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MTP and STP start and stop time period

<i>MTP</i>	<i>STP</i>	<i>VSTP</i>	<i>Execution Start</i>	<i>Execution End</i>
<i>MTP018</i>	STP063	VSTP120	2015/06/30T23:25:00	2015/07/03T23:25:00
		VSTP121	2015/07/03T23:25:00	2015/07/07T23:25:00
	STP064	VSTP122	2015/07/07T23:25:00	2015/07/10T23:25:00
		VSTP123	2015/07/10T23:25:00	2015/07/14T23:25:00
	STP065	VSTP124	2015/07/14T23:25:00	2015/07/17T23:25:00
		VSTP125	2015/07/17T23:25:00	2015/07/21T23:25:00
	STP066	VSTP126	2015/07/21T23:25:00	2015/07/24T23:25:00
		VSTP127	2015/07/24T23:25:00	2015/07/28T23:25:00
<i>MTP019</i>	STP067	VSTP128	2015/07/28T23:25:00	2015/07/31T23:25:00
		VSTP129	2015/07/31T23:25:00	2015/08/04T23:25:00
	STP068	VSTP130	2015/08/04T23:25:00	2015/08/07T23:25:00
		VSTP131	2015/08/07T23:25:00	2015/08/11T23:25:00
	STP069	VSTP132	2015/08/11T23:25:00	2015/08/14T23:25:00
		VSTP133	2015/08/14T23:25:00	2015/08/18T23:25:00
	STP070	VSTP134	2015/08/18T23:25:00	2015/08/21T23:25:00
		VSTP135	2015/08/21T23:25:00	2015/08/25T23:25:00
<i>MTP020</i>	STP071	VSTP136	2015/08/25T23:25:00	2015/08/28T23:25:00
		VSTP137	2015/08/28T23:25:00	2015/09/01T23:25:00
	STP072	VSTP138	2015/09/01T23:25:00	2015/09/04T23:25:00
		VSTP139	2015/09/04T23:25:00	2015/09/08T23:25:00
	STP073	VSTP140	2015/09/08T23:25:00	2015/09/11T23:25:00
		VSTP141	2015/09/11T23:25:00	2015/09/15T23:25:00
	STP074	VSTP142	2015/09/15T23:25:00	2015/09/18T23:25:00
		VSTP143	2015/09/18T23:25:00	2015/09/22T23:25:00

MTP021	STP075	VSTP144	2015/09/22T23:25:00	2015/09/25T23:25:00
		VSTP145	2015/09/25T23:25:00	2015/09/29T23:25:00
	STP076	VSTP146	2015/09/29T23:25:00	2015/10/02T23:25:00
		VSTP147	2015/10/02T23:25:00	2015/10/06T23:25:00
	STP077	VSTP148	2015/10/06T23:25:00	2015/10/09T23:25:00
		VSTP149	2015/10/09T23:25:00	2015/10/13T23:25:00
	STP078	VSTP150	2015/10/13T23:25:00	2015/10/16T23:25:00
		VSTP151	2015/10/16T23:25:00	2015/10/20T23:25:00

STP063

Start time	Set Time	Instrument	Mode/Seq	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 30/06/2015 23:25 01/07/2015 03:55								
182_04:00:00	1	ROSINA	Flight sequence	ARNF051A	0	0	60	182_04:01:00
182_04:10:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	182_04:12:00
182_04:12:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	182_04:15:40
182_05:50:00	0	RTOF	Flight sequence	ARNF022B	0	0	60	RTOF Mode 51 : switch to filament 2 (PERMANENT)
182_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	182_05:57:00
182_05:57:00	0	COPS	Mode	322	1	0	60	182_05:58:00
182_05:58:00	0	RTOF	Flight sequence	ARNS041A_RTOF	0	0	60	182_05:59:00
182_06:05:00	1	RTOF	Flight sequence	ARNF004A	0	0	120	182_06:07:00
182_06:07:00	0	RTOF	Mode	51	3	0	2460	182_06:48:00
182_06:08:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	182_06:10:00
182_06:10:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	182_06:10:20
182_06:10:20	0	COPS	Flight sequence	ARNF016A	0	0	60	182_06:11:20
182_06:11:20	0	DFMS	Mode	222	0	3	11940	182_09:30:20
182_09:30:20	0	DFMS	Flight sequence	ARNS081B	0	0	10	182_09:30:30
182_09:30:30	0	RTOF	Mode	1	0	0	0	182_09:30:30
182_09:31:30	0	DFMS	Mode	1	0	0	120	182_09:33:30
182_09:32:30	0	RTOF	Flight sequence	ARNF014A	0	0	120	182_09:34:30
MWNV 01/07/2015 09:37 01/07/2015 10:47								
182_10:47:00	1	DFMS	Mode	222	0	11	31680	182_19:35:00
182_19:35:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	182_19:35:10
182_19:35:10	0	DFMS	Mode	1	0	0	120	182_19:37:10
MWNV 01/07/2015 19:50 01/07/2015 21:00								
182_21:00:00	1	DFMS	Mode	222	0	0	3300	182_21:55:00

182_21:55:00	0	DFMS	Sequence	28	0	0	3140	182_22:47:20
182_22:47:20	0	DFMS	Mode	600	0	0	4600	183_00:04:00
183_00:04:00	0	DFMS	Sequence	28	0	0	3260	183_00:58:20
183_00:58:20	0	DFMS	Mode	631	0	0	4600	183_02:15:00
183_02:15:00	0	DFMS	Sequence	28	0	0	3260	183_03:09:20
183_03:09:20	0	DFMS	Mode	632	0	0	4480	183_04:24:00
183_04:24:00	0	DFMS	Mode	520	0	3	628	183_04:34:28
183_04:34:28	0	DFMS	Mode	630	0	0	4600	183_05:51:08
183_05:51:08	0	DFMS	Mode	520	0	2	591	183_06:00:59
183_06:00:59	0	DFMS	Flight sequence	ARNS081B	0	0	10	183_06:01:09
183_06:01:09	0	DFMS	Mode	1	0	0	120	183_06:03:09
MWNV	02/07/2015 06:03	02/07/2015 07:13						
183_07:13:00	1	DFMS	Mode	222	0	11	31680	183_16:01:00
183_16:01:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	183_16:01:10
183_16:01:10	0	DFMS	Mode	1	0	0	120	183_16:03:10
MWNV	02/07/2015 16:16	02/07/2015 17:26						
183_17:26:00	1	DFMS	Mode	222	0	11	31680	184_02:14:00
184_02:18:24	1	DFMS	Flight sequence	ARNS081B	0	0	10	184_02:18:34
184_02:18:34	0	DFMS	Mode	1	0	0	120	184_02:20:34
MWNV	03/07/2015 02:29	03/07/2015 03:39						
184_03:39:00	1	DFMS	Mode	222	0	8	23940	184_10:18:00
184_10:18:00	0	DFMS	Mode	222	0	2	7740	184_12:27:00
184_12:27:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	184_12:27:10
184_12:27:10	0	DFMS	Mode	1	0	0	120	184_12:29:10
MWNV	03/07/2015 12:42	03/07/2015 13:52						
184_13:52:00	1	DFMS	Mode	222	0	11	31680	184_22:40:00
184_22:40:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	184_22:40:10
184_22:40:10	0	DFMS	Mode	1	0	0	120	184_22:42:10
184_22:42:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	184_22:42:30
184_22:42:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	184_22:44:35
184_23:15:00	1	COPS	Flight sequence	ARNF016B	0	0	60	184_23:16:00

