

OPR 6

5

A3-MO

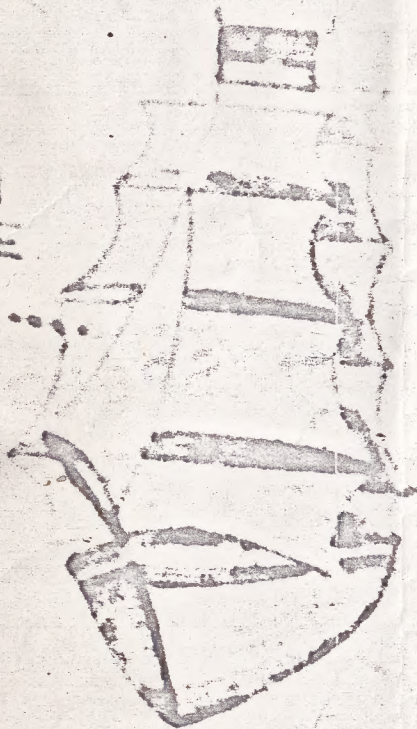
1

1

YR

6

DAMN
THE
LIGHTNING.....



FULL
SPEED
AHEAD!

NOV 2

4

HR 2

1

MIN 2

1

SEC 5

APOLLO 12 LM-6 COMPUTER WORDS

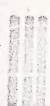
TNOW COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERR DISPLAYED	SOLN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID OCTAL
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47,48	7 0-5/46,47	8 0-5/45,46	
	158 0,1/100			161 0,1/97 0,1/98	162 0,1/96 0,1/97	163 0,1/95 0,1/96	2 0-5

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 12 23.449	396744.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 24.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 25.449	396746.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 26.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 27.449	396748.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 28.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 29.449	396750.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 30.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 31.449	396752.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 32.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 33.449	396754.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 34.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 35.449	396756.15	0.	37.	63.	BLANK	BLANK	BLANK	777
110 12 36.449		0.	37.	63.	BLANK	BLANK	BLANK	
110 12 37.449	396758.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 38.449	396760.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 39.449	396762.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 40.449	396764.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 41.449	396766.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 42.449	396768.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 43.449	396770.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 44.449	396772.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 45.449	396774.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 46.449	396776.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 47.449	396778.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 48.449	396780.15	63.	6.	61.	-09 42	-07 34	-00044	777
110 12 49.449	396782.15	63.	6.	61.	-09 42	-07 36	-00048	777
110 12 50.449	396784.15	63.	6.	61.	-09 42	-07 34	-00048	777
110 12 51.449	396786.15	63.	6.	61.	-09 42	-07 32	-00048	777
110 12 52.449	396788.15	63.	50.	25.	00014	BLANK	BLANK	777
110 12 53.449	396790.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 54.449	396792.15	63.	50.	18.	+35612	+10881	+35954	777
110 12 55.449	396794.15	63.	50.	18.	+35612	+10881	+35954	777
110 12 56.449	396796.15	63.	0.	0.	BLANK	BLANK	BLANK	777
110 12 57.449	396798.15	63.	6.	18.	+35612	+10881	+35967	777
110 12 58.449	396800.15	63.	50.	18.	+35612	+10881	+35967	777
110 12 59.449	396802.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 0.449	396804.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 1.449	396806.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 2.449	396808.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 3.449	396810.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 4.449	396812.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 5.449	396814.15	63.	50.	18.	+35612	+10881	+35967	777
110 13 6.449	396816.15	63.	40.	18.	+35612	+10881	+35967	777
110 13 7.449	396818.15	63.	6.	16.	+00100	+00000	+00073	777
110 13 8.449	396820.15	63.	6.	16.	+00100	+00000	+00073	777



TIME	COMPUTER	MAJOR MODE	VERB DISPLAYED	NOUN DISPLAYED	REGISTER #1	REGISTER R2	REGISTER R3	LIST ID
157 0-5/51	3	0-5/50	5 0-5/49	4 0-5/49	6 0-5/47,48	7 0-5/46,47	8 0-5/45,46	OCTAL
		15R 0,1/100			161 0,1/97	162 0,1/96	163 0,1/95 2	0-5
					0,1/98	0,1/97	0,1/96	

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR MIN SECS									
110 13 41.849	396822.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 43.849	396824.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 45.849	396826.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 47.849	396828.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 49.849	396830.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 51.849	396832.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 53.849	396834.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 55.849	396836.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 57.849	396838.15	63.	6.	16.	+00100	+00000	+00073	777	
110 13 59.849	396840.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 1.849	396842.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 3.849	396844.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 5.849	396846.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 7.849	396848.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 9.849	396850.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 11.849	396852.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 13.849	396854.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 15.849	396856.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 16.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 17.849	396858.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 18.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 19.849	396860.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 20.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 21.849	396862.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 22.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 23.849	396864.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 24.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 25.849	396866.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 26.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 27.849	396868.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 28.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 29.849	396870.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 30.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 31.849	396872.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 32.849		63.	6.	16.	+00100	+00000	+00073	777	
110 14 33.849	396874.15	63.	6.	16.	+00100	+00000	+00073	777	
110 14 34.849		63.	50.	16.	+00100	+00000	+00073	777	
110 14 35.849	396876.15	63.	50.	16.	+35612	+10881	+35987	777	
110 14 37.849	396878.15	63.	80.	16.	+35612	+10881	+35987	777	
110 14 39.849	396880.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 41.849	396882.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 43.849	396884.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 45.849	396886.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 47.849	396888.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 49.849	396890.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110 14 51.849	396892.15	63.	83.	0.	BLANK	BLANK	BLANK	777	



GROUP NO. -

0

APOLLO 12 LM-6 COMPUTER WORDS

PAGE 6

TIME	COMPUTER	MAJOR	VERB	NOUN	REGISTER	REGISTER	REGISTER	LIST
CLOCK	MODE	DISPLAYED	DISPLAYED	DISPLAYED	R1	R2	R3	ID
157 0-5/51	3	0-5/50	5 0-5/49	4 0-5/49	6 0-5/47,48	7 0-5/46,47	8 0-5/45,46	OCTAL
		158 0,1/100			161 0,1/97	162 0,1/96	163 0,1/95 2	0-5
					0,1/98	0,1/97	0,1/96	

TIME	IR	MIN	SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	14	53	.849	396894.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	14	55	.849	396896.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	14	5	.849	396898.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	14	59	.849	396900.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	15	1	.849	396902.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	15	3	.849	396904.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	15	5	.849	396906.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	15	7	.849	396908.15	63.	83.	0.	BLANK	BLANK	BLANK	777	
110	15	9	.849	396910.15	63.	16.	54.	+11130	+04567	+07512	777	
110	15	11	.849	396912.15	63.	16.	54.	+11140	+04568	+07517	777	
110	15	13	.849	396914.15	63.	16.	54.	+11152	+04569	+07523	777	
110	15	15	.849	396916.15	63.	16.	54.	+11175	+04571	+07530	777	
110	15	17	.849	396918.15	63.	16.	54.	+11188	+04571	+07540	777	
110	15	19	.849	396920.15	63.	16.	54.	+11199	+04572	+07546	777	
110	15	21	.849	396922.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	23	.849	396924.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	25	.849	396926.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	27	.849	396928.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	29	.849	396930.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	31	.849	396932.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	33	.849	396934.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	35	.849	396936.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	37	.849	396938.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	39	.849	396940.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	41	.849	396942.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	43	.849	396944.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	45	.849	396946.15	63.	50.	18.	+35612	+10881	+35967	777	
110	15	47	.849	396948.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110	15	49	.849	396950.15	63.	50.	18.	+35612	+10886	+00048	777	
110	15	51	.849	396952.15	63.	50.	18.	+35612	+10886	+00048	777	
110	15	53	.849	396954.15	63.	50.	18.	+35612	+10886	+00048	777	
110	15	55	.849	396956.15	63.	50.	18.	+35612	+10886	+00048	777	
110	15	57	.849	396958.15	63.	50.	18.	+35612	+10886	+00048	777	
110	15	59	.849	396960.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	1	.849	396962.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	3	.849	396964.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	5	.849	396966.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	7	.849	396968.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	9	.849	396970.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	11	.849	396972.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	13	.849	396974.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	15	.849	396976.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	17	.849	396978.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	19	.849	396980.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	21	.849	396982.15	63.	50.	18.	+35612	+10886	+00048	777	
110	16	23	.849	396984.15	63.	50.	18.	+35612	+10886	+00048	777	

TIME	TIME	MAJOR	VERB	NOUN	REGISTER	REGISTER	REGISTER	LIST
HR MIN SECS	COMPUTER	MODE	DISPLAYED	DISPLAYED	R1	R2	R3	ID
	CLOCK	DISPLAYED	5 0-5/49	4 0-5/49	6 0-5/47, 48	7 0-5/45, 47	8 0-5/45, 46	OCTAL
157 0-5/51		3 0-5/50			161 0,1/97	162 0,1/96	163 0,1/95	2 0-5
		158 0,1/100			0,1/98	0,1/97	0,1/96	

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR MIN SECS									
110 16 25.849	396986.15	63.	40.	18.	+35612	+10886	+00048	777	
110 16 27.849	396988.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 29.849	396990.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 31.849	396992.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 33.849	396994.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 35.849	396996.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 37.849	396998.15	63.	40.	20.	+35612	+10886	+00048	777	
110 16 39.849	397000.15	63.	50.	18.	+35612	+10886	+00048	777	
110 16 41.849	397002.15	63.	50.	18.	+35612	+10886	+00048	777	
110 16 43.849	397004.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 45.849	397006.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 47.849	397008.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 49.849	397010.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 51.849	397012.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 53.849	397014.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 55.849	397016.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 57.849	397018.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 16 59.849	397020.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 1.849	397022.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 3.849	397024.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 5.849	397026.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 7.849	397028.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 9.849	397030.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 11.849	397032.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 13.849	397034.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 15.849	397036.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 17.849	397038.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 19.849	397040.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 21.849	397042.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 17 23.849	397044.15	63.	6.	62.	+55645	-03 14	+00000	777	
110 17 25.849	397046.15	63.	6.	62.	+55645	-03 12	+00000	777	
110 17 27.849	397048.15	63.	6.	62.	+55645	-03 10	+00000	777	
110 17 29.849	397050.15	63.	6.	62.	+55645	-03 08	+00000	777	
110 17 31.849	397052.15	63.	6.	62.	+55645	-03 06	+00000	777	
110 17 33.849	397054.15	63.	6.	62.	+55645	-03 04	+00000	777	
110 17 35.849	397056.15	63.	6.	62.	+55645	-03 02	+00000	777	
110 17 37.849	397058.15	63.	6.	62.	+55645	-03 00	+00000	777	
110 17 39.849	397060.15	63.	6.	62.	+55645	-02 58	+00000	777	
110 17 41.849	397062.15	63.	6.	62.	+55645	-02 56	+00000	777	
110 17 43.849	397064.15	63.	6.	62.	+55645	-02 54	+00000	777	
110 17 45.849	397066.15	63.	6.	62.	+55645	-02 52	+00000	777	
110 17 47.849	397068.15	63.	6.	62.	+55645	-02 50	+00000	777	
110 17 49.849	397070.15	63.	6.	62.	+55645	-02 48	+00000	777	
110 17 51.849	397072.15	63.	6.	62.	+55645	-02 46	+00000	777	
110 17 53.849	397074.15	63.	6.	62.	+55645	-02 44	+00000	777	
110 17 55.849	397076.15	63.	6.	62.	+55645	-02 42	+00000	777	

TNOW COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERR DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID OCTAL
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 48 161 0,1/97 0,1/98	7 0-5/46, 47 162 0,1/96 0,1/97	8 0-5/45, 46 163 0,1/95 0,1/96	2 0-5

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA	
HR	MIN	SECS								
110	17	57.849	397078.15	63.	6.	62.	+55645	-02 40	+00000	777
110	17	59.849	397080.15	63.	6.	62.	+55645	-02 38	+00000	777
110	18	1.849	397082.15	63.	6.	62.	+55645	-02 36	+00000	777
110	18	3.849	397084.15	63.	6.	62.	+55645	-02 34	+00000	777
110	18	5.849	397086.15	63.	6.	62.	+55645	-02 32	+00000	777
110	18	7.849	397088.15	63.	6.	62.	+55645	-02 30	+00000	777
110	18	9.849	397090.15	63.	6.	62.	+55645	-02 28	+00000	777
110	18	11.849	397092.15	63.	6.	62.	+55645	-02 26	+00000	777
110	18	13.849	397094.15	63.	6.	62.	+55645	-02 24	+00000	777
110	18	15.849	397096.15	63.	6.	62.	+55645	-02 22	+00000	777
110	18	17.849	397098.15	63.	6.	62.	+55645	-02 20	+00000	777
110	18	19.849	397100.15	63.	6.	62.	+55645	-02 18	+00000	777
110	18	21.849	397102.15	63.	6.	62.	+55645	-02 16	+00000	777
110	18	23.849	397104.15	63.	6.	62.	+55645	-02 14	+00000	777
110	18	25.849	397106.15	63.	6.	62.	+55645	-02 12	+00000	777
110	18	27.849	397108.15	63.	6.	62.	+55645	-02 10	+00000	777
110	18	29.849	397110.15	63.	6.	62.	+55645	-02 08	+00000	777
110	18	31.849	397112.15	63.	6.	62.	+55645	-02 06	+00000	777
110	18	33.849	397114.15	63.	6.	62.	+55645	-02 04	+00000	777
110	18	35.849	397116.15	63.	6.	62.	+55645	-02 02	+00000	777
110	18	37.849	397118.15	63.	6.	62.	+55645	-02 00	+00000	777
110	18	39.849	397120.15	63.	6.	62.	+55645	-01 58	+00000	777
110	18	41.849	397122.15	63.	6.	62.	+55645	-01 56	+00000	777
110	18	43.849	397124.15	63.	6.	62.	+55645	-01 54	+00000	777
110	18	45.849	397126.15	63.	6.	62.	+55645	-01 52	+00000	777
110	18	47.849	397128.15	63.	6.	62.	+55645	-01 50	+00000	777
110	18	49.849	397130.15	63.	6.	62.	+55645	-01 48	+00000	777
110	18	51.849	397132.15	63.	6.	62.	+55645	-01 46	+00000	777
110	18	53.849	397134.15	63.	6.	62.	+55645	-01 44	+00000	777
110	18	55.849	397136.15	63.	6.	62.	+55645	-01 42	+00000	777
110	18	57.849	397138.15	63.	6.	62.	+55645	-01 40	+00000	777
110	18	59.849	397140.15	63.	6.	62.	+55645	-01 38	+00000	777
110	19	1.849	397142.15	63.	6.	62.	+55645	-01 36	+00000	777
110	19	3.849	397144.15	63.	6.	62.	+55645	-01 34	+00000	777
110	19	5.849	397146.15	63.	6.	62.	+55645	-01 32	+00000	777
110	19	7.849	397148.15	63.	6.	62.	+55645	-01 30	+00000	777
110	19	9.849	397150.15	63.	6.	62.	+55645	-01 28	+00000	777
110	19	11.849	397152.15	63.	6.	62.	+55645	-01 26	+00000	777
110	19	13.849	397154.15	63.	6.	62.	+55645	-01 24	+00000	777
110	19	15.849	397156.15	63.	6.	62.	+55645	-01 22	+00000	777
110	19	17.849	397158.15	63.	6.	62.	+55645	-01 20	+00000	777
110	19	19.849	397160.15	63.	6.	62.	+55645	-01 18	+00000	777
110	19	21.849	397162.15	63.	6.	62.	+55645	-01 16	+00000	777
110	19	23.849	397164.15	63.	6.	62.	+55645	-01 14	+00000	777
110	19	25.849	397166.15	63.	6.	62.	+55645	-01 12	+00000	777
110	19	27.849	397168.15	63.	6.	62.	+55645	-01 10	+00000	777

TIME	MAJOR MODE	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 48	7 0-5/46, 47	8 0-5/45, 46	0-5
	158 0,1/100			161 0,1/97	162 0,1/98	163 0,1/95	2 0-5
				0,1/98	0,1/97	0,1/96	

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 19 29.849	397170.15	63.	6.	62.	+55645	-01 08	+00000	777	
110 19 31.849	397172.15	63.	6.	62.	+55645	-01 06	+00000	777	
110 19 33.849	397174.15	63.	6.	62.	+55645	-01 04	+00000	777	
110 19 35.849	397176.15	63.	6.	62.	+55645	-01 02	+00000	777	
110 19 37.849	397178.15	63.	6.	62.	+55645	-01 00	+00000	777	
110 19 39.849	397180.15	63.	6.	62.	+55645	-00 58	+00000	777	
110 19 41.849	397182.15	63.	6.	62.	+55645	-00 56	+00000	777	
110 19 43.849	397184.15	63.	6.	62.	+55645	-00 54	+00000	777	
110 19 45.849	397186.15	63.	6.	62.	+55645	-00 52	+00000	777	
110 19 47.849	397188.15	63.	6.	62.	+55645	-00 50	+00000	777	
110 19 49.849	397190.15	63.	6.	62.	+55645	-00 48	+00000	777	
110 19 51.849	397192.15	63.	6.	62.	+55645	-00 46	+00000	777	
110 19 53.849	397194.15	63.	6.	62.	+55645	-00 44	+00000	777	
110 19 55.849	397196.15	63.	6.	62.	+55645	-00 42	+00000	777	
110 19 57.849	397198.15	63.	6.	62.	+55645	-00 40	+00000	777	
110 19 59.849	397200.15	63.	6.	62.	+55645	-00 38	+00000	777	
110 20 1.849	397202.15	63.	6.	62.	+55645	-00 36	+00000	777	
110 20 3.849	397204.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 20 5.849	397206.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 20 7.849	397208.15	63.	0.	0.	BLANK	BLANK	BLANK	777	
110 20 9.849	397210.15	63.	6.	62.	+55645	-00 28	+00000	777	
110 20 11.849	397212.15	63.	6.	62.	+55645	-00 26	+00000	777	
110 20 13.849	397214.15	63.	6.	62.	+55645	-00 24	+00000	777	
110 20 15.849	397216.15	63.	6.	62.	+55645	-00 22	+00001	777	
110 20 17.849	397218.15	63.	6.	62.	+55645	-00 20	+00001	777	
110 20 19.849	397220.15	63.	6.	62.	+55645	-00 18	+00001	777	
110 20 21.849	397222.15	63.	6.	62.	+55645	-00 16	+00001	777	
110 20 23.849	397224.15	63.	6.	62.	+55645	-00 14	+00001	777	
110 20 25.849	397226.15	63.	6.	62.	+55646	-00 12	+00002	777	
110 20 27.849	397228.15	63.	6.	62.	+55646	-00 10	+00002	777	
110 20 29.849	397230.15	63.	6.	62.	+55646	-00 08	+00002	777	
110 20 31.849	397232.15	63.	6.	62.	+55646	-00 06	+00002	777	
110 20 33.849	397234.15	63.	99.	62.	+55644	-00 04	+00005	777	
110 20 35.849	397236.15	63.	6.	62.	+55640	-00 02	+00009	777	
110 20 37.849	397238.15	63.	6.	63.	+55637	-00 01	+00012	777	
110 20 39.849	397240.15	63.	6.	63.	+55624	-00003	+48056	777	
110 20 41.849	397242.15	63.	6.	63.	+55596	-00031	+48049	777	
110 20 43.849	397244.15	63.	6.	63.	+55569	-00029	+48043	777	
110 20 45.849	397246.15	63.	6.	63.	+55541	-00027	+48039	777	
110 20 47.849	397248.15	63.	6.	63.	+55513	-00026	+48032	777	
110 20 49.849	397250.15	63.	6.	63.	+55485	-00025	+48027	777	
110 20 51.849	397252.15	63.	6.	63.	+55458	-00024	+48022	777	
110 20 53.849	397254.15	63.	6.	63.	+55430	-00023	+48018	777	
110 20 55.849	397256.15	63.	6.	63.	+55402	-00023	+48013	777	
110 20 57.849	397258.15	63.	6.	63.	+55375	-00023	+48009	777	
110 20 59.849	397260.15	63.	0.	63.	+55347	-00023	+48004	777	

