

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	301	16:30:00.133		DMS:	READY	RDY, TRACK 3, FWD, TIC 216 +/- 0;				1,071,406:72:0	
91	301	16:31:58.800	481A4A	7VECT		Inert vect update UTC				1,071,408:68:0	
91	301	19:42:54.133	490A476A6A	6TMCHG	EHLRS					1,071,597:52:0	
91	301	19:42:56.133	20Q6A	6TMCHG	ELSNCG	10 BPS TDM-NO NIMS R/T / NO CHANGE				1,071,597:55:0	
91	301	19:43:00.800	490A412A4C	7MODE	INT	AACS INERTIAL MODE				1,071,597:62:0	
91	301	19:45:00.800	490A412A4E	7SAFE	UNSTOW	S/P TO 153 deg cone				1,071,599:60:0	
91	301	19:49:10.800	490A412A4F	7VECT		Inert vect update UTC				1,071,603:71:0	
91	301	19:49:14.800	490A412A4G	7TURN	2,MVR	ALERT Thruster				1,071,603:77:0	
91	301	19:53:02.800	490A412A406A4A	7STAR	7,3000,95.710999	Star catalog update				1,071,607:55:0	
91	301	19:53:04.800	490A412A406A4B	7STAR	8,131,322.005997	Star catalog update				1,071,607:58:0	
91	301	19:53:06.800	490A412A406A4C	7STAR	9,396,206.390999	Star catalog update				1,071,607:61:0	
91	301	19:53:08.800	490A412A406A4D	7STAR	10,0,0,0,0,0	Star catalog update				1,071,607:64:0	
91	301	19:53:10.800	490A412A406A4E	7STAR	11,0,0,0,0,0	Star catalog update				1,071,607:67:0	
91	301	19:53:12.800	490A412A406A4F	7STAR	12,0,0,0,0,0	Star catalog update				1,071,607:70:0	
91	301	21:04:00.800	481B4A	7VECT	RTH	Inert vect update UTC				1,071,677:72:0	
91	301	21:04:02.800	481B4B	7STAR	1,3000,95.710999	Star catalog update				1,071,677:75:0	
91	301	21:04:04.800	481B4C	7STAR	2,131,322.005997	Star catalog update				1,071,677:78:0	
91	301	21:04:06.800	481B4D	7STAR	3,396,206.390999	Star catalog update				1,071,677:81:0	
91	301	21:04:08.800	481B4E	7STAR	4,0,0,0,0,0	Star catalog update				1,071,677:84:0	
91	301	21:04:10.800	481B4F	7STAR	5,0,0,0,0,0	Star catalog update				1,071,677:87:0	
91	301	21:04:12.800	481B4G	7STAR	6,0,0,0,0,0	Star catalog update				1,071,677:90:0	
91	302	02:30:05.400	20A3A	40T1PR	CMD,40T1PR,20A3A	PCT Heater 1 OFF (primary relay)				1,072,000:26:0	
91	302	02:30:10.733	20A3B	40T1PR	CMD,40T1PR,20A3B	PCT Heater 1 OFF (primary relay)				1,072,000:34:0	
91	302	02:33:05.400	20A3C	40T2R	CMD,40T2R,20A3C,	PCT Heater 2 OFF				1,072,003:23:0	
91	302	02:33:10.733	20A3D	40T2R	CMD,40T2R,20A3D,	PCT Heater 2 OFF				1,072,003:31:0	
91	302	02:37:04.733	20L6A	DMS:	*REWIND	S806, TRACK *4, *REV, TIC 216 +/- 0;				1,072,007:18:0	
91	302	02:37:13.133	165KA4A	DMS:	CMD,6DMSR,20L6A,	Tape recorder rewind				1,072,007:30:6	
91	302	06:35:28.733	165KA4B	7TMOT	*READY	RDY, TRACK *1, *FWD, TIC * 201 +/- 0;				1,072,242:89:0	
91	302	06:35:29.400	165KA4B	7SCAN	DIS,TMC	Disable IVP - Target Motion				1,072,242:90:0	
91	302	06:35:30.066	176KB6A	6TMCHG	NORM,200.460999,	Check S/P Position				1,072,243:00:0	
91	302	06:39:23.400	117KA	CSMOS	ELSLRS	10 BPS TDM / LRS Rec 7.68kb/s				1,072,246:77:0	
91	302	06:39:31.400	175KB422A6A	6DMSC	GS	**** GROUP START CSMOS				1,072,246:89:0	
91	302	06:39:31.400		DMS:	R7,0	DMS Control Tape runup 7.68kps				1,072,246:89:0	
91	302	06:39:32.733	117KA105A106A4A	7STRP	*RUNUP	R7, TRACK 1, FWD, TIC 201 +/- 0;				1,072,247:00:0	
91	302	06:39:32.866		DMS:	0.0059,0.0,0,0,0	Slew =,0.04				1,072,247:00:2	
91	302	06:42:08.733	117KA105A106A4B	7STRP	*RECORD	R7, TRACK 1, FWD, TIC * 202 +/- 0;				1,072,249:52:0	
91	302	06:42:22.733	117KA105A106A4C	7STRP	-0.0059,0.0014,0	Slew =16.97				1,072,249:73:0	
91	302	06:44:54.066	175KB422A6B	6DMSC	0.0059,0.0,0,0,0	Slew =,0.04				1,072,252:27:0	
91	302	06:44:54.066		DMS:	RDY,0	DMS Control Tape stop				1,072,252:27:0	
91	302	06:44:54.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 277 +/- 0;				1,072,252:27:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	06:44:55.333		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 278 +/- 0;				1,072,252:28:9	
91	302	06:44:58.733	117KA11A	CSMOS	GE	**** GROUP END CSMOS				1,072,252:34:0	
91	302	06:49:38.733	20KB4A	7SAFE	UNSTOW	S/P TO 153 deg cone				1,072,256:90:0	
91	302	14:29:41.400	165IG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion				1,072,711:89:0	
91	302	14:29:42.066	165IG4B	7SCAN	NORM,247.091999,	Check S/P Position				1,072,711:90:0	
91	302	14:32:40.066	128IE149A131A4A	37IST	1,0,0,OFF,0,1,1	Chopper ON, Sync, 63Hz (Ref)Gain State 4	46			1,072,714:84:0	
91	302	14:33:40.733		DMS:	*RUNUP	R806, TRACK 1, FWD, TIC 278 +/- 0;	46			1,072,715:84:0	
91	302	14:33:40.733	175IQ422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	46			1,072,715:84:0	
91	302	14:33:40.733	128IE149A131B4A	37IOP	1,0	Full Map, Grating Start Position = 0	461	00		1,072,715:84:0	
91	302	14:33:45.400	176IQ6A	6TMCHG	NCGAI8	NO CHANGE / 806.4 KBPS SSI + 1/8 NIMS RECO	461	00		1,072,716:00:0	
91	302	14:33:45.933		DMS:	*RECORD	R806, TRACK 1, FWD, TIC * 343 +/- 3;	461	00		1,072,716:00:8	
91	302	14:33:54.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 559 +/- 3;	461	00		1,072,716:14:0	
91	302	14:33:54.733	175IQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,072,716:14:0	
91	302	14:33:57.400		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 570 +/- 4;	461	00		1,072,716:18:0	
91	302	14:37:24.733	GAPNGASPEC01		-----START-----		461	00			:
91	302	14:37:24.733	165JA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,072,719:56:0	
91	302	14:37:25.400	165JA4B	7SCAN	NORM,246.922998,	Check S/P Position	461	00		1,072,719:57:0	
91	302	14:37:42.733	117JA	CSMOS	GS	**** GROUP START CSMOS	461	00		1,072,719:83:0	
91	302	14:37:44.066	175JK422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	461	00		1,072,719:85:0	
91	302	14:37:44.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 570 +/- 4;	461	00		1,072,719:85:0	
91	302	14:37:48.066	176JK6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	461	00		1,072,720:00:0	
91	302	14:37:48.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC * 572 +/- 4;	461	00		1,072,720:00:0	
91	302	14:37:52.066	117JA105A106A4A	7STRP	0.0055,0.0,0,0,0	Slew =,0.03	461	00		1,072,720:06:0	
91	302	14:41:05.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 745 +/- 4;	461	00		1,072,723:23:0	
91	302	14:41:05.400	GAPNGASPEC01		-----STOP-----		461	00			:
91	302	14:41:05.400	175JK422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,072,723:23:0	
91	302	14:41:05.400	117JA11A	CSMOS	GE	**** GROUP END CSMOS	461	00		1,072,723:23:0	
91	302	14:41:06.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 746 +/- 4;	461	00		1,072,723:24:8	
91	302	14:49:58.733	165JB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,072,732:04:0	
91	302	14:49:58.733	GAPNGASPER01		-----START-----		461	00			:
91	302	14:49:59.400	165JB4B	7SCAN	NORM,246.894999,	Check S/P Position	461	00		1,072,732:05:0	
91	302	14:51:52.066	117JB	CSMOS	GS	**** GROUP START CSMOS	461	00		1,072,733:83:0	
91	302	14:51:52.733	128JB149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position = 6	467	06		1,072,733:84:0	
91	302	14:51:57.400	176JW6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,734:00:0	
91	302	14:51:57.400	175JW422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,734:00:0	
91	302	14:51:57.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 746 +/- 4;	467	06		1,072,734:00:0	
91	302	14:52:01.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC * 748 +/- 5;	467	06		1,072,734:06:0	
91	302	14:52:01.400	117JB105A106A4A	7STRP	0.006,0.0,0,0,0,0	Slew =,0.76	467	06		1,072,734:06:0	
91	302	14:52:12.066	117JB11A	CSMOS	GE	**** GROUP END CSMOS	467	06		1,072,734:22:0	
91	302	14:52:12.066	175JW422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,734:22:0	
91	302	14:52:12.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 757 +/- 5;	467	06		1,072,734:22:0	
91	302	14:52:13.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 758 +/- 5;	467	06		1,072,734:23:8	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	14:52:54.733	GAPNGASPER01		-----STOP-----		467	06			:	:
91	302	15:07:06.066	GAPNGASCUR01		-----START-----		467	06			:	:
91	302	15:07:06.066	165EA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,748:89:0		
91	302	15:07:06.733	165EA4B	7SCAN	NORM,247.058998,	Check S/P Position	467	06		1,072,748:90:0		
91	302	15:08:59.400	117EA	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,750:77:0		
91	302	15:09:04.066	128EA149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,072,750:84:0		
91	302	15:09:08.066		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 758 +/-	465	02	5;	1,072,750:90:0		
91	302	15:09:08.066	175IP422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,072,750:90:0		
91	302	15:09:08.733	117EA105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	465	02		1,072,751:00:0		
91	302	15:09:08.733	176IP6A	6TMCHG	NGCHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,072,751:00:0		
91	302	15:09:12.066		DMS:	*RECORD	R115, TRACK 1, FWD, TIC * 765 +/-	465	02	5;	1,072,751:05:0		
91	302	15:09:14.066	117EA105A106B4A	7STRP	-0.00325,0.0,0,0,0	Slew =,4.87	465	02		1,072,751:08:0		
91	302	15:09:18.733	117EA105A106B4B	7STRP	0.00227,0.0,0,0,0,	Slew =,0.12	465	02		1,072,751:15:0		
91	302	15:09:39.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 861 +/-	465	02	5;	1,072,751:46:0		
91	302	15:09:39.400	175IP422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,751:46:0		
91	302	15:09:39.400	117EA105A106C4A	7STRP	-0.0005,0.0,0,0,0,	Slew =,4.87	465	02		1,072,751:46:0		
91	302	15:09:40.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 862 +/-	465	02	6;	1,072,751:47:8		
91	302	15:09:43.400	175IS422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02		1,072,751:52:0		
91	302	15:09:43.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 862 +/-	465	02	6;	1,072,751:52:0		
91	302	15:09:43.400	176IR6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02		1,072,751:52:0		
91	302	15:09:47.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC * 863 +/-	465	02	6;	1,072,751:58:0		
91	302	15:09:47.400	117EA105A106C4B	7STRP	0.0045,0.0,0,0,0,0	Slew =,0.12	465	02		1,072,751:58:0		
91	302	15:10:28.733	117EA11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,072,752:29:0		
91	302	15:10:28.733	GAPNGASCUR01		-----STOP-----		465	02			:	:
91	302	15:10:28.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 900 +/-	465	02	6;	1,072,752:29:0		
91	302	15:10:28.733	175IS422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,752:29:0		
91	302	15:10:29.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 901 +/-	465	02	6;	1,072,752:30:8		
91	302	15:25:22.066	GAPNGASPER02		-----START-----		465	02			:	:
91	302	15:25:22.066	165JC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,072,767:04:0		
91	302	15:25:22.733	165JC4B	7SCAN	NORM,246.858999,	Check S/P Position	465	02		1,072,767:05:0		
91	302	15:27:15.400	117JC	CSMOS	GS	***** GROUP START CSMOS	465	02		1,072,768:83:0		
91	302	15:27:16.066	128JC149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,768:84:0		
91	302	15:27:20.733	176JV6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,769:00:0		
91	302	15:27:20.733	175JV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,769:00:0		
91	302	15:27:20.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 901 +/-	467	06	6;	1,072,769:00:0		
91	302	15:27:24.733	117JC105A106A4A	7STRP	0.006,0.0,0,0,0,0,	Slew =,0.76	467	06		1,072,769:06:0		
91	302	15:27:24.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC * 902 +/-	467	06	7;	1,072,769:06:0		