184_23:16:00	0	COPS	Flight sequence	ARNF011A	0	0	210	184_23:19:30
MOCM	03/07/2015 23:25	04/07/2015 05:55						
185_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	185_05:57:00
185_05:57:00	0	COPS	Mode	322	1	0	60	185_05:58:00
185_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	185_06:00:00
185_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	185_06:00:20
185_06:00:20	0	DFMS	Mode	222	0	3	11040	185_09:04:20
185_06:20:20	1	COPS	Flight sequence	ARNF016A	0	0	60	185_06:21:20
185_09:04:20	0	DFMS	Flight sequence	ARNS081B	0	0	10	185_09:04:30
185_09:04:30	0	DFMS	Mode	1	0	0	120	185_09:06:30
MWNV	04/07/2015 09:28	04/07/2015 10:38						
185_10:38:00	1	DFMS	Mode	222	0	10	29100	185_18:43:00
185_18:43:00	0	DFMS	Mode	222	0	0	2580	185_19:26:00
185_19:26:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	185_19:26:10
185_19:26:10	0	DFMS	Mode	1	0	0	120	185_19:28:10
MWNV	04/07/2015 19:31	04/07/2015 20:41						
185_20:41:00	1	DFMS	Sequence	28	0	1	7000	185_22:37:40
185_22:37:40	0	DFMS	Mode	630	0	0	4600	185_23:54:20
185_23:54:20	0	DFMS	Sequence	28	0	0	3260	186_00:48:40
186_00:48:40	0	DFMS	Mode	600	0	0	4600	186_02:05:20
186_02:05:20	0	DFMS	Mode	520	0	4	905	186_02:20:25
186_02:20:25	0	DFMS	Mode	620	0	0	4600	186_03:37:05
186_03:37:05	0	DFMS	Mode	520	0	4	905	186_03:52:10
186_03:52:10	0	DFMS	Mode	630	0	0	4600	186_05:08:50
186_05:08:50	0	DFMS	Mode	520	0	7	1376	186_05:31:46
186_05:31:46	0	DFMS	Flight sequence	ARNS081B	0	0	10	186_05:31:56
186_05:31:56	0	DFMS	Mode	1	0	0	120	186_05:33:56
MWNV	05/07/2015 05:34	05/07/2015 06:44						
186_06:44:00	1	DFMS	Mode	245	0	20	25800	186_13:54:00
186_13:54:00	0	DFMS	Mode	215	0	6	6048	186_15:34:48
186_15:34:48	0	DFMS	Flight sequence	ARNS081B	0	0	10	186_15:34:58

186_15:34:58	0	DFMS	Mode	1	0	0	120	186_15:36:58
MWNV	05/07/2015 15:37	05/07/2015 16:47						
186_21:59:24	0	DFMS	Mode	245	0	9	12000	187_01:19:24
187_01:19:24	0	DFMS	Flight sequence	ARNS081B	0	0	10	187_01:19:34
187_01:19:34	0	DFMS	Mode	1	0	0	120	187_01:21:34
MWNV	06/07/2015 01:40	06/07/2015 02:50						
187_02:50:00	1	DFMS	Mode	245	0	20	25800	187_10:00:00
187_10:00:00	0	DFMS	Mode	245	0	4	6000	187_11:40:00
187_11:40:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	187_11:40:10
187_11:40:10	0	DFMS	Mode	1	0	0	120	187_11:42:10
MWNV	06/07/2015 11:43	06/07/2015 12:53						
187_12:53:00	1	DFMS	Mode	222	0	11	31680	187_21:41:00
187_21:41:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	187_21:41:10
187_21:41:10	0	DFMS	Mode	1	0	0	120	187_21:43:10
MWNV	06/07/2015 21:47	06/07/2015 22:57						
187_22:57:00	1	DFMS	Mode	222	0	10	29100	188_07:02:00
188_07:02:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	188_07:02:10
188_07:02:10	0	DFMS	Mode	1	0	0	120	188_07:04:10
MWNV	07/07/2015 07:50	07/07/2015 09:00						
188_09:00:00	1	DFMS	Mode	215	0	20	18744	188_14:12:24
188_14:12:24	0	DFMS	Mode	215	0	12	11232	188_17:19:36
188_17:19:36	0	DFMS	Flight sequence	ARNS081B	0	0	10	188_17:19:46
188_17:19:46	0	DFMS	Mode	1	0	0	120	188_17:21:46
188_17:21:46	0	DFMS	Flight sequence	ARNF100B	0	0	20	188_17:22:06
188_17:22:06	0	DFMS	Flight sequence	ARNF014B	0	0	125	188_17:24:11
MWNV	07/07/2015 17:53	07/07/2015 19:03						
188_23:15:00	1	COPS	Flight sequence	ARNF016B	0	0	60	188_23:16:00
188_23:16:00	0	COPS	Flight sequence	ARNF011A	0	0	210	188_23:19:30
MOCM	07/07/2015 23:25	08/07/2015 03:55						