TIME	COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID
157	0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 4R	7 0-5/46, 47	8 0-5/45, 46	0-5
158	0,1/100				161 0,1/97	162 0,1/96	163 0,1/95	2 0-5
					0,1/98	0,1/97	0,1/96	

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 21 1.849	397262.15	63.	6.	63.	+55319	-00023	+48599	777	
110 21 3.849	397264.15	63.	6.	63.	+55319	-00023	+48539	777	
110 21 5.849	397266.15	63.	6.	63.	+55291	-00023	+48593	777	
110 21 7.849	397268.15	63.	6.	63.	+55141	-00031	+48549	777	
110 21 9.849	397270.15	63.	6.	63.	+54952	-00041	+48522	777	
110 21 11.849	397272.15	63.	6.	63.	+54764	-00047	+48574	777	
110 21 13.849	397274.15	63.	6.	63.	+54575	-00053	+48564	777	
110 21 15.849	397276.15	63.	6.	63.	+54386	-00061	+48552	777	
110 21 17.849	397278.15	63.	6.	63.	+54196	-00070	+48539	777	
110 21 19.849	397280.15	63.	6.	63.	+54007	-00082	+48524	777	
110 21 21.849	397282.15	63.	6.	63.	+53817	-00097	+48507	777	
110 21 23.849	397284.15	63.	6.	63.	+53627	-00112	+48486	777	
110 21 25.849	397286.15	63.	6.	63.	+53436	-00128	+48462	777	
110 21 27.849	397288.15	63.	6.	63.	+53245	-00144	+48435	777	
110 21 29.849	397290.15	63.	6.	63.	+53053	-00158	+48404	777	
110 21 31.849	397292.15	63.	6.	63.	+52861	-00171	+48371	777	
110 21 33.849	397294.15	63.	6.	63.	+52668	-00183	+48336	777	
110 21 35.849	397296.15	63.	6.	63.	+52475	-00194	+48299	777	
110 21 37.849	397298.15	63.	6.	63.	+52288	-00205	+48259	777	
110 21 39.849	397300.15	63.	6.	63.	+52098	-00205	+48259	777	
110 21 41.849	397302.15	63.	6.	63.	+52088	-00205	+48259	777	
110 21 43.849	397304.15	63.	6.	63.	+52088	-00205	+48259	777	
110 21 45.849	397306.15	63.	6.	63.	+52088	-00205	+48259	777	
110 21 47.849	397308.15	63.	6.	63.	+51308	-00254	+48031	777	
110 21 49.849	397310.15	63.	6.	63.	+51111	-00268	+47979	777	
110 21 51.849	397312.15	63.	6.	63.	+50915	-00276	+47925	777	
110 21 53.849	397314.15	63.	6.	63.	+50718	-00286	+47869	777	
110 21 55.849	397316.15	63.	6.	63.	+50521	-00295	+47811	777	
110 21 57.849	397318.15	63.	6.	63.	+50324	-00304	+47751	777	
110 21 59.849	397320.15	63.	6.	63.	+50126	-00313	+47690	777	
110 22 1.849	397322.15	63.	21.	63.	+49927	-00320	+47627	777	
110 22 3.849	397324.15	63.	21.	63.	+49927	-00320	+47627	777	
110 22 5.849	397326.15	63.	21.	0.	+49927	-00320	+47627	777	
110 22 7.849	397328.15	63.	21.	69.	BLANK	-00320	+47627	777	
110 22 9.849	397330.15	63.	21.	69.	+	-00320	+47627	777	
110 22 11.849	397332.15	63.	21.	69.	+0	-00320	+47627	777	
110 22 13.849	397334.15	63.	21.	69.	+042	-00320	+47627	777	
110 22 15.849	397336.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 17.849	397338.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 19.849	397340.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 21.849	397342.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 23.849	397344.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 25.849	397346.15	63.	21.	69.	+04200	-00320	+47627	777	
110 22 27.849	397348.15	63.	6.	63.	+47311	-00423	+46653	777	
110 22 29.849	397350.15	63.	6.	63.	+47107	-00436	+46607	777	
110 22 31.849	397352.15	63.	6.	63.	+46903	-00436	+46473	777	

TNOW	MAJOR	VERB	NOUN	REGISTER	REGISTER	REGISTER	LIST
COMPUTER	MODE	DISPLAYED	DISPLAYED	R1	R2	R3	TO
CLOCK	DISPLAYED	5 0-5/49	4 0-5/49	6 0-5/47, 48	7 0-5/46, 47	8 0-5/45, 46	OCTAL
157 0-5/51	3 0-5/50			161 0,1/97	162 0,1/96	163 0,1/95 2	0-9
	158 0,1/100			0,1/98	0,1/97	0,1/96	

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HRS	MIN	SECS								
110	22	33.849	397354.15	63.	6.	63.	+46698	-00441	+46708	777
110	22	35.849	397356.15	63.	6.	63.	+46493	-00446	+46297	777
110	22	37.849	397358.15	63.	6.	63.	+46082	-00455	+46117	777
110	22	39.849	397360.15	63.	6.	63.	+46082	-00455	+46117	777
110	22	41.849	397362.15	63.	6.	63.	+46082	-00455	+46117	777
110	22	43.849	397364.15	63.	6.	63.	+46082	-00455	+46117	777
110	22	45.849	397366.15	63.	6.	63.	+46082	-00455	+46117	777
110	22	47.849	397368.15	63.	6.	63.	+45256	-00478	+45745	777
110	22	49.849	397370.15	63.	6.	63.	+45044	-00482	+45849	777
110	22	51.849	397372.15	63.	6.	63.	+44840	-00485	+45553	777
110	22	53.849	397374.15	63.	6.	63.	+44631	-00496	+45453	777
110	22	55.849	397376.15	63.	6.	63.	+44422	-00502	+45355	777
110	22	57.849	397378.15	63.	6.	63.	+44212	-00509	+45256	777
110	22	59.849	397380.15	63.	6.	63.	+44003	-00514	+45152	777
110	23	1.849	397382.15	63.	6.	63.	+43792	-00519	+45049	777
110	23	3.849	397384.15	63.	6.	63.	+43582	-00523	+44944	777
110	23	5.849	397386.15	63.	6.	63.	+43371	-00528	+44839	777
110	23	7.849	397388.15	63.	6.	63.	+42948	-00537	+44734	777
110	23	9.849	397390.15	63.	6.	63.	+42948	-00537	+44734	777
110	23	11.849	397392.15	63.	6.	63.	+42948	-00537	+44734	777
110	23	13.849	397394.15	63.	6.	63.	+42948	-00537	+44734	777
110	23	15.849	397396.15	63.	6.	63.	+42948	-00537	+44734	777
110	23	17.849	397398.15	63.	6.	63.	+42098	-00555	+44196	777
110	23	19.849	397400.15	63.	6.	63.	+41884	-00560	+44079	777
110	23	21.849	397402.15	63.	6.	63.	+41670	-00566	+43966	777
110	23	23.849	397404.15	63.	6.	63.	+41455	-00571	+43853	777
110	23	25.849	397406.15	63.	6.	63.	+41241	-00575	+43738	777
110	23	27.849	397408.15	63.	6.	63.	+41026	-00577	+43623	777
110	23	29.849	397410.15	63.	6.	63.	+40811	-00578	+43507	777
110	23	31.849	397412.15	63.	6.	63.	+40595	-00579	+43392	777
110	23	33.849	397414.15	63.	6.	63.	+40379	-00583	+43278	777
110	23	35.849	397416.15	63.	6.	63.	+40161	-00591	+43158	777
110	23	37.849	397418.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	39.849	397420.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	41.849	397422.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	43.849	397424.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	45.849	397426.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	47.849	397428.15	63.	6.	63.	+39943	-00600	+43039	777
110	23	49.849	397430.15	63.	6.	63.	+38629	-00634	+42254	777
110	23	51.849	397432.15	63.	6.	63.	+38408	-00638	+42187	777
110	23	53.849	397434.15	63.	6.	63.	+38188	-00642	+42039	777
110	23	55.849	397436.15	63.	6.	63.	+37967	-00648	+41911	777
110	23	57.849	397438.15	63.	6.	63.	+37745	-00650	+41781	777
110	23	59.849	397440.15	63.	6.	63.	+37523	-00653	+41651	777
110	24	1.849	397442.15	63.	6.	63.	+37301	-00657	+41520	777
110	24	3.849	397444.15	63.	6.	63.	+37078	-00660	+41389	777



TIME	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47,48	7 0-5/46,47	8 0-5/45,46	0-5
	158 0,1/100			161 0,1/97	162 0,1/96	163 0,1/95	0-5
				0,1/98	0,1/97	0,1/96	

HR	MIN	SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	24	5.849	397446.15	63.	0.	63.	+37078	-00660	+41389	777
110	24	7.849	397448.15	63.	57.	63.	+37078	-00660	+41389	777
110	24	9.849	397450.15	63.	6.	68.	+00994	-06 08	+00994	777
110	24	11.849	397452.15	63.	6.	68.	+00992	-06 02	+01095	777
110	24	13.849	397454.15	63.	6.	68.	+00970	-06 00	+01113	777
110	24	15.849	397456.15	63.	6.	68.	+00958	-05 57	+00928	777
110	24	17.849	397458.15	63.	6.	68.	+00946	-05 55	+01519	777
110	24	19.849	397460.15	63.	6.	68.	+00915	-05 53	+01471	777
110	24	21.849	397462.15	63.	6.	68.	+00923	-05 50	+01470	777
110	24	23.849	397464.15	63.	50.	68.	+00912	-05 48	+01452	777
110	24	25.849	397466.15	63.	50.	68.	+00900	-05 46	+01150	777
110	24	27.849	397468.15	63.	50.	68.	+00889	-05 44	+00972	777
110	24	29.849	397470.15	63.	6.	63.	+34137	-00721	+39190	777
110	24	31.849	397472.15	63.	6.	63.	+33907	-00725	+39168	777
110	24	33.849	397474.15	63.	6.	63.	+33678	-00729	+38918	777
110	24	35.849	397476.15	63.	6.	63.	+33447	-00735	+38708	777
110	24	37.849	397478.15	63.	6.	63.	+33216	-00741	+38537	777
110	24	39.849	397480.15	63.	6.	63.	+32985	-00746	+38320	777
110	24	41.849	397482.15	63.	6.	63.	+32755	-00746	+38120	777
110	24	43.849	397484.15	63.	6.	63.	+32525	-00746	+38120	777
110	24	45.849	397486.15	63.	6.	63.	+32295	-00746	+38120	777
110	24	47.849	397488.15	63.	6.	63.	+32065	-00746	+38120	777
110	24	49.849	397490.15	63.	6.	63.	+31821	-00762	+37509	777
110	24	51.849	397492.15	63.	6.	63.	+31587	-00777	+37144	777
110	24	53.849	397494.15	63.	6.	63.	+31352	-00772	+37190	777
110	24	55.849	397496.15	63.	6.	63.	+31116	-00777	+37044	777
110	24	57.849	397498.15	63.	6.	63.	+30881	-00791	+36921	777
110	24	59.849	397500.15	63.	6.	63.	+30644	-00785	+36763	777
110	25	1.849	397502.15	63.	6.	63.	+30407	-00789	+36601	777
110	25	3.849	397504.15	63.	6.	63.	+30169	-00795	+36429	777
110	25	5.849	397506.15	63.	6.	63.	+29930	-00802	+36272	777
110	25	7.849	397508.15	63.	6.	63.	+29692	-00809	+36138	777
110	25	9.849	397510.15	63.	6.	63.	+29453	-00814	+36009	777
110	25	11.849	397512.15	63.	6.	63.	+29213	-00815	+35867	777
110	25	13.849	397514.15	63.	6.	63.	+28973	-00817	+35705	777
110	25	15.849	397516.15	63.	6.	63.	+28731	-00822	+35529	777
110	25	17.849	397518.15	63.	6.	63.	+28489	-00832	+35323	777
110	25	19.849	397520.15	63.	5.	63.	+28246	-00844	+35187	777
110	25	21.849	397522.15	63.	6.	63.	+28003	-00852	+35068	777
110	25	23.849	397524.15	63.	6.	63.	+27759	-00856	+34944	777
110	25	25.849	397526.15	63.	6.	63.	+27515	-00858	+34837	777
110	25	27.849	397528.15	63.	6.	63.	+27271	-00866	+34576	777
110	25	29.849	397530.15	63.	6.	63.	+27026	-00875	+34414	777
110	25	31.849	397532.15	63.	6.	63.	+26780	-00882	+34285	777
110	25	33.849	397534.15	63.	6.	63.	+26533	-00887	+34113	777
110	25	35.849	397536.15	63.	6.	63.	+26285	-00894	+33951	777

TIME COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LEFT ID DATA
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 4H	7 0-5/46, 4F	8 0-5/45, 4G	0-5
	15A 0,1/100			161 0,1/9T	162 0,1/96	163 0,1/95	
				0,1/9H	0,1/97	0,1/98	

TIME MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
100 25 37.849	397534.15	63.	6.	63.	+2574H	-00910	+31742	777
110 25 38.849	397540.15	63.	6.	63.	+2574H	-00910	+31742	777
120 25 39.849	397542.15	63.	6.	63.	+2574H	-00910	+31742	777
130 25 40.849	397544.15	63.	6.	63.	+2574H	-00910	+31742	777
140 25 41.849	397546.15	63.	6.	63.	+2574H	-00910	+31742	777
150 25 42.849	397548.15	63.	6.	63.	+2574H	-00910	+31742	777
160 25 43.849	397550.15	63.	6.	63.	+24539	-00937	+32715	777
170 25 44.849	397552.15	63.	6.	63.	+242F8	-00943	+32479	777
180 25 45.849	397554.15	63.	6.	63.	+24034	-00951	+32239	777
190 25 46.849	397556.15	63.	6.	63.	+237F0	-00959	+32001	777
200 25 47.849	397558.15	63.	6.	63.	+23525	-00966	+31752	777
210 25 48.849	397560.15	63.	6.	63.	+23270	-00973	+31512	777
220 25 49.849	397562.15	63.	6.	63.	+23015	-00982	+31274	777
230 26 0.849	397564.15	63.	6.	63.	+22760	-00990	+31034	777
240 26 1.849	397566.15	63.	6.	63.	+22502	-00994	+30797	777
250 26 2.849	397568.15	63.	6.	63.	+22244	-01000	+30561	777
260 26 3.849	397570.15	63.	6.	63.	+21988	-01008	+30324	777
270 26 4.849	397572.15	63.	6.	63.	+2198H	-01008	+30088	777
280 26 5.849	397574.15	63.	6.	63.	+2198H	-01008	+29854	777
290 26 6.849	397576.16	63.	6.	63.	+2198H	-01008	+29620	777
300 26 7.849	397578.15	63.	6.	63.	+2198H	-01008	+29384	777
310 26 8.849	397580.15	63.	6.	63.	+2198H	-01008	+29148	777
320 26 9.849	397582.15	63.	6.	63.	+20692	-01022	+28912	777
330 26 10.849	397584.15	63.	6.	63.	+20431	-01025	+28676	777
340 26 11.849	397586.15	63.	6.	63.	+20169	-01024	+28440	777
350 26 12.849	397588.15	63.	6.	63.	+19906	-01024	+28204	777
360 26 13.849	397590.15	63.	6.	63.	+19644	-01025	+27968	777
370 26 14.849	397592.15	63.	6.	63.	+19381	-01026	+27732	777
380 26 15.849	397594.15	63.	6.	63.	+19117	-01027	+27496	777
390 26 16.849	397596.15	63.	6.	63.	+18851	-01026	+27260	777
400 26 17.849	397598.15	63.	6.	63.	+18585	-01025	+27024	777
410 26 18.849	397599.15	63.	6.	63.	+18059	-01005	+26788	777
420 26 19.849	397600.15	63.	6.	63.	+18059	-01005	+26552	777
430 26 20.849	397602.15	63.	6.	63.	+18059	-01005	+26316	777
440 26 21.849	397604.15	63.	6.	63.	+17256	-00980	+26080	777
450 26 22.849	397606.15	63.	6.	63.	+17256	-00980	+25844	777
460 26 23.849	397608.15	63.	6.	63.	+16989	-00972	+25608	777
470 26 24.849	397610.15	63.	6.	63.	+16723	-00960	+25372	777
480 26 25.849	397612.15	63.	6.	63.	+16450	-00951	+25136	777
490 26 26.849	397614.15	63.	6.	63.	+16179	-00946	+24900	777
500 26 27.849	397616.15	63.	6.	63.	+15912	-00935	+24664	777
510 26 28.849	397618.15	63.	6.	63.	+15639	-00919	+24428	777
520 26 29.849	397620.15	63.	6.	63.	+15368	-00905	+24192	777
530 27 0.849	397622.15	63.	6.	63.	+15097	-00890	+23956	777
540 27 1.849	397624.15	63.	6.	63.	+14843	-00885	+23720	777
550 27 2.849	397626.15	63.	6.	63.	+14673	-00917	+23484	777
560 27 3.849	397628.15	63.	6.	63.	+14357	-00972	+23248	777

TIME	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 42	7 0-5/46, 47	8 0-5/45, 46	0-5
	158 0,1/100			161 0,1/97	162 0,1/96	163 0,1/95	
				0,1/98	0,1/97	0,1/96	

