	1401	856	20.2	-76.4	51	46	6
78	188	39	2059	19.8	-55.0	47	117	55	2117	70.9	-54.4	83	82	6
78	189	116	2054	17.5	-65.5	48	117	132	2110	68.6	-65.5	84	83	6
78	190	1344	822	72.3	-80.6	87	59	1400	842	21.7	-79.6	53	49	6

78	192	115	2040	16.1	-68.8	47	115	131	2055	67.2	-69.0	83	84	6
78	192	1304	802	77.7	-75.5	88	63	1322	833	20.9	-72.3	52	51	6
78	194	1228	806	70.7	-65.6	84	60	1244	824	20.1	-65.1	51	53	6
78	195	1305	723	73.1	-85.4	87	64	1321	744	22.6	-84.2	54	62	6
78	200	1225	653	76.8	-82.9	88	68	1245	723	13.8	-80.6	44	69	6
78	203	35	1915	15.8	-79.9	46	98	52	1933	70.0	-79.7	86	78	6
78	204	1109	639	75.3	-67.6	86	69	1126	704	21.8	-65.6	52	72	6
78	206	1224	626	76.6	-89.4	88	71	1243	655	16.8	-87.0	47	75	6
78	207	2356	1852	15.3	-75.9	46	94	2359	1854	24.9	-76.3	56	91	6
78	208	0	1854	28.1	-76.4	59	90	15	1919	75.7	-74.0	87	76	6
78	282	2201	1311	25.8	-132.6	48	38	2212	1320	60.6	-133.0	76	70	7
78	283	2240	1308	38.9	-142.9	59	49	2251	1327	73.7	-140.9	83	82	7
79	15	1925	1631	83.8	-43.5	87	108	1929	1717	71.5	-32.9	81	105	7
79	200	849	317	67.6	-83.1	85	86	900	330	32.6	-82.6	63	109	7
79	205	811	256	64.7	-78.7	84	90	821	307	32.9	-78.5	63	113	7

DEPARTMENT OF COMMUNICATIONS
COMMUNICATIONS RESEARCH CENTRE

ISIS II INDEX OF REAL HEIGHT PROFILES

		BEGINNING						END						
YR	DAY	GMT	LMT	LAT	LONG	DIP	CHI	GMT	LMT	LAT	LONG	DIP	CHI	VOL
79	207	733	248	63.8	-71.3	82	92	744	259	28.7	-71.4	59	118	7
79	212	654	225	64.1	-67.3	82	94	705	236	29.0	-67.3	59	122	7
79	213	731	219	66.3	-78.1	84	93	742	231	31.2	-77.8	62	121	7
79	215	653	211	64.9	-70.6	83	95	704	222	29.8	-70.5	60	124	7
79	225	1824	1342	29.6	-70.4	60	26	1835	1353	64.5	-70.4	83	53	7
79	234	1821	1300	25.0	-80.2	56	18	1832	1309	60.0	-80.6	82	50	7
79	239	1741	1237	21.5	-76.0	53	14	1752	1245	56.6	-76.7	79	48	7

```
  INDEX  END OF JOB
*STOP* 0
```