STP064

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM - 07.07.2015 23:25:00 - 08.07.2015 03:55								
189_03:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	189_03:57:00
189_03:57:00	0	COPS	Mode	322	1	0	60	189_03:58:00
189_03:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	189_04:00:00
189_04:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	189_04:00:20
189_04:00:20	0	DFMS	Mode	215	0	3	4326	189_05:12:26
189_04:38:00	1	COPS	Flight sequence	ARNF016A	0	0	60	189_04:39:00
189_04:40:00 0 RTOF Flight sequence ARNF022B 0 0 60 189_04:41:00								
189_04:58:00	1	RTOF	Flight sequence	ARNF004A	0	0	120	189_05:00:00
189_05:00:00	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	189_05:01:00
189_05:01:00	0	RTOF	Mode	51	5	0	3660	189_06:02:00
189_05:13:26	0	DFMS	Mode	245	0	7	9600	189_07:53:26
189_06:02:00	0	RTOF	Mode	521	15	0	4280	189_07:13:20
189_07:13:20	0	RTOF	Mode	181	2	0	740	189_07:25:40
189_07:25:40	0	RTOF	Mode	1	0	0	240	189_07:29:40
189_07:50:00	1	RTOF	Flight sequence	ARNF014A	0	0	120	189_07:52:00
189_07:53:26	0	DFMS	Mode	217	0	0	3732	189_08:55:38
189_09:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	189_09:32:10
189_09:32:10	0	DFMS	Mode	1	0	0	120	189_09:34:10
WOL - 08.07.2015 09:37 - 08.07.2015 10:47								
189_10:47:00	1	DFMS	Mode	222	0	7	21360	189_16:43:00
189_16:43:00	0	DFMS	Mode	245	0	4	6120	189_18:25:00
189_18:25:00	0	DFMS	Mode	217	0	0	3732	189_19:27:12
189_19:47:15	1	DFMS	Flight sequence	ARNS081B	0	0	10	189_19:47:25
189_19:47:25	0	DFMS	Mode	1	0	0	120	189_19:49:25
WOL - 08.07.2015 19:50 - 08.07.2015 21:00								
Pixel Shift - shift paramter = -10								
189_21:00:00	1	DFMS	Mode	502	0	20	27600	190_04:40:00
190_04:40:00	0	DFMS	Mode	502	0	2	3840	190_05:44:00

COPS
Science ON

RTOF Mode
521 & M181 :
switch to
filament 2
(PERMANENT)

RTOF on with
Filament 2

190_05:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	190_05:55:10
190_05:55:10	0	DFMS	Mode	1	0	0	120	190_05:57:10
WOL - 09.07.2015 06:03 - 09.07.2015 07:13								
Pixel Shift - shift paramter = 0								
190_07:13:00	1	COPS	Mode	322	1	0	60	190_07:14:00
190_07:14:00	1	DFMS	Mode	222	0	9	26520	190_14:36:00
190_14:36:00	0	DFMS	Mode	262	0	0	2880	190_15:24:00
190_15:24:00	0	DFMS	Mode	220	0	0	1194	190_15:43:54
190_15:43:54	0	DFMS	Mode	260	0	0	864	190_15:58:18
190_16:11:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	190_16:11:10
190_16:11:10	0	DFMS	Mode	1	0	0	120	190_16:13:10
WOL - 09.07.2015 16:16 - 09.07.2015 17:26								
190_17:26:00	1	DFMS	Mode	222	0	9	26520	191_00:48:00
191_00:48:00	0	DFMS	Mode	262	0	0	2880	191_01:36:00
191_01:36:00	0	DFMS	Mode	220	0	0	1194	191_01:55:54
191_01:55:54	0	DFMS	Mode	260	0	1	1728	191_02:24:42
191_02:24:45	1	DFMS	Flight sequence	ARNS081B	0	0	10	191_02:24:55
191_02:24:55	0	DFMS	Mode	1	0	0	120	191_02:26:55
WOL - 10.07.2015 02:29 - 10.07.2015 03:39								
Pixel Shift - shift paramter = -19								
191_03:39:00	1	COPS	Mode	322	1	0	60	191_03:40:00
191_03:40:00	1	DFMS	Mode	502	0	20	27600	191_11:20:00
191_11:20:00	0	DFMS	Mode	502	0	2	3840	191_12:24:00
191_12:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	191_12:37:10
191_12:37:10	0	DFMS	Mode	1	0	0	120	191_12:39:10
WOL - 10.07.2015 12:42 - 10.07.2015 13:52								
Pixel Shift - shift paramter = 0								
191_13:52:00	1	DFMS	Mode	222	0	7	21360	191_19:48:00
191_19:48:00	0	DFMS	Mode	245	0	5	7320	191_21:50:00
191_21:50:00	0	DFMS	Mode	217	0	0	3732	191_22:52:12
191_23:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	191_23:10:10
191_23:10:10	0	DFMS	Mode	1	0	0	120	191_23:12:10
191_23:12:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	191_23:12:30
191_23:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	191_23:14:35
191_23:14:35	0	COPS	Flight sequence	ARNF016B	0	0	60	191_23:15:35

191_23:15:35	0	COPS	Flight sequence	ARNF011A	0	0	210	191_23:19:05
MOCM - 10.07.2015 23:25:00 - 11.07.2015 05:55								
192_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	192_05:57:00
192_05:57:00	0	COPS	Mode	322	1	0	60	192_05:58:00
192_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	192_06:00:00
192_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	192_06:00:20
192_06:00:20	0	DFMS	Mode	222	0	1	5880	192_07:38:20
192_06:38:00	1	COPS	Flight sequence	ARNF016A	0	0	60	192_06:39:00
192_07:38:20	0	DFMS	Mode	245	0	1	2520	192_08:20:20
192_08:20:20	0	DFMS	Mode	217	0	0	3732	192_09:22:32
192_09:24:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	192_09:24:10
192_09:24:10	0	DFMS	Mode	1	0	0	120	192_09:26:10
WOL - 11.07.2015 09:28 - 11.07.2015 10:38								
192_10:38:00	1	DFMS	Mode	222	0	9	26520	192_18:00:00
192_18:00:00	0	DFMS	Mode	262	0	0	2880	192_18:48:00
192_18:48:00	0	DFMS	Mode	220	0	0	1194	192_19:07:54
192_19:07:54	0	DFMS	Mode	260	0	0	864	192_19:22:18
192_19:26:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	192_19:26:10
192_19:26:10	0	DFMS	Mode	1	0	0	120	192_19:28:10
WOL - 11.07.2015 19:31 - 11.07.2015 20:41								
192_20:41:00	1	COPS	Mode	322	1	0	60	192_20:42:00
192_20:42:00	1	DFMS	Mode	222	0	9	26520	193_04:04:00
193_04:04:00	0	DFMS	Mode	262	0	0	2880	193_04:52:00
193_04:52:00	0	DFMS	Mode	220	0	0	1194	193_05:11:54
193_05:11:54	0	DFMS	Mode	260	0	0	864	193_05:26:18
193_05:29:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	193_05:29:10
193_05:29:10	0	DFMS	Mode	1	0	0	120	193_05:31:10
WOL - 12.07.2015 05:34 - 12.07.2015 06:44								
193_06:44:00	1	DFMS	Mode	502	0	2	4560	193_08:00:00
193_08:00:00	0	DFMS	Sequence	64	0	6	15540	193_12:19:00
193_12:19:00	0	DFMS	Sequence	59	0	6	8680	193_14:43:40
193_14:43:40	0	DFMS	Mode	502	0	1	2560	193_15:26:20
193_15:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	193_15:32:10
193_15:32:10	0	DFMS	Mode	1	0	0	120	193_15:34:10
WOL - 12.07.2015 15:37 - 12.07.2015 16:47								