91	302	15:27:35.400	117JC11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,769:22:0		
91	302	15:27:35.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC * 911 +/-	467	06	7;	1,072,769:22:0		
91	302	15:27:35.400	175JV422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,769:22:0		
91	302	15:27:36.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC * 912 +/-	467	06	7;	1,072,769:23:8		
91	302	15:28:18.066	GAPNGASPER02		-----STOP-----		467	06			:	:

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	15:42:29.400	165EB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06	06	1,072,783:89:0		
91	302	15:42:29.400	GAPNGASCUR02		-----START-----		467	06	06			
91	302	15:42:30.066	165EB4B	7SCAN	NORM,247.019999,	Check S/P Position	467	06	06	1,072,783:90:0		
91	302	15:44:22.733	117EB	CSMOS	GS	***** GROUP START CSMOS	467	06	06	1,072,785:77:0		
91	302	15:44:27.400	128EB149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02	02	1,072,785:84:0		
91	302	15:44:31.400	175IO422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02	02	1,072,785:90:0		
91	302	15:44:31.400		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 912 +/-	465	02	02	1,072,785:90:0		
91	302	15:44:32.066	117EB105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	465	02	02	1,072,786:00:0		
91	302	15:44:32.066	176IO6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02	02	1,072,786:00:0		
91	302	15:44:35.400		DMS:	*RECORD	R115, TRACK 1, FWD, TIC * 919 +/-	465	02	02	1,072,786:05:0		
91	302	15:44:37.400	117EB105A106B4A	7STRP	-0.0035,0.0,0,0,0,	Slew =,4.87	465	02	02	1,072,786:08:0		
91	302	15:44:42.066	117EB105A106B4B	7STRP	0.00227,0.0,0,0,0,	Slew =,0.12	465	02	02	1,072,786:15:0		
91	302	15:45:02.733	117EB105A106C4A	7STRP	-0.0005,0.0,0,0,0,	Slew =,4.87	465	02	02	1,072,786:46:0		
91	302	15:45:02.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1015 +/-	465	02	02	1,072,786:46:0		
91	302	15:45:02.733	175IO422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02	02	1,072,786:46:0		
91	302	15:45:03.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1016 +/-	465	02	02	1,072,786:47:8		
91	302	15:45:06.733	175IT422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02	02	1,072,786:52:0		
91	302	15:45:06.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1016 +/-	465	02	02	1,072,786:52:0		
91	302	15:45:06.733	176IS6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02	02	1,072,786:52:0		
91	302	15:45:10.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1018 +/-	465	02	02	1,072,786:58:0		
91	302	15:45:10.733	117EB105A106C4B	7STRP	0.005,0.0,0,0,0,0,	Slew =,0.12	465	02	02	1,072,786:58:0		
91	302	15:45:56.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1058 +/-	465	02	02	1,072,787:36:0		
91	302	15:45:56.733	117EB11A	CSMOS	GE	***** GROUP END CSMOS	465	02	02	1,072,787:36:0		
91	302	15:45:56.733	GAPNGASCUR02		-----STOP-----		465	02	02			
91	302	15:45:56.733	175IT422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02	02	1,072,787:36:0		
91	302	15:45:57.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1059 +/-	465	02	02	1,072,787:37:8		
91	302	16:00:45.400	GAPNGASPER03		-----START-----		465	02	02			
91	302	16:00:45.400	165JD4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02	02	1,072,802:04:0		
91	302	16:00:46.066	165JD4B	7SCAN	NORM,246.816,-21	Check S/P Position	465	02	02	1,072,802:05:0		
91	302	16:02:38.733	117JD	CSMOS	GS	***** GROUP START CSMOS	465	02	02	1,072,803:83:0		
91	302	16:02:39.400	128JD149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06	06	1,072,803:84:0		
91	302	16:02:44.066	175JU422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06	06	1,072,804:00:0		
91	302	16:02:44.066	176JU6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06	06	1,072,804:00:0		
91	302	16:02:44.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1059 +/-	467	06	06	1,072,804:00:0		
91	302	16:02:48.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1060 +/-	467	06	06	1,072,804:06:0		
91	302	16:02:48.066	117JD105A106A4A	7STRP	0.006,0.0,0,0,0,0,	Slew =,0.76	467	06	06	1,072,804:06:0		
91	302	16:02:58.733	175JU422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06	06	1,072,804:22:0		
91	302	16:02:58.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1070 +/-	467	06	06	1,072,804:22:0		
91	302	16:02:58.733	117JD11A	CSMOS	GE	***** GROUP END CSMOS	467	06	06	1,072,804:22:0		
91	302	16:02:59.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1071 +/-	467	06	06	1,072,804:23:8		
91	302	16:03:41.400	GAPNGASPER03		-----STOP-----		467	06	06			
91	302	16:15:51.400	165IF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06	06	1,072,816:89:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	16:15:52.066	165IF4B	7SCAN	NORM,246.9739999,	Check S/P Position	467	06		1,072,816:90:0		
91	302	16:19:50.733		DMS:	*RUNUP	R806, TRACK 1, FWD, TIC 1071 +/-	467	06	9;	1,072,820:84:0		
91	302	16:19:50.733	128ID149A131A4A	37IOP	1,0	Full Map, Grating Start Position =0	461	00		1,072,820:84:0		
91	302	16:19:50.733	175IN422A6A	6DMSC	R806,0	DMS Control Tape runup 806.4kb	461	00		1,072,820:84:0		
91	302	16:19:55.400	176IN6A	6TMCHG	NGGAI8	NO CHANGE / 806.4 KBPS SSI + 1/8 NIMS RECO	461	00		1,072,821:00:0		
91	302	16:19:55.933		DMS:	*RECORD	R806, TRACK 1, FWD, TIC *1136 +/-	461	00	12;	1,072,821:00:8		
91	302	16:20:04.733	175IN422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,072,821:14:0		
91	302	16:20:04.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1352 +/-	461	00	12;	1,072,821:14:0		
91	302	16:20:07.400		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1363 +/-	461	00	13;	1,072,821:18:0		
91	302	16:23:34.733	GAPNGASPEC02		-----START-----		461	00				
91	302	16:23:34.733	165JE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,072,824:56:0		
91	302	16:23:35.400	165JE4B	7SCAN	NORM,246.7869999,	Check S/P Position	461	00		1,072,824:57:0		
91	302	16:23:52.733	117JE	CSMOS	GS	***** GROUP START CSMOS	461	00		1,072,824:83:0		
91	302	16:23:58.066	175JJ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	461	00		1,072,825:00:0		
91	302	16:23:58.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1363 +/-	461	00	13;	1,072,825:00:0		
91	302	16:23:58.066	176JJ6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	461	00		1,072,825:00:0		
91	302	16:24:02.066	117JE105A106A4A	7STRP	0.00597,0.0,0,0,	Slew =,0.03	461	00		1,072,825:06:0		
91	302	16:24:02.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1365 +/-	461	00	13;	1,072,825:06:0		
91	302	16:27:31.400	GAPNGASPEC02		-----STOP-----		461	00				
91	302	16:27:31.400	175JJ422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,072,828:47:0		
91	302	16:27:31.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1549 +/-	461	00	13;	1,072,828:47:0		
91	302	16:27:31.400	117JE11A	CSMOS	GE	***** GROUP END CSMOS	461	00		1,072,828:47:0		
91	302	16:27:32.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1550 +/-	461	00	13;	1,072,828:48:8		
91	302	16:36:08.733	GAPNGASPER04		-----START-----		461	00				
91	302	16:36:08.733	165JF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,072,837:04:0		
91	302	16:36:09.400	165JF4B	7SCAN	NORM,246.7349999,	Check S/P Position	461	00		1,072,837:05:0		
91	302	16:38:02.066	117JF	CSMOS	GS	***** GROUP START CSMOS	461	00		1,072,838:83:0		
91	302	16:38:02.733	128JF149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,838:84:0		
91	302	16:38:07.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1550 +/-	467	06	13;	1,072,839:00:0		
91	302	16:38:07.400	175JT422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,839:00:0		
91	302	16:38:07.400	176JT6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,839:00:0		
91	302	16:38:11.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1551 +/-	467	06	14;	1,072,839:06:0		
91	302	16:38:11.400	117JF105A106A4A	7STRP	0.007,0.0,0,0,0,	Slew =,0.76	467	06		1,072,839:06:0		
91	302	16:38:23.400	175JT422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,839:24:0		
91	302	16:38:23.400	117JF11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,839:24:0		
91	302	16:38:23.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1562 +/-	467	06	14;	1,072,839:24:0		
91	302	16:38:24.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1563 +/-	467	06	14;	1,072,839:25:8		
91	302	16:39:04.733	GAPNGASPER04		-----STOP-----		467	06				
91	302	16:53:16.066	165EC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,853:89:0		
91	302	16:53:16.066	GAPNGASCUR03		-----START-----		467	06				
91	302	16:53:16.733	165EC4B	7SCAN	NORM,246.917,-21	Check S/P Position	467	06		1,072,853:90:0		
91	302	16:55:09.400	117EC	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,855:77:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	16:55:14.066	128EC149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,072,855:84:0		
91	302	16:55:18.066	175IM422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,072,855:90:0		
91	302	16:55:18.066		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 1563 +/- 14;	465	02		1,072,855:90:0		
91	302	16:55:18.733	176IM6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,072,856:00:0		
91	302	16:55:18.733	117EC105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	465	02		1,072,856:00:0		
91	302	16:55:22.066		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *1569 +/- 14;	465	02		1,072,856:05:0		
91	302	16:55:24.066	117EC105A106B4A	7STRP	-0.0035,0.0,0,0,0,	Slew =,4.87	465	02		1,072,856:08:0		
91	302	16:55:28.733	117EC105A106B4B	7STRP	0.00227,0.0,0,0,0,	Slew =,0.12	465	02		1,072,856:15:0		
91	302	16:55:49.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1666 +/- 14;	465	02		1,072,856:46:0		
91	302	16:55:49.400	175IM422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,856:46:0		
91	302	16:55:50.066	117EC105A106C4A	7STRP	-0.0005,0.0,0,0,0,	Slew =,4.87	465	02		1,072,856:47:0		
91	302	16:55:50.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1667 +/- 14;	465	02		1,072,856:47:8		
91	302	16:55:53.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1667 +/- 14;	465	02		1,072,856:52:0		
91	302	16:55:53.400	175IU422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02		1,072,856:52:0		
91	302	16:55:53.400	176IT6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02		1,072,856:52:0		
91	302	16:55:57.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1668 +/- 15;	465	02		1,072,856:58:0		
91	302	16:55:58.066	117EC105A106C4B	7STRP	0.005,0.0,0,0,0,0,	Slew =,0.12	465	02		1,072,856:59:0		
91	302	16:56:42.733	GAPNGASCUR03		-----STOP-----		465	02				
91	302	16:56:42.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1708 +/- 15;	465	02		1,072,857:35:0		
91	302	16:56:42.733	117EC11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,072,857:35:0		
91	302	16:56:42.733	175IU422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,857:35:0		
91	302	16:56:43.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1709 +/- 15;	465	02		1,072,857:36:8		
91	302	17:11:32.066	165JG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,072,872:04:0		
91	302	17:11:32.066	GAPNGASPER05		-----START-----		465	02				
91	302	17:11:32.733	165JG4B	7SCAN	NORM,246.672998,	Check S/P Position	465	02		1,072,872:05:0		