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 27 9.849	397630.15	63.	6.	63.	+14357	-00972	+25537	777
110 27 11.849	397632.15	63.	6.	63.	+14357	-00972	+25537	777
110 27 13.849	397634.15	63.	6.	63.	+13886	-01052	+25537	777
110 27 15.849	397636.15	63.	6.	63.	+13886	-01054	+24499	777
110 27 17.849	397638.15	63.	6.	63.	+13730	-01084	+24501	777
110 27 19.849	397640.15	63.	6.	63.	+13584	-01104	+24474	777
110 27 21.849	397642.15	63.	6.	63.	+13423	-01129	+24447	777
110 27 23.849	397644.15	63.	6.	63.	+13265	-01158	+24429	777
110 27 25.849	397646.15	63.	6.	63.	+13117	-01179	+24397	777
110 27 27.849	397648.15	63.	6.	63.	+12956	-01202	+24341	777
110 27 29.849	397650.15	63.	6.	63.	+12798	-01227	+24289	777
110 27 31.849	397652.15	63.	6.	63.	+12642	-01250	+24232	777
110 27 33.849	397654.15	63.	6.	63.	+12484	-01273	+24172	777
110 27 35.849	397656.15	63.	6.	63.	+12325	-01294	+24106	777
110 27 37.849	397658.15	63.	6.	63.	+12163	-01312	+24032	777
110 27 39.849	397660.15	63.	6.	63.	+12003	-01332	+23952	777
110 27 41.849	397662.15	63.	6.	63.	+11842	-01352	+23862	777
110 27 43.849	397664.15	63.	6.	63.	+11679	-01371	+23764	777
110 27 45.849	397666.15	63.	6.	63.	+11514	-01392	+23654	777
110 27 47.849	397668.15	63.	6.	63.	+11346	-01404	+23537	777
110 27 49.849	397670.15	63.	6.	63.	+11176	-01423	+23411	777
110 27 51.849	397672.15	63.	6.	63.	+11004	-01435	+23277	777
110 27 53.849	397674.15	63.	6.	63.	+10830	-01450	+23136	777
110 27 55.849	397676.15	63.	6.	63.	+10652	-01465	+22987	777
110 27 57.849	397678.15	63.	6.	63.	+10472	-01481	+22837	777
110 27 59.849	397680.15	63.	6.	63.	+10290	-01490	+22674	777
110 28 1.849	397682.15	63.	6.	63.	+10108	-01504	+22500	777
110 28 3.849	397684.15	63.	6.	63.	+9924	-01521	+22317	777
110 28 5.849	397686.15	63.	6.	63.	+9738	-01532	+22120	777
110 28 7.849	397688.15	63.	6.	63.	+9550	-01546	+21910	777
110 28 9.849	397690.15	63.	6.	63.	+9360	-01558	+21685	777
110 28 11.849	397692.15	63.	6.	63.	+9167	-01564	+21457	777
110 28 13.849	397694.15	63.	6.	63.	+8972	-01578	+21217	777
110 28 15.849	397696.15	63.	6.	63.	+8775	-01585	+20964	777
110 28 17.849	397698.15	63.	6.	63.	+8576	-01594	+20699	777
110 28 19.849	397700.15	63.	6.	63.	+8374	-01607	+20421	777
110 28 21.849	397702.15	63.	6.	63.	+8169	-01618	+20130	777
110 28 23.849	397704.15	63.	6.	63.	+7961	-01624	+19827	777
110 28 25.849	397706.15	63.	6.	63.	+7750	-01630	+19512	777
110 28 27.849	397708.15	63.	6.	63.	+7536	-01637	+19184	777
110 28 29.849	397710.15	63.	6.	63.	+7319	-01641	+18845	777
110 28 31.849	397712.15	63.	6.	63.	+7100	-01642	+18494	777
110 28 33.849	397714.15	63.	6.	63.	+6879	-01649	+18130	777
110 28 35.849	397716.15	63.	6.	63.	+6656	-01655	+17750	777
110 28 37.849	397718.15	63.	6.	63.	+6430	-01660	+17357	777
110 28 39.849	397720.15	63.	6.	63.	+6201	-01663	+16949	777

TIME	TIME COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID	
157	0-5/51	3	0-5/50	5	0-5/49	6	0-5/48, 47	8	0-5/45, 46
158		15*	0,1/100			161	0,1/97	162	0,1/96
							0,1/98		0,1/97
									0,1/98

MIN	SEC	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	28 41.849	397722.15	63.	6.	63.	+07055	-01685	+12096	777
110	28 43.849	397724.15	63.	6.	63.	+06893	-01664	+11759	777
110	28 45.849	397726.15	63.	6.	63.	+06732	-01670	+11421	777
110	28 47.849	397728.15	63.	6.	63.	+00568	-01673	+11085	777
110	28 49.849	397730.15	63.	6.	63.	+06405	-01675	+10761	777
110	28 51.849	397732.15	63.	6.	63.	+06241	-01676	+10424	777
110	28 53.849	397734.15	63.	6.	63.	+06077	-01676	+10083	777
110	28 55.849	397736.15	63.	6.	63.	+05917	-01674	+09738	777
110	28 57.849	397738.15	63.	6.	63.	+05753	-01689	+09385	777
110	28 59.849	397740.15	63.	6.	63.	+05589	-01687	+09032	777
110	29 1.849	397742.15	63.	6.	63.	+05424	-01694	+08671	777
110	29 3.849	397744.15	63.	6.	63.	+05260	-01693	+08325	777
110	29 5.849	397746.15	63.	6.	63.	+05097	-01699	+07984	777
110	29 7.849	397748.15	63.	6.	63.	+04930	-01696	+07670	777
110	29 9.849	397750.15	64.	6.	63.	+04775	-01698	+07328	777
110	29 11.849	397752.15	64.	6.	64.	+09 70	-01699	+06987	777
110	29 13.849	397754.15	64.	6.	64.	+09 75	-01699	+06649	777
110	29 15.849	397756.15	64.	6.	64.	+09 58	-01677	+06312	777
110	29 17.849	397758.15	64.	6.	64.	+09 43	-01619	+05981	777
110	29 19.849	397760.15	64.	6.	64.	+09 43	-01517	+05667	777
110	29 21.849	397762.15	64.	6.	64.	+09 42	-01488	+05347	777
110	29 23.849	397764.15	64.	6.	64.	+09 42	-01399	+05043	777
110	29 25.849	397766.15	64.	6.	64.	+09 42	-01335	+04759	777
110	29 27.849	397768.15	64.	6.	64.	+09 42	-01271	+04487	777
110	29 29.849	397770.15	64.	6.	64.	+09 42	-01210	+04227	777
110	29 31.849	397772.15	64.	6.	64.	+09 42	-01153	+03987	777
110	29 33.849	397774.15	64.	6.	64.	+09 42	-01095	+03757	777
110	29 35.849	397776.15	64.	6.	64.	+09 42	-01042	+03535	777
110	29 37.849	397778.15	64.	6.	64.	+09 42	-00994	+03319	777
110	29 39.849	397780.15	64.	6.	64.	+09 41	-00941	+03117	777
110	29 41.849	397782.15	64.	6.	64.	+09 41	-00893	+02921	777
110	29 43.849	397784.15	64.	6.	64.	+09 41	-00848	+02736	777
110	29 45.849	397786.15	64.	6.	64.	+09 41	-00801	+02551	777
110	29 47.849	397788.15	64.	6.	64.	+09 40	-00757	+02368	777
110	29 49.849	397790.15	64.	6.	64.	+09 40	-00717	+02187	777
110	29 51.849	397792.15	64.	6.	64.	+09 39	-00675	+02005	777
110	29 53.849	397794.15	64.	6.	64.	+09 40	-00639	+01825	777
110	29 55.849	397796.15	64.	6.	64.	+09 39	-00604	+01641	777
110	29 57.849	397798.15	64.	6.	64.	+09 39	-00567	+01457	777
110	29 59.849	397800.15	64.	6.	64.	+09 39	-00532	+01268	777
110	30 1.849	397802.15	64.	6.	64.	+09 38	-00502	+01085	777
110	30 3.849	397804.15	64.	6.	64.	+09 38	-00470	+00905	777
110	30 5.849	397806.15	64.	6.	64.	+09 38	-00441	+00725	777
110	30 7.849	397808.15	64.	6.	64.	+09 36	-00414	+00541	777
110	30 9.849	397810.15	64.	6.	64.	+09 34	-00387	+00359	777
110	30 11.849	397812.15	64.	6.	64.	+09 32	-00363	+00184	777

TRIMW COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST ID	DATA
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 4*	7 0-5/46, 47	8 0-5/45, 46	2	0-5
	158 0,1/100			161 0,1/97	162 0,1/96	163 0,1/95		0,1/96

TIME	MIN	SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	30	13.849	397814.15	64.	64.	64.	+87 31	-00338	+01058	777
110	30	15.849	397816.15	64.	64.	64.	+85 32	-00112	+00987	777
110	30	17.849	397818.15	64.	64.	64.	+83 32	-00290	+00924	777
110	30	19.849	397820.15	64.	64.	64.	+81 32	-00269	+00863	777
110	30	21.849	397822.15	64.	64.	64.	+79 32	-00248	+00802	777
110	30	23.849	397824.15	64.	64.	64.	+77 33	-00231	+00748	777
110	30	25.849	397826.15	64.	64.	64.	+75 33	-00216	+00701	777
110	30	27.849	397828.15	64.	64.	64.	+73 32	-00201	+00652	777
110	30	29.849	397830.15	64.	64.	64.	+71 33	-00187	+00618	777
110	30	31.849	397832.15	64.	64.	64.	+66 33	-00173	+00598	777
110	30	33.849	397834.15	64.	64.	64.	+61 33	-00161	+00561	777
110	30	35.849	397836.15	64.	64.	64.	+59 35	-00149	+00510	777
110	30	37.849	397838.15	64.	64.	64.	+57 38	-00138	+00499	777
110	30	39.849	397840.15	64.	64.	64.	+55 38	-00129	+00471	777
110	30	41.849	397842.15	64.	64.	64.	+53 38	-00122	+00448	777
110	30	43.849	397844.15	64.	64.	64.	+51 38	-00114	+00428	777
110	30	45.849	397846.15	64.	64.	64.	+49 37	-00108	+00403	777
110	30	47.849	397848.15	66.	60.	60.	+0787	-00088	+00368	777
110	30	49.849	397850.15	66.	60.	60.	+00717	-00060	+00350	777
110	30	51.849	397852.15	66.	60.	60.	+00650	-00054	+00336	777
110	30	53.849	397854.15	66.	60.	60.	+00602	-00052	+00326	777
110	30	55.849	397856.15	66.	60.	60.	+00549	-00052	+00316	777
110	30	57.849	397858.15	66.	60.	60.	+00498	-00053	+00306	777
110	30	59.849	397860.15	66.	60.	60.	+00447	-00053	+00295	777
110	31	1.849	397862.15	66.	60.	60.	+00398	-00052	+00283	777
110	31	3.849	397864.15	66.	60.	60.	+00350	-00053	+00280	777
110	31	5.849	397866.15	66.	60.	60.	+00297	-00053	+00271	777
110	31	7.849	397868.15	66.	60.	60.	+00274	-00055	+00266	777
110	31	9.849	397870.15	66.	60.	60.	+00205	-00051	+00257	777
110	31	11.849	397872.15	66.	60.	60.	+00169	-00050	+00248	777
110	31	13.849	397874.15	66.	60.	60.	+00137	-00038	+00237	777
110	31	15.849	397876.15	66.	60.	60.	+00102	-00030	+00233	777
110	31	17.849	397878.15	66.	60.	60.	+00092	-00015	+00227	777
110	31	19.849	397880.15	66.	60.	60.	+00082	-00010	+00223	777
110	31	21.849	397882.15	66.	60.	60.	+00092	-00014	+00220	777
110	31	23.849	397884.15	66.	60.	60.	+00103	-00022	+00216	777
110	31	25.849	397886.15	66.	60.	60.	+00108	-00047	+00208	777
110	31	27.849	397888.15	66.	60.	60.	+00116	-00061	+00198	777
110	31	29.849	397890.15	66.	60.	60.	+00121	-00063	+00187	777
110	31	31.849	397892.15	66.	60.	60.	+00123	-00063	+00175	777
110	31	33.849	397894.15	66.	60.	60.	+00125	-00065	+00162	777
110	31	35.849	397896.15	66.	60.	60.	+00121	-00062	+00150	777
110	31	37.849	397898.15	66.	60.	60.	+00118	-00064	+00137	777
110	31	39.849	397900.15	66.	60.	60.	+00111	-00064	+00124	777
110	31	41.849	397902.16	66.	60.	60.	+00102	-00063	+00121	777
110	31	43.849	397904.15	66.	60.	60.	+00094	-00063	+00113	777

TIME COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	UNIT ID OCTAL
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47,48 161 0,1/97 0,1/98	7 0-5/46,47 162 0,1/96 0,1/97	8 0-5/45,46 163 0,1/95 0,1/96	2 0-5

TIME	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 31 45.849	397906.15	66.	6.	60.	+00087	-00065	+00155	777	
110 31 47.849	397908.15	66.	6.	60.	+00077	-00063	+00091	777	
110 31 49.849	397910.15	66.	6.	60.	+00069	-00060	+00087	777	
110 31 51.849	397912.15	66.	6.	60.	+00066	-00051	+00083	777	
110 31 53.849	397914.15	66.	6.	60.	+00052	-00031	+00073	777	
110 31 55.849	397916.15	66.	6.	60.	+00042	-00027	+00060	777	
110 31 57.849	397918.15	66.	6.	60.	+00032	-00024	+00053	777	
110 31 59.849	397920.15	66.	6.	60.	+00021	-00024	+00050	777	
110 32 1.849	397922.15	66.	6.	60.	+00016	-00025	+00053	777	
110 32 3.849	397924.15	66.	6.	60.	+00009	-00023	+00048	777	
110 32 5.849	397926.15	66.	6.	60.	+00004	-00022	+00044	777	
110 32 7.849	397928.15	66.	6.	60.	+00010	-00024	+00039	777	
110 32 9.849	397930.15	66.	6.	60.	+00011	-00016	+00041	777	
110 32 11.849	397932.15	66.	6.	60.	+00012	-00013	+00042	777	
110 32 13.849	397934.15	66.	6.	60.	+00015	-00021	+00038	777	
110 32 15.849	397936.15	66.	6.	60.	+00006	-00029	+00033	777	
110 32 17.849	397938.15	66.	6.	60.	+00011	-00016	+00034	777	
110 32 19.849	397940.15	66.	6.	60.	+00003	-00023	+00032	777	
110 32 21.849	397942.15	66.	6.	60.	+00006	-00019	+00030	777	
110 32 23.849	397944.15	66.	6.	60.	+00005	-00027	+00025	777	
110 32 25.849	397946.15	66.	6.	60.	+00007	-00019	+00018	777	
110 32 27.849	397948.15	66.	6.	60.	+00005	-00016	+00013	777	
110 32 29.849	397950.15	66.	6.	60.	+00003	-00015	+00015	777	
110 32 31.849	397952.15	66.	6.	60.	+00006	-00014	+00022	777	
110 32 33.849	397954.15	66.	6.	60.	+00007	-00009	+00030	777	
110 32 35.849	397956.15	66.	6.	60.	+00019	-00020	+00030	777	
110 32 37.849	397958.15	66.	6.	60.	+00010	-00004	+00020	777	
110 32 39.849	397960.15	66.	6.	60.	+00010	-00004	+00016	777	
110 32 41.849	397962.15	66.	6.	60.	+00011	-00005	+00015	777	
110 32 43.849	397964.15	66.	6.	60.	+00011	-00005	+00014	777	
110 32 45.849	397966.15	66.	6.	60.	+00011	-00005	+00013	777	
110 32 47.849	397968.15	66.	6.	60.	+00011	-00005	+00012	777	
110 32 49.849	397970.15	66.	6.	60.	+00011	-00005	+00011	777	
110 32 51.849	397972.15	66.	6.	60.	+00011	-00005	+00010	777	
110 32 53.849	397974.15	66.	6.	60.	+00011	-00004	+00009	777	
110 32 55.849	397976.15	66.	6.	60.	+00011	-00005	+00008	777	
110 32 57.849	397978.15	66.	6.	60.	+00012	-00005	+00007	777	
110 32 59.849	397980.15	66.	6.	60.	+00011	-00005	+00006	777	
110 33 1.849	397982.15	66.	6.	60.	+00012	-00005	+00005	777	
110 33 3.849	397984.15	66.	6.	60.	+00012	-00005	+00004	777	
110 33 5.849	397986.15	66.	6.	60.	+00012	-00005	+00003	777	
110 33 7.849	397988.15	66.	6.	60.	+00012	-00005	+00002	777	
110 33 9.849	397990.15	66.	6.	60.	+00012	-00005	+00001	777	
110 33 11.849	397992.15	66.	6.	60.	+00012	-00005	+00000	777	
110 33 13.849	397994.15	66.	6.	60.	+00012	-00005	-00001	777	
110 33 15.849	397996.15	66.	6.	60.	+00013	-00005	-00002	777	

TNOW COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	INSTR IN KEYN
157 0-5/51	3 0-5/50	5 0-5/49	4 0-5/49	6 0-5/47, 48 161 0,1/97 0,1/9A	7 0-5/46, 47 162 0,1/98 0,1/97	8 0-5/45, 46 163 0,1/95 2 0,1/96	0-5