**COPS
Science ON**

193_16:47:00	1	COPS	Mode	322	1	0	60	193_16:48:00
193_16:48:00	1	DFMS	Mode	222	0	9	26520	194_00:10:00
194_00:10:00	0	DFMS	Mode	262	0	0	2880	194_00:58:00
194_00:58:00	0	DFMS	Mode	220	0	0	1194	194_01:17:54
194_01:17:54	0	DFMS	Mode	260	0	0	864	194_01:32:18
194_01:35:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	194_01:35:10
194_01:35:10	0	DFMS	Mode	1	0	0	120	194_01:37:10

WOL -13.07.2015 01:40 - 13.07.2015 02:50

194_02:50:00	1	DFMS	Mode	222	0	2	8460	194_05:11:00
194_05:11:00	0	DFMS	Mode	532	0	2	15636	194_09:31:36
194_09:31:36	0	DFMS	Mode	222	0	2	7740	194_11:40:36
194_11:40:45	1	DFMS	Flight sequence	ARNS081B	0	0	10	194_11:40:55
194_11:40:55	0	DFMS	Mode	1	0	0	120	194_11:42:55

WOL - 13.07.2015 11:43 - 13.07.2015 12:53

194_12:53:00	1	COPS	Mode	322	1	0	60	194_12:54:00
194_12:54:00	1	DFMS	Mode	222	0	9	26520	194_20:16:00
194_20:16:00	0	DFMS	Mode	262	0	0	2880	194_21:04:00
194_21:04:00	0	DFMS	Mode	220	0	0	1194	194_21:23:54
194_21:23:54	0	DFMS	Mode	260	0	0	864	194_21:38:18
194_21:42:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	194_21:42:10
194_21:42:10	0	DFMS	Mode	1	0	0	120	194_21:44:10

WOL - 13.07.2015 21:47 - 13.07.2015 22:57

194_22:57:00	1	DFMS	Mode	222	0	7	21360	195_04:53:00
195_04:53:00	0	DFMS	Mode	245	0	4	6120	195_06:35:00
195_06:35:00	0	DFMS	Mode	217	0	0	3732	195_07:37:12
195_07:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	195_07:45:10
195_07:45:10	0	DFMS	Mode	1	0	0	120	195_07:47:10

WOL - 14.07.2015 07:50 - 14.07.2015 09:00

195_09:00:00	1	DFMS	Mode	222	0	7	21360	195_14:56:00
195_09:01:00	1	COPS	Mode	322	1	0	60	195_09:02:00
195_14:56:00	0	DFMS	Mode	245	0	4	6120	195_16:38:00
195_16:38:00	0	DFMS	Mode	217	0	0	3732	195_17:40:12
195_17:48:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	195_17:48:10
195_17:48:10	0	DFMS	Mode	1	0	0	120	195_17:50:10

WOL - 14.07.2015 17:53 - 14.07.2015 19:03

195_19:03:00	1	DFMS	Mode	222	0	0	3300	195_19:58:00
195_19:58:00	0	DFMS	Mode	245	0	5	7320	195_22:00:00
195_22:00:00	0	DFMS	Mode	217	0	0	3732	195_23:02:12
195_23:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	195_23:10:10
195_23:10:10	0	DFMS	Mode	1	0	0	120	195_23:12:10
195_23:12:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	195_23:12:30
195_23:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	195_23:14:35
195_23:14:35	0	COPS	Flight sequence	ARNF016B	0	0	60	195_23:15:35
195_23:15:35	0	COPS	Flight sequence	ARNF011A	0	0	210	195_23:19:05

MOCM - 14.07.2015 23:25:00 - 15.07.2015 03:55

STP065

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 14/07/2015 23:25:00 - 15/07/2015 03:55:00								
196_03:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	196_03:57:00
196_03:57:00	0	COPS	Mode	322	1	0	60	196_03:58:00
196_03:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	196_04:00:00
196_04:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	196_04:00:20
196_04:00:20	0	DFMS	Mode	215	0	3	4326	196_05:12:26
196_04:37:00	1	COPS	Flight sequence	ARNF016A	0	0	60	196_04:39:00
196_04:40:00	1	RTOF	Flight sequence	ARNF022B	0	0	60	196_04:41:00
196_04:58:00	1	RTOF	Flight sequence	ARNF004A	0	0	120	196_05:00:00
196_05:00:00	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	196_05:01:00
196_05:01:00	0	RTOF	Mode	51	5	0	3660	196_06:02:00
196_05:12:26	0	DFMS	Mode	245	0	7	9600	196_07:52:26
196_06:02:00	0	RTOF	Mode	521	15	0	4280	196_07:13:20
196_07:13:20	0	RTOF	Mode	181	2	0	740	196_07:25:40
196_07:25:40	0	RTOF	Mode	1	0	0	240	196_07:29:40
196_07:50:00	1	RTOF	Flight sequence	ARNF014A	0	0	120	196_07:52:00

COPS Science ON

RTOF Mode 521 & M181: switch to filament 2 (PERMANENT)

RTOF on with Filament 2 (really)