91	302	17:13:25.400	117JG	CSMOS	GS	***** GROUP START CSMOS	465	02		1,072,873:83:0		
91	302	17:13:26.066	128JG149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,873:84:0		
91	302	17:13:30.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1709 +/- 15;	467	06		1,072,874:00:0		
91	302	17:13:30.733	175JS422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,874:00:0		
91	302	17:13:30.733	176JS6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,874:00:0		
91	302	17:13:34.733	117JG105A106A4A	7STRP	0.007,0.0,0,0,0,0,	Slew =,0.76	467	06		1,072,874:06:0		
91	302	17:13:34.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1710 +/- 15;	467	06		1,072,874:06:0		
91	302	17:13:46.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1721 +/- 15;	467	06		1,072,874:24:0		
91	302	17:13:46.733	117JG11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,874:24:0		
91	302	17:13:46.733	175JS422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,874:24:0		
91	302	17:13:47.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1722 +/- 16;	467	06		1,072,874:25:8		
91	302	17:14:28.066	GAPNGASPER05		-----STOP-----		467	06				
91	302	17:28:39.400	GAPNGASCUR04		-----START-----		467	06				
91	302	17:28:39.400	165ED4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,888:89:0		
91	302	17:28:40.066	165ED4B	7SCAN	NORM,246.848,-21	Check S/P Position	467	06		1,072,888:90:0		
91	302	17:30:32.733	117ED	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,890:77:0		
91	302	17:30:37.400	128ED149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,072,890:84:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	17:30:41.400		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 1722 +/- 16;	465	02		1,072,890:90:0	
91	302	17:30:41.400	175IL422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2Kb	465	02		1,072,890:90:0	
91	302	17:30:42.066	117ED105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	465	02		1,072,891:00:0	
91	302	17:30:42.066	176IL6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,072,891:00:0	
91	302	17:30:45.400		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *1728 +/- 16;	465	02		1,072,891:05:0	
91	302	17:30:47.400	117ED105A106B4A	7STRP	-0.0035,0.0,0,0,0,	Slew =,4.87	465	02		1,072,891:08:0	
91	302	17:30:52.066	117ED105A106B4B	7STRP	0.00227,0.0,0,0,0,	Slew =,0.12	465	02		1,072,891:15:0	
91	302	17:31:12.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1824 +/- 16;	465	02		1,072,891:46:0	
91	302	17:31:12.733	175IL422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,891:46:0	
91	302	17:31:13.400	117ED105A106C4A	7STRP	-0.0005,0.0,0,0,0,	Slew =,4.87	465	02		1,072,891:47:0	
91	302	17:31:13.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1825 +/- 16;	465	02		1,072,891:47:8	
91	302	17:31:16.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1825 +/- 16;	465	02		1,072,891:52:0	
91	302	17:31:16.733	175IV422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8Kb	465	02		1,072,891:52:0	
91	302	17:31:16.733	176IU6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS	465	02		1,072,891:52:0	
91	302	17:31:20.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1827 +/- 17;	465	02		1,072,891:58:0	
91	302	17:31:21.400	117ED105A106C4B	7STRP	0.005,0.0,0,0,0,0,	Slew =,0.12	465	02		1,072,891:59:0	
91	302	17:32:06.066	175IV422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,892:35:0	
91	302	17:32:06.066	GAPNGASCUR04		-----STOP-----		465	02			
91	302	17:32:06.066	117ED11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,072,892:35:0	
91	302	17:32:06.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1867 +/- 17;	465	02		1,072,892:35:0	
91	302	17:32:07.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1868 +/- 17;	465	02		1,072,892:36:8	
91	302	17:46:55.400	165JH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,072,907:04:0	
91	302	17:46:55.400	GAPNGASPER06		-----START-----		465	02			
91	302	17:46:56.066	165JH4B	7SCAN	NORM,246.594999,	Check S/P Position	465	02		1,072,907:05:0	
91	302	17:48:48.733	117JH	CSMOS	GS	***** GROUP START CSMOS	465	02		1,072,908:83:0	
91	302	17:48:49.400	128JH149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,908:84:0	
91	302	17:48:54.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 1868 +/- 17;	467	06		1,072,909:00:0	
91	302	17:48:54.066	175JR422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8Kb	467	06		1,072,909:00:0	
91	302	17:48:54.066	176JR6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS	467	06		1,072,909:00:0	
91	302	17:48:58.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *1869 +/- 17;	467	06		1,072,909:06:0	
91	302	17:48:58.066	117JH105A106A4A	7STRP	0.007,0.0,0,0,0,0,	Slew =,0.76	467	06		1,072,909:06:0	
91	302	17:49:10.066	175JR422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,909:24:0	
91	302	17:49:10.066	117JH11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,909:24:0	
91	302	17:49:10.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *1880 +/- 17;	467	06		1,072,909:24:0	
91	302	17:49:11.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *1881 +/- 17;	467	06		1,072,909:25:8	
91	302	17:49:51.400	GAPNGASPER06		-----STOP-----		467	06			
91	302	18:02:01.400	165IE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,921:89:0	
91	302	18:02:02.066	165IE4B	7SCAN	NORM,246.761,-21	Check S/P Position	467	06		1,072,921:90:0	
91	302	18:06:04.733		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 1881 +/- 17;	467	06		1,072,925:90:0	
91	302	18:06:04.733	175IK422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2Kb	467	06		1,072,925:90:0	
91	302	18:06:05.400	176IK6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	467	06		1,072,926:00:0	
91	302	18:06:08.733		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *1887 +/- 18;	467	06		1,072,926:05:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	18:08:06.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2302 +/- 18;	467	06		1,072,928:00:0	
91	302	18:08:06.733	175IK422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,928:00:0	
91	302	18:08:07.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2303 +/- 18;	467	06		1,072,928:01:8	
91	302	18:09:44.733	GAPNGASPEC03		-----START-----		467	06			:
91	302	18:09:44.733	165JI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,929:56:0	
91	302	18:09:45.400	165JI4B	7SCAN	NORM,246.539,-21	Check S/P Position	467	06		1,072,929:57:0	
91	302	18:10:02.733	117JI	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,929:83:0	
91	302	18:10:03.400	128JI149A131A4A	37IOP	1,0	Full Map, Grating Start Position =0	461	00		1,072,929:84:0	
91	302	18:10:08.066	175JI422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	461	00		1,072,930:00:0	
91	302	18:10:08.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 2303 +/- 18;	461	00		1,072,930:00:0	
91	302	18:10:08.066	176JI6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	461	00		1,072,930:00:0	
91	302	18:10:12.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *2305 +/- 18;	461	00		1,072,930:06:0	
91	302	18:10:12.066	117JI105A106A4A	7STRP	0.007,0.0,0.0,0,0,	Slew =,0.03	461	00		1,072,930:06:0	
91	302	18:14:18.066	GAPNGASPEC03		-----STOP-----		461	00			:
91	302	18:14:18.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2521 +/- 18;	461	00		1,072,934:11:0	
91	302	18:14:18.066	117JI11A	CSMOS	GE	***** GROUP END CSMOS	461	00		1,072,934:11:0	
91	302	18:14:18.066	175JI422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,072,934:11:0	
91	302	18:14:19.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2522 +/- 19;	461	00		1,072,934:12:8	
91	302	18:22:18.733	165JJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,072,942:04:0	
91	302	18:22:18.733	GAPNGASPER07		-----START-----		461	00			:
91	302	18:22:19.400	165JJ4B	7SCAN	NORM,246.466,-20	Check S/P Position	461	00		1,072,942:05:0	
91	302	18:24:12.066	117JJ	CSMOS	GS	***** GROUP START CSMOS	461	00		1,072,943:83:0	
91	302	18:24:12.733	128JJ149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,943:84:0	
91	302	18:24:17.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 2522 +/- 19;	467	06		1,072,944:00:0	
91	302	18:24:17.400	176JQ6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,944:00:0	
91	302	18:24:17.400	175JQ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,944:00:0	
91	302	18:24:21.400	117JJ105A106A4A	7STRP	0.008,0.0,0.0,0,0,	Slew =,0.76	467	06		1,072,944:06:0	
91	302	18:24:21.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *2523 +/- 19;	467	06		1,072,944:06:0	
91	302	18:24:34.733	175JQ422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,944:26:0	
91	302	18:24:34.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2535 +/- 19;	467	06		1,072,944:26:0	
91	302	18:24:34.733	117JJ11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,944:26:0	
91	302	18:24:35.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2536 +/- 19;	467	06		1,072,944:27:8	
91	302	18:25:14.733	GAPNGASPER07		-----STOP-----		467	06			:
91	302	18:39:26.066	165EE4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,958:89:0	
91	302	18:39:26.066	GAPNGASCUR05		-----START-----		467	06			:
91	302	18:39:26.733	165EE4B	7SCAN	NORM,246.647999,	Check S/P Position	467	06		1,072,958:90:0	
91	302	18:41:19.400	117EE	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,960:77:0	
91	302	18:41:24.066	128EE149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,072,960:84:0	
91	302	18:41:28.066		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 2536 +/- 19;	465	02		1,072,960:90:0	
91	302	18:41:28.066	175II422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,072,960:90:0	
91	302	18:41:28.733	176II6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,072,961:00:0	
91	302	18:41:28.733	117EE105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	465	02		1,072,961:00:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	18:41:32.066		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *2543 +/- 20;	465	02		1,072,961:05:0		
91	302	18:41:34.066	117EE105A106B4A	7STRP	-0.00325,0.0,0,0	Slew =,4.87	465	02		1,072,961:08:0		
91	302	18:41:38.733	117EE105A106B4B	7STRP	0.00227,0.0,0,0,0	Slew =,0.12	465	02		1,072,961:15:0		
91	302	18:41:59.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2639 +/- 20;	465	02		1,072,961:46:0		
91	302	18:41:59.400	175II422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,961:46:0		
91	302	18:42:00.066	117EE105A106C4A	7STRP	-0.0005,0.0,0,0,0	Slew =,4.87	465	02		1,072,961:47:0		
91	302	18:42:00.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2640 +/- 20;	465	02		1,072,961:47:8		
91	302	18:42:03.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 2640 +/- 20;	465	02		1,072,961:52:0		
91	302	18:42:03.400	176IV6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02		1,072,961:52:0		
91	302	18:42:03.400	175IW422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02		1,072,961:52:0		
91	302	18:42:07.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *2641 +/- 20;	465	02		1,072,961:58:0		
91	302	18:42:08.066	117EE105A106C4B	7STRP	0.00475,0.0,0,0,0	Slew =,0.12	465	02		1,072,961:59:0		
91	302	18:42:50.733	GAPNGASCUR05		-----STOP-----		465	02				
91	302	18:42:50.733	117EE11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,072,962:32:0		