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS								
110	33	17.849	39799A.15	66.	6.	60.	+00013	-00005	-00003	777
110	33	18.849	398000.15	66.	6.	60.	+00013	-00005	-00004	777
110	33	21.849	398002.15	66.	6.	60.	+00013	-00005	-00005	777
110	33	21.849	398004.15	66.	6.	60.	+00013	-00005	-00005	777
110	33	25.849	398006.15	66.	6.	60.	+00013	-00005	-00007	777
110	33	27.849	398008.15	66.	6.	60.	+00013	-00005	-00508	777
110	33	29.849	398010.15	66.	6.	60.	+00014	-00004	-00009	777
110	33	31.849	398012.15	66.	6.	60.	+00013	-00005	+00010	777
110	33	33.849	398014.15	66.	6.	60.	+00014	-00005	-00011	777
110	33	35.849	398016.15	66.	6.	60.	+00014	-00005	-00012	777
110	33	37.849	398018.15	66.	6.	60.	+00014	-00004	-00011	777
110	33	39.849	398020.15	66.	6.	60.	+00014	-00005	-00014	777
110	33	41.849	398022.15	66.	6.	60.	+00014	-00004	-00015	777
110	33	43.849	398024.15	66.	6.	60.	+00015	-00005	-00016	777
110	33	45.849	398026.15	66.	6.	60.	+00014	-00005	-00016	777
110	33	47.849	398028.15	66.	6.	60.	+00015	-00005	-00017	777
110	33	49.849	398030.15	66.	6.	60.	+00015	-00005	-00018	777
110	33	51.849	398032.15	66.	6.	60.	+00015	-00005	-00018	777
110	33	53.849	398034.15	66.	6.	60.	+00015	-00005	-00021	777
110	33	55.849	398036.15	66.	6.	60.	+00015	-00005	-00022	777
110	33	57.849	398038.15	66.	6.	60.	+00016	-00004	-00023	777
110	33	59.849	398040.15	66.	6.	60.	+00015	-00004	-00024	777
110	34	1.849	398042.15	66.	6.	60.	+00016	-00005	-00025	777
110	34	3.849	398044.15	66.	6.	60.	+00016	-00005	-00025	777
110	34	5.849	398046.15	66.	6.	60.	+00016	-00004	-00026	777
110	34	7.849	398048.15	66.	6.	60.	+00016	-00005	-00027	777
110	34	9.849	398050.15	66.	6.	60.	+00016	-00005	-00028	777
110	34	11.849	398052.15	66.	6.	60.	+00017	-00005	-00029	777
110	34	13.849	398054.15	66.	6.	60.	+00017	-00005	-00030	777
110	34	15.849	398056.15	66.	6.	60.	+00017	-00005	-00031	777
110	34	17.849	398058.15	66.	6.	60.	+00017	-00004	-00032	777
110	34	19.849	398060.15	66.	6.	60.	+00017	-00005	-00033	777
110	34	21.849	398062.15	66.	6.	60.	+00017	-00004	-00033	777
110	34	23.849	398064.15	66.	6.	60.	+00017	-00004	-00035	777
110	34	25.849	398066.15	66.	6.	60.	+00018	-00005	-00036	777
110	34	27.849	398068.15	66.	6.	60.	+00018	-00005	-00036	777
110	34	29.849	398070.15	66.	6.	60.	+00018	-00005	-00038	777
110	34	31.849	398072.15	66.	6.	60.	+00018	-00005	-00039	777
110	34	33.849	398074.15	66.	6.	60.	+00018	-00005	-00040	777
110	34	35.849	398076.15	66.	6.	60.	+00018	-00005	-00041	777
110	34	37.849	398078.15	66.	6.	60.	+00018	-00005	-00042	777
110	34	39.849	398080.15	66.	6.	60.	+00019	-00004	-00043	777
110	34	41.849	398082.15	66.	6.	60.	+00019	-00005	-00044	777
110	34	43.849	398084.15	66.	6.	60.	+00019	-00005	-00045	777
110	34	45.849	398086.15	66.	6.	60.	+00019	-00005	-00046	777
110	34	47.849	398088.15	66.	6.	60.	+00019	-00005	-00047	777

TIME COMPUTER CLOCK	MAJOR MODE DISPLAYED	VERB DISPLAYED	NOUN DISPLAYED	REGISTER R1	REGISTER R2	REGISTER R3	LIST DIS
157 0-5/51	3 0-5/50 15# 0,1/100	5 0-5/49	4 0-5/48	6 0-5/47,4# 161 0,1/97 0,1/9#	7 0-5/46,47 162 0,1/96 0,1/97	8 0-5/45,46 163 0,1/95 2 0,1/96	OCT 31 0-5

TIME	MIN	SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	34	29.849	398090.15	66.	6.	60.	+00019	-00005	-00049	777
110	34	51.849	398092.15	66.	6.	60.	+00020	-00005	-00049	777
110	34	53.849	398094.15	66.	30.	60.	+00020	-00004	-00049	777
110	34	55.849	398096.15	66.	37.	0.	-00020	-00004	-00049	777
110	34	57.849	398098.15	66.	37.	0.	+00020	-00004	-00049	777
110	34	59.849	398100.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	1.849	398102.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	3.849	398104.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	5.849	398106.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	7.849	398108.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	9.849	398110.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	11.849	398112.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	13.849	398114.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	15.849	398116.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	17.849	398118.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	19.849	398120.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	21.849	398122.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	23.849	398124.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	25.849	398126.15	66.	37.	0.	+00020	-00004	-00049	777
110	35	27.849	398128.15	68.	0.	0.	BLANK	BLANK	BLANK	777
110	35	29.849	398130.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	31.849	398132.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	33.849	398134.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	35.849	398136.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	37.849	398138.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	39.849	398140.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	41.849	398142.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	43.849	398144.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	45.849	398146.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	47.849	398148.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	49.849	398150.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	51.849	398152.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	53.849	398154.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	55.849	398156.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	57.849	398158.15	68.	6.	43.	-00301	-02345	-00000	777
110	35	59.849	398160.15	68.	6.	43.	-00301	-02345	-00000	777
110	36	1.849	398162.15	68.	6.	43.	-00301	-02345	-00000	777
110	36	3.849	398164.15	68.	37.	0.	BLANK	BLANK	BLANK	777
110	36	5.849	398166.15	12.	6.	33.	+00110	+00020	+03741	777
110	36	7.849	398168.15	12.	6.	33.	+00110	+00020	+03741	777
110	36	9.849	398170.15	12.	6.	33.	+00110	+00020	+03741	777
110	36	11.849	398172.15	12.	0.	33.	+00110	+00020	+03741	777
110	36	13.849	398174.15	12.	21.	33.	BLANK	+00020	+03741	777
110	36	15.849	398176.15	12.	21.	33.	BLANK	+00020	+03741	777
110	36	17.849	398178.15	12.	21.	33.	BLANK	+00020	+03741	777
110	36	19.849	398180.15	12.	21.	33.	BLANK	+00020	+03741	777

IRCDUX XCDC AT TIRVEL	IRCDUX XCDC AT TIRVEL	IRCDUX XCDC AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	ASELECT IR VELOCITY AXIS	IRVEL VELTY ALONG ANTENNA AXIS	Z DOT D VELOCITY IN DOWNRANGE DIR
67 4/2	68 4/2	69 4/3	100 4/5	72 4/4	145 4/6	362 4/2E

TIME IRI MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 10 5.849	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
110 12 17.849	146.8164	197.0728	.0000	44292.93	1050.	10507375.000	566.455
110 14 15.849	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX	XXXXXX
110 14 35.849	146.8164	197.0728	.0000	44292.93	1050.	10507375.000	566.455
110 16 47.849					0.	915404.500	-1400.740
110 20 11.849					2.	-624709.375	
110 20 13.849					1.	1244018.375	
110 20 15.849					0.	915404.500	
110 20 17.849					2.	-624709.375	
110 20 19.849					1.	1244018.375	
110 20 21.849					0.	915404.500	
110 20 23.849					2.	-624709.375	
110 20 25.849					1.	1244018.375	
110 20 27.849					0.	915404.500	
110 20 29.849					2.	-624709.375	
110 20 31.849					1.	1244018.375	
110 20 33.849					0.	915404.500	
110 20 35.849					2.	-624709.375	
110 20 37.849					1.	1244018.375	
110 20 39.849					0.	915404.500	
110 20 41.849					2.	-624709.375	
110 20 43.849					1.	1244018.375	
110 20 45.849					0.	915404.500	
110 20 47.849					2.	-624709.375	
110 20 49.849					1.	1244018.375	
110 20 51.849					0.	915404.500	
110 20 53.849					2.	-624709.375	
110 20 55.849					1.	1244018.375	
110 20 57.849					0.	915404.500	
110 20 59.849					2.	-624709.375	
110 21 1.849					1.	1244018.375	
110 21 3.849					0.	915404.500	
110 21 5.849					2.	-624709.375	
110 21 7.849					1.	1244018.375	
110 21 9.849					0.	915404.500	
110 21 11.849					2.	-624709.375	
110 21 13.849					1.	1244018.375	
110 21 15.849					0.	915404.500	
110 21 17.849					2.	-624709.375	
110 21 19.849					1.	1244018.375	
110 21 21.849					0.	915404.500	
110 21 23.849					2.	-624709.375	
110 21 25.849					1.	1244018.375	
110 21 27.849					0.	915404.500	
110 21 29.849					2.	-624709.375	
110 21 31.849					1.	1244018.375	

IR GROUP NO. -

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APOLLO 12 LM-6 COMPUTER WORDS

PAGE 2

IRCDUX XCDU AT TURVEL	IRCDY YCDU AT TURVEL	IRCDZ ZCDU AT TURVEL	TURVEL TIME OF IR VELOCITY READ	ASELECT IR VELOCITY AXIS	IRVEL VELOCITY ALONG ANTENNA AXIS	Z DXT D VELOCITY IN DISTRANCE DIR							
07	4/2	68	4/2	69	4/3	100	4/5	72	4/4	145	4/6	162	4/26

TIME		DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS						
110	21	33.849					0.	91*5*04.500
110	21	35.849					2.	-6*24709.375
110	21	37.849					1.	12*44018.375
110	21	39.849					0.	91*5*04.500
110	21	41.849					2.	-6*24709.375
110	21	43.849					1.	12*44018.375
110	21	45.849					0.	91*5*04.500
110	21	47.849					2.	-6*24709.375
110	21	49.849					1.	12*44018.375
110	21	51.849					0.	91*5*04.500
110	21	53.849					2.	-6*24709.375
110	21	55.849					1.	12*44018.375
110	21	57.849					0.	91*5*04.500
110	21	59.849					2.	-6*24709.375
110	22	1.849					1.	12*44018.375
110	22	3.849					0.	91*5*04.500
110	22	5.849					2.	-6*24709.375
110	22	7.849					1.	12*44018.375
110	22	9.849					0.	91*5*04.500
110	22	11.849					2.	-6*24709.375
110	22	13.849					1.	12*44018.375
110	22	15.849					0.	91*5*04.500
110	22	17.849					2.	-6*24709.375
110	22	19.849					1.	12*44018.375
110	22	21.849					0.	91*5*04.500
110	22	23.849					2.	-6*24709.375
110	22	25.849					1.	12*44018.375
110	22	27.849					0.	91*5*04.500
110	22	29.849					2.	-6*24709.375
110	22	31.849					1.	12*44018.375
110	22	33.849					0.	91*5*04.500
110	22	35.849					2.	-6*24709.375
110	22	37.849					1.	12*44018.375
110	22	39.849					0.	91*5*04.500
110	22	41.849					2.	-6*24709.375
110	22	43.849					1.	12*44018.375
110	22	45.849					0.	91*5*04.500
110	22	47.849					2.	-6*24709.375
110	22	49.849					1.	12*44018.375
110	22	51.849					0.	91*5*04.500
110	22	53.849					2.	-6*24709.375
110	22	55.849					1.	12*44018.375
110	22	57.849					0.	91*5*04.500
110	22	59.849					2.	-6*24709.375
110	23	1.849					1.	12*44018.375
110	23	3.849					0.	91*5*04.500

IRCDU XCDU AT TURVEL	IRCDU YCDU AT TURVEL	IRCDU ZCDU AT TURVEL	TURVEL TIME OF IR VELOCITY HEAD	VSELECT IR VELOCITY AXIS	IRVEL VELOCITY ALONG ANTENNA AXIS	Z DOT D VELOCITY IN DWRANGE DIR
67 4/2	68 4/2	69 4/3	100 4/5	72 4/4	145 4/6	162 4/2E

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 21 5 .49					2.	-6*24700.375	
110 21 7 .49					1.	12*44014.375	
110 21 9 .49					0.	91*5*04.500	
110 21 11 .49					2.	-6*24700.375	
110 21 13 .49					1.	12*44014.375	
110 21 15 .49					0.	91*5*04.500	
110 21 17 .49					2.	-6*24700.375	
110 21 19 .49					1.	12*44014.375	
110 21 21 .49					0.	91*5*04.500	
110 21 23 .49					2.	-6*24700.375	
110 21 25 .49					1.	12*44014.375	
110 21 27 .49					0.	91*5*04.500	
110 21 29 .49					2.	-6*24700.375	
110 21 31 .49					1.	12*44014.375	
110 21 33 .49					0.	91*5*04.500	
110 21 35 .49					2.	-6*24700.375	
110 21 37 .49					1.	12*44014.375	
110 21 39 .49					0.	91*5*04.500	
110 21 41 .49					2.	-6*24700.375	
110 21 43 .49					1.	12*44014.375	
110 21 45 .49					0.	91*5*04.500	
110 21 47 .49					2.	-6*24700.375	
110 21 49 .49					1.	12*44014.375	
110 21 51 .49					0.	91*5*04.500	
110 21 53 .49					2.	-6*24700.375	
110 21 55 .49					1.	12*44014.375	
110 21 57 .49					0.	91*5*04.500	
110 21 59 .49					2.	-6*24700.375	
110 24 1 .49					1.	12*44014.375	
110 24 3 .49					0.	91*5*04.500	
110 24 5 .49					2.	-6*24700.375	
110 24 7 .49	358.0554	#1.1325	359.0441	397446.01	1.	-244.824	
110 24 9 .49	358.0334	#3.1006	359.2310	397448.12	0.	2126.260	
110 24 11 .49	357.9895		359.1431	397450.12	2.	-2947.202	
110 24 13 .49		#2.9464	359.0062	397452.12	1.	-244.826	
110 24 15 .49	357.9456	#2.7161	359.0991	397454.12	0.	2104.917	
110 24 17 .49	357.9126	#2.2327	359.3734	397456.12	2.	-2465.929	
110 24 19 .49	357.8906	#2.0349	359.0222	397458.12	1.	-257.914	
110 24 21 .49	357.9126	#1.4152	358.7405	397460.19	0.	2040.320	
110 24 23 .49		#1.5845	358.8574	397462.12	2.	-2405.779	
110 24 25 .49	357.8906	#1.5625	359.1101	397464.21	1.	-251.126	
110 24 27 .49	357.8627	#1.1977	359.3079	397466.18	0.	2062.637	
110 24 29 .49	357.7694	#0.9912	359.4727	397468.20	2.	-2735.064	
110 24 31 .49	357.8627	#0.9543	359.4247	397470.21	1.	-201.374	
110 24 33 .49	358.0554	#1.1560	359.0442	397472.20	0.	2012.536	
110 24 35 .49	358.2092	#0.9912	358.9783	397474.23	2.	-2694.882	

TIME		LRCDUX ACDU AT TIRVEL	LRCDU VCDU AT TIRVEL	LRCDUZ ZCDU AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	TIRVEL VELOCITY ALONG ANTENNA AXIS	Z IRT D VELOCITY IN DISTANCE DIR
IR MIN	SECS	67	68	69	100	72	145	362
110	24 37.849	358.3411	40.5182	359.2719	397476.20	1.	-225.679	
110	24 39.849	358.4199	40.9274	359.3451	397478.20	0.	2010.803	
110	24 41.849	358.4949	79.7607	2647	397480.20	2.	-2587.592	
110	24 43.849		79.7058	359.8682	397482.20	1.	-199.495	
110	24 45.849	358.4619	79.7607	359.5605	397484.20	0.	1975.957	
110	24 47.849	358.4180	79.8157	359.5386	397486.20	2.	-2546.891	
110	24 49.849	358.3411	79.7058	359.4507	397488.20	1.	-179.861	
110	24 51.849	358.2861	79.6289	359.1431	397490.21	0.	1916.668	
110	24 53.849	358.2422	79.6006	358.6597	397492.21	2.	-2476.951	
110	24 55.849	358.3411	79.1235	358.9451	397494.21	1.	-249.490	
110	24 57.849	358.3850	78.8928	359.3079	397496.20	0.	1900.546	
110	24 59.849	358.3960	78.9587	359.5935	397498.20	2.	-2428.524	
110	25 1.849	358.3850	79.1016	359.7144	397500.20	1.	-195.132	
110	25 3.849	358.2861	79.2993	359.7583	397502.20	0.	1818.720	
110	25 5.849	358.2092	79.0137	359.7144	397504.23	2.	-2490.657	
110	25 7.849	358.1323	78.3765	359.7913	397506.21	1.	-196.544	
110	25 9.849	358.0774	77.3502	359.9880	397508.20	0.	1844.897	
110	25 11.849	358.0115	77.4536	1538	397510.20	2.	-2275.252	
110	25 13.849	357.9456	77.9590	0330	397512.20	1.	-193.193	
110	25 15.849	357.8577	79.1016	359.8901	397514.20	0.	1747.416	
110	25 17.849	357.8137	79.6399	359.8572	397516.20	2.	-2304.490	
110	25 19.849	357.7698	78.5193	359.8682	397518.26	1.	-209.191	
110	25 21.849		77.0161	5054	397520.20	0.	1754.230	
110	25 23.849	357.8906	76.7944	3065	397522.20	2.	-2160.362	
110	25 25.849	358.1982	77.9480	359.7144	397524.21	1.	-150.530	
110	25 27.849	358.4563	78.3655	359.5496	397526.20	0.	1047.300	
110	25 29.849	358.0597	77.4866	0110	397528.20	2.	-2131.898	
110	25 31.849	358.8135	76.5637	359.8682	397530.21	1.	-162.408	
110	25 33.849	358.9673	77.2449	0659	397532.24	0.	1645.573	
110	25 35.849	359.0332	17.8162	0220	397534.20	2.	-2086.045	
110	25 37.849	359.0442	77.6074	2087	397536.20	1.	-151.985	
110	25 39.849	358.9673	76.3446	2856	397538.29	0.	1606.354	
110	25 41.849	358.8135	75.1794	1428	397540.21	2.	-1969.352	
110	25 43.849	358.6597	76.2231	0989	397542.21	1.	-155.621	
110	25 45.849	358.5059	77.4097	359.7034	397544.20	0.	1530.422	
110	25 47.849	358.4290	76.4164	0659	397546.23	2.	-1963.641	
110	25 49.849	358.3521	75.3333	2527	397548.21	1.	-144.470	
110	25 51.849	358.2202	76.7175	3076	397550.21	0.	1502.164	
110	25 53.849	358.1763	75.9373	4944	397552.20	2.	-1708.975	
110	25 55.849	358.1543	75.8606	6921	397554.22	1.	-147.622	
110	25 57.849	358.0115	75.9705	359.0332	397556.21	0.	1460.905	
110	25 59.849	357.9236	76.6626	359.5166	397558.21	2.	-1841.969	
110	26 1.849		76.2781	1.4612	397560.27	1.	-110.777	
110	26 3.849	357.8467	74.9048	1.1426	397562.21	0.	1428.833	
110	26 5.849	357.8247	75.4321	0110	397564.20	2.	-1768.295	
110	26 7.849	357.9456	76.5627	0439	397566.21	1.	-154.166	