196_07:52:26	0	DFMS	Mode	215	0	5	5184	196_09:18:50
196_09:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	196_09:32:10
196_09:32:10	0	DFMS	Mode	1	0	0	120	196_09:34:10
MWNV 15/07/2015 09:37:51 - 15/07/2015 10:47:51								
196_09:47:51	1	DFMS	Mode	51	0	0	3600	196_10:47:51
196_10:47:51	0	DFMS	Mode	222	0	7	20760	196_16:33:51
196_16:33:51	0	DFMS	Mode	245	0	4	6120	196_18:15:51
196_18:15:51	0	DFMS	Mode	215	0	5	5184	196_19:42:15
196_19:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	196_19:45:10
196_19:45:10	0	DFMS	Mode	1	0	0	120	196_19:47:10
MWNV 15/07/2015 19:50:43 - 15/07/2015 21:00:43								
196_20:00:43	1	DFMS	Mode	51	0	0	3600	196_21:00:43
196_21:00:43	0	DFMS	Mode	222	0	7	20760	197_02:46:43
197_02:46:43	0	DFMS	Mode	245	0	4	6120	197_04:28:43
197_04:28:43	0	DFMS	Mode	215	0	5	5184	197_05:55:07
197_05:58:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	197_05:58:10
197_05:58:10	0	DFMS	Mode	1	0	0	120	197_06:00:10
MWNV 16/07/2015 06:03:34 - 16/07/2015 07:13:34								
197_07:13:34	1	COPS	Mode	322	1	0	60	197_07:14:34
197_07:14:34	1	DFMS	Mode	222	0	9	26520	197_14:36:34
197_14:36:34	0	DFMS	Mode	262	0	0	2880	197_15:24:34
197_15:24:34	0	DFMS	Mode	220	0	0	1194	197_15:44:28
197_15:44:28	0	DFMS	Mode	260	0	0	864	197_15:58:52
197_16:11:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	197_16:11:10
197_16:11:10	0	DFMS	Mode	1	0	0	120	197_16:13:10
MWNV 16/07/2015 16:16:26 - 16/07/2015 17:26:26								
197_17:26:26	1	DFMS	Mode	222	0	9	26520	198_00:48:26
198_00:48:26	0	DFMS	Mode	262	0	0	2880	198_01:36:26
198_01:36:26	0	DFMS	Mode	220	0	0	1194	198_01:56:20
198_01:56:20	0	DFMS	Mode	260	0	1	1728	198_02:25:08
198_02:26:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	198_02:26:10
198_02:26:10	0	DFMS	Mode	1	0	0	120	198_02:28:10
MWNV 17/07/2015 02:29:17 - 17/07/2015 03:39:17								

Closest
approach 1
(IONS)

198_03:39:17	1	COPS	Mode	322	1	0	60	198_03:40:17
198_03:40:17	1	DFMS	Mode	222	0	7	21360	198_09:36:17
198_09:36:17	0	DFMS	Mode	245	0	4	6120	198_11:18:17
198_11:18:17	0	DFMS	Mode	215	0	4	4320	198_12:30:17
198_12:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	198_12:37:10
198_12:37:10	0	DFMS	Mode	1	0	0	120	198_12:39:10

MWNV 17/07/2015 12:42:09 - 17/07/2015 13:52:09

198_13:52:09	1	DFMS	Mode	222	0	7	21360	198_19:48:09
198_19:48:09	0	DFMS	Mode	245	0	5	7320	198_21:50:09
198_21:50:09	0	DFMS	Mode	215	0	4	4320	198_23:02:09
198_23:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	198_23:10:10
198_23:10:10	0	DFMS	Mode	1	0	0	120	198_23:12:10
198_23:12:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	198_23:12:30
198_23:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	198_23:14:35
198_23:14:35	0	COPS	Flight sequence	ARNF016B	0	0	60	198_23:15:35
198_23:15:35	0	COPS	Flight sequence	ARNF011A	0	0	210	198_23:19:05

MOCM 17/07/2015 23:25:00 - 18/07/2015 05:55:00

199_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	199_05:57:00
199_05:57:00	0	COPS	Mode	322	1	0	60	199_05:58:00
199_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	199_06:00:00
199_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	199_06:00:20
199_06:00:20	0	DFMS	Mode	51	4	0	18000	199_11:00:20
199_06:37:00	1	COPS	Flight sequence	ARNF016A	0	0	60	199_06:39:00

MWNV 18/07/2015 09:28:09 - 18/07/2015 10:38:09

199_11:00:20	0	DFMS	Mode	222	0	9	25920	199_18:12:20
199_18:12:20	0	DFMS	Mode	262	0	0	2880	199_19:00:20
199_19:00:20	0	DFMS	Mode	260	0	0	864	199_19:14:44
199_19:26:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	199_19:26:10
199_19:26:10	0	DFMS	Mode	1	0	0	120	199_19:28:10

MWNV 18/07/2015 19:31:19 - 18/07/2015 20:41:19

199_20:41:19	1	COPS	Mode	322	1	0	60	199_20:42:19
199_20:42:19	1	DFMS	Mode	222	0	9	26520	200_04:04:19
200_04:04:19	0	DFMS	Mode	262	0	0	2880	200_04:52:19
200_04:52:19	0	DFMS	Mode	220	0	0	1194	200_05:12:13
200_05:12:13	0	DFMS	Mode	260	0	0	864	200_05:26:37

**COPS
Science
ON**

200_05:29:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	200_05:29:10
200_05:29:10	0	DFMS	Mode	1	0	0	120	200_05:31:10
MWNV 19/07/2015 05:34:28 - 19/07/2015 06:44:28								
200_06:44:28	1	DFMS	Mode	502	0	2	4560	200_08:00:28
200_08:00:28	0	DFMS	Sequence	64	0	6	15540	200_12:19:28
200_12:19:28	0	DFMS	Sequence	59	0	6	8680	200_14:44:08
200_14:44:08	0	DFMS	Mode	502	0	1	2560	200_15:26:48
200_15:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	200_15:32:10
200_15:32:10	0	DFMS	Mode	1	0	0	120	200_15:34:10
MWNV 19/07/2015 15:37:38 - 19/07/2015 16:47:38								
200_16:47:38	1	COPS	Mode	322	1	0	60	200_16:48:38
200_16:48:38	1	DFMS	Mode	222	0	9	26520	201_00:10:38
201_00:10:38	0	DFMS	Mode	262	0	0	2880	201_00:58:38
201_00:58:38	0	DFMS	Mode	220	0	0	1194	201_01:18:32
201_01:18:32	0	DFMS	Mode	260	0	0	864	201_01:32:56
201_01:35:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	201_01:35:10
201_01:35:10	0	DFMS	Mode	1	0	0	120	201_01:37:10
MWNV 20/07/2015 01:40:47 - 20/07/2015 02:50:47								
201_02:50:47	1	DFMS	Mode	222	0	2	8460	201_05:11:47
201_05:11:47	0	DFMS	Mode	532	0	2	15636	201_09:32:23
201_09:32:23	0	DFMS	Mode	222	0	2	7740	201_11:41:23
201_11:41:47	1	DFMS	Flight sequence	ARNS081B	0	0	10	201_11:41:57
201_11:41:57	0	DFMS	Mode	1	0	0	120	201_11:43:57
MWNV 20/07/2015 11:43:57 - 20/07/2015 12:53:57								
201_12:53:57	1	COPS	Mode	322	1	0	60	201_12:54:57
201_12:54:57	1	DFMS	Mode	222	0	9	26520	201_20:16:57
201_20:16:57	0	DFMS	Mode	262	0	0	2880	201_21:04:57
201_21:04:57	0	DFMS	Mode	220	0	0	1194	201_21:24:51
201_21:24:51	0	DFMS	Mode	260	0	0	864	201_21:39:15
201_21:42:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	201_21:42:10
201_21:42:10	0	DFMS	Mode	1	0	0	120	201_21:44:10
MWNV 20/07/2015 21:47:06 - 20/07/2015 22:57:06								
201_22:57:06	1	DFMS	Mode	222	0	11	31680	202_07:45:06