91	302	18:42:50.733	175IW422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,962:32:0		
91	302	18:42:50.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2679 +/- 20;	465	02		1,072,962:32:0		
91	302	18:42:51.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2680 +/- 20;	465	02		1,072,962:33:8		
91	302	18:57:42.066	GAPNGASPER08		-----START-----		465	02				
91	302	18:57:42.066	165JK4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,072,977:04:0		
91	302	18:57:42.733	165JK4B	7SCAN	NORM,246.358999,	Check S/P Position	465	02		1,072,977:05:0		
91	302	18:59:35.400	117JK	CSMOS	GS	***** GROUP START CSMOS	465	02		1,072,978:83:0		
91	302	18:59:36.066	128JK149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,072,978:84:0		
91	302	18:59:40.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 2680 +/- 20;	467	06		1,072,979:00:0		
91	302	18:59:40.733	176JP6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,072,979:00:0		
91	302	18:59:40.733	175JP422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,072,979:00:0		
91	302	18:59:44.733	117JK105A106A4A	7STRP	0.007,0.0,0,0,0,0	Slew =,0.76	467	06		1,072,979:06:0		
91	302	18:59:44.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *2682 +/- 21;	467	06		1,072,979:06:0		
91	302	18:59:56.733	117JK11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,072,979:24:0		
91	302	18:59:58.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2693 +/- 21;	467	06		1,072,979:26:0		
91	302	18:59:58.066	175JP422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,072,979:26:0		
91	302	18:59:59.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2694 +/- 21;	467	06		1,072,979:27:8		
91	302	19:00:38.066	GAPNGASPER08		-----STOP-----		467	06				
91	302	19:14:49.400	GAPNGASCUR06		-----START-----		467	06				
91	302	19:14:49.400	165EF4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,072,993:89:0		
91	302	19:14:50.066	165EF4B	7SCAN	NORM,246.494999,	Check S/P Position	467	06		1,072,993:90:0		
91	302	19:16:42.733	117EF	CSMOS	GS	***** GROUP START CSMOS	467	06		1,072,995:77:0		
91	302	19:16:47.400	128EF149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,072,995:84:0		
91	302	19:16:51.400	175IH422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,072,995:90:0		
91	302	19:16:51.400		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 2694 +/- 21;	465	02		1,072,995:90:0		
91	302	19:16:52.066	176IH6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,072,996:00:0		
91	302	19:16:52.066	117EF105A106A4A	7STRP	0.00001,0.0,0,0,0	Slew =,0.12	465	02		1,072,996:00:0		
91	302	19:16:55.400		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *2701 +/- 21;	465	02		1,072,996:05:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	19:16:57.400	117EF105A106B4A	7STRP	-0.0035,0.0,0.0,0,	Slew =,4.87	465	02		1,072,996:08:0	
91	302	19:17:02.066	117EF105A106B4B	7STRP	0.00227,0.0,0.0,0,	Slew =,0.12	465	02		1,072,996:15:0	
91	302	19:17:22.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2797 +/- 21;	465	02		1,072,996:46:0	
91	302	19:17:22.733	175IH422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,996:46:0	
91	302	19:17:23.400	117EF105A106C4A	7STRP	-0.0005,0.0,0.0,0,	Slew =,4.87	465	02		1,072,996:47:0	
91	302	19:17:23.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2798 +/- 22;	465	02		1,072,996:47:8	
91	302	19:17:26.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 2798 +/- 22;	465	02		1,072,996:52:0	
91	302	19:17:26.733	175IX422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02		1,072,996:52:0	
91	302	19:17:26.733	176IW6A	6TMCHG	ELSMFPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02		1,072,996:52:0	
91	302	19:17:30.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *2800 +/- 22;	465	02		1,072,996:58:0	
91	302	19:17:31.400	117EF105A106C4B	7STRP	0.005,0.0,0.0,0,0,	Slew =,0.12	465	02		1,072,996:59:0	
91	302	19:18:16.066	175IX422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,072,997:35:0	
91	302	19:18:16.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *2839 +/- 22;	465	02		1,072,997:35:0	
91	302	19:18:16.066	GAPNGASCUR06		-----STOP-----		465	02		:	
91	302	19:18:16.066	117EF11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,072,997:35:0	
91	302	19:18:17.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *2840 +/- 22;	465	02		1,072,997:36:8	
91	302	19:23:56.733	GAPUOUTGAS01		-----START-----		465	02		:	
91	302	19:24:30.066	165KB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,073,003:50:0	
91	302	19:24:30.733	165KB4B	7SCAN	NORM,245.575998,	Check S/P Position	465	02		1,073,003:51:0	
91	302	19:24:48.066	117KB	CSMOS	GS	***** GROUP START CSMOS	465	02		1,073,003:77:0	
91	302	19:24:56.066	175KA422A6A	6DMSC	R7,0	DMS Control Tape runup 7.68kps	465	02		1,073,003:89:0	
91	302	19:24:56.066		DMS:	*RUNUP	R7, TRACK 1, FWD, TIC 2840 +/- 22;	465	02		1,073,003:89:0	
91	302	19:24:57.400	117KB105A106A4A	7STRP	0.027207,0.0,0.0,0	Slew =,0.02	465	02		1,073,004:00:0	
91	302	19:24:57.400	176KA6A	6TMCHG	ELSLRS	10 BPS TDM / LRS Rec 7.68kb/s	465	02		1,073,004:00:0	
91	302	19:24:57.533		DMS:	*RECORD	R7, TRACK 1, FWD, TIC *2841 +/- 22;	465	02		1,073,004:00:2	
91	302	19:48:47.400	117KB11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,073,027:52:0	
91	302	19:49:07.400	175KA422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,073,027:82:0	
91	302	19:49:07.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *3181 +/- 22;	465	02		1,073,027:82:0	
91	302	19:49:08.666		DMS:	*READY	RDY, TRACK 1, FWD, TIC *3182 +/- 22;	465	02		1,073,027:83:9	
91	302	19:49:12.066	165ID4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,073,027:89:0	
91	302	19:49:12.733	165ID4B	7SCAN	NORM,246.275999,	Check S/P Position	465	02		1,073,027:90:0	
91	302	19:49:48.066	GAPUOUTGAS01		-----STOP-----		465	02		:	
91	302	19:52:14.733	175IG422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,073,030:90:0	
91	302	19:52:14.733		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 3182 +/- 22;	465	02		1,073,030:90:0	
91	302	19:52:15.400	176IG6A	6TMCHG	NCGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,073,031:00:0	
91	302	19:52:18.733		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *3189 +/- 23;	465	02		1,073,031:05:0	
91	302	19:54:16.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *3603 +/- 23;	465	02		1,073,033:00:0	
91	302	19:54:16.733	175IG422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,073,033:00:0	
91	302	19:54:17.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *3604 +/- 23;	465	02		1,073,033:01:8	
91	302	19:55:54.733	165JM4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,073,034:56:0	
91	302	19:55:54.733	GAPNGASPEC04		-----START-----		465	02		:	
91	302	19:55:55.400	165JM4B	7SCAN	NORM,246.018999,	Check S/P Position	465	02		1,073,034:57:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	19:56:12.733	117JM	CSMOS	GS	***** GROUP START CSMOS	465	02		1,073,034:83:0	
91	302	19:56:13.400	128JM149A131A4A	37IOP	1,0	Full Map, Grating Start Position =0	461	00		1,073,034:84:0	
91	302	19:56:18.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 3604 +/- 23;	461	00		1,073,035:00:0	
91	302	19:56:18.066	175JH422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	461	00		1,073,035:00:0	
91	302	19:56:18.066	176JH6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	461	00		1,073,035:00:0	
91	302	19:56:22.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *3606 +/- 23;	461	00		1,073,035:06:0	
91	302	19:56:22.066	117JM105A106A4A	7STRP	0.0073,0.0,0,0,0	Slew =,0.03	461	00		1,073,035:06:0	
91	302	20:00:38.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *3831 +/- 23;	461	00		1,073,039:26:0	
91	302	20:00:38.066	GAPNGASPEC04		-----STOP-----		461	00			
91	302	20:00:38.066	117JM11A	CSMOS	GE	***** GROUP END CSMOS	461	00		1,073,039:26:0	
91	302	20:00:38.066	175JH422A6B	6DMSC	RDY,0	DMS Control Tape stop	461	00		1,073,039:26:0	
91	302	20:00:39.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *3832 +/- 24;	461	00		1,073,039:27:8	
91	302	20:08:28.733	165JN4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	461	00		1,073,047:04:0	
91	302	20:08:28.733	GAPNGASPER10		-----START-----		461	00			
91	302	20:08:29.400	165JN4B	7SCAN	NORM,245.865999,	Check S/P Position	461	00		1,073,047:05:0	
91	302	20:10:22.066	117JN	CSMOS	GS	***** GROUP START CSMOS	461	00		1,073,048:83:0	
91	302	20:10:22.733	128JN149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,073,048:84:0	
91	302	20:10:27.400	175JN422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,073,049:00:0	
91	302	20:10:27.400	176JN6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,073,049:00:0	
91	302	20:10:27.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 3832 +/- 24;	467	06		1,073,049:00:0	
91	302	20:10:31.400	117JN105A106A4A	7STRP	0.0083,0.0,0,0,0	Slew =,0.76	467	06		1,073,049:06:0	
91	302	20:10:31.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *3833 +/- 24;	467	06		1,073,049:06:0	
91	302	20:10:44.733	117JN11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,073,049:26:0	
91	302	20:10:47.400	175JN422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,073,049:30:0	
91	302	20:10:47.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *3848 +/- 24;	467	06		1,073,049:30:0	
91	302	20:10:48.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *3849 +/- 24;	467	06		1,073,049:31:8	
91	302	20:11:24.733	GAPNGASPER10		-----STOP-----		467	06			
91	302	20:25:36.066	GAPNGASCUR07		-----START-----		467	06			
91	302	20:25:36.066	165EG4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,073,063:89:0	
91	302	20:25:36.733	165EG4B	7SCAN	NORM,245.938,-20	Check S/P Position	467	06		1,073,063:90:0	
91	302	20:27:29.400	117EG	CSMOS	GS	***** GROUP START CSMOS	467	06		1,073,065:77:0	
91	302	20:27:34.066	128EG149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	465	02		1,073,065:84:0	
91	302	20:27:38.066		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 3849 +/- 24;	465	02		1,073,065:90:0	
91	302	20:27:38.066	175IF422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	465	02		1,073,065:90:0	
91	302	20:27:38.733	176IF6A	6TMCHG	NGHCM	NO CHANGE / 115.2 comp image + NIMS + PW	465	02		1,073,066:00:0	
91	302	20:27:38.733	117EG105A106A4A	7STRP	0.00001,0.0,0,0,0	Slew =,0.12	465	02		1,073,066:00:0	
91	302	20:27:42.066		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *3855 +/- 25;	465	02		1,073,066:05:0	
91	302	20:27:44.066	117EG105A106B4A	7STRP	-0.0046,0.0,0,0,0	Slew =,4.87	465	02		1,073,066:08:0	
91	302	20:27:48.733	117EG105A106B4B	7STRP	0.00227,0.0,0,0,0	Slew =,0.12	465	02		1,073,066:15:0	
91	302	20:28:09.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *3951 +/- 25;	465	02		1,073,066:46:0	
91	302	20:28:09.400	175IF422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,073,066:46:0	
91	302	20:28:10.066	117EG105A106C4A	7STRP	-0.0005,0.0,0,0,0	Slew =,4.87	465	02		1,073,066:47:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	20:28:10.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *3952 +/- 25;	465	02		1,073,066:47:8	
91	302	20:28:13.400		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 3952 +/- 25;	465	02		1,073,066:52:0	
91	302	20:28:13.400	175IY422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	465	02		1,073,066:52:0	