TIME		IRCDUX XCDC AT TIRVEL	IRCDUY YCDC AT TIRVEL	IRCDUZ ZCDC AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	IRVEL VELOCITY ALONG ANTENNA AXIS	Z DXT D VELOCITY IN RANGE DIR
IR	SECS	67	68	69	100	72	145	362
SEN		4/2	4/2	4/3	4/5	4/4	4/6	4/26
		DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	26 0.849	357.9783	75.0916	.8240	397568.20	0.	1382.199	
110	26 11.849	357.9446	74.0863	.4044	397570.20	2.	-1668.475	
110	26 13.849	357.9456	75.0476	1.2633	397572.21	1.	-96.233	
110	26 15.849	357.8577	74.2560	359.6704	397574.24	0.	1348.567	
110	26 17.849	357.7698	74.6741	359.5825	397576.22	2.	-1637.177	
110	26 19.849	357.7808	74.2017	.9229	397578.21	1.	-123.866	
110	26 21.849	357.7698	73.6414	1.1096	397580.21	0.	1318.749	
110	26 23.849	357.8687	73.3118	.1978	397582.20	2.	-1550.366	
110	26 25.849	357.9016	73.7402	359.8352	397584.20	1.	-162.408	
110	26 27.849		73.7622	359.9441	397586.21	0.	1238.657	
110	26 29.849	357.8796	73.5205	.6021	397588.27	2.	-1504.899	
110	26 31.849	358.2642	74.4436	1.0657	397590.21	1.	-162.535	
110	26 33.849	358.9443	74.3008	7361	397592.20	0.	1214.734	
110	26 35.849	359.5166	72.6306	.3296	397594.20	2.	-1421.694	
110	26 37.849	.0330	70.9277	.7910	397596.20	1.	-81.931	
110	26 39.849	.5273	70.3345	1.5051	397598.30	0.	1226.002	
110	26 41.849	.8459	72.7405	1.8896	397600.21	2.	-1361.158	
110	26 43.849	1.0417	72.1472	.4504	397602.27	1.	-95.990	
110	26 45.849	1.1636	71.1584	.7910	397604.32	0.	1144.176	
110	26 47.849	1.1206	70.6091	1.1206	397606.22	2.	-1268.422	
110	26 49.849	.0888	70.9307	.9558	397608.22	1.	-90.415	
110	26 51.849	.7910	72.5537	1.0107	397610.20	0.	1058.883	
110	26 53.849	.5273	71.7078	1.4282	397612.21	2.	-1231.586	
110	26 55.849	1.208	69.5435	.9668	397614.27	1.	-105.344	
110	26 57.849	359.6924	69.5544	1.5930	397616.21	0.	1062.697	
110	26 59.849	359.4397	70.8179	2.2412	397618.20	2.	-1153.919	
110	27 1.849	359.3978	70.7520	1.2195	397620.21	1.	-66.660	
110	27 3.849		70.4663	.3735	397622.19	0.	994.220	
110	27 5.849	359.4177	70.6201	1.4063	397624.18	2.	-1110.127	
110	27 7.849	359.3734	70.5981	.9229	397626.19	1.	-76.114	
110	27 9.849	359.3058	69.6973	.0989	397628.28	0.	957.814	
110	27 11.849	359.5056	69.4666	1.3843	397630.22	2.	-1064.403	
110	27 13.849	359.5166	68.1702	1.1975	397632.18	1.	-84.355	
110	27 15.849	359.4946	68.0164	1.7029	397634.20	0.	956.254	
110	27 17.849	359.4836	68.4998	2.2302	397636.18	2.	-1024.218	
110	27 19.849		66.9946	.3825	397638.19	1.	-97.930	
110	27 21.849	359.5386	67.4451	.6042	397640.18	0.	921.755	
110	27 23.849	359.5456	68.8293	1.8567	397642.19	2.	-1002.708	
110	27 25.849	359.4307	66.7310	.9338	397644.19	0.	-84.355	
110	27 27.849	359.5496	65.1050	1.3733	397646.19	0.	913.434	
110	27 29.849	359.7693	67.093	1.5820	397648.22	2.	-957.893	
110	27 31.849	359.9451	67.0056	1.1975	397650.19	1.	-60.358	
110	27 33.849	1.208	64.8523	1.2854	397652.18	0.	878.588	
110	27 35.849	1.538	64.6875	.4504	397654.19	2.	-889.622	
110	27 37.849	1.648	65.8301	2.2856	397656.18	1.	-74.659	
110	27 39.849		65.7971	1.2085	397658.24	0.	825.367	

GROUP NO. -

IRCDUX XCDC AT TIRVEL	IRCDY YCDC AT TIRVEL	IRCDZ ZCDC AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	TIRVEL VELOCITY ALONG ANTENNA AXIS	Z IFF D VELOCITY IN DOWNRANGE DIR
67 4/2	68 1/2	69 4/3	100 4/5	72 4/4	145 4/6	162 4/26

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA
110 27 41.849	0769	65.7751	1.4282	397660.18	2.	-883.051
110 27 43.849	359.9231	65.3357	.7141	397662.18	1.	-84.113
110 27 45.849	359.7034	64.2041	359.6375	397664.19	0.	795.722
110 27 47.849	359.6414	63.5229	.9558	397666.22	2.	-821.744
110 27 49.849	359.7403	63.3362	2.0125	397668.18	1.	-55.994
110 27 51.849	359.8462	63.4241	1.9775	397670.18	0.	773.012
110 27 53.849		63.5999	1.3951	397672.18	2.	-799.075
110 27 55.849	359.8022	63.7427	1.0547	397674.18	1.	-75.629
110 27 57.849	359.7144	63.7866	1.4282	397676.18	0.	724.895
110 27 59.849	359.8462	63.5999	2.2522	397678.18	2.	-772.542
110 28 1.849	11648	62.8638	3.2080	397680.18	1.	-32.442
110 28 3.849	13955	61.6992	3.3179	397682.19	0.	710.429
110 28 5.849	14065	61.9849	1.5381	397684.22	2.	-725.402
110 28 7.849	14285	62.1497	1.0547	397686.19	1.	-62.237
110 28 9.849	14334	62.2335	2.6277	397688.19	0.	661.715
110 28 11.849	14395	61.2598	2.1863	397690.19	2.	-691.745
110 28 13.849	12966	60.1662	1.0217	397692.20	1.	-81.927
110 28 15.849	11094	61.1938	1.9995	397694.19	0.	629.417
110 28 17.849		62.1057	2.5488	397696.19	2.	-672.851
110 28 19.849	11318	61.1719	1.1975	397698.19	1.	-62.054
110 28 21.849	11758	61.8201	1.6919	397700.18	0.	587.517
110 28 23.849	12296	62.5122	2.4390	397702.22	2.	-650.311
110 28 25.849	12800	60.9741	3.1311	397704.19	1.	-23.755
110 28 27.849	13295	59.9854	3.5156	397706.19	0.	569.488
110 28 29.849	13612	60.5786	2.7116	397708.19	2.	-682.784
110 28 31.849	13549	61.0629	2.2412	397710.19	1.	-21.270
110 28 33.849	13437	60.6116	2.8235	397712.19	0.	515.226
110 28 35.849	2.0105	59.6118	3.5156	397714.19	2.	-565.174
110 28 37.849	1.9485	59.8206	2.3621	397716.19	1.	-28.848
110 28 39.849	1.8896	59.8744	1.4392	397718.19	0.	441.247
110 28 41.849	1.7908	59.3042	1.8787	397720.23	2.	-537.096
110 28 43.849	1.7029	58.8428	3.2410	397722.19	1.	-10.181
110 28 45.849	1.3953	59.5349	2.3401	397724.19	0.	443.108
110 28 47.849	1.0427	59.9854	1.8787	397726.19	2.	-512.109
110 28 49.849	.7251	59.5459	2.3291	397728.19	1.	-21.574
110 28 51.849	.5054	58.9417	2.6917	397730.19	0.	408.089
110 28 53.849	.4175	59.5349	3.1201	397732.18	2.	-480.166
110 28 55.849	.2966	60.6995	2.9993	397734.18	1.	-12.120
110 28 57.849	.1208	61.9519	2.4390	397736.18	0.	337.332
110 28 59.849	359.9451	62.2156	2.5818	397738.22	2.	-468.059
110 29 1.849	359.7403	60.4887	2.0435	397740.19	1.	-18.180
110 29 3.849	359.8792	59.5129	2.5378	397742.19	0.	315.862
110 29 5.849	.0000	59.2712	2.8564	397744.19	2.	-421.820
110 29 7.849	.0330	58.9197	1.9556	397746.19	1.	-15.029
110 29 9.849	.0000	59.2932	1.7578	397748.18	0.	272.602
110 29 19.849						

IRCDUX XCDU AT TIRVEL	IRCDUX YCDU AT TIRVEL	IRCDUX ZCDU AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	TIRVEL VELOCITY ALONG ANTENNA AXIS	Z DOT D VELOCITY IN DOWNRANGE DIR							
67	4/2	64	4/2	69	4/3	100	4/5	72	4/4	145	4/6	362	4/26

TIME

HR	MIN	SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110	29	21	3.1531	26.9824	1.8240	397760.07	2.	-301.392	
110	29	23	2.9993	27.4654	1.1865	397762.19	1.	-21.574	
110	29	25	2.8345	27.6306	1.5491	397764.19	0.	256.573	
110	29	27	2.5534	28.1799	1.3846	397766.20	2.	-277.174	
110	29	29	2.8257	28.1909		397768.19	1.	-25.694	
110	29	31	2.4564	28.6404	1.1096	397770.19	0.	215.944	
110	29	33	2.9553	28.5974	1.1465	397772.19	2.	-252.414	
110	29	35	1.0212	28.6633	.9844	397774.19	1.	-21.049	
110	29	37	2.0443	28.7442	1.2524	397776.23	0.	219.994	
110	29	39	2.4125	28.6523	.5164	397778.19	2.	-225.915	
110	29	41	2.5594	28.7842	.2047	397780.20	1.	-25.917	
110	29	43	2.4390	28.6453	.8020	397782.19	0.	206.992	
110	29	45	2.4609	28.8062	.4679	397784.08	2.	-202.602	
110	29	47	2.7000	29.2017	2.2761	397786.20	1.	-26.422	
110	29	49	357.4027	28.2110	4.1854	397788.20	0.	198.003	
110	29	51	357.0115	28.3557	3.7903	397790.19	2.	-174.774	
110	29	53	357.7544	28.3447	3.9001	397792.19	1.	-25.452	
110	29	55	357.3413	27.6746	4.3726	397794.19	0.	179.424	
110	29	57	357.9675	27.8833	4.1968	397796.22	2.	-156.234	
110	29	59	357.6929	28.3118	3.6475	397798.19	1.	-23.270	
110	30	1	357.4622	27.9422	3.0762	397800.19	0.	163.478	
110	30	3	357.7917	27.5977	2.6038	397802.19	2.	-116.528	
110	30	5	357.1543	27.4329	2.6367	397804.18	1.	-19.634	
110	30	7	357.3411	25.4434	2.0004	397806.18	0.	172.730	
110	30	9	357.3041	24.8071	2.2302	397808.19	2.	-112.954	
110	30	11	357.3960	22.6978	2.0944	397810.19	1.	-14.422	
110	30	13	357.2532	22.2251	1.9995	397812.19	0.	144.223	
110	30	15	356.7590	22.9724	2.3950	397814.19	2.	-94.539	
110	30	17	354.3201	23.5327	4.2407	397816.19	1.	-25.210	
110	30	19	354.4519	23.6536	3.5415	397818.19	0.	131.927	
110	30	21	354.3640	23.4144	3.1750	397820.19	2.	-85.266	
110	30	23	353.9645	24.6204	3.6255	397822.22	1.	-14.665	
110	30	25	354.0564	24.5944	3.3944	397824.18	0.	119.272	
110	30	27	354.3091	24.1040	2.6407	397826.18	2.	-74.060	
110	30	29	354.6277	23.4623	2.1973	397828.19	1.	-10.666	
110	30	31	354.2941	24.2908	1.9006	397830.19	0.	107.830	
110	30	33	354.5398	24.4226	1.3074	397832.19	2.	-64.271	
110	30	35	354.9463	25.7629	.1538	397834.20	1.	-11.393	
110	30	37	354.9643	27.8943	359.9670	397836.20	0.	90.667	
110	30	39	355.0671	27.6746	359.8352	397838.19	2.	-59.763	
110	30	41	355.1600	27.4793	359.3958	397840.19	1.	-10.181	
110	30	43	355.0452	26.6454	359.1875	397842.20	0.	75.545	
110	30	45	353.3203	25.4044	359.5056	397844.18	2.	-44.042	
110	30	47	351.3318	25.4333	.8569	397846.18	1.	-10.423	
110	30	49	351.1340	26.0376	.7141	397848.39	0.	63.276	
110	30	51	350.9254	26.4066	1.2524	397850.54	2.	-35.291	

ATTN

CDUs

100-100-100

GROUP NO. - 24

APOLLO 12 LM-6 COMPUTER WORDS

PAGE

IRCDU1 XCDU AT TIME	IRCDU2 YCDU AT TIME	IRCDU3 ZCDU AT TIME	IRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	IRVEL VELOCITY ALONG ANTENNA AXIS	Z INT D VELOCITY IN DOWNRANGE DIR
67 4/2	68 4/2	69 4/3	100 4/5	72 4/4	145 4/6	302 4/26

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA
110 30 51.449	351.1011	27.1669	2.9993	397452.61	1.	-6.545
110 30 55.449	350.7935	27.5694	3.1221	397454.61	0.	39.924
110 30 57.449	349.6934	27.1230	3.9661	397456.62	2.	-27.563
110 30 59.449	347.9919	27.0154	3.7244	397458.63	1.	-3.151
110 31 1.449	346.5457	26.6964	3.4277	397460.61	0.	36.050
110 31 3.449	346.4644	25.9717	3.3955	397462.61	2.	-20.717
110 31 5.449	346.5527	25.6421	359.6444	397464.61	1.	1.454
110 31 7.449		27.0264	355.4446	397466.62	0.	21.670
110 31 9.449	346.1902	23.2541	354.4544	397468.63	2.	-13.524
110 31 11.449	345.7064	16.3257	356.5243	397470.62	1.	1.454
110 31 13.449	346.4603	14.3921	354.6716	397472.61	0.	7.241
110 31 15.449	347.4756	12.3926	347.2110	397474.62	2.	-6.142
110 31 17.449					1.	11.635
110 31 19.449					0.	4.321
110 31 21.449					2.	-6.142
110 31 23.449					1.	11.635
110 31 25.449					0.	4.321
110 31 27.449					2.	-6.142
110 31 29.449					1.	11.635
110 31 31.449					0.	4.321
110 31 33.449					2.	-6.142
110 31 35.449					1.	11.635
110 31 37.449					0.	4.321
110 31 39.449					2.	-6.142
110 31 41.449	344.4324	3.2190	3.1311	397900.04	1.	-7.514
110 31 43.449	344.4534	3.4123	2.9993	397902.20	0.	7.975
110 31 45.449	359.0442	3.6255	2.7136	397904.37	2.	-6.955
110 31 47.449	7.4447	3.7024	2.1643	397906.52	1.	-1.939
110 31 49.449	9.7664	4.4055	1.7574	397908.61	0.	7.401
110 31 51.449	9.4592	4.2737	1.4941	397910.68	2.	-5.410
110 31 53.449	9.4702	4.4055	1.6409	397912.61	1.	-2.242
110 31 55.449	4.6353	5.5920	1.9006	397914.63	0.	5.201
110 31 57.449	9.3344	5.9166	1.7644	397916.61	2.	-3.349
110 31 59.449					1.	6.302
110 32 1.449					0.	4.507
110 32 3.449					2.	-3.349
110 32 5.449					1.	6.302
110 32 7.449					0.	4.507
110 32 9.449	351.7712	2.1463	1.7031	397924.14	2.	-1.030
110 32 11.449	351.4372	3.2943	1.4020	397930.24	1.	-9.970
110 32 13.449	351.2549	2.2142	1.6042	397932.41	0.	5.520
110 32 15.449	351.7932	2.5444	1.6702	397934.52	2.	-1.244
110 32 17.449	351.9690	356.1434	1.5491	397936.62	1.	1.454
110 32 19.449	352.3096	354.4739	1.4567	397938.63	0.	5.520
110 32 21.449	352.3315	359.5935	1.6702	397940.62	2.	-2.705
110 32 23.449		4.1199	359.2459	397942.69	1.	0.000

GROUP NO. -

IRCDUX XCDU AT TIRVEL	IRCDY YCDU AT TIRVEL	IRCDZ ZCDU AT TIRVEL	TIRVEL TIME OF IR VELOCITY READ	VSELECT IR VELOCITY AXIS	IRVEL VELOCITY ALONG ANTENNA AXIS	Z DOT D VELOCITY IN DWRN RANGE DIR
67 4/2	68 4/2	69 4/3	100 4/5	72 4/4	145 4/6	362 4/26

TIME		DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS						
110	32	25.849	352.0679	1.9116	359.6265	397944.62	0.	-1.173
110	32	27.849	351.4701	1.6150	359.5715	397946.61	2.	-1.244
110	32	29.849	351.6504	158.9323	359.6924	397948.62	1.	-2.32
110	32	31.849	351.4636	355.6184	359.8022	397950.61	0.	14.216
110	32	33.849	351.6064	354.9463	359.9341	397952.60	2.	7.342
110	32	35.849	351.2219	357.4841	358.5498	397954.62	1.	-2.909
110	32	37.849					0.	-2.040
110	32	39.849					2.	1.546
110	32	41.849					1.	-2.909
110	32	43.849					0.	-2.040
110	32	45.849					2.	1.546
110	32	47.849					1.	-2.909
110	32	49.849					0.	-2.040
110	32	51.849					2.	1.546
110	32	53.849					1.	-2.909
110	32	55.849					0.	-2.040
110	32	57.849					2.	1.546
110	32	59.849					1.	-2.909
110	33	1.849					0.	-2.040
110	33	3.849					2.	1.546
110	33	5.849					1.	-2.909
110	33	7.849					0.	-2.040
110	33	9.849					2.	1.546
110	33	11.849					1.	-2.909
110	33	13.849					0.	-2.040
110	33	15.849					2.	1.546
110	33	17.849					1.	-2.909
110	33	19.849					0.	-2.040
110	33	21.849					2.	1.546
110	33	23.849					1.	-2.909
110	33	25.849					0.	-2.040
110	33	27.849					2.	1.546
110	33	29.849					1.	-2.909
110	33	31.849					0.	-2.040
110	33	33.849					2.	1.546
110	33	35.849					1.	-2.909
110	33	37.849					0.	-2.040
110	33	39.849					2.	1.546
110	33	41.849					1.	-2.909
110	33	43.849					0.	-2.040
110	33	45.849					2.	1.546
110	33	47.849					1.	-2.909
110	33	49.849					0.	-2.040
110	33	51.849					2.	1.546
110	33	53.849					1.	-2.909
110	33	55.849					0.	-2.040