Closest
approach 2
(NEUTRALS)

202_07:48:06	1	DFMS	Flight sequence	ARNS081B	0	0	10	202_07:48:16
202_07:48:16	0	DFMS	Mode	1	0	0	120	202_07:50:16
MWNV 21/07/2015 07:50:16 - 21/07/2015 09:00:16								
202_09:00:16	1	COPS	Mode	322	1	0	60	202_09:01:16
202_09:01:16	1	DFMS	Mode	222	0	7	21360	202_14:57:16
202_14:57:16	0	DFMS	Mode	245	0	4	6120	202_16:39:16
202_16:39:16	0	DFMS	Mode	215	0	3	3456	202_17:36:52
202_17:48:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	202_17:48:10
202_17:48:10	0	DFMS	Mode	1	0	0	120	202_17:50:10
MWNV 21/07/2015 17:53:25 - 21/07/2015 19:03:25								
202_19:03:25	1	DFMS	Mode	222	0	0	3300	202_19:58:25
202_19:58:25	0	DFMS	Mode	245	0	5	7320	202_22:00:25
202_22:00:25	0	DFMS	Mode	215	0	3	3456	202_22:58:01
202_23:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	202_23:10:10
202_23:10:10	0	DFMS	Mode	1	0	0	120	202_23:12:10
202_23:12:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	202_23:12:30
202_23:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	202_23:14:35
202_23:14:35	0	COPS	Flight sequence	ARNF016B	0	0	60	202_23:15:35
202_23:15:35	0	COPS	Flight sequence	ARNF011A	0	0	210	202_23:19:05
MOCM 21/07/2015 23:25:00 - 22/07/2015 03:55:00								

STP066

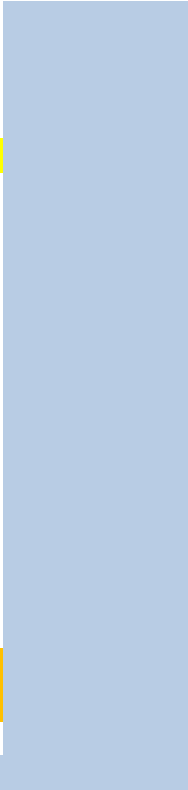
Start time	Set Time	Instrument	Mode/Sequence	Mode/Se number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 21/07/2015 23:25:00 - 22/07/2015 03:55:00								
203_03:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	203_03:57:00
203_03:57:00	0	COPS	Mode	322	1	0	60	203_03:58:00
203_03:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	203_04:00:00
203_04:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	203_04:00:20
203_04:00:20	0	DFMS	Mode	215	0	3	4326	203_05:12:26
203_04:37:00	1	COPS	Flight sequence	ARNF016A	0	0	60	203_04:38:00
203_05:12:26	0	DFMS	Mode	245	0	7	9600	203_07:52:26
203_07:52:26	0	DFMS	Mode	215	0	6	6048	203_09:33:14

**Non
operational
heaters off**

**COPS science
ON**

203_09:33:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	203_09:33:40
203_09:33:40	0	DFMS	Mode	1	0	0	120	203_09:35:40
MWNV 22.07.2015 09:37:51 - 22.07.2015 10:47:51								
203_10:47:00	1	DFMS	Mode	245	0	7	10200	203_13:37:00
203_13:37:00	0	DFMS	Mode	215	0	11	10368	203_16:29:48
203_16:29:48	0	DFMS	Mode	245	0	6	8400	203_18:49:48
203_18:49:48	0	DFMS	Mode	215	0	3	3456	203_19:47:24
203_19:47:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	203_19:47:40
203_19:47:40	0	DFMS	Mode	1	0	0	120	203_19:49:40
MWNV 22.07.2015 19:50:43 - 22.07.2015 21:00:43								
203_21:00:43	1	COPS	Mode	322	1	0	60	203_21:01:43
203_21:02:00	1	DFMS	Mode	222	0	9	26520	204_04:24:00
204_04:24:00	0	DFMS	Mode	262	0	0	2880	204_05:12:00
204_05:12:00	0	DFMS	Mode	220	0	0	1194	204_05:31:54
204_05:31:54	0	DFMS	Mode	260	0	0	864	204_05:46:18
204_05:58:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	204_05:58:10
204_05:58:10	0	DFMS	Mode	1	0	0	120	204_06:00:10
MWNV 23.07.2015 06:03:34 - 23.07.2015 07:13:34								
204_07:13:34	1	DFMS	Mode	245	0	7	10200	204_10:03:34
204_10:03:34	0	DFMS	Mode	215	0	6	6048	204_11:44:22
204_11:44:22	0	DFMS	Mode	245	0	6	8400	204_14:04:22
204_14:04:22	0	DFMS	Mode	215	0	7	6912	204_15:59:34
204_16:11:26	1	DFMS	Flight sequence	ARNS081B	0	0	10	204_16:11:36
204_16:11:36	0	DFMS	Mode	1	0	0	120	204_16:13:36
MWNV 23.07.2015 16:16:26 - 23.07.2015 17:26:26								
204_17:26:26	1	COPS	Mode	322	1	0	60	204_17:27:26
204_17:28:00	1	DFMS	Mode	245	0	6	9000	204_19:58:00
204_19:58:00	0	DFMS	Mode	215	0	7	6912	204_21:53:12
204_21:53:12	0	DFMS	Mode	245	0	7	9600	205_00:33:12
205_00:33:12	0	DFMS	Mode	215	0	6	6048	205_02:14:00
205_02:22:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	205_02:22:10
205_02:22:10	0	DFMS	Mode	1	0	0	120	205_02:24:10
MWNV 24.07.2015 02:29:17 - 24.07.2015 03:39:17								
205_03:39:17	1	DFMS	Mode	222	0	9	26520	205_11:01:17
205_11:01:17	0	DFMS	Mode	262	0	0	2880	205_11:49:17