999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC999
999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC99999CRC999

```
16:12 JUL 09,'80 ID=0D6A     2842O1E
ELAPSED JOB TIME                C0:13:00
PARTITION NUMBER                       1
TOTAL CPU TIME                    2.2541
  PROCESSOR EXECUTION TIME         .1385
  PROCESSOR SERVICE TIME           .0340
  USER EXECUTION TIME             1.9832
  USER SERVICE TIME                .0983
CARDS:  CARDS READ                 1314
PAGES:  PROCESSOR PAGES              30
        USER PAGES                  101
CORE:   PEAK CORE(PAGES)             51
        PAGE.MINUTES              73.8744
I/O:    OPERATIONS                  522
        CALS                       6877
FILE SPACE
  AVLBL RAD PERMANENT              9999
  PEAK DISK TEMPORARY                 2
  AVLBL DISK PERMANENT              672
NUMBER OF SWAPS                       5
RESOURCES ALLOCATED
  C0= 50(PAGES)
CHARGES                  $        18.58
```

```
      ISIS II   N(H) PROFILES  -  VOLUME 1                                   TP-00  REC      1. LENGTH    80

4XT 82 6 71  98 2227/48                  94.187E11 17  .92  -65.4  65.70 83          9133.92   1369.36  REC      2. LENGTH   420
   10322.19   -400.34  12410.54  -148.09  16074.56    73.94  21098.97    94.58  32946.16     46.59
   52481.74     45.13  83682.76    53.18 117041.11    17.42 156401.71     2.32 195644.62     43.08       D-13732
  224569.80     16.50 238476.05  -120.40 299935.56     9.93 346594.51   -91.04 377235.04   -639.04
  389640.40  -4163.99                                                                                  4/8/71
                                                                                                       10/13/72
4XT 82 6 71  98 2228/ 2                  93.547E11 17  .92  -65.3  64.96 83          8190.30   1369.18  REC      3. LENGTH   420
    9337.43   -434.28  11509.99   -35.21  15093.34    33.53  20004.81   127.47  31967.78     47.45
   51342.12     38.10  84503.52    51.39 117603.59    27.28 155112.53    -5.75 191307.63     78.65
  222546.82   -161.09 238132.05   488.17 284174.92  -123.24 325916.76  -179.50 360586.43   -246.83
  387502.73  -1100.39

4XT 82 6 71  98 2228/16                  82.135E11 15  .92  -65.2  64.21 84          7459.61   1369.00  REC      4. LENGTH   380
    8905.47   -397.13  11183.50   -91.61  14137.51    88.72  17832.39    38.74  26215.40     54.23
   48116.28     60.74  91174.45    36.25 134212.46    22.65 174752.55     2.42 222455.83     10.56
  239690.06   -147.55 289496.69    -5.48 327261.39  -206.03 351611.77  -403.44

4XT 82 6 71  98 2228/30                  78.447E11 16  .92  -65.1  63.47 84          6964.37   1368.82  REC      5. LENGTH   400
    8519.70   -375.23  10695.95  -128.79  13105.91    39.10  16716.28    83.92  22043.80     31.39
   36626.66     80.72  63481.05    25.49  96715.19    45.63 138387.66   -18.62 174071.66    119.55
  210395.56   -113.36 239071.33   248.48 291030.52  -120.37 325051.57  -338.56 349543.03   -354.66

4XT 81 6 71  98 2228/44                  88.562E11 17  .91  -65.1  62.73 84          6643.69   1368.65  REC      6. LENGTH   420
    7915.36   -365.45   9759.81  -309.59  11874.92   249.62  15077.22    85.87  19811.54     13.76
   29440.62     62.09  48113.88    53.87  77796.18    43.59 115749.61    11.49 161556.39     10.74
  222327.67      5.51 236054.50    45.63 291446.40   -30.23 337741.36  -177.88 368167.80   -507.36
  389019.54   -450.47

4XT 81 7 71  98 2228/58                  73.578E11 15  .91  -65.0  61.99 84          6480.03   1368.48  REC      7. LENGTH   380
    7504.83   -403.58   9282.13   -96.42  11967.08   228.92  15299.72  -167.59  19700.43     88.48
   32708.07     83.32  56053.62    73.40  93321.29   -29.31 144147.52    19.86 185121.19    393.72
  236624.48   -584.90 284060.07   390.42 319634.49  -339.78 344191.73  -606.82

4XT 80 6 71  98 2229/13                  83.745E11 17  .91  -65.0  61.19 84          6623.65   1368.30  REC      8. LENGTH   420
    7987.87   -388.37  10158.31  -109.89  13016.04   117.49  17110.73    16.72  21786.39     52.57
   36922.13     70.51  60740.13    28.20  92672.61    32.14 131063.67    34.29 175486.72     26.75
  221475.31     64.20 232960.94  -339.48 282301.36    35.97 321815.32  -170.03 350355.78   -541.73
  379059.16   -287.58

4XT 80 8 71  98 2229/26                  70.148E11 15  .91  -64.9  60.50 84          6496.39   1368.15  REC      9. LENGTH   380
    7763.56   -401.84  10053.06   -66.99  12769.89   -29.73  17172.29   227.97  21868.54    -93.48
   37541.38     82.86  65603.66    37.40 102070.07   -10.39 149480.44    88.72 192856.91     24.22
  238561.87     35.45 288472.82   -51.33 324291.49  -227.89 340699.51 -1312.26

4XT 80 7 71  98 2229/41                  66.368E11 16  .91  -64.9  59.70 84          6317.41   1367.99  REC     10. LENGTH   400
    7476.57   -412.40   9701.26    -6.18  12504.45     4.10  16637.87    84.77  22775.39     51.32
   38281.65     52.24  59557.59    56.94  85547.28    27.71 116396.93    12.62 159759.11     47.25
  201495.26     12.03 223387.11    85.64 235410.95  -201.53 281274.64    30.72 337405.50    -74.18

4XT 79 6 71  98 2229/55                  72.483E11 15  .91  -64.9  58.96 84          6404.09   1367.83  REC     11. LENGTH   380
    7988.67   -399.87  10088.56  -116.45  13598.75   168.46  18586.98   -26.31  28461.35     73.51
   54976.64     47.60  90504.01    26.21 132746.97    43.30 174620.64     4.28 222536.07     75.51
  233631.66   -308.81 281260.86    88.29 328965.81  -218.80 353470.40  -419.52

4XT 79 6 71  98 2230/ 9                  83.676E11 17  .91  -64.8  58.22 84          6384.78   1367.68  REC     12. LENGTH   420
    7764.31   -378.76  10179.33  -103.33  13320.45    55.69  17176.34    29.80  22128.67     48.36
   39711.74     82.07  64173.67    26.70 101402.51    48.98 137115.24    15.42 176154.94     10.45
  220303.28     77.32 230563.87   157.13 287805.51   -26.30 336212.95  -252.95 370938.18   -358.12
  391878.17  -1173.48

4XT 79 6 71  98 2230/24                  76.467E11 17  .90  -64.8  57.42 85          7731.81   1367.53  REC     13. LENGTH   420
    8671.87   -463.60  10418.50   -26.76  13048.87   203.29  16751.12     4.38  20486.26     -5.42
   27958.88     67.54  37713.02    34.48  56392.32    80.43  89913.52    29.37 129021.01     11.50
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4XT 43 5 72 287 1613/56              197.898E11 16  .57  -61.7  13.21 22          12715.27   1425.93  REC      1. LENGTH    400
   15524.48    -788.96  19951.08    386.40  25897.12    279.01  37511.82    165.89  77890.35      95.10
  128630.49      36.67 177541.62    -75.64 249750.34    181.47 282521.55    100.16 405143.27     -73.30
  633835.73      24.78 935773.50    -12.631224458.97   -104.721372422.55    -33.771479788.09  -1553.15

4XT 44 6 72 287 1614/18              188.159E11 16  .58  -61.8  14.37 23          12621.18   1425.88  REC      2. LENGTH    400
   15414.86    -731.16  19889.43    245.42  25797.81    350.12  38088.21     84.61  72808.91     121.15
  124241.86      25.95 181397.19     20.03 247541.48     89.10 279025.16    230.55 400875.63     -74.49
  625822.62      36.26 856539.07      1.311177527.61   -131.551329639.67   -160.531407042.44  -3013.68

4XT 45 5 72 287 1614/41              187.451E11 16  .59  -61.8  15.58 24          12707.13   1425.84  REC      3. LENGTH    400
   15437.09    -766.87  20509.11    362.60  26858.18    247.95  48691.56    111.59  90345.85      85.39
  144246.18      28.92 194729.41     39.31 249211.87     62.24 274549.37    147.95 402289.83     -26.50
  615190.30      21.86 872939.54     -7.451139525.52   -137.071265631.64   -144.691355149.77  -1606.87

4XT 47 5 72 287 1615/ 3              188.173E11 15  .60  -61.9  16.74 25          12184.44   1425.80  REC      4. LENGTH    380
   17042.32    -647.58  23649.91    209.70  32957.80    226.78  65473.20     99.02 113832.17      54.64
  172602.13     -12.99 246141.35     68.21 279048.08     82.38 405261.42    -14.00 636846.49      28.41
  892627.50     -51.821123602.49    -38.221228389.39   -502.071268673.80  -5149.46

4XT 48 5 72 287 1615/26              202.522E11 14  .61  -61.9  17.95 26          12097.54   1425.75  REC      5. LENGTH    360
   15307.12    -687.31  21773.27    267.71  31914.03    144.39  66053.89    114.44 123292.23      44.37
  183313.96      24.64 243122.04     23.84 280606.09    120.59 427695.22    -24.71 647125.41     -11.18
  893667.54     -42.201097074.95   -101.541200711.33  -1193.81
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 INPUT PARAMETERS ARE:  ED FL=1=1

  TAPE NO.   1              FILE NO.   1
  RECORD   1                LENGTH   80
           ISIS 2 N(H) PROFILES - VOLUME 7
```