91	302	20:28:13.400	176IX6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	465	02		1,073,066:52:0	
91	302	20:28:17.400		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *3954 +/- 25;	465	02		1,073,066:58:0	
91	302	20:28:18.066	117EG105A106C4B	7STRP	0.007,0.0,0.0,0,0,	Slew =,0.12	465	02		1,073,066:59:0	
91	302	20:29:21.400	117EG11A	CSMOS	GE	***** GROUP END CSMOS	465	02		1,073,067:63:0	
91	302	20:29:21.400	GAPNGASCUR07		-----STOP-----		465	02			
91	302	20:29:21.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4010 +/- 25;	465	02		1,073,067:63:0	
91	302	20:29:21.400	175IY422A6B	6DMSC	RDY,0	DMS Control Tape stop	465	02		1,073,067:63:0	
91	302	20:29:22.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4011 +/- 25;	465	02		1,073,067:64:8	
91	302	20:43:52.066	165JO4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	465	02		1,073,082:04:0	
91	302	20:43:52.066	GAPNGASPER11		-----START-----		465	02			
91	302	20:43:52.733	165JO4B	7SCAN	NORM,245.372,-20	Check S/P Position	465	02		1,073,082:05:0	
91	302	20:45:45.400	117JO	CSMOS	GS	***** GROUP START CSMOS	465	02		1,073,083:83:0	
91	302	20:45:46.066	128JO149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	467	06		1,073,083:84:0	
91	302	20:45:46.733	175JM422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	467	06		1,073,083:85:0	
91	302	20:45:50.733	176JM6A	DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 4011 +/- 25;	467	06		1,073,083:85:0	
91	302	20:45:50.733		6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	467	06		1,073,084:00:0	
91	302	20:45:50.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *4012 +/- 26;	467	06		1,073,084:00:0	
91	302	20:45:54.733	117JO105A106A4A	7STRP	0.01,0.0,0.0,0,0,0	Slew =,0.76	467	06		1,073,084:06:0	
91	302	20:46:10.733	117JO11A	CSMOS	GE	***** GROUP END CSMOS	467	06		1,073,084:30:0	
91	302	20:46:10.733	175JM422A6B	6DMSC	RDY,0	DMS Control Tape stop	467	06		1,073,084:30:0	
91	302	20:46:11.933		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4030 +/- 26;	467	06		1,073,084:30:0	
91	302	20:46:11.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4031 +/- 26;	467	06		1,073,084:31:8	
91	302	20:46:48.066	GAPNGASPER11		-----STOP-----		467	06			
91	302	21:00:59.400	GAPNGASCUR08		-----START-----		467	06			
91	302	21:00:59.400	165EH4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	467	06		1,073,098:89:0	
91	302	21:01:00.066	165EH4B	7SCAN	NORM,245.344999,	Check S/P Position	467	06		1,073,098:90:0	
91	302	21:01:56.733	128EH149A131A4A	37IST	0,0,0,OFF,0,1,2	Gain State 3	367	06		1,073,099:84:0	
91	302	21:02:52.733	117EH	CSMOS	GS	***** GROUP START CSMOS	367	06		1,073,100:77:0	
91	302	21:02:57.400	128EH149A131B4A	37IOP	5,2	Short Map, Grating Start Position =2	365	02		1,073,100:84:0	
91	302	21:03:01.400		DMS:	*RUNUP	R115, TRACK 1, FWD, TIC 4031 +/- 26;	365	02		1,073,100:90:0	
91	302	21:03:01.400	175IE422A6A	6DMSC	R115,0	DMS Control Tape runup 115.2kb	365	02		1,073,100:90:0	
91	302	21:03:02.066	176IE6A	6TMCHG	NGCHCM	NO CHANGE / 115.2 comp image + NIMS + PW	365	02		1,073,101:00:0	
91	302	21:03:02.066	117EH105A106A4A	7STRP	0.00001,0.0,0,0,0,	Slew =,0.12	365	02		1,073,101:00:0	
91	302	21:03:05.400		DMS:	*RECORD	R115, TRACK 1, FWD, TIC *4037 +/- 26;	365	02		1,073,101:05:0	
91	302	21:03:07.400	117EH105A106B4A	7STRP	-0.0055,0.0,0,0,0,	Slew =,4.87	365	02		1,073,101:08:0	
91	302	21:03:12.066	117EH105A106B4B	7STRP	0.00227,0.0,0,0,0,	Slew =,0.12	365	02		1,073,101:15:0	
91	302	21:03:32.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4134 +/- 26;	365	02		1,073,101:46:0	
91	302	21:03:32.733	175IE422A6B	6DMSC	RDY,0	DMS Control Tape stop	365	02		1,073,101:46:0	
91	302	21:03:33.400	117EH105A106C4A	7STRP	-0.0005,0.0,0,0,0,	Slew =,4.87	365	02		1,073,101:47:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	21:03:33.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4135 +/- 27;	365	02		1,073,101:47:8	
91	302	21:03:36.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 4135 +/- 27;	365	02		1,073,101:52:0	
91	302	21:03:36.733	176IY6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	365	02		1,073,101:52:0	
91	302	21:03:36.733	175IZ422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	365	02		1,073,101:52:0	
91	302	21:03:40.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *4136 +/- 27;	365	02		1,073,101:58:0	
91	302	21:03:41.400	117EH105A106C4B	7STRP	0.0085,0.0,0,0,0	Slew =,0.12	365	02		1,073,101:59:0	
91	302	21:04:58.066	175IZ422A6B	6DMSC	RDY,0	DMS Control Tape stop	365	02		1,073,102:83:0	
91	302	21:04:58.066	117EH11A	CSMOS	GE	***** GROUP END CSMOS	365	02		1,073,102:83:0	
91	302	21:04:58.066		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4204 +/- 27;	365	02		1,073,102:83:0	
91	302	21:04:58.066	GAPNGASUR08		-----STOP-----		365	02			
91	302	21:04:59.266		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4205 +/- 27;	365	02		1,073,102:84:8	
91	302	21:13:11.400	165JP4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	365	02		1,073,111:04:0	
91	302	21:13:11.400	GAPNGASPER12		-----START-----		365	02			
91	302	21:13:12.066	165JP4B	7SCAN	NORM,244.691999,	Check S/P Position	365	02		1,073,111:05:0	
91	302	21:15:04.733	117JP	CSMOS	GS	***** GROUP START CSMOS	365	02		1,073,112:83:0	
91	302	21:15:05.400	128JP149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	367	06		1,073,112:84:0	
91	302	21:15:10.066	176JL6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	367	06		1,073,113:00:0	
91	302	21:15:10.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 4205 +/- 27;	367	06		1,073,113:00:0	
91	302	21:15:10.066	175JL422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	367	06		1,073,113:00:0	
91	302	21:15:14.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *4206 +/- 28;	367	06		1,073,113:06:0	
91	302	21:15:14.066	117JP105A106A4A	7STRP	0.011,0.0,0,0,0	Slew =,0.76	367	06		1,073,113:06:0	
91	302	21:15:31.400		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4222 +/- 28;	367	06		1,073,113:32:0	
91	302	21:15:31.400	117JP11A	CSMOS	GE	***** GROUP END CSMOS	367	06		1,073,113:32:0	
91	302	21:15:31.400	175JL422A6B	6DMSC	RDY,0	DMS Control Tape stop	367	06		1,073,113:32:0	
91	302	21:15:32.600		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4223 +/- 28;	367	06		1,073,113:33:8	
91	302	21:16:07.400	GAPNGASPER12		-----STOP-----		367	06			
91	302	21:30:15.400	GAPNGASPEC05		-----START-----		367	06			
91	302	21:30:15.400	128JQ149A131A4A	37IOP	1,0	Full Map, Grating Start Position =0	361	00		1,073,127:84:0	
91	302	21:30:57.400	165JQ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	361	00		1,073,128:56:0	
91	302	21:30:58.066	165JQ4B	7SCAN	NORM,244.106998,	Check S/P Position	361	00		1,073,128:57:0	
91	302	21:31:15.400	117JQ	CSMOS	GS	***** GROUP START CSMOS	361	00		1,073,128:83:0	
91	302	21:31:16.066	128JQ149A131B4A	37IST	0,0,0,OFF,0,1,3	Gain State 1	161	00		1,073,128:84:0	
91	302	21:31:20.733		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 4223 +/- 28;	161	00		1,073,129:00:0	
91	302	21:31:20.733	175JG422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	161	00		1,073,129:00:0	
91	302	21:31:20.733	176JG6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	161	00		1,073,129:00:0	
91	302	21:31:24.733		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *4224 +/- 28;	161	00		1,073,129:06:0	
91	302	21:31:24.733	117JQ105A106A4A	7STRP	0.0085,0.0,0,0,0	Slew =,0.03	161	00		1,073,129:06:0	
91	302	21:35:18.733	GAPNGASVIS01		-----START-----		161	00			
91	302	21:35:18.733	128IA149A131A4A	37SS	0,6,1,0,6,0,12	Special Sequence (loads PTABS for modes 12)	161	00		1,073,132:84:0	
91	302	21:36:19.400	128IA149A131B4A	37SS	1,3,1,0,0,1,24	Special Sequence (loads PTABS for modes 12)	161	00		1,073,133:84:0	
91	302	21:36:22.733	GAPNGASPEC05		-----STOP-----		161	00			
91	302	21:36:22.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *4486 +/- 28;	161	00		1,073,133:89:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	21:36:22.733	117JQ11A	CSMOS	GE	**** GROUP END CSMOS	161	00		1,073,133:89:0	
91	302	21:36:22.733	175JG422A6B	6DMSC	RDY,0	DMS Control Tape stop	161	00		1,073,133:89:0	
91	302	21:36:23.933		DMS:	*READY	RDY, TRACK 1, FWD, TIC *4487 +/- 28;	161	00		1,073,133:90:8	
91	302	21:36:36.733	165EJ4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	161	00		1,073,134:19:0	
91	302	21:36:37.400	165EJ4B	7SCAN	NORM,244.509998,	Check S/P Position	161	00		1,073,134:20:0	
91	302	21:37:20.066	128IA149A131C4A	37IOP	12,0	Special Sequence 1, Grating Start Position	16C	00		1,073,134:84:0	
91	302	21:37:23.400	165IA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	16C	00		1,073,134:89:0	
91	302	21:37:24.066	165IA4B	7SCAN	NORM,243.827,-20	Check S/P Position	16C	00		1,073,134:90:0	
91	302	21:37:48.733		DMS:	*RUNUP	R403, TRACK 1, FWD, TIC 4487 +/- 28;	16C	00		1,073,135:36:0	
91	302	21:37:48.733	175ID422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	16C	00		1,073,135:36:0	
91	302	21:37:49.400	165IA4C	7VECT		Inert vect update UTC	16C	00		1,073,135:37:0	
91	302	21:37:50.066	165IA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	16C	00		1,073,135:38:0	
91	302	21:37:50.733	176ID6A	6TMCHG	NCGIM4	NO CHANGE / 403.2 KBPS IMAGE + 1/8 NIMS RE	16C	00		1,073,135:39:0	
91	302	21:37:52.533		DMS:	*RECORD	R403, TRACK 1, FWD, TIC *4509 +/- 31;	16C	00		1,073,135:41:7	
91	302	21:38:36.066	118IA110A111A4A	7STRP	0.0069,0.0,156,0	Slew =,1.21	16C	00		1,073,136:16:0	
91	302	21:39:28.066	118IA110A111A4B	7STRP	0.0,0.0069,0,0,0	Slew =0,5.0	16C	00		1,073,137:03:0	
91	302	21:40:20.066	118IA110A111A4C	7STRP	0.0069,0.0,156,0	Slew =,1.21	16C	00		1,073,137:81:0	
91	302	21:41:18.733		DMS:	*RUNDOWN	RDY, TRACK 1, FWD, TIC *7046 +/- 31;	16C	00		1,073,138:78:0	
91	302	21:41:18.733	175ID422A6B	6DMSC	RDY,0	DMS Control Tape stop	16C	00		1,073,138:78:0	
91	302	21:41:18.733	GAPNGASVIS01		-----STOP-----		16C	00		:	:
91	302	21:41:21.533		DMS:	*READY	RDY, TRACK 1, FWD, TIC *7050 +/- 32;	16C	00		1,073,138:82:2	
91	302	21:43:24.066	128JR149A131A4A	37IOP	1,0	Full Map, Grating Start Position =0	161	00		1,073,140:84:0	
91	302	21:43:24.066	GAPNGASPEC06		-----START-----		161	00		:	:
91	302	21:43:42.733	165JR4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	161	00		1,073,141:21:0	
91	302	21:43:43.400	165JR4B	7SCAN	NORM,243.126999,	Check S/P Position	161	00		1,073,141:22:0	
91	302	21:44:00.733	117JR	CSMOS	GS	**** GROUP START CSMOS	161	00		1,073,141:48:0	
91	302	21:44:03.400	176JF6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	161	00		1,073,141:52:0	
91	302	21:44:06.066		DMS:	*RUNUP	R28, TRACK 1, FWD, TIC 7050 +/- 32;	161	00		1,073,141:56:0	
91	302	21:44:06.066	175JF422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	161	00		1,073,141:56:0	
91	302	21:44:08.733	165JR4C	7VECT		Inert vect update UTC	161	00		1,073,141:60:0	
91	302	21:44:09.400	165JR4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	161	00		1,073,141:61:0	
91	302	21:44:10.066	117JR105A106A4A	7STRP	0.0091,0.0,0,0,0	Slew =,0.06	161	00		1,073,141:62:0	
91	302	21:44:10.066		DMS:	*RECORD	R28, TRACK 1, FWD, TIC *7052 +/- 33;	161	00		1,073,141:62:0	
91	302	21:45:32.733	165JR4E	7VECT		Inert vect update UTC	161	00		1,073,143:04:0	
91	302	21:46:31.800		DMS:	*REVERSE	R28, TRACK 1, FWD, TIC *7177 +/- 33;	161	00		1,073,144:01:6	