205_11:49:17	0	DFMS	Mode	220	0	0	1194	205_12:09:11
205_12:09:11	0	DFMS	Mode	260	0	1	1728	205_12:37:59
205_12:38:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	205_12:38:10
205_12:38:10	0	DFMS	Mode	1	0	0	120	205_12:40:10
MWNV 24.07.2015 12:42:09 - 24.07.2015 13:52:09								
205_13:52:09	1	DFMS	Mode	222	0	3	11040	205_16:56:09
205_16:56:09	0	DFMS	Mode	562	0	0	1900	205_17:27:49
205_17:27:49	0	DFMS	Mode	564	0	0	1900	205_17:59:29
205_17:59:29	0	DFMS	Mode	522	0	20	3108	205_18:51:17
205_18:51:17	0	DFMS	Mode	522	0	11	1776	205_19:20:53
205_19:20:53	0	DFMS	Mode	562	0	0	1900	205_19:52:33
205_19:52:33	0	DFMS	Mode	564	0	0	1900	205_20:24:13
205_20:24:13	0	DFMS	Mode	502	0	0	1280	205_20:45:33
205_20:45:33	0	DFMS	Mode	562	0	0	1900	205_21:17:13
205_21:17:13	0	DFMS	Mode	564	0	0	1900	205_21:48:53
205_21:48:53	0	DFMS	Mode	564	0	0	1900	205_22:20:33
205_22:20:33	0	DFMS	Mode	522	0	19	2960	205_23:09:53
205_23:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	205_23:10:10
205_23:10:10	0	DFMS	Mode	1	0	0	120	205_23:12:10
205_23:12:10 0 DFMS Flight sequence ARNF100B 0 0 20 205_23:12:30								
205_23:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	205_23:14:35
205_23:14:35	0	COPS	Flight sequence	ARNF016B	0	0	60	205_23:15:35
205_23:15:35	0	COPS	Flight sequence	ARNF011A	0	0	210	205_23:19:05
MOCM 24.07.2015 23:25:00 - 25.07.2015 05:55:00								
206_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	206_05:57:00
206_05:57:00	0	COPS	Mode	322	1	0	60	206_05:58:00
206_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	206_06:00:00
206_06:00:00 0 DFMS Flight sequence ARNF100A 0 0 20 206_06:00:20								
206_06:00:20	0	DFMS	Mode	215	0	3	4056	206_07:07:56
206_06:30:00	1	COPS	Flight sequence	ARNF016A	0	0	60	206_06:31:00
206_07:07:56	0	DFMS	Mode	245	0	2	3600	206_08:07:56
206_08:07:56	0	DFMS	Mode	215	0	4	4320	206_09:19:56



Slew +Z
18°/
Measure
during this
periode
mainly m44 -
150/ Before
and after
M522 to get
an idea how
main species
change
during slew.

**Non
operational
heaters on**

**Non
operational
heaters off**

**COPS science
ON**

206_09:23:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	206_09:23:10
206_09:23:10	0	DFMS	Mode	1	0	0	120	206_09:25:10
MWNV 25.07.2015 09:28:09 - 25.07.2015 10:38:09								
206_10:38:09	1	DFMS	Mode	222	0	9	26520	206_18:00:09
206_18:00:09	0	DFMS	Mode	262	0	0	2880	206_18:48:09
206_18:48:09	0	DFMS	Mode	220	0	0	1194	206_19:08:03
206_19:08:03	0	DFMS	Mode	260	0	0	864	206_19:22:27
206_19:26:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	206_19:26:10
206_19:26:10	0	DFMS	Mode	1	0	0	120	206_19:28:10
MWNV 25.07.2015 19:31:19 - 25.07.2015 20:41:19								
206_20:41:19	1	DFMS	Mode	222	0	11	31680	207_05:29:19
207_05:29:19	0	DFMS	Flight sequence	ARNS081B	0	0	10	207_05:29:29
207_05:29:29	0	DFMS	Mode	1	0	0	120	207_05:31:29
MWNV 26.07.2015 05:34:28 - 26.07.2015 06:44:28								
207_06:44:28	1	COPS	Mode	322	1	0	60	207_06:45:28
207_06:46:00	1	DFMS	Mode	222	0	0	3300	207_07:41:00
207_07:41:00	0	DFMS	Mode	322	0	1	17400	207_12:31:00
207_12:31:00	0	DFMS	Mode	222	0	3	10320	207_15:23:00
207_15:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	207_15:32:10
207_15:32:10	0	DFMS	Mode	1	0	0	120	207_15:34:10
MWNV 26.07.2015 15:37:38 - 26.07.2015 16:47:38								
207_16:47:38	1	DFMS	Mode	222	0	11	31680	208_01:35:38
208_01:35:38	0	DFMS	Flight sequence	ARNS081B	0	0	10	208_01:35:48
208_01:35:48	0	DFMS	Mode	1	0	0	120	208_01:37:48
MWNV 27.07.2015 01:40:47 - 27.07.2015 02:50:47								
208_02:50:47	1	DFMS	Mode	222	0	9	26520	208_10:12:47
208_10:12:47	0	DFMS	Mode	262	0	0	2880	208_11:00:47
208_11:00:47	0	DFMS	Mode	220	0	0	1194	208_11:20:41
208_11:20:41	0	DFMS	Mode	260	0	0	864	208_11:35:05
208_11:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	208_11:37:10
208_11:37:10	0	DFMS	Mode	1	0	0	120	208_11:39:10
MWNV 27.07.2015 11:43:57 - 27.07.2015 12:53:57								
208_12:53:57	1	COPS	Mode	322	1	0	60	208_12:54:57
208_12:55:00	1	DFMS	Mode	222	0	11	31680	208_21:43:00
208_21:43:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	208_21:43:10