APOLLO 12 LM-6 DOWNLINK BLEVELS

TAB 1

	DELTA T = 1.04	DELTA T = 1.04	DELTA T = 1.06	DELTA T = 1.06
1 ABORT	1RHC +O	1JET 2+4 FAIL	1SPARE	
2DF STG ATTCO	2RHC -O	2JET 5+8 FAIL	2RR ON LGC	
3ENG ARMED	3RHC +P	3JET 1+3 FAIL	3RR LOW SCALE	
4ABORT STAGE	4RHC -P	4JET 6+7 FAIL	4RR DATA GOOD	
5DPS THRTL ENBL	5RHC + H	5JET 14+16 FAIL	5IR DATA GOOD	
6DSPLAY INT DATA	6RHC -R	6JET 13+15 FAIL	6IR POS 1	
7RR CDU FAIL	7THC +X TRANS	7JET 9+12 FAIL	7IR POS 2	
8SPARE	8THC -X TRANS	8JET 10+11 FAIL	8IR DATA GOOD	
9IMU OPERATE	9THC +Y TRANS	9GIMBAL OFF	9IR LOW SCALE	
APGNCS XTROISC	ATHC -Y TRANS	AAPP GIMBAL FAIL	ABLOCK UPLINK	
BIMU CAGE	BTHC +Z TRANS	BSPARE	BUPLINK FAST	
CIMU CDU FAIL	CTHC -Z TRANS	CSPARE	CDLINK TO EAST	
DIMU FAIL	DATTITUDE HOLD	DSPARE	DPIPA FAIL	
EISS ON REG	EAUTO STAB	EPROCEED KEY	EWARNING	
FTEMP IN LIMIT	FATT CONT OUTDET	FSPARE	FOSC ALARM	
CHANNEL 30	CHANNEL 31	CHANNEL 32	CHANNEL 33	
123456789ABCDEF	123456789ABCDEF	123456789ABCDEF	123456789ABCDEF	
010011101100001	000000000000100	000000000000000	000000000000000	
.....	.....01	.....1	.....1	
.....	.....	.....0	.....
.....	.....	.....	.....1	
.....	.....	.....1	.....
.....	.....	.....0	.....
.....1	.....	.....	.....
.....	.....	.....1	.....
.....	.....	.....0	.....
.....	.....	.....1	.....
.....	.....	.....0	.....
.....0	.....	.....	.....
.....1	.....	.....	.....
.....0	.....	.....	.....
.....1	.....	.....	.....
.....	.....	.....	.....0	
.....	.....	.....1	.....
.....	.....	.....0	.....
.....	.....	.....	.....1	
.....	.....	.....1	.....
*****	*****	*****	*****	
011011101100001	000000000000010	000000000000000	000010111000000	
.....	.....1	.....	.....
.....	.....0	.....	.....
.....	.....10	.....	.....
.....	.....1	.....	.....
.....	.....0	.....	.....

MM MN SEC
 110 10 5.849
 110 12 39.849
 110 13 13.849
 110 13 15.849
 110 15 37.849
 110 16 41.849
 110 16 43.849
 110 20 9.849
 110 20 33.849
 110 20 35.849
 110 22 37.849
 110 22 39.849
 110 23 57.849
 110 24 1.849
 110 24 21.849
 110 24 23.849
 110 24 27.849
 110 24 29.849
 110 26 15.849
 110 26 17.849
 110 26 53.849
 110 26 55.849
 110 29 9.849
 110 29 11.849
 110 29 13.849
 110 29 15.849
 110 29 43.849
 110 30 3.849
 110 30 5.849
 110 30 27.849
 110 30 29.849
 110 30 43.849
 110 30 45.849
 110 30 51.849

APOLLO 12 LM-6 DOWNLINK BILEVELS

TAB 1

DELTA T = 1.84	DELTA T = 1.84	DELTA T = 1.86	DELTA T = 1.86
1ABORT	1RHC +O	1JET 2+4 FAIL	1SPARE
2DE STG ATTCO	2RHC -O	2JET 5+8 FAIL	2RR ON LCC
3ENG ARMED	3RHC +P	3JET 1+3 FAIL	3RR LOW SCALE
4ABORT STAGE	4RHC -P	4JET 6+7 FAIL	4RR DATA GOOD
5DPS THRTH ENBL	5RHC + R	5JET 14+16 FAIL	5LR DATA GOOD
6DISPLAY INT DATA	6RHC -R	6JET 13+15 FAIL	6LR POS 1
7RR CDU FAIL	7THC +X TRANS	7JET 9+12 FAIL	7LR POS 2
8SPARE	8THC -X TRANS	8JET 10+11 FAIL	8LR DATA GOOD
9IMU OPERATE	9THC +Y TRANS	9GIMBAL OFF	9LR LOW SCALE
APONS XTROLS C	ATHC -Y TRANS	AAPP GIMBAL FAIL	ABLOCK UPLINK
0IMU CAGE	BTHC +Z TRANS	BSPARE	BUPLINK FAST
1IMU CDU FAIL	CTHC -Z TRANS	CSPARE	CDNLK TO FAST
2IMU FAIL	DATTITUDE HOLD	DSPARE	DPIPA FAIL
EISS ON REG	EAUTO STAR	EPROCEED KEY	EWARNING
FTEMP IN LIMIT	FATT CONT OUTDET	FSPARE	FOSC ALARM
CHANNEL 30	CHANNEL 31	CHANNEL 32	CHANNEL 33
123456789ABCDEF	123456789ABCDEF	123456789ABCDEF	123456789ABCDEF
011011101100001	100010000000101	000000000000000	000010111000000
.....0.....0.....0.....0.....	.....0.....0.....0.....0.....	.....1.....1.....1.....1.....	.....0.....0.....0.....0.....
.....0.....0.....0.....0.....	.....01.....01.....01.....01.....	.....1.....1.....1.....1.....	.....0.....0.....0.....0.....
.....1.....1.....1.....1.....	.....10.....10.....10.....10.....	.....0.....0.....0.....0.....	.....0.....0.....0.....0.....
.....0.....0.....0.....0.....	.....1.....1.....1.....1.....	.....1.....1.....1.....1.....	.....1.....1.....1.....1.....
.....1.....1.....1.....1.....	.....0.....0.....0.....0.....	.....0.....0.....0.....0.....	.....0.....0.....0.....0.....
.....0.....0.....0.....0.....	*****	*****	*****
110 45 57.849	WAS FINAL TIME		

HR MN SEC

STATUS

110 32 35.849
 110 32 37.849
 110 32 39.849
 110 32 41.849
 110 33 33.849
 110 37 21.849
 110 37 23.849
 110 40 29.849
 110 42 35.849
 110 44 3.849
 110 44 5.849
 110 44 51.849
 110 45 3.849
 110 45 57.849

APOLLO 12 LM-6 DOWNLINK BULEVELS

TAB 4

DELTA T = .#00 DELTA T = .#00 DELTA T = .#20 DELTA T = .#20

HR MN SEC	1XSPFLAG	1RENDFLAG	1ATTEFLG	1TFPSW
110 10 5. #49	2SPARE	2MGLVFLAG	2AUXFLAG	2V#2FMFLG
110 11 39. #49	3KOV FLAG	3SOLNSW	3NTARGFLG	3VRF1FLAG
110 12 37. #49	4NRUPTFLG	4NOHRMON	4SPARE	4L PLOCKFL
110 12 59. #49	5MRUPTFLG	5AORUSFLG	5SPARE	5A VFGFLAG
110 13 9. #49	6PINRFLG	6AXISFLG	6REDFLAG	6V37FLAG
110 13 11. #49	7EDONVFLG	7ENCOONFLG	7SPARE	7IDLEFLAG
110 13 15. #49	8RSMVFLG	8ZOOMFLG	8MUNFLAG	8V67FLAG
110 13 19. #49	9MRKNAFLG	9DSMFLG	9SPAREFLG	9RVSW
110 13 37. #49	ASWAIFLAG	ARNGSCFLAG	AGMBDRVSW	ANORMSW
110 13 45. #49	BSWAIFLAG	BR77FLAG	BSPARF	BSWANDISP
110 14 35. #49	CPDSRFLAG	CNOTHROTL	CS32. 1F3B	CASNFLAG
110 14 37. #49	DSRMI DFLG	DSNUPFER	DS32. 1F3A	DNNGFLAG
110 15 9. #49	EPRIDDF	ESPARE	ES32. 1F2	EMANUFLAG
110 15 21. #49	FBRKIDFLG	FDSKYFLAG	FS32. 1F1	FITSWITCH
110 15 47. #49	FLAGWRD4	FLAGWRD5	FLAGWRD6	FLAGWRD7
110 15 51. #49	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF
110 16 39. #49	00000000000000	000010000100001	00000000000000	011000100000000
110 16 43. #49	.....0.....	.....0.....	.....1.....	.....
110 19 29. #49	.....1.....	.....	.....	.....
110 20 7. #49	.....0.....	.....	.....	.....
110 20 11. #49	.....1.....	.....	.....	.....
110 20 13. #49	.....0.....	.....	.....	.....
110 20 15. #49	.....1.....	.....	.....	.....
110 20 17. #49	.....0.....	.....	.....	.....
110 20 19. #49	.....1.....	.....	.....	.....
110 20 21. #49	.....0.....	.....	.....	.....
110 20 23. #49	.....1.....	.....	.....	.....
110 20 25. #49	.....0.....	.....	.....	.....
110 20 27. #49	.....1.....	.....	.....	.....
110 20 29. #49	.....0.....	.....	.....	.....
110 20 31. #49	.....1.....	.....	.....	.....
110 20 33. #49	.....0.....	.....	.....	.....
110 20 35. #49	.....1.....	.....	.....	.....
110 20 37. #49	.....0.....	.....	.....	.....
110 20 39. #49	.....1.....	.....	.....	.....
110 20 41. #49	.....0.....	.....	.....	.....
110 20 43. #49	.....1.....	.....	.....	.....
110 20 45. #49	.....0.....	.....	.....	.....
110 20 47. #49	.....1.....	.....	.....	.....
110 20 49. #49	.....0.....	.....	.....	.....
110 20 51. #49	.....1.....	.....	.....	.....
110 20 53. #49	.....0.....	.....	.....	.....
110 20 55. #49	.....1.....	.....	.....	.....

APOLLO 12 LM-6 DOWNLINK BILEVELS

TAB 4

	DELTA T = .#00	DELTA T = .#00	DELTA T = .#20	DELTA T = .#20
	1XDSPELFG	1BENDWFLG	1ATTEFLG	1TFPSW
	2SPARE	2MGLVFLG	2AUXFLG	2V#2EMFLG
	3MKOV FLG	3SOLNSW	3NTARFLG	3VERTFLG
	4SRUPTFLG	4NORRMON	4SPARE	4ULOCKFL
	5MRUPTFLG	5AORBSFLG	5SPARE	5AVEGFLG
	6PINDFLG	6CANISFLG	6RFDFLAG	6V37FLG
	7PRONVFLG	7ENGONFLG	7SPARE	7IDLEFLG
	8RMMVFLG	8ZOOMFLG	8MUNFLG	8V67FLG
	9MRKNVFLG	9DMRNFAG	9SPAREFLG	9RVS
	ANWATFLG	ARNOSCFLAG	AGMBDRVSW	ANORMSW
	BNWATFLG	BR77FLG	BSARE	BSWANDISP
	CPDSPEFLG	CNOYHROTL	CS32.1F3B	CSTNFLAG
	DNRMIDFLG	DSNUFFER	DS32.1F3A	DINGFLG
	EPR100IF	ESPARE	ES32.1F2	EMANUFLAG
	FMRKIDFLG	FDSKYFLAG	FS32.1F1	FITSWITCH
	FLAGWRD4	FLAGWRD5	FLAGWRD6	FLAGWRD7
	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF
	000000000000000	000000110000001	010000010000000	0110110000010000
HR MN SEC	.....1.....	.....	.....	.....
110 22 3. #49	.....0.....	.....	.....	.....
110 22 27. #49	.....1.....	.....	.....	.....
110 22 29. #49	.....0.....	.....	.....	.....
110 22 33. #49	.....1.....	.....	.....	.....
110 22 37. #49	.....0.....	.....	.....	.....
110 22 39. #49	.....1.....	.....	.....	.....
110 22 47. #49	.....0.....	.....	.....	.....
110 22 51. #49	.....1.....	.....	.....	.....
110 22 57. #49	.....0.....	.....	.....	.....
110 23 5. #49	.....1.....	.....	.....	.....
110 23 9. #49	.....0.....	.....	.....	.....
110 23 17. #49	.....1.....	.....	.....	.....
110 23 39. #49	.....0.....	.....	.....	.....
110 23 45. #49	.....1.....	.....	.....	.....
110 23 49. #49	.....0.....	.....	.....	.....
110 23 53. #49	.....1.....	.....	.....	.....
110 24 1. #49	.....0.....	.....	.....	.....
110 24 5. #49	.....1.....	.....	.....	.....
110 24 7. #49	.....0.....	.....	.....	.....
110 24 9. #49	1.....0.....1	.....0.....	.....	.....
110 24 11. #49	.....1.....	.....	.....	.....
110 24 15. #49	.....0.....	.....	.....	.....
110 24 17. #49	.....1.....	.....	.....	.....
110 24 27. #49	.....0.....	.....	.....	.....
110 24 29. #49	0.....0.....0	.....0.....	.....	.....
110 24 39. #49	.....1.....	.....	.....	.....
110 24 45. #49	.....0.....	.....	.....	.....
110 24 49. #49	.....1.....	.....	.....	.....
110 24 53. #49	.....0.....	.....	.....	.....
110 25 3. #49	.....1.....	.....	.....	.....
110 25 7. #49	.....0.....	.....	.....	.....
110 25 11. #49	.....1.....	.....	.....	.....
110 25 15. #49	.....0.....	.....	.....	.....



APOLLO 12 LM-6 DOWNLINK RILEVELS

TAB 4

	DELTA T = .600	DELTA T = .800	DELTA T = .820	DELTA T = .820
	1NDSPLAG	1RENDWFLG	1ATTFLG	1TFESW
	2SPARE	2MGLVFLG	2AUXFLAG	2V2EMFLG
	3MOV FLAG	3SOLNSW	3NTARGFLG	3VERIFLAG
	4SRUPTFLG	4NORRMON	4SPARE	4ULOCKFL
	5SRUPTFLG	5AORBFLG	5SPARE	5AVEGFLG
	6PINRFLG	63AXINFLG	6REDFLAG	6V3TFLAG
	7PROXVFLG	7EXGONFLG	7SPARE	7IDLEFLG
	8SRMNVFLG	8ZOOMFLG	8MUNFLG	8V67FLAG
	9MRKXVFLG	9DMENFLG	9SPAREFLG	9RVSW
	ANWAITFLAG	ARNOSCFLAG	ACMBDRVSW	ANORMSW
	BNWAITFLAG	BR77FLAG	BSPARF	BSWANDISP
	CPDSPFLAG	CNOTHROTL	CS32.1F3B	CASTNFLAG
	DNRMI DFLG	DSUFFER	DS32.1F3A	DINGFLAG
	EPR IODLE	ESPARF	ES32.1F2	EMANUFLAG
	FMRKI DFLG	FDSKYFLAG	FS32.1F1	FITSWITCH
	FLAGWRD4	FLAGWRD5	FLAGWRD6	FLAGWRD7
	123456789ABCDEF	123456789ABCDEF	123456789ABCDEF	123456789ABCDEF
STATUS	0000000000000000	0000101100000001	010000010000000	011011000010000
110 25 17.849	.....	.....0.....	.....	.....
110 25 30.849	.....1.....	.....	.....	.....
110 25 43.849	.....	.....1.....	.....	.....
110 25 45.849	.....	.....0.....	.....	.....
110 25 49.849	.....0.....	.....	.....	.....
110 25 51.849	.....	.....0.....	.....	.....
110 25 55.849	.....	.....1.....	.....	.....
110 25 59.849	.....	.....0.....	.....	.....
110 26 1.849	.....	.....1.....	.....	.....
110 26 3.849	.....	.....0.....	.....	.....
110 26 11.849	.....1.....	.....1.....	.....	.....
110 26 13.849	.....	.....0.....	.....	.....
110 26 17.849	.....	.....1.....	.....	.....
110 26 19.849	.....0.....	.....0.....	.....	.....
110 26 25.849	.....	.....1.....	.....	.....
110 26 30.849	.....1.....	.....	.....	.....
110 26 43.849	.....	.....0.....	.....	.....
110 26 45.849	.....0.....	.....	.....	.....
110 26 57.849	.....	.....1.....	.....	.....
110 26 59.849	.....	.....0.....	.....	.....
110 27 1.849	.....	.....1.....	.....	.....
110 27 9.849	.....1.....	.....	.....	.....
110 27 15.849	.....0.....	.....0.....	.....	.....
110 27 17.849	.....	.....1.....	.....	.....
110 27 25.849	.....	.....0.....	.....	.....
110 27 30.849	.....1.....	.....	.....	.....
110 27 41.849	.....0.....	.....	.....	.....
110 27 47.849	.....	.....1.....	.....	.....
110 27 57.849	.....	.....	.....	.....
110 28 15.849	.....	.....1.....	.....	.....
110 28 17.849	.....	.....0.....	.....	.....
110 28 21.849	.....	.....1.....	.....	.....
110 28 23.849	.....	.....0.....	.....	.....