91	302	21:46:37.000		DMS:	*RESUME	R28, TRACK *2, *REV, TIC *7176 +/- 33;	161	00		1,073,144:09:4	
91	302	21:46:56.733	165JR4F	7VECT		Inert vect update UTC	161	00		1,073,144:39:0	
91	302	21:47:11.400	117JR105A106B4A	7STRP	-0.004,0.0,0,0,0	Slew =,10.0	161	00		1,073,144:61:0	
91	302	21:47:16.066	117JR105A106B4B	7STRP	0.013101,0.0,0,0,0	Slew =,0.06	161	00		1,073,144:68:0	
91	302	21:48:20.733	165JR4G	7VECT		Inert vect update UTC	161	00		1,073,145:74:0	
91	302	21:49:44.733	165JR4H	7VECT		Inert vect update UTC	161	00		1,073,147:18:0	
91	302	21:50:32.733	GAPNGASVIS02		-----START-----		161	00		:	:

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	21:51:06.066	GAPNGASPEC06	DMS:	-----STOP-----		161	00			:	:
91	302	21:51:06.066		CSMOS	*RUNDOWN	RDY, TRACK 2, REV, TIC *6940 +/- 33;	161	00		1,073,148:49:0		
91	302	21:51:06.066	117JR11A	CSMOS	GE	***** GROUP END CSMOS	161	00		1,073,148:49:0		
91	302	21:51:06.066	175JF422A6B	6DMSC	RDY,0	DMS Control Tape stop	161	00		1,073,148:49:0		
91	302	21:51:06.733	165IB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	161	00		1,073,148:50:0		
91	302	21:51:07.266		DMS:	*READY	RDY, TRACK 2, REV, TIC *6939 +/- 34;	161	00		1,073,148:50:8		
91	302	21:51:07.400	165IB4B	7SCAN	NORM,242.2969999,	Check S/P Position	161	00		1,073,148:51:0		
91	302	21:51:24.733	117IA	CSMOS	GS	***** GROUP START CSMOS	161	00		1,073,148:77:0		
91	302	21:51:29.400	128IB149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	167	06		1,073,148:84:0		
91	302	21:51:32.066		DMS:	*RUNUP	R403, TRACK 2, REV, TIC 6939 +/- 34;	167	06		1,073,148:88:0		
91	302	21:51:32.066	175IC422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	167	06		1,073,148:88:0		
91	302	21:51:32.733	165IB4C	7VECT		Inert vect update UTC	167	06		1,073,148:88:0		
91	302	21:51:33.400	165IB4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	167	06		1,073,148:89:0		
91	302	21:51:34.066	117IA105A106A4A	7STRP	0.019603,0.0,0.0	Slew =,0.86	167	06		1,073,148:90:0		
91	302	21:51:34.066	176IC6A	6TMCHG	NGCIM4	NO CHANGE / 403.2 KBPS IMAGE + 1/8 NIMS RE	167	06		1,073,149:00:0		
91	302	21:51:35.866		DMS:	*RECORD	R403, TRACK 2, REV, TIC *6917 +/- 37;	167	06		1,073,149:02:7		
91	302	21:52:02.066	117IA105A106B4A	7STRP	0.0028,0.0065,0,	Slew =0,4.7	167	06		1,073,149:42:0		
91	302	21:52:06.733	117IA105A106B4B	7STRP	-0.024505,0.0,0,	Slew =,0.86	167	06		1,073,149:49:0		
91	302	21:52:39.400	117IA105A106C4A	7STRP	0.0006,0.0065,0,	Slew =0,4.7	167	06		1,073,150:07:0		
91	302	21:52:44.066	117IA105A106C4B	7STRP	0.023404,0.0,0,0	Slew =,0.86	167	06		1,073,150:14:0		
91	302	21:53:14.733	117IA105A106D4A	7STRP	-0.0028,0.0065,0	Slew =0,4.7	167	06		1,073,150:60:0		
91	302	21:53:19.400	117IA105A106D4B	7STRP	-0.017702,0.0,0,	Slew =,0.86	167	06		1,073,150:67:0		
91	302	21:53:30.733	128JS149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	165	02		1,073,150:84:0		
91	302	21:53:30.733	GAPNGSCHEM02		-----START-----		165	02			:	:
91	302	21:53:44.066	GAPNGASVIS02		-----STOP-----		165	02			:	:
91	302	21:53:44.066	175IC422A6B	6DMSC	RDY,0	DMS Control Tape stop	165	02		1,073,151:13:0		
91	302	21:53:44.066		DMS:	*RUNDOWN	RDY, TRACK 2, REV, TIC *5339 +/- 37;	165	02		1,073,151:13:0		
91	302	21:53:44.066	117IA11A	CSMOS	GE	***** GROUP END CSMOS	165	02		1,073,151:13:0		
91	302	21:53:46.866		DMS:	*READY	RDY, TRACK 2, REV, TIC *5335 +/- 38;	165	02		1,073,151:17:2		
91	302	21:54:01.400	165JS4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	165	02		1,073,151:39:0		
91	302	21:54:02.066	165JS4B	7SCAN	NORM,243.3309999,	Check S/P Position	165	02		1,073,151:40:0		
91	302	21:54:18.733	176JE6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	165	02		1,073,151:65:0		
91	302	21:54:19.400	117JS	CSMOS	GS	***** GROUP START CSMOS	165	02		1,073,151:66:0		
91	302	21:54:24.733		DMS:	*RUNUP	R28, TRACK 2, REV, TIC 5335 +/- 38;	165	02		1,073,151:74:0		
91	302	21:54:24.733	175JE422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	165	02		1,073,151:74:0		
91	302	21:54:27.400	165JS4C	7VECT		Inert vect update UTC	165	02		1,073,151:78:0		
91	302	21:54:28.066	165JS4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	165	02		1,073,151:79:0		
91	302	21:54:28.733	117JS105A106A4A	7STRP	-0.018502,0.0,0,	Slew =,0.12	165	02		1,073,151:80:0		
91	302	21:54:28.733		DMS:	*RECORD	R28, TRACK 2, REV, TIC *5334 +/- 38;	165	02		1,073,151:80:0		
91	302	21:55:40.066	165JS4E	7VECT		Inert vect update UTC	165	02		1,073,153:05:0		
91	302	21:56:52.066	165JS4F	7VECT		Inert vect update UTC	165	02		1,073,154:22:0		
91	302	21:57:18.066	117JS105A106B4A	7STRP	0.019502,-0.0095	Slew =0,7.9	165	02		1,073,154:61:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	21:57:23.400	117JS105A106B4B	7STRP	-0.020003,0.0,0,0,	Slew =,0.12	165	02		1,073,154:69:0		
91	302	21:58:04.733	165JS4G	7VECT		Inert vect update UTC	165	02		1,073,155:40:0		
91	302	21:58:34.066	GAPNGASNAP01		-----START-----		165	02				
91	302	21:58:34.066	128IC149A131A4A	37SS	2,2,1,0,0,1,24	Special Sequence (loads PTABS for modes 12)	165	02		1,073,155:84:0		
91	302	21:59:16.733	165JS4H	7VECT		Inert vect update UTC	165	02		1,073,156:57:0		
91	302	21:59:34.733	128IC149A131B4A	37SS	3,4,1,0,6,0,12	Special Sequence (loads PTABS for modes 12)	165	02		1,073,156:84:0		
91	302	22:00:26.733		DMS:	*RUNDOWN	RDY, TRACK 2, REV, TIC *5019 +/- 38;	165	02		1,073,157:71:0		
91	302	22:00:26.733	117JS11A	CSMOS	GE	***** GROUP END CSMOS	165	02		1,073,157:71:0		
91	302	22:00:26.733	175JE422A6B	6DMSC	RDY,0	DMS Control Tape stop	165	02		1,073,157:71:0		
91	302	22:00:26.733	GAPNGSCHEM02		-----STOP-----		165	02				
91	302	22:00:27.933		DMS:	*READY	RDY, TRACK 2, REV, TIC *5018 +/- 38;	165	02		1,073,157:72:8		
91	302	22:00:35.400	128IC149A131C4A	37IOP	13,0	Special Sequence 2, Grating Start Position	16D	00		1,073,157:84:0		
91	302	22:00:38.733	165IC4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	16D	00		1,073,157:89:0		
91	302	22:00:39.400	165IC4B	7SCAN	NORM,241.348,-20	Check S/P Position	16D	00		1,073,157:90:0		
91	302	22:01:04.066		DMS:	*RUNUP	R403, TRACK 2, REV, TIC 5018 +/- 38;	16D	00		1,073,158:36:0		
91	302	22:01:04.066	175IB422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	16D	00		1,073,158:36:0		
91	302	22:01:04.733	165IC4C	7VECT		Inert vect update UTC	16D	00		1,073,158:37:0		
91	302	22:01:05.400	165IC4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	16D	00		1,073,158:38:0		
91	302	22:01:06.066	176IB6A	6TMCHG	NCGIM4	NO CHANGE / 403.2 KBPS IMAGE + 1/8 NIMS RE	16D	00		1,073,158:39:0		
91	302	22:01:07.866		DMS:	*RECORD	R403, TRACK 2, REV, TIC *4996 +/- 41;	16D	00		1,073,158:41:7		
91	302	22:01:34.066	118IB110A111A4A	7STRP	0.007,0.0,104,0,	Slew =,1.21	16D	00		1,073,158:81:0		
91	302	22:02:41.400	165IC4E	7VECT		Inert vect update UTC	16D	00		1,073,160:00:0		
91	302	22:02:43.400	118IB110A111A4B	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	16D	00		1,073,160:03:0		
91	302	22:03:18.066	118IB110A111A4C	7STRP	0.007,0.0,104,0,	Slew =,1.21	16D	00		1,073,160:55:0		
91	302	22:04:25.400	165IC4F	7VECT		Inert vect update UTC	16D	00		1,073,161:65:0		
91	302	22:04:27.400	118IB110A111A4D	7STRP	0.0,0.007,0,0,0,	Slew =0,5.0	16D	00		1,073,161:68:0		
91	302	22:05:02.066	118IB110A111A4E	7STRP	0.007,0.0,104,0,	Slew =,1.21	16D	00		1,073,162:29:0		
91	302	22:06:18.066	175IB422A6B	6DMSC	RDY,0	DMS Control Tape stop	16D	00		1,073,163:52:0		
91	302	22:06:18.066		DMS:	*RUNDOWN	RDY, TRACK 2, REV, TIC *1179 +/- 41;	16D	00		1,073,163:52:0		
91	302	22:06:18.066	GAPNGASNAP01		-----STOP-----		16D	00				
91	302	22:06:20.866		DMS:	*READY	RDY, TRACK 2, REV, TIC *1175 +/- 42;	16D	00		1,073,163:56:2		
91	302	22:06:39.400	128JT149A131A4A	37IOP	5,2	Short Map, Grating Start Position =2	165	02		1,073,163:84:0		
91	302	22:06:39.400	GAPNGSCHEM04		-----START-----		165	02				
91	302	22:06:44.733	165JT4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	165	02		1,073,164:01:0		
91	302	22:06:45.400	165JT4B	7SCAN	NORM,241.518999,	Check S/P Position	165	02		1,073,164:02:0		
91	302	22:07:01.400	176JD6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	165	02		1,073,164:26:0		
91	302	22:07:02.733	117JT	CSMOS	GS	***** GROUP START CSMOS	165	02		1,073,164:28:0		
91	302	22:07:08.066	175JD422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	165	02		1,073,164:36:0		
91	302	22:07:08.066		DMS:	*RUNUP	R28, TRACK 2, REV, TIC 1175 +/- 42;	165	02		1,073,164:36:0		
91	302	22:07:10.733	165JT4C	7VECT		Inert vect update UTC	165	02		1,073,164:40:0		
91	302	22:07:11.400	165JT4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	165	02		1,073,164:41:0		
91	302	22:07:12.066		DMS:	*RECORD	R28, TRACK 2, REV, TIC *1173 +/- 43;	165	02		1,073,164:42:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	22:07:12.066	117JT105A106A4A	7STRP	-0.026006,0.0,0,0,	Slew =,0.12	165	02		1,073,164:42:0		
91	302	22:08:51.400	165JT4E	7VECT		Inert vect update UTC	165	02		1,073,166:09:0		
91	302	22:10:31.400	165JT4F	7VECT		Inert vect update UTC	165	02		1,073,167:68:0		
91	302	22:11:08.733	117JT105A106B4A	7STRP	0.027007,-0.008,	Slew =0,9.1	165	02		1,073,168:33:0		
91	302	22:11:14.066	117JT105A106B4B	7STRP	-0.029509,0.0,0,0,	Slew =,0.12	165	02		1,073,168:41:0		
91	302	22:12:12.066	165JT4G	7VECT		Inert vect update UTC	165	02		1,073,169:37:0		
91	302	22:13:52.066	165JT4H	7VECT		Inert vect update UTC	165	02		1,073,171:05:0		
91	302	22:15:36.733	GAPNGSCHEM04		-----STOP-----		165	02			:	:
91	302	22:15:36.733	175JD422A6B	6DMSC	RDY,0	DMS Control Tape stop	165	02		1,073,172:71:0		
91	302	22:15:36.733		DMS:	*RUNDOWN	RDY, TRACK 2, REV, TIC * 730 +/- 43;	165	02		1,073,172:71:0		
91	302	22:15:36.733	117JT11A	CSMOS	GE	***** GROUP END CSMOS	165	02		1,073,172:71:0		
91	302	22:15:37.933		DMS:	*READY	RDY, TRACK 2, REV, TIC * 729 +/- 43;	165	02		1,073,172:72:8		
91	302	22:15:45.400	GAPNGASMAP01		-----START-----		165	02			:	:
91	302	22:15:45.400	128JU149A131A4A	37IOP	7,6	Fixed Map, Grating Start Position =6	167	06		1,073,172:84:0		
91	302	22:16:02.733	165JU4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	167	06		1,073,173:19:0		
91	302	22:16:03.400	165JU4B	7SCAN	NORM,238.775,-19	Check S/P Position	167	06		1,073,173:20:0		
91	302	22:16:20.733	117JU	CSMOS	GS	***** GROUP START CSMOS	167	06		1,073,173:46:0		
91	302	22:16:24.733	176JC6A	6TMCHG	ELSMPLW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	167	06		1,073,173:52:0		
91	302	22:16:26.066	175JC422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	167	06		1,073,173:54:0		
91	302	22:16:26.066		DMS:	*RUNUP	R28, TRACK 2, REV, TIC 729 +/- 43;	167	06		1,073,173:54:0		
91	302	22:16:28.733	165JU4C	7VECT		Inert vect update UTC	167	06		1,073,173:58:0		
91	302	22:16:29.400	165JU4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	167	06		1,073,173:59:0		
91	302	22:16:30.066		DMS:	*RECORD	R28, TRACK 2, REV, TIC * 727 +/- 43;	167	06		1,073,173:60:0		
91	302	22:16:30.066	117JU105A106A4A	7STRP	-0.030509,0.0,0,0,	Slew =,0.76	167	06		1,073,173:60:0		
91	302	22:17:13.400	165JU4E	7VECT		Inert vect update UTC	167	06		1,073,174:34:0		
91	302	22:17:14.733	117JU105A106B4A	7STRP	0.033012,-0.0088	Slew =,9.32	167	06		1,073,174:36:0		
91	302	22:17:22.733	117JU105A106B4B	7STRP	-0.036016,0.0,0,0,	Slew =,0.76	167	06		1,073,174:48:0		
91	302	22:17:57.400	165JU4F	7VECT		Inert vect update UTC	167	06		1,073,175:09:0		