ISIS 2 D-40931
C-21645
10/9/71 - 8/26/79

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  TAPE NO.   1              FILE NO.   1
  RECORD    2776            LENGTH   300
  4XT 80 5 79 239 1752/25                  158.623E11 11 .924  -76.7  57.91 49          26417.64   1370.5
  4  40224.87   -464.01  66429.78    101.91 108196.90     50.98 158644.78     64.77 221121.20      12.
  29 255324.18    121.48 386795.29    -29.17 507804.55   -117.40 544696.46  -2079.03 552313.77 -18377
  .36

  ***** JOB DONE.
  $AVR IN
  $EXE TPLIST BS

 INPUT PARAMETERS ARE:  ED SR=1=2

  TAPE NO.   1              FILE NO.   1
  RECORD    2               LENGTH   320
  4XT 88 6 71 283  219/ 5                  47.150E11 12 .925 -130.1  84.66 96          3074.07   1386.3
  6   4666.41   -322.11   6978.48    -29.60  10445.24     49.33  15900.87     53.40  32680.45     33.
  10  81787.40    26.28 124489.49     18.71 161151.07    -84.18 193186.04    -63.28 211963.00   -441
  .40 222481.39  -2657.59

  TAPE NO.   1              FILE NO.   1
  RECORD    3               LENGTH   340
  4XT 88 6 71 283  219/20                  65.730E11 13 .925 -126.8  85.40 97          3440.18   1386.8
  0   4547.58   -380.66   7257.19     46.87  11719.60     34.89  18697.74     67.37  47921.99     30.
  37 103092.45    15.88 149361.24     21.25 187069.36    -32.27 222590.60      2.64 246084.57    128
  .84 306710.19  -272.02 336478.74  -1284.98

  ***** JOB DONE.
  $WEO LPS
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1411-G