APOLLO 12 LM-6 DOWNLINK BILEVELS

TAB 4

DELTA T = .#00 DELTA T = .#00 DELTA T = .#20 DELTA T = .#20

1XDSPELFG	1HENDWFLG	1ATTEFLG	1TFESW
2SPARE	2MGLVFLG	2AUXFLAG	2V#2EMFLG
3MOV FLAG	3SOLASW	3NTARGFLG	3VERIFLAG
4NRUPTFLG	4NORMON	4SPARE	4UPLCKFL
5NRUPTFLG	5AORBSFLG	5SPARE	5AVGFLG
6PINBFLG	6TAXISFLG	6REDFLAG	6V37FLG
7PRONVFLG	7ENGONFLG	7SPARE	7IDLEFLG
8NRMNVEFLG	8ZOOMFLG	8MUNFLG	8V67FLG
9NRKNVFLG	9DMENFLG	9SPAREFLG	9RVSW
ANWAITFLG	ANNONCFLG	AGMBDRVSW	ANORMSW
BSWAITFLG	BR77FLG	BSPARE	BSWANDISP
CPDSPELFG	CNOTIROTFL	CS32.1F3B	CASNFLAG
DNRMIDFLG	DSNUPFER	DS32.1F3A	DINGFLAG
EPRIDFLG	ESPARE	ES32.1F2	EMANUFLAG
FMRKIDFLG	FDSKYFLAG	FS32.1F1	FITSWITCH
FLAGWRD4	FLAGWRD5	FLAGWRD6	FLAGWRD7

HR. MN SEC

STATUS

1234567*9 ABCDEF	1234567*9 ABCDEF	1234567*9 ABCDEF	1234567*9 ABCDEF
0000000000000000	0000001100000001	0100000100000000	0110110000100000
110 28 53.849	.....1.....	.....1.....	.....1.....
110 28 59.849	.....0.....	.....0.....	.....0.....
110 29 1.849	.....1.....	.....1.....	.....1.....
110 29 11.849	.....1.....	.....1.....	.....1.....
110 29 13.849	.....0.....	.....1.....	.....1.....
110 29 17.849	.....1.....	.....1.....	.....1.....
110 29 27.849	.....0.....	.....0.....	.....0.....
110 29 35.849	.....1.....	.....1.....	.....1.....
110 29 45.849	.....0.....	.....0.....	.....0.....
110 29 47.849	.....1.....	.....1.....	.....1.....
110 29 51.849	.....0.....	.....0.....	.....0.....
110 29 53.849	.....1.....	.....1.....	.....1.....
110 29 59.849	.....0.....	.....0.....	.....0.....
110 30 7.849	.....1.....	.....1.....	.....1.....
110 30 13.849	.....0.....	.....0.....	.....0.....
110 30 15.849	.....1.....	.....1.....	.....1.....
110 30 19.849	.....0.....	.....0.....	.....0.....
110 30 27.849	.....1.....	.....1.....	.....1.....
110 30 29.849	.....0.....	.....0.....	.....0.....
110 30 35.849	.....1.....	.....1.....	.....1.....
110 30 43.849	.....0.....	.....0.....	.....0.....
110 30 45.849	.....1.....	.....1.....	.....1.....
110 30 47.849	.....0.....	.....0.....	.....0.....
110 30 57.849	.....0.....	.....0.....	.....0.....
110 30 59.849	.....1.....	.....1.....	.....1.....
110 31 15.849	.....0.....	.....0.....	.....0.....
110 31 19.849	.....1.....	.....1.....	.....1.....
110 31 25.849	.....0.....	.....0.....	.....0.....
110 31 27.849	.....1.....	.....1.....	.....1.....
110 31 29.849	.....0.....	.....0.....	.....0.....
110 31 35.849	.....1.....	.....1.....	.....1.....
110 31 41.849	.....0.....	.....0.....	.....0.....
110 31 47.849	.....1.....	.....1.....	.....1.....

TAB 4

	DELTA T = .#00	DELTA T = .#00	DELTA T = .#20	DELTA T = .#20
	1XDSPELAG	1RENDFELG	1ATTEFLG	1TFESW
	2SPARE	2MGVEFLAG	2AUXFLAG	2V#2FMFLG
	3SKOV FLAG	3SOUSW	3NTARGFLG	3VERIFLAG
	4NRDPTFLG	4NORRSON	4SPARE	4PLDCKFL
	5MUPTEFLG	5AORBSFLG	5SPARE	5AVEGFLAG
	6PINRFLG	6AXISFLG	6RFDFLAG	6V37FLAG
	7PRONVFLG	7ENCDFELG	7SPARE	7IDLEFLAG
	*NRMNFLG	*ZOOMFLG	*MUNFLG	*V67FLG
	9MBKNVFLG	9DMENFLG	9SPAREFLG	9RVSW
	ANWATEFLAG	ARNGSCFLAG	AGMBDIVSW	ANORNSW
	BWATEFLAG	BR77FLAG	BSPARE	BSWANDISP
	CPDSPELAG	CNOTHROTL	CS32.1F3B	CASNFLAG
	DNRNDFELG	DSNUFFER	DS32.1F3A	DINGFLAG
	EPRIDFLG	ESPARE	ES32.1F2	EMANUFLAG
	FMRKIDFLG	FDSKYFLAG	FS32.1F1	FITSWITCH
	FLAGWRD4	FLAGWRD5	FLAGWRD6	FLAGWRD7
	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF	1234567*9ABCDEF
STATUS	000000000000100	000010110000001	010000010000000	011011000010000
110 31 51.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 31 53.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 31 55.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 31 59.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 32 1.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 32 3.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 32 5.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 32 7.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 32 9.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 32 11.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 32 13.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 32 17.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 32 23.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 32 33.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 34 57.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 35 27.#49	.....0.....	.....0.....	.....0.....	.....01.....
110 35 29.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 36 3.#49	.....0.....	.....0.....	.....1.....	.....1.....
110 36 53.#49	.....0.....	.....0.....	.....1.....	.....1.....
110 36 55.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 37 23.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 39 51.#49	.....1.....	.....1.....	.....1.....	.....1.....
110 39 55.#49	.....0.....	.....0.....	.....0.....	.....0.....
110 43 47.#491.....1.....1.....1.....
110 44 1.#490.....0.....0.....0.....
110 45 47.#491.....1.....1.....1.....
110 45 57.#491.....1.....1.....1.....
	WAS FINAL TIME			

PIPAS

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 10-10-68

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APOLLO 12 LM-6 COMPUTER WORDS

PAGE 1

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELAYS	DELY X SCALED XPIP COUNTS	DELY Y SCALED YPIP COUNTS	DELY Z SCALED ZPIP COUNTS
16# 0,2/77	16# 0,2/7#	170 0,2/7#	190 3-5/95	26 3-5/96	27 3-5/97	2# 3-5/9#

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS							
110	10	5 .#49	-951	6	1#79	XXXXXX	XXXXXX	XXXXXX	XXXXXX
110	10	7 .#49	-952		1#80				
110	10	9 .#49	-953		1#82				
110	10	11 .#49			1#83				
110	10	13 .#49	-954		1#85				
110	10	15 .#49			1#86				
110	10	17 .#49	-956		1#87				
110	10	19 .#49			1#89				
110	10	21 .#49	-957		1#90				
110	10	23 .#49			1#92				
110	10	25 .#49	-95#		1#93				
110	10	27 .#49	-959		1#94				
110	10	29 .#49	-960		1#96				
110	10	31 .#49			1#97				
110	10	33 .#49	-961		1#9#				
110	10	35 .#49	-962		1900				
110	10	37 .#49			1901				
110	10	39 .#49	-963		1903				
110	10	41 .#49	-964		1904				
110	10	43 .#49			1905				
110	10	45 .#49	-965		1907				
110	10	47 .#49	-966		190#				
110	10	49 .#49	-967		1910				
110	10	51 .#49			1911				
110	10	51 .#49	-96#		1912				
110	10	55 .#49	-969		1914				
110	10	57 .#49	-970		1915				
110	10	59 .#49			1916				
110	11	1 .#49	971		191#				
110	11	3 .#49	-972		1919				
110	11	5 .#49			1921				
110	11	7 .#49	-973		1922				
110	11	9 .#49	-974		1923				
110	11	11 .#49			1925				
110	11	13 .#49	-975		1926				
110	11	15 .#49	-976		1927				
110	11	17 .#49			1929				
110	11	19 .#49	-977		1930				
110	11	21 .#49	-97#		1932				
110	11	23 .#49	-979		1933				
110	11	25 .#49			1934				
110	11	27 .#49	-9#0		1936				
110	11	29 .#49	-9#1		1937				
110	11	31 .#49			1939				
110	11	33 .#49	-9#2		1940				
110	11	35 .#49	-9#3		1942				

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APOLLO 12 LM-6 COMPUTER WORDS

PAGE 2

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
168 0,2/77	169 0,2/78	170 0,2/78	190 3-5/95	26 3-5/96	27 3-5/97	28 3-5/98

TIME		DATA	DATA	DATA	DATA	DATA	DATA	
HR	MIN SECS							
110	11 17.449	-984.		1943.				
110	11 19.449			1944.				
110	11 21.449	-985.		1946.				
110	11 23.449	-986.		1947.				
110	11 25.449			1948.				
110	11 27.449	-987.		1950.				
110	11 29.449	-988.		1951.				
110	11 31.449			1952.				
110	11 33.449	-989.		1954.				
110	11 35.449	-990.		1955.				
110	11 37.449	-991.		1957.				
110	11 39.449			1958.				
110	12 1.449	-992.		1959.				
110	12 3.449	-993.		1961.				
110	12 5.449			1962.				
110	12 7.449	-994.		1964.				
110	12 9.449	-995.		1965.				
110	12 11.449	-996.		1966.				
110	12 13.449			1968.				
110	12 15.449	-997.		1969.				
110	12 17.449	-998.		1970.				
110	12 19.449			1972.				
110	12 21.449	-999.		1973.				
110	12 23.449	-1000.		1975.				
110	12 25.449	-1001.		1976.				
110	12 27.449			1977.				
110	12 29.449	-1002.		1979.				
110	12 31.449	-1003.		1980.				
110	12 33.449			1982.				
110	12 35.449	-1004.		1983.				
110	12 37.449	XXXXXX	XXXXXX	XXXXXX	397263.41	1.	-0.	1.
110	12 55.449				397263.1A			
110	12 57.449				397263.41			
110	14 15.449				XXXXXX	XXXXXX	XXXXXX	XXXXXX
110	14 35.449				397263.41	1.	-0.	1.
110	17 21.449				397207.51			
110	20 7.449					-1162.	A.	2295.
110	20 9.449				397209.51	-0.	-0.	-0.
110	20 11.449				397211.51	1.		1.
110	20 13.449				397213.51	-0.		-0.
110	20 15.449				397215.51			
110	20 17.449				397217.51			1.
110	20 19.449				397219.51	1.		-0.
110	20 21.449				397221.51	-0.		
110	20 23.449				397223.51			1.
110	20 25.449				397225.51	1.		-0.

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APOLLO 12 LM-6 COMPUTER WORDS

PAGE 1

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S 190 3-5/95	DELV X SCALED XPIP COUNTS 26 3-5/96	DELV Y SCALED YPIP COUNTS 27 3-5/97	DELV Z SCALED ZPIP COUNTS 28 3-5/98
168	0,2/77	169	0,2/78	170	0,2/78	

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS							
110	20	27.849			397227.51	-0.			1
110	20	29.849			397229.51			1.	-0.
110	20	31.849			397231.51	-2.		-1.	-7
110	20	33.849			397233.51	-3.			-10.
110	20	35.849			397235.51				-9.
110	20	37.849			397237.51			-0.	-10.
110	20	39.849			397239.51	-8.		-2.	-28.
110	20	41.849			397241.51	-24.		-6.	-80.
110	20	43.849			397243.51			-5.	-81.
110	20	45.849			397245.51	-25.		-6.	
110	20	47.849			397247.51				-80.
110	20	49.849			397249.51				-81.
110	20	51.849			397251.51	-26.		-7.	-80.
110	20	53.849			397253.51			-6.	
110	20	55.849			397255.51				
110	20	57.849			397257.51			-5.	
110	20	59.849			397259.51			-6.	-81.
110	21	1.849			397261.51			-5.	-80.
110	21	3.849			397263.51				-81.
110	21	5.849			397265.51	-140.		-28.	-437.
110	21	7.849			397267.51	-172.		-37.	-549.
110	21	9.849			397269.51	-157.		-16.	-553.
110	21	11.849			397271.51	-156.			-556.
110	21	13.849			397273.51	-155.		-39.	-555.
110	21	15.849			397275.51	-158.		-38.	-557.
110	21	17.849			397277.51	-163.		-37.	-555.
110	21	19.849			397279.51	-168.			-556.
110	21	21.849			397281.51			-38.	-557.
110	21	23.849			397283.51	-167.			-558.
110	21	25.849			397285.51	-161.		-37.	-562.
110	21	27.849			397287.51	-155.		-35.	-565.
110	21	29.849			397289.51	-150.		-33.	-562.
110	21	31.849			397291.51	-144.			-570.
110	21	33.849			397293.51	-138.		-36.	-574.
110	21	35.849			397295.51	-132.		-37.	-576.
110	21	37.849			397297.51	-127.			-579.
110	21	39.849			397299.51	-123.			-581.
110	21	41.849			397301.51	-122.			-583.
110	21	43.849			397303.51	-121.		-38.	-584.
110	21	45.849			397305.51			-36.	-585.
110	21	47.849			397307.51	-117.		-35.	-589.
110	21	49.849			397309.51	-113.			
110	21	51.849			397311.51	-109.		-36.	-593.
110	21	53.849			397313.51	-105.		-34.	-594.
110	21	55.849			397315.51	-100.			-596.
110	21	57.849			397317.51	-95.		-32.	-599.

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APOLLO 12 IN-6 COMPUTER WORDS

PAGE 4

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
16# 0,2/77	169 0,2/78	170 0,2/78	190 3-5/95	26 3-5/96	27 3-5/97	2# 3-5/98

TIME			DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS						
110	21	59.449			397319.51	-30.		-601.
110	22	1.449			397321.51	-49.	-10	-601.
110	22	3.449			397323.51	-44.	-23.	-603.
110	22	5.449			397325.51	-46.		-605.
110	22	7.449			397327.51	-43.	-24.	-609.
110	22	9.449			397329.51	-41.		
110	22	11.449			397331.51	-77.	-26.	-611.
110	22	13.449			397333.51	-71.		-614.
110	22	15.449			397335.51	-67.	-25.	-615.
110	22	17.449			397337.51	-63.	-26.	-614.
110	22	19.449			397339.51	-61.	-24.	
110	22	21.449			397341.51	-57.		-621.
110	22	23.449			397343.51	-53.		-622.
110	22	25.449			397345.51	-49.		-624.
110	22	27.449			397347.51	-47.	-26.	-626.
110	22	29.449			397349.51	-42.	-24.	-627.
110	22	31.449			397351.51	-38.	-25.	-630.
110	22	33.449			397353.51	-32.		
110	22	35.449			397355.51	-29.	-26.	-634.
110	22	37.449			397357.51	-27.	-27.	
110	22	39.449			397359.51	-26.	-24.	-635.
110	22	41.449			397361.51	-21.	-32.	-637.
110	22	43.449			397363.51			-638.
110	22	45.449			397365.51	-19.	-30.	-640.
110	22	47.449			397367.51		-24.	-642.
110	22	49.449			397369.51	-5.	-21.	-643.
110	22	51.449			397371.51	-27.	-22.	-645.
110	22	53.449			397373.51	-10.	-23.	-647.
110	22	55.449			397375.51	-4.	-21.	
110	22	57.449			397377.51	-1.	-22.	-650.
110	22	59.449			397379.51	4.	-21.	-652.
110	23	1.449			397381.51	6.	-22.	-653.
110	23	3.449			397383.51	9.	-20.	-654.
110	23	5.449			397385.51	12.	-21.	-656.
110	23	7.449			397387.51	15.	-18.	-657.
110	23	9.449			397389.51	18.	-20.	-658.
110	23	11.449			397391.51	22.		-660.
110	23	13.449			397393.51	23.		-662.
110	23	15.449			397395.51	24.	-17.	-663.
110	23	17.449			397397.51	26.	-16.	-665.
110	23	19.449			397399.51	29.	-19.	-666.
110	23	21.449			397401.51	31.	-21.	-668.
110	23	23.449			397403.51	38.	-24.	
110	23	25.449			397405.51	47.	-25.	-671.
110	23	27.449			397407.51	54.	-22.	
110	23	29.449			397409.51		-19.	-673.

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APOLLO 12 LM-6 COMPUTER WORDS

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PIPA X ACCUM. ACCELFROM. PULSES	PIPA Y ACCUM. ACCELFROM. PULSES	PIPA Z ACCUM. ACCELFROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
168	0,2/77	169	0,2/78	170	0,2/78	

TIME			DATA	DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS							
110	21	11.849			397411.51	49.	-16.		-675.
110	21	13.849			397413.51	41.	-10.		-677.
110	21	15.849			397415.51	36.	-8.		-678.
110	21	17.849			397417.51	39.			-680.
110	21	19.849			397419.51	47.	-10.		-681.
110	21	41.849			397421.51	57.	-12.		-683.
110	21	43.849			397423.51	65.	-13.		-684.
110	23	45.849			397425.51	69.			-685.
110	23	47.849			397427.51	71.	-12.		-686.
110	23	49.849			397429.51	73.	-11.		-688.
110	23	51.849			397431.51	75.	-14.		-689.
110	23	53.849			397433.51	78.	-16.		-690.
110	23	55.849			397435.51	80.	-19.		-692.
110	23	57.849			397437.51	84.	-17.		-693.
110	23	59.849			397439.51	87.	-11.		-694.
110	24	1.849			397441.51	89.	-9.		-697.
110	24	3.849			397443.51	90.	-10.		
110	24	5.849			397445.51	91.			-700.
110	24	7.849			397447.51	93.	-9.		-701.
110	24	9.849			397449.51	94.	-8.		-703.
110	24	11.849			397451.51	95.	-10.		-704.
110	24	13.849			397453.51	97.			-706.
110	24	15.849			397455.51	101.	-7.		
110	24	17.849			397457.51	105.	-8.		-709.
110	24	19.849			397459.51	108.	-10.		
110	24	21.849			397461.51	111.	-14.		-711.
110	24	23.849			397463.51	114.	-11.		-712.
110	24	25.849			397465.51	115.	-10.		-714.
110	24	27.849			397467.51	120.	-7.		-716.
110	24	29.849			397469.51	124.	-5.		-717.
110	24	31.849			397471.51	123.	-7.		-718.
110	24	33.849			397473.51	121.	-10.		-720.
110	24	35.849			397475.51	123.			-721.
110	24	37.849			397477.51	129.	-5.		-722.
110	24	39.849			397479.51	136.	3.		-724.
110	24	41.849			397481.51	141.	5.		-726.
110	24	43.849			397483.51	142.	-1.		-727.
110	24	45.849			397485.51	143.	-4.		-729.
110	24	47.849			397487.51	141.	-3.		
110	24	49.849			397489.51	142.	-5.		-732.
110	24	51.849			397491.51	144.	-12.		
110	24	53.849			397493.51	147.			-736.
110	24	55.849			397495.51	151.	-13.		
110	24	57.849			397497.51	155.	-7.		-739.
110	24	59.849			397499.51	156.	-3.		-740.
110	25	1.849			397501.51	153.	-2.		-742.