91	302	22:18:14.733	117JU105A106C4A	7STRP	0.037017,-0.0085	Slew =,9.32	167	06		1,073,175:35:0		
91	302	22:18:24.066	117JU105A106C4B	7STRP	-0.037518,0.0,0,0,	Slew =,0.76	167	06		1,073,175:49:0		
91	302	22:18:42.066	165JU4G	7VECT		Inert vect update UTC	167	06		1,073,175:76:0		
91	302	22:19:18.066	117JU105A106D4A	7STRP	0.035515,-0.0092	Slew =,9.32	167	06		1,073,176:39:0		
91	302	22:19:26.066	165JU4H	7VECT		Inert vect update UTC	167	06		1,073,176:51:0		
91	302	22:19:26.733	117JU105A106D4B	7STRP	-0.034514,0.0,0,0,	Slew =,0.76	167	06		1,073,176:52:0		
91	302	22:20:16.733	117JU11A	CSMOS	GE	***** GROUP END CSMOS	167	06		1,073,177:36:0		
91	302	22:20:16.733		DMS:	*RUNDOWN	RDY, TRACK 2, REV, TIC * 528 +/- 43;	167	06		1,073,177:36:0		
91	302	22:20:16.733	175JC422A6B	6DMSC	RDY,0	DMS Control Tape stop	167	06		1,073,177:36:0		
91	302	22:20:16.733	GAPNGASMAP01		-----STOP-----		167	06			:	:
91	302	22:20:17.933		DMS:	*READY	RDY, TRACK 2, REV, TIC * 527 +/- 43;	167	06		1,073,177:37:8		
91	302	22:20:26.066	165EI4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	167	06		1,073,177:50:0		
91	302	22:20:26.066	GAPNGASPAT01		-----START-----		167	06			:	:
91	302	22:20:26.733	165EI4B	7SCAN	NORM,234.219999,	Check S/P Position	167	06		1,073,177:51:0		

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91	302	22:20:44.066	117EI	CSMOS	GS	**** GROUP START CSMOS	167	06		1,073,177:77:0		
91	302	22:20:51.400		DMS:	*RUNUP	R403, TRACK 2, REV, TIC 527 +/- 43;	167	06		1,073,177:88:0		
91	302	22:20:51.400	175IA422A6A	6DMSC	R403,0	DMS Control Tape runup 403.2kb	167	06		1,073,177:88:0		
91	302	22:20:52.066	165EI4C	7VECT		Inert vect update UTC	167	06		1,073,177:89:0		
91	302	22:20:52.733	165EI4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	167	06		1,073,177:90:0		
91	302	22:20:53.400	176IA6A	6TMCHG	NGCIM4	NO CHANGE / 403.2 KBPS IMAGE + 1/8 NIMS RE	167	06		1,073,178:00:0		
91	302	22:20:53.400	117EI105A106A4A	7STRP	0.016001,0.0,0,0	Slew =,0.84	167	06		1,073,178:00:0		
91	302	22:20:55.200		DMS:	*RECORD	R403, TRACK 2, REV, TIC * 505 +/- 46;	167	06		1,073,178:02:7		
91	302	22:21:20.000		DMS:	*REVERSE	R403, TRACK 2, REV, TIC * 200 +/- 46;	167	06		1,073,178:39:9		
91	302	22:21:20.733	117EI105A106B4A	7STRP	0.008,0.0045,0,0	Slew =,4.73	167	06		1,073,178:41:0		
91	302	22:21:26.600		DMS:	*RESUME	R403, TRACK *3, *FWD, TIC * 218 +/- 50;	167	06		1,073,178:49:8		
91	302	22:21:36.733	165EI4E	7VECT		Inert vect update UTC	167	06		1,073,178:65:0		
91	302	22:21:38.066	117EI105A106B4B	7STRP	-0.029408,-0.001	Slew =,0.84	167	06		1,073,178:67:0		
91	302	22:21:40.000	117EI105A106C4A	7STRP	0.0085,0.033924,	Slew =,4.73	167	06		1,073,179:35:0		
91	302	22:22:28.733	165EI4F	7VECT		Inert vect update UTC	167	06		1,073,179:52:0		
91	302	22:22:30.066	117EI105A106C4B	7STRP	0.022004,0.0,0,0	Slew =,0.84	167	06		1,073,179:54:0		
91	302	22:23:00.066	117EI105A106D4A	7STRP	0.0025,-0.0068,0	Slew =,4.73	167	06		1,073,180:08:0		
91	302	22:23:04.733	117EI105A106D4B	7STRP	-0.029408,0.0013	Slew =,0.84	167	06		1,073,180:15:0		
91	302	22:23:20.733	165EI4G	7VECT		Inert vect update UTC	167	06		1,073,180:39:0		
91	302	22:23:44.066	117EI105A106E4A	7STRP	-0.005,-0.0068,0	Slew =,4.73	167	06		1,073,180:74:0		
91	302	22:23:48.733	117EI105A106E4B	7STRP	0.040722,-0.0005	Slew =,0.84	167	06		1,073,180:81:0		
91	302	22:24:12.733	165EI4H	7VECT		Inert vect update UTC	167	06		1,073,181:26:0		
91	302	22:24:42.066	117EI105A106F4A	7STRP	-0.0032,-0.01510	Slew =,4.73	167	06		1,073,181:70:0		
91	302	22:24:49.400	117EI105A106F4B	7STRP	-0.042325,-0.001	Slew =,0.84	167	06		1,073,181:81:0		
91	302	22:25:04.733	165EI4I	7VECT		Inert vect update UTC	167	06		1,073,182:13:0		
91	302	22:25:45.400	117EI105A106G4A	7STRP	-0.001,0.011001,	Slew =,4.73	167	06		1,073,182:74:0		
91	302	22:25:50.733	117EI105A106G4B	7STRP	0.050543,-0.0005	Slew =,0.84	167	06		1,073,182:82:0		
91	302	22:25:56.733	165EI4J	7VECT		Inert vect update UTC	167	06		1,073,183:00:0		
91	302	22:26:48.733	165EI4K	7VECT		Inert vect update UTC	167	06		1,073,183:78:0		
91	302	22:26:56.733	117EI105A106H4A	7STRP	-0.0005,-0.0035,	Slew =,4.73	167	06		1,073,183:90:0		
91	302	22:27:01.400	117EI105A106H4B	7STRP	-0.059269,-0.002	Slew =,0.84	167	06		1,073,184:06:0		
91	302	22:27:40.733	165EI4L	7VECT		Inert vect update UTC	167	06		1,073,184:65:0		
91	302	22:28:15.400	175IA422A6B	6DMSC	RDY,0	DMS Control Tape stop	167	06		1,073,185:26:0		
91	302	22:28:15.400		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *5248 +/- 50;	167	06		1,073,185:26:0		
91	302	22:28:18.066	117EI11A	CSMOS	GE	**** GROUP END CSMOS	167	06		1,073,185:30:0		
91	302	22:28:18.200		DMS:	*READY	RDY, TRACK 3, FWD, TIC *5252 +/- 51;	167	06		1,073,185:30:2		
91	302	22:28:50.066	176MA6A	6TMCHG	ELSMPP	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS REC	167	06		1,073,185:78:0		
91	302	22:28:51.400	175MA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	167	06		1,073,185:80:0		
91	302	22:28:51.400		DMS:	*RUNUP	R28, TRACK 3, FWD, TIC 5252 +/- 51;	167	06		1,073,185:80:0		
91	302	22:28:55.400		DMS:	*RECORD	R28, TRACK 3, FWD, TIC *5253 +/- 52;	167	06		1,073,185:86:0		
91	302	22:28:57.400	165LA4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	167	06		1,073,185:89:0		
91	302	22:28:58.066	165LA4B	7SCAN	NORM,221.198999,	Check S/P Position	167	06		1,073,185:90:0		

YR DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91 302	22:29:00.733	117LA	CSMOS	GS	***** GROUP START CSMOS	167	06	06	1,073,186:03:0	-
91 302	22:29:23.400	165LA4C	7VECT		Inert vect update UTC	167	06	06	1,073,186:37:0	-
91 302	22:29:24.066	165LA4D	7TMOT	ENA,TMC	Enable IVP - Target Motion	167	06	06	1,073,186:38:0	-
91 302	22:29:24.733	117LA105A106A4A	7STRP	0.044329,0.0,0,0	Slew =,2.55	167	06	06	1,073,186:39:0	-
91 302	22:29:46.733	117LA105A106A4B	7STRP	-0.044028,0.0013	Slew =,12.0	167	06	06	1,073,186:72:0	-
91 302	22:29:54.066	117LA105A106A4C	7STRP	0.044329,0.0,0,0	Slew =,2.55	167	06	06	1,073,186:83:0	-
91 302	22:30:15.400	165LA4E	7VECT		Inert vect update UTC	167	06	06	1,073,187:24:0	-
91 302	22:30:16.066	117LA105A106A4D	7STRP	-0.044028,0.0013	Slew =,12.0	167	06	06	1,073,187:25:0	-
91 302	22:30:23.400	117LA105A106A4E	7STRP	0.044329,0.0,0,0	Slew =,2.55	167	06	06	1,073,187:36:0	-
91 302	22:30:45.400	117LA105A106A4F	7STRP	-0.044028,0.0013	Slew =,12.0	167	06	06	1,073,187:69:0	-
91 302	22:30:52.733	117LA105A106A4G	7STRP	0.044329,0.0,0,0	Slew =,2.55	167	06	06	1,073,187:80:0	-
91 302	22:30:55.400	157JC156A12LA4A	37IOP	0,0	Safe, Grating Start Position =0	160	00	00	1,073,187:84:0	-
91 302	22:31:07.400	165LA4F	7VECT		Inert vect update UTC	160	00	00	1,073,188:11:0	-
91 302	22:31:14.733	117LA105A106A4H	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,188:22:0	-
91 302	22:31:22.066	117LA105A106A4I	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,188:33:0	-
91 302	22:31:44.066	117LA105A106A4J	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,188:66:0	-
91 302	22:31:51.400	117LA105A106A4K	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,188:77:0	-
91 302	22:31:59.400	165LA4G	7VECT		Inert vect update UTC	160	00	00	1,073,188:89:0	-
91 302	22:32:00.733	GAPNGASPAT01		-----STOP-----		160	00	00	:	-
91 302	22:32:13.400	117LA105A106A4L	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,189:19:0	-
91 302	22:32:20.733	117LA105A106A4M	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,189:30:0	-
91 302	22:32:42.733	117LA105A106A4N	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,189:63:0	-
91 302	22:32:50.066	117LA105A106A4O	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,189:74:0	-
91 302	22:32:51.400	165LA4H	7VECT		Inert vect update UTC	160	00	00	1,073,189:76:0	-
91 302	22:33:12.066	117LA105A106A4P	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,190:16:0	-
91 302	22:33:19.400	117LA105A106A4Q	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,190:27:0	-
91 302	22:33:41.400	117LA105A106A4R	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,190:60:0	-
91 302	22:33:43.400	165LA4I	7VECT		Inert vect update UTC	160	00	00	1,073,190:63:0	-
91 302	22:33:48.733	117LA105A106A4S	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,190:71:0	-
91 302	22:34:10.733	117LA105A106A4T	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,191:13:0	-
91 302	22:34:18.066	117LA105A106A4U	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,191:24:0	-
91 302	22:34:35.400	165LA4J	7VECT		Inert vect update UTC	160	00	00	1,073,191:50:0	-
91 302	22:34:40.066	117LA105A106A4V	7STRP	-0.044028,0.0013	Slew =,12.0	160	00	00	1,073,191:57:0	-
91 302	22:34:47.400	117LA105A106A4W	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,191:68:0	-
91 302	22:35:09.400	117LA105A106B4A	7STRP	-0.044529,0.0025	Slew =,12.0	160	00	00	1,073,192:10:0	-
91 302	22:35:16.733	117LA105A106B4B	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,192:21:0	-
91 302	22:35:27.400	165LA4K	7VECT		Inert vect update UTC	160	00	00	1,073,192:37:0	-
91 302	22:35:38.733	117LA105A106B4C	7STRP	-0.044529,0.0025	Slew =,12.0	160	00	00	1,073,192:54:0	-
91 302	22:35:46.066	117LA105A106B4D	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,192:65:0	-
91 302	22:36:08.066	117LA105A106B4E	7STRP	-0.044529,0.0025	Slew =,12.0	160	00	00	1,073,193:07:0	-
91 302	22:36:15.400	117LA105A106B4F	7STRP	0.044329,0.0,0,0	Slew =,2.55	160	00	00	1,073,193:18:0	-
91 302	22:36:19.400	165LA4L	7VECT		Inert vect update UTC	160	00	00	1,073,193:24:0	-

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	302	22:36:37.400	117LA105A106C4A	7STRP	-0.04503,0.00345	Slew =,12.0	160	00	00	1,073,193:51:0	
91	302	22:36:44.733	117LA105A106C4B	7STRP	0.044329,0.0005,	Slew =,2.55	160	00	00	1,073,193:62:0	
91	302	22:37:06.733	117LA105A106C4C	7STRP	-0.04503,0.00345	Slew =,12.0	160	00	00	1,073,194:04:0	
91	302	22:37:11.400	165LA4M	7VECT		Inert vect update UTC	160	00	00	1,073,194:11:0	
91	302	22:37:14.066	117LA105A106C4D	7STRP	0.044329,0.0005,	Slew =,2.55	160	00	00	1,073,194:15:0	
91	302	22:37:36.066	117LA105A106D4A	7STRP	-0.046032,0.0047	Slew =,12.0	160	00	00	1,073,194:48:0	
91	302	22:37:43.400	117LA105A106D4B	7STRP	0.044329,0.001,0	Slew =,2.55	160	00	00	1,073,194:59:0	
91	302	22:38:05.400	117LA105A106E4A	7STRP	-0.046032,0.0031	Slew =,12.0	160	00	00	1,073,195:01:0	
91	302	22:38:12.733	117LA105A106E4B	7STRP	0.044329,0.00725	Slew =,2.55	160	00	00	1,073,195:12:0	
91	302	22:38:34.733	117LA105A106F4A	7STRP	-0.046032,0.0035	Slew =,12.0	160	00	00	1,073,195:45:0	
91	302	22:38:42.066	117LA105A106F4B	7STRP	0.044329,0.0055,	Slew =,2.55	160	00	00	1,073,195:56:0	
91	302	22:39:04.066	117LAL1A	CSMOS	GE	***** GROUP END CSMOS	160	00	00	1,073,195:89:0	
91	302	22:45:06.066		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6106 +/- 52;	160	00	00	1,073,201:86:0	
91	302	22:45:06.066	175MA422A6B	6DMS:	RDY,0	DMS Control Tape stop	160	00	00	1,073,201:86:0	
91	302	22:45:07.266		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6107 +/- 52;	160	00	00	1,073,201:86:0	
91	302	22:45:08.066	175MB422A6A	6DMS:	R7,0	DMS Control Tape runup 7.68kps	160	00	00	1,073,201:89:0	
91	302	22:45:08.066		DMS:	*RUNUP	R7, TRACK 3, FWD, TIC 6107 +/- 52;	160	00	00	1,073,201:89:0	
91	302	22:45:09.400	176MB6A	6TMCHG	ELSLRS	10 BPS TDM / LRS Rec 7.68kb/s	160	00	00	1,073,202:00:0	