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
168 0.2/77	169 0.2/77	170 0.2/77	190 3-5/95	26 3-5/96	27 3-5/97	28 3-5/98

TIME		DATA	DATA	DATA	DATA	DATA	DATA
MIN	SECS						
110	25 3.849				397503.51	151.	-743.
110	25 5.849				397505.51	154.	-745.
110	25 7.849				397507.51	163.	-747.
110	25 9.849				397509.51	174.	-748.
110	25 11.849				397511.51	177.	-749.
110	25 13.849				397513.51	179.	-752.
110	25 15.849				397515.51	154.	-754.
110	25 17.849				397517.51	152.	-756.
110	25 19.849				397519.51	164.	-757.
110	25 21.849				397521.51	181.	-761.
110	25 23.849				397523.51	187.	-759.
110	25 25.849				397525.51	174.	-762.
110	25 27.849				397527.51	170.	-763.
110	25 29.849				397529.51	181.	-765.
110	25 31.849				397531.51	186.	-768.
110	25 33.849				397533.51	184.	-771.
110	25 35.849				397535.51	180.	-774.
110	25 37.849				397537.51	184.	-772.
110	25 39.849				397539.51	198.	-773.
110	25 41.849				397541.51	205.	-775.
110	25 43.849				397543.51	198.	-778.
110	25 45.849				397545.51	191.	-781.
110	25 47.849				397547.51	199.	-782.
110	25 49.849				397549.51	203.	-784.
110	25 51.849				397551.51	197.	-783.
110	25 53.849				397553.51	198.	-789.
110	25 55.849				397555.51	206.	-793.
110	25 57.849				397557.51	204.	-791.
110	25 59.849				397559.51	202.	-793.
110	26 1.849				397561.51	210.	-801.
110	26 3.849				397563.51	219.	-800.
110	26 5.849				397565.51	217.	-797.
110	26 7.849				397567.51	213.	-799.
110	26 9.849				397569.51	226.	-805.
110	26 11.849				397571.51	234.	-803.
110	26 13.849				397573.51	235.	-809.
110	26 15.849				397575.51	234.	-805.
110	26 17.849				397577.51	237.	-808.
110	26 19.849				397579.51	239.	-811.
110	26 21.849				397581.51	249.	-815.
110	26 23.849				397583.51	251.	-813.
110	26 25.849				397585.51	249.	-815.
110	26 27.849				397587.51	248.	-818.
110	26 29.849				397589.51	250.	-825.
110	26 31.849				397591.51	257.	-822.
110	26 33.849				397593.51	261.	-822.

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APOLLO 12 LM 6 COMPUTER WORDS

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PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELVS	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
16*	0,2/77	169	0,2/78	170	0,2/78	

TIME			DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS						
110	26	35.849			397595.51		275.	-#18.
110	26	37.849			397597.51		293.	-#13.
110	26	39.849			397599.51		288.	-#25.
110	26	41.849			397601.51		279.	-#26.
110	26	43.849			397603.51		282.	-#29.
110	26	45.849			397605.51		292.	-#26.
110	26	47.849			397607.51		298.	-#27.
110	26	49.849			397609.51		291.	-#37.
110	26	51.849			397611.51		284.	-#39.
110	26	53.849			397613.51		296.	-#34.
110	26	55.849			397615.51		316.	-#33.
110	26	57.849			397617.51		315.	-#38.
110	26	59.849			397619.51		310.	-#41.
110	27	1.849			397621.51		284.	-#74.
110	27	3.849			397623.51		196.	-#27.
110	27	5.849			397625.51		193.	-#50.
110	27	7.849			397627.51		184.	-#78.
110	27	9.849			397629.51		193.	-#95.
110	27	11.849			397631.51		201.	-#88.
110	27	13.849			397633.51		206.	-#93.
110	27	15.849			397635.51		208.	-#70.
110	27	17.849			397637.51		210.	-#84.
110	27	19.849			397639.51		211.	-#97.
110	27	21.849			397641.51		209.	-#96.
110	27	23.849			397643.51		210.	-#86.
110	27	25.849			397645.51		219.	-#98.
110	27	27.849			397647.51		225.	-#52.
110	27	29.849			397649.51		218.	-#89.
110	27	31.849			397651.51		221.	-#94.
110	27	33.849			397653.51		238.	-#98.
110	27	35.849			397655.51		236.	-#94.
110	27	37.849			397657.51		232.	-#93.
110	27	39.849			397659.51		231.	-#97.
110	27	41.849			397661.51		235.	-#52.
110	27	43.849			397663.51		242.	-#51.
110	27	45.849			397665.51		248.	-#59.
110	27	47.849			397667.51		256.	-#55.
110	27	49.849			397669.51			19.
110	27	51.849			397671.51		251.	17.
110	27	53.849			397673.51		255.	12.
110	27	55.849			397675.51		254.	9.
110	27	57.849			397677.51			13.
110	27	59.849			397679.51		255.	23.
110	28	1.849			397681.51		265.	32.
110	28	3.849			397683.51		271.	27.
110	28	5.849			397685.51		270.	20.

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TPIP TIME ASSOC. WITH DELV'S 190 3-5/95	DELV X SCALED XPIP COUNTS 26 3-5/96	DELV Y SCALED YPIP COUNTS 27 3-5/97	DELV Z SCALED ZPIP COUNTS 28 3-5/98
168	0,2/77	169	0,2/78	170	0,2/78	

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 28 7.849			397647.51		289.		-505
110 28 9.849			397649.51		276.	23.	-501.
110 28 11.849			397691.51		243.	22.	-504.
110 28 13.849			397693.51		244.	18.	-505.
110 28 15.849			397695.51		242.	22.	
110 28 17.849			397697.51		241.	21.	-503.
110 28 19.849			397699.51		241.	14.	-513.
110 28 21.849			397701.51		241.		-512.
110 28 23.849			397703.51			25.	-509.
110 28 25.849			397705.51	294.		33.	-511.
110 28 27.849			397707.51	299.		31.	-514.
110 28 29.849			397709.51	295.		26.	-512.
110 28 31.849			397711.51	292.		24.	
110 28 33.849			397713.51	294.		40.	-514.
110 28 35.849			397715.51	293.		31.	-514.
110 28 37.849			397717.51			23.	-516.
110 28 39.849			397719.51			14.	-514.
110 28 41.849			397721.51	304.		25.	-514.
110 28 43.849			397723.51	312.		30.	-519.
110 28 45.849			397725.51	307.		24.	-521.
110 28 47.849			397727.51	309.			
110 28 49.849			397729.51	312.		26.	-520.
110 28 51.849			397731.51	317.		32.	-521.
110 28 53.849			397733.51	314.		33.	
110 28 55.849			397735.51	303.		31.	-529.
110 28 57.849			397737.51	296.		29.	-532.
110 28 59.849			397739.51	300.		20.	-533.
110 29 1.849			397741.51	311.			-517.
110 29 3.849			397743.51	320.		24.	-524.
110 29 5.849			397745.51	322.			-527.
110 29 7.849			397747.51			23.	-533.
110 29 9.849			397749.51	318.		19.	-534.
110 29 11.849			397751.51	320.		24.	-514.
110 29 13.849			397753.51	349.		16.	-446.
110 29 15.849			397755.51	513.		17.	-347.
110 29 17.849			397757.51	556.		16.	-297.
110 29 19.849			397759.51	533.		17.	-274.
110 29 21.849			397761.51	532.		13.	-264.
110 29 23.849			397763.51	526.		17.	-262.
110 29 25.849			397765.51	520.		15.	-264.
110 29 27.849			397767.51	513.		16.	-264.
110 29 29.849			397769.51	505.		12.	
110 29 31.849			397771.51	500.		9.	-262.
110 29 33.849			397773.51	493.		7.	-253.
110 29 35.849			397775.51	449.		8.	-261.
110 29 37.849			397777.51	444.			-259.

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APOLLO 12 LM-6 COMPUTER WORDS

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PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
16*	0,2/77	169	0,2/7*	176	0,2/7*	

TIME			DATA	DATA	DATA	DATA	DATA	DATA	
HR	MIN	SECS							
110	29	19	.849			397779.51	480.	5.	-257.
110	29	41	.849			397781.51	470.		-252.
110	29	41	.849			397783.51	466.	2.	-251.
110	29	45	.849			397785.51	459.	15.	-249.
110	29	47	.849			397787.51	452.	22.	-247.
110	29	49	.849			397789.51	451.	25.	-240.
110	29	51	.849			397791.51	444.	37.	-244.
110	29	51	.849			397793.51	439.	16.	-242.
110	29	55	.849			397795.51	438.	37.	-240.
110	29	57	.849			397797.51	430.		-225.
110	29	59	.849			397799.51	421.	30.	-218.
110	30	1	.849			397801.51	419.	25.	-216.
110	30	3	.849			XXXXXX	XXXXXX	XXXXXX	XXXXXX
110	30	5	.849			397805.51	407.	22.	-202.
110	30	7	.849			397807.51		20.	-194.
110	30	9	.849			397809.51	403.	19.	-173.
110	30	11	.849			397811.51		17.	-167.
110	30	13	.849			397813.51	402.	20.	-166.
110	30	15	.849			397815.51	394.	23.	-161.
110	30	17	.849			397817.51	389.	20.	-162.
110	30	19	.849			397819.51	385.	29.	-165.
110	30	21	.849			397821.51	383.	25.	-168.
110	30	23	.849			397823.51	377.	24.	-165.
110	30	25	.849			397825.51	370.	23.	-163.
110	30	27	.849			397827.51		18.	-161.
110	30	29	.849			397829.51	369.		-162.
110	30	31	.849			397831.51	364.	13.	-158.
110	30	33	.849			397833.51	361.	5.	-166.
110	30	35	.849			397835.51	359.	6.	-172.
110	30	37	.849			397837.51	352.	-2.	-176.
110	30	39	.849			397839.51	347.		-177.
110	30	41	.849			397841.51		-4.	-174.
110	30	43	.849			397843.51	345.	-1.	-169.
110	30	45	.849			397845.51	343.	-2.	-162.
110	30	47	.849			397847.51	392.	5.	-184.
110	30	49	.849			397849.51		4.	-188.
110	30	51	.849			397851.51	346.	15.	-173.
110	30	53	.849			397853.51	326.	17.	-165.
110	30	55	.849			397855.51	324.	24.	
110	30	57	.849			397857.51	323.		-163.
110	30	59	.849			397859.51	324.	27.	
110	31	1	.849			397861.51	326.	7.	-156.
110	31	3	.849			397863.51	321.	13.	
110	31	5	.849			397865.51	326.	-17.	-160.
110	31	7	.849			397867.51	323.	-9.	-149.
110	31	9	.849			397869.51	335.	-30.	-139.

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S 190 3-5/95	DELV X SCALED XPIP COUNTS 26 3-5/96	DELV Y SCALED YPIP COUNTS 27 3-5/97	DELV Z SCALED ZPIP COUNTS 28 3-5/98
168 0,2/77	169 0,2/78	170 0,2/78				

TIME			DATA	DATA	DATA	DATA	DATA	DATA
HR	MIN	SECS						
110	31	11.849			397871.51	327.	-31.	-106.
110	31	13.849			397873.51	361.	-53.	-83.
110	31	15.849			397875.51	366.		-67.
110	31	17.849			397877.51	363.	-78.	-36.
110	31	19.849			397879.51	336.	-66.	-16.
110	31	21.849			397881.51	312.	-54.	20.
110	31	23.849			397883.51	295.	-50.	18.
110	31	25.849			397885.51	241.	-27.	11.
110	31	27.849			397887.51	296.	-24.	13.
110	31	29.849			397889.51	314.	-6.	7.
110	31	31.849			397891.51	329.	-2.	5.
110	31	33.849			397893.51	320.	-4.	8.
110	31	35.849			397895.51	325.	15.	-14.
110	31	37.849			397897.51	329.	7.	-6.
110	31	39.849			397899.51	320.	14.	-16.
110	31	41.849			397901.51	324.	15.	-17.
110	31	43.849			397903.51	330.		-20.
110	31	45.849			397905.51	320.	13.	-16.
110	31	47.849			397907.51	330.	21.	-22.
110	31	49.849			397909.51		11.	-14.
110	31	51.849			397911.51	374.	12.	-25.
110	31	53.849			397913.51	362.	10.	-24.
110	31	55.849			397915.51	340.	7.	-24.
110	31	57.849			397917.51	338.	20.	-31.
110	31	59.849			397919.51	325.	14.	-33.
110	32	1.849			397921.51	322.	-19.	-23.
110	32	3.849			397923.51	324.	6.	-27.
110	32	5.849			397925.51	331.	-2.	-13.
110	32	7.849			397927.51	320.	-1.	-9.
110	32	9.849			397929.51	347.	1.	-11.
110	32	11.849			397931.51	330.	6.	-9.
110	32	13.849			397933.51	301.	2.	-4.
110	32	15.849			397935.51	305.	9.	18.
110	32	17.849			397937.51	347.	6.	6.
110	32	19.849			397939.51	323.	8.	22.
110	32	21.849			397941.51	301.	-0.	3.
110	32	23.849			397943.51	349.	1.	-6.
110	32	25.849			397945.51	311.	-3.	-22.
110	32	27.849			397947.51	331.	-1.	9.
110	32	29.849			397949.51	328.		18.
110	32	31.849			397951.51	329.	-3.	9.
110	32	33.849			397953.51	339.	-5.	8.
110	32	35.849			397955.51	266.	-12.	-66.
110	32	37.849			397957.51	397.	24.	12.
110	32	39.849			397959.51	325.	-0.	-0.
110	32	41.849			397961.51			

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APOLLO 12 LM 6 COMPUTER WORDS

PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELAYS	DELTA X SCALED XPIP COUNTS	DELTA Y SCALED YPIP COUNTS	DELTA Z SCALED ZPIP COUNTS
168 0.2 77	169 0.2 78	170 0.2 78	490 3-5/95	26 3-5/96	27 3-5/97	28 3-5/98

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 32 43 .849				397953.51		-1.	1.
110 32 45 .849				397965.51	324.	-0.	-0.
110 32 47 .849				397967.51	325.	-1.	
110 32 49 .849				397969.51		-0.	
110 32 51 .849				397971.51			
110 32 53 .849				397973.51		-1.	1.
110 32 55 .849				397975.51		-0.	-0.
110 32 57 .849				397977.51		-1.	
110 32 59 .849				397979.51		-0.	
110 33 1 .849				397981.51		-1.	
110 33 3 .849				397983.51		-0.	
110 33 5 .849				397985.51		-1.	1.
110 33 7 .849				397987.51	324.	-0.	-0.
110 33 9 .849				397989.51	326.		
110 33 11 .849				397991.51	324.	-1.	
110 33 13 .849				397993.51	325.	-0.	
110 33 15 .849				397995.51		-1.	1.
110 33 17 .849				397997.51		-0.	-0.
110 33 19 .849				397999.51			
110 33 21 .849				398001.51		-1.	
110 33 23 .849				398003.51			
110 33 25 .849				398005.51	324.	-0.	
110 33 27 .849				398007.51	326.		
110 33 29 .849				398009.51	324.	-1.	1.
110 33 31 .849				398011.51	326.	-0.	-0.
110 33 33 .849				398013.51	324.	-1.	
110 33 35 .849				398015.51	325.	-0.	
110 33 37 .849				398017.51		-1.	
110 33 39 .849				398019.51		-0.	
110 33 41 .849				398021.51		-1.	1.
110 33 43 .849				398023.51		-0.	-0.
110 33 45 .849				398025.51			
110 33 47 .849				398027.51	324.	-1.	
110 33 49 .849				398029.51	325.	-0.	
110 33 51 .849				398031.51		-1.	
110 33 53 .849				398033.51		-0.	
110 33 55 .849				398035.51		-1.	1.
110 33 57 .849				398037.51		-0.	-0.
110 33 59 .849				398039.51			
110 34 1 .849				398041.51		-1.	
110 34 3 .849				398043.51		-0.	
110 34 5 .849				398045.51		-1.	
110 34 7 .849				398047.51		-0.	
110 34 9 .849				398049.51		-1.	
110 34 11 .849				398051.51	324.	-0.	1.
110 34 13 .849				398053.51	325.		-0.

K O B A K S A F E T Y A F I L M

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APOLLO 12 LM-6 COMPUTER WORDS

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PIPA X ACCUM. ACCELEROM. PULSES	PIPA Y ACCUM. ACCELEROM. PULSES	PIPA Z ACCUM. ACCELEROM. PULSES	TRIP TIME ASSOC. WITH DELV'S	DELV X SCALED XPIP COUNTS	DELV Y SCALED YPIP COUNTS	DELV Z SCALED ZPIP COUNTS
16*	0,2/77	169	0,2/7*	170	0,2/7*	

TIME HR MIN SECS	DATA	DATA	DATA	DATA	DATA	DATA	DATA
110 34 15.849				39*055.51			-1.
110 34 17.849				39*057.51			-0.
110 34 19.849				39*059.51			-1.
110 34 21.849				39*061.51			-0.
110 34 23.849				39*063.51			-1.
110 34 25.849				39*065.51			-0.
110 34 27.849				39*067.51	324.		-1.
110 34 29.849				39*069.51	326.		-0.
110 34 31.849				39*071.51	324.		1.
110 34 33.849				39*073.51	325.		-0.
110 34 35.849				39*075.51			-1.
110 34 37.849				39*077.51			-0.
110 34 39.849				39*079.51			-1.
110 34 41.849				39*081.51			-0.
110 34 43.849				39*083.51			-1.
110 34 45.849				39*085.51	324.		-0.
110 34 47.849				39*087.51	326.		-1.
110 34 49.849				39*089.51	324.		-0.
110 34 51.849				39*091.51	325.		1.
110 34 53.849				39*093.51			-0.
110 34 55.849				39*095.51			-1.
110 34 57.849				39*097.51			-0.
110 36 1.849				397991.66			-1.
110 36 3.849					15622.		-19.
110 36 5.849				398492.10			50.
110 36 7.849					13310.		-16.
110 36 9.849					13309.		-15.
110 36 11.849					6252.		-7.
110 36 13.849					XXXXXX	XXXXXX	XXXXXX
110 36 15.849	431.	0.	1.				XXXXXX
110 36 17.849	756.	-1.	2.				
110 36 19.849	1081.		3.				
110 36 21.849	1406.		4.				
110 36 23.849	1731.		5.				
110 36 25.849	2056.	-2.	6.				
110 36 27.849	2381.		7.				
110 36 29.849	2706.	-3.	8.				
110 36 31.849	3031.		9.				
110 36 33.849	3356.		10.				
110 36 35.849	3681.	-4.	11.				
110 36 37.849	4006.		12.				
110 36 39.849	4331.		13.				
110 36 41.849	4656.	-5.	14.				
110 36 43.849	4981.		15.				
110 36 45.849	5306.						
110 36 47.849	5631.	-6.					
110 36 49.849	5956.						