91	302	22:45:09.533		DMS:	*RECORD	R7, TRACK 3, FWD, TIC *6108 +/- 52;	160	00	00	1,073,202:00:2	
91	302	22:57:16.066	165LB4A	7TMOT	DIS,TMC	Disable IVP - Target Motion	160	00	00	1,073,213:89:0	
91	302	22:57:16.733	165LB4B	7SCAN	NORM,75.438999,2	Check S/P Position	160	00	00	1,073,213:90:0	
91	302	23:00:23.400	117LB	CSMOS	GS	***** GROUP START CSMOS	160	00	00	1,073,217:06:0	
91	302	23:00:32.733	117LB105A106A4A	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,217:20:0	
91	302	23:01:00.066	117LB105A106A4B	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,217:61:0	
91	302	23:01:05.400	117LB105A106A4C	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,217:69:0	
91	302	23:01:32.733	117LB105A106A4D	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,218:19:0	
91	302	23:01:38.066	117LB105A106A4E	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,218:27:0	
91	302	23:02:05.400	117LB105A106A4F	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,218:68:0	
91	302	23:02:10.733	117LB105A106A4G	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,218:76:0	
91	302	23:02:38.066	117LB105A106A4H	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,219:26:0	
91	302	23:02:43.400	117LB105A106A4I	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,219:34:0	
91	302	23:03:10.733	117LB105A106A4J	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,219:75:0	
91	302	23:03:16.066	117LB105A106A4K	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,219:83:0	
91	302	23:03:43.400	117LB105A106A4L	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,220:33:0	
91	302	23:03:48.733	117LB105A106A4M	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,220:41:0	
91	302	23:04:16.066	117LB105A106A4N	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,220:82:0	
91	302	23:04:21.400	117LB105A106A4O	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,220:90:0	
91	302	23:04:48.733	117LB105A106A4P	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,221:40:0	
91	302	23:04:54.066	117LB105A106A4Q	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,221:48:0	
91	302	23:05:21.400	117LB105A106A4R	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,221:89:0	
91	302	23:05:26.733	117LB105A106A4S	7STRP	-0.024505,0.0,0,0,	Slew =,1.01	160	00	00	1,073,222:06:0	
91	302	23:05:54.066	117LB105A106A4T	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,222:47:0	

YR DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91 302	23:05:59.400	117LB105A106A4U	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,222:55:0	
91 302	23:06:26.733	117LB105A106A4V	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,223:05:0	
91 302	23:06:32.066	117LB105A106A4W	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,223:13:0	
91 302	23:06:59.400	117LB105A106A4X	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,223:54:0	
91 302	23:07:04.733	117LB105A106A4Y	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,223:62:0	
91 302	23:07:32.066	117LB105A106A4Z	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,224:12:0	
91 302	23:07:37.400	117LB105A106A4AA	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,224:20:0	
91 302	23:08:04.733	117LB105A106A4AB	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,224:61:0	
91 302	23:08:10.066	117LB105A106A4AC	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,224:69:0	
91 302	23:08:37.400	117LB105A106A4AD	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,225:19:0	
91 302	23:08:42.733	117LB105A106A4AE	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,225:27:0	
91 302	23:09:10.066	117LB105A106A4AF	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,225:68:0	
91 302	23:09:15.400	117LB105A106A4AG	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,225:76:0	
91 302	23:09:42.733	117LB105A106A4AH	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,226:26:0	
91 302	23:09:48.066	117LB105A106A4AI	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,226:34:0	
91 302	23:10:15.400	117LB105A106A4AJ	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,226:75:0	
91 302	23:10:20.733	117LB105A106A4AK	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,226:83:0	
91 302	23:10:48.066	117LB105A106A4AL	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,227:33:0	
91 302	23:10:53.400	117LB105A106A4AM	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,227:41:0	
91 302	23:11:20.733	117LB105A106A4AN	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,227:82:0	
91 302	23:11:26.066	117LB105A106A4AO	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,227:90:0	
91 302	23:11:53.400	117LB105A106A4AP	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,228:40:0	
91 302	23:11:58.733	117LB105A106A4AQ	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,228:48:0	
91 302	23:12:26.066	117LB105A106A4AR	7STRP	0.026806,-0.0016	Slew =17.31	160	00	00	1,073,228:89:0	
91 302	23:12:31.400	117LB105A106A4AS	7STRP	-0.024505,0.0,0,	Slew =,1.01	160	00	00	1,073,229:06:0	
91 302	23:12:58.733	117LB11A	CSMOS	GE	***** GROUP END CSMOS	160	00	00	1,073,229:47:0	
91 302	23:14:28.066	20LA4A	7SAFE	UNSTOW	S/P TO 153 deg cone	160	00	00	1,073,230:90:0	
91 302	23:29:38.733	175MB422A6B	6DMSC	RDY,0	DMS Control Tape stop	160	00	00	1,073,246:00:0	
91 302	23:29:38.733		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6734 +/- 52;	160	00	00	1,073,246:00:0	
91 302	23:29:40.000		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6735 +/- 52;	160	00	00	1,073,246:01:9	
91 303	01:18:03.400	20F4A	7MODE	CRU	AACS CRUISE MODE	160	00	00	1,073,353:20:0	
91 303	01:28:56.733	190JA4B	7MODE	CRU	AACS CRUISE MODE	160	00	00	1,073,363:90:0	
91 303	01:28:57.400	190JA4C	7SAFE	UNSTOW	S/P TO 153 deg cone	160	00	00	1,073,364:00:0	
91 303	01:32:54.066	190JA4D	7MODE	SPNL	AACS ALL-SPIN LOW	160	00	00	1,073,367:82:0	
91 303	01:34:56.733	GANNPCTCAL01		-----START-----		160	00	00		
91 303	01:34:56.733	128JV149A131A4A	37IOP	3,0	Long Map, Grating Start Position =0	163	00	00	1,073,369:84:0	
91 303	01:35:01.400	176JA6A	6TMCHG	ELSMWP	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	163	00	00	1,073,370:00:0	
91 303	01:40:59.400	190JA4E	7SAFE	UNSTOW	S/P TO 153 deg cone	163	00	00	1,073,375:82:0	
91 303	01:58:16.666	192JA4A	7CONE	17.4,54.88	Check S/P Position	163	00	00	1,073,393:00:0	
91 303	01:58:17.333	192JA4B	7CLK	17.4,244.07	Check S/P Position	163	00	00	1,073,393:01:0	
91 303	02:04:16.666		DMS:	*RUNUP	R28, TRACK 3, FWD, TIC 6735 +/- 52;	163	00	00	1,073,398:85:0	
91 303	02:04:16.666	175JA422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	163	00	00	1,073,398:85:0	

YR	DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF
91	303	02:04:20.666		DMS:	*RECORD	R28, TRACK 3, FWD, TIC *6737 +/- 53;	163	00		1,073,399:00:0	
91	303	02:05:16.666	157JA156A121A4A	37IST	1,2,0,OFF,0,0,3	Chopper ON, Sync, Chopper (Ref)	1R3	00		1,073,399:84:0	
91	303	02:05:20.666		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6789 +/- 53;	1R3	00		1,073,399:90:0	
91	303	02:05:20.666	175JA422A6B	6DMSC	RDY,0	DMS Control Tape stop	1R3	00		1,073,399:90:0	
91	303	02:05:21.866		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6790 +/- 53;	1R3	00		1,073,400:00:8	
91	303	02:07:18.666		DMS:	*RUNUP	R28, TRACK 3, FWD, TIC 6790 +/- 53;	1R3	00		1,073,401:85:0	
91	303	02:07:18.666	175JX422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	1R3	00		1,073,401:85:0	
91	303	02:07:22.666		DMS:	*RECORD	R28, TRACK 3, FWD, TIC *6792 +/- 53;	1R3	00		1,073,402:00:0	
91	303	02:08:22.666		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6845 +/- 53;	1R3	00		1,073,402:90:0	
91	303	02:08:22.666	175JX422A6B	6DMSC	RDY,0	DMS Control Tape stop	1R3	00		1,073,402:90:0	
91	303	02:08:23.866		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6846 +/- 53;	1R3	00		1,073,403:00:8	
91	303	02:09:19.333	157JA156A121B4A	37IOP	0,0	Safe, Grating Start Position =0	1R0	00		1,073,403:84:0	
91	303	02:09:24.000	191JA4A	7SAFE	UNSTOW	S/P TO 153 deg cone	1R0	00		1,073,404:00:0	
91	303	02:11:25.333	185JA10A3A	40HRP	1	RCT Heater ON (primary relay)	1R0	00		1,073,406:00:0	
91	303	02:11:25.333	GANNPCTCAL01		-----STOP-----		1R0	00			
91	303	02:13:26.666	191JA4B	7MODE	CRU	AACS CRUISE MODE	1R0	00		1,073,408:00:0	
91	303	08:39:36.666	128JW149A131A4A	37IOP	3,0	Long Map, Grating Start Position =0	1R3	00		1,073,789:84:0	
91	303	08:39:36.666	GANNRCTCAL01		-----START-----		1R3	00			
91	303	08:39:41.333	192JB4A	7CONE	17.4,0.0	Check S/P Position	1R3	00		1,073,790:00:0	
91	303	08:39:41.333	176JB6A	6TMCHG	ELSMPW	10 BPS TDM-NO NIMS R/T / 28.8 KBPS PWS + N	1R3	00		1,073,790:00:0	
91	303	08:42:39.333		DMS:	*RUNUP	R28, TRACK 3, FWD, TIC 6846 +/- 53;	1R3	00		1,073,792:85:0	
91	303	08:42:39.333	175JB422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	1R3	00		1,073,792:85:0	
91	303	08:42:43.333		DMS:	*RECORD	R28, TRACK 3, FWD, TIC *6847 +/- 54;	1R3	00		1,073,793:00:0	
91	303	08:43:39.333	157JB156A121A4A	37IST	1,0,0,OFF,0,1,3	Chopper ON, Sync, 63Hz (Ref)Gain State 1	163	00		1,073,793:84:0	
91	303	08:43:43.333		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6900 +/- 54;	163	00		1,073,793:90:0	
91	303	08:43:43.333	175JB422A6B	6DMSC	RDY,0	DMS Control Tape stop	163	00		1,073,793:90:0	
91	303	08:43:44.533		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6901 +/- 54;	163	00		1,073,794:00:8	
91	303	08:45:41.333		DMS:	*RUNUP	R28, TRACK 3, FWD, TIC 6901 +/- 54;	163	00		1,073,795:85:0	
91	303	08:45:41.333	175JY422A6A	6DMSC	R28,0	DMS Control Tape runup 28.8kbp	163	00		1,073,795:85:0	
91	303	08:45:45.333		DMS:	*RECORD	R28, TRACK 3, FWD, TIC *6902 +/- 54;	163	00		1,073,796:00:0	
91	303	08:46:45.333		DMS:	*RUNDOWN	RDY, TRACK 3, FWD, TIC *6955 +/- 54;	163	00		1,073,796:90:0	
91	303	08:46:45.333	175JY422A6B	6DMSC	RDY,0	DMS Control Tape stop	163	00		1,073,796:90:0	
91	303	08:46:46.533		DMS:	*READY	RDY, TRACK 3, FWD, TIC *6956 +/- 55;	163	00		1,073,797:00:8	
91	303	08:52:45.333	157JB156A121B4A	37IOP	0,0	Safe, Grating Start Position =0	160	00		1,073,802:84:0	
91	303	08:55:51.333	20JA4A	7SAFE	UNSTOW	S/P TO 153 deg cone	160	00		1,073,805:90:0	
91	303	08:55:52.000	185JA10B3A	40HRPR	1	RCT Heater OFF (primary relay)	160	00		1,073,806:00:0	
91	303	08:58:50.666	20YU4A	37IOP	CMD,37IOP,20YU4A	Grating Start Position =37	160	00		1,073,808:86:0	
91	303	08:58:54.000	GANNRCTCAL01		-----STOP-----		160	00			
91	303	08:59:51.333	20YU3A	37AR	CMD,37AR,20YU3A,	NIMS Power OFF	160	00		1,073,809:86:0	
91	303	09:00:11.333	20YU3B	37H	CMD,37H,20YU3B,,	Replacement Heaters ON	160	00		1,073,810:25:0	
91	303	09:03:06.000	20D3A	37F2P	CMD,37F2P,20D3A,	Shield Flash Heater ON (primary relay)	160	00		1,073,813:14:0	
91	303	09:03:10.666	20D3B	37F2P	CMD,37F2P,20D3B,	Shield Flash Heater ON (primary relay)	160	00		1,073,813:21:0	

YR DOY	Time	PSID	Command	Parameters	Description	GCM	O	S	RIM	MF	I
91 303	09:08:06.000	20E3A	40T1P	CMD,40T1P,20E3A, PCT Heater 1 ON	(primary relay)	1,073,			818,	09:0	
91 303	09:08:10.666	20E3B	40T1P	CMD,40T1P,20E3B, PCT Heater 1 ON	(primary relay)	1,073,			818,	16:0	
91 303	09:11:06.000	20E3C	40T2	CMD,40T2,20E3C,P PCT Heater 2 ON		1,073,			821,	06:0	
91 303	09:11:10.666	20E3D	40T2	CMD,40T2,20E3D,S PCT Heater 2 ON		1,073,			821,	13:0	
91 308	22:09:59.733		DMS:	RDY, TRACK 3, FWD, TIC 6956 +/- 55;		1,081,			712,	26:0	