M222 &
M322/3

208_21:43:10	0	DFMS	Mode	1	0	0	120	208_21:45:10
MWNV 27.07.2015 21:47:06 - 27.07.2015 22:57:06								
208_22:57:06	1	DFMS	Mode	222	0	4	13620	209_02:44:06
209_02:44:06	0	DFMS	Mode	532	0	2	15636	209_07:04:42
209_07:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	209_07:45:10
209_07:45:10	0	DFMS	Mode	1	0	0	120	209_07:47:10
MWNV 28.07.2015 07:50:16- 28.07.2015 09:00:16								
209_09:00:00	1	DFMS	Mode	222	0	11	31680	209_17:48:00
209_17:48:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	209_17:48:10
209_17:48:10	0	DFMS	Mode	1	0	0	120	209_17:50:10
MWNV 28.07.2015 17:53:25 - 28.07.2015 19:03:25								
209_19:03:25	1	DFMS	Mode	564	0	3	8150	209_21:19:15
209_21:19:15	0	DFMS	Sequence	64	0	2	6660	209_23:10:15
209_23:10:15	0	DFMS	Flight sequence	ARNS081B	0	0	10	209_23:10:25
209_23:10:25	0	DFMS	Mode	1	0	0	120	209_23:12:25
209_23:12:25	0	DFMS	Flight sequence	ARNF100B	0	0	20	209_23:12:45
209_23:12:45	0	DFMS	Flight sequence	ARNF014B	0	0	125	209_23:14:50
209_23:14:50	0	COPS	Flight sequence	ARNF016B	0	0	60	209_23:15:50
209_23:15:50	0	COPS	Flight sequence	ARNF011A	0	0	210	209_23:19:20
MOCM 28.07.2015 23:25:00- 29.07.2015 23:55:00								

Non
operational
heaters on

STP067

Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 28/07/2015 23:25:00 - 29/07/2015 05:55:00								
210_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	210_05:57:00
210_05:57:00	0	COPS	Mode	322	1	0	60	210_05:58:00
210_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	210_06:00:00
210_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	210_06:00:20
210_06:00:20	0	DFMS	Mode	215	0	3	4326	210_07:12:26

Non
operational
heater off

210_06:40:00	1	COPS	Flight sequence	ARNF016A	0	0	60	210_06:41:00	COPS Science ON
210_07:12:26	0	DFMS	Mode	245	0	5	7200	210_09:12:26	
210_09:12:26	0	DFMS	Mode	215	0	0	864	210_09:26:50	
210_09:34:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	210_09:34:10	
210_09:34:10	0	DFMS	Mode	1	0	0	120	210_09:36:10	
210_09:43:51	1	RTOF	Flight sequence	ARNF004A	0	0	120	210_09:45:51	
210_09:45:51	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	210_09:46:51	

MWNV 29/07/2015 09:37:51 - 29/07/2015 10:47:51

210_09:46:51	0	RTOF	Mode	51	5	0	3660	210_10:47:51
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210_10:45:51	1	RTOF	Set default voltages according to table below	-	-	-	-	-	-	-
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PLANNED

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
ACTUALLY COMMANDED										

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715

210_10:47:51	0	RTOF	Mode	521	15	0	4280	210_11:59:11
210_10:48:51	1	DFMS	Mode	245	0	20	25800	210_17:58:51

210_12:01:11	1	RTOF	Change voltages temporarily according to table below							
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PLANNED

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-24	-8	-107	-54.8	-342	-1710	-180	-180	-210	-430	-1665
ACTUALLY COMMANDED										

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-24	-8	-107	-54.8	-342	-1710	-180	-180	-210	-430	-1665

210_12:03:11	1	RTOF	Mode	181	2	0	740	210_12:15:31
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210_12:17:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-120	-120	-210	-430	-1665	
210_13:03:11	1	RTOF	Mode	181	2	0	680	210_13:14:31			
210_13:17:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-150	-150				
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-150	-150				
210_13:18:11	1	RTOF	Mode	181	2	0	680	210_13:29:31			
210_13:32:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-165	-165				
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-165	-165				
210_13:33:11	1	RTOF	Mode	181	2	0	680	210_13:44:31			

210_13:47:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-180	-180				
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-180	-180				
210_13:48:11	1	RTOF	Mode	181	2	0	680	210_13:59:31			
210_14:02:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-195	-195				
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-195	-195				
210_14:03:11	1	RTOF	Mode	181	2	0	680	210_14:14:31			
210_14:17:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-120	-120				
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-24	-8	-107	-54.8	-342	-1710	-120	-120				
210_14:18:11	1	RTOF	Mode	181	2	0	680	210_14:29:31			

210_14:32:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-45	-3.5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-45	-3.5	-107	-54.8	-342	-1710					
210_14:33:11	1	RTOF	Mode	181	2	0	680	210_14:44:31		
210_14:47:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-45	-6	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-45	-6	-107	-54.8	-342	-1710					
210_14:48:11	1	RTOF	Mode	181	2	0	680	210_14:59:31		
210_15:02:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	-6	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	-6	-107	-54.8	-342	-1710					
210_15:03:11	1	RTOF	Mode	181	2	0	680	210_15:14:31		

210_15:17:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	-3.5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	-3.5	-107	-54.8	-342	-1710					
210_15:18:11	1	RTOF	Mode	181	2	0	680	210_15:29:31		
210_15:32:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	0	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-42.5	0	-107	-54.8	-342	-1710					
210_15:33:11	1	RTOF	Mode	181	2	0	680	210_15:44:31		
210_15:47:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-107	-54.8	-342	-1710					
210_15:48:11	1	RTOF	Mode	181	2	0	680	210_15:59:31		

210_16:02:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	-3.5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	-3.5	-107	-54.8	-342	-1710					
210_16:03:11	1	RTOF	Mode	181	2	0	680	210_16:14:31		
210_16:17:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	2.5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	2.5	-107	-54.8	-342	-1710					
210_16:18:11	1	RTOF	Mode	181	2	0	680	210_16:29:31		
210_16:32:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37.5	2.5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37.5	2.5	-107	-54.8	-342	-1710					
210_16:33:11	1	RTOF	Mode	181	2	0	680	210_16:44:31		

210_16:47:11 1 RTOF Change voltages temporarily according to table below											
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.5	0	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.5	0	-107	-54.8	-342	-1710						
210_16:48:11	1	RTOF	Mode	181	2	0	680	210_16:59:31			
210_17:02:11 1 RTOF Change voltages temporarily according to table below											
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.5	5	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.5	5	-107	-54.8	-342	-1710						
210_17:03:11	1	RTOF	Mode	181	2	0	680	210_17:14:31			
210_17:17:11 1 RTOF Change voltages temporarily according to table below											
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	5	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	5	-107	-54.8	-342	-1710						
210_17:18:11	1	RTOF	Mode	181	2	0	680	210_17:29:31			

Change voltages temporarily according to table below											
210_17:32:11	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	2.5	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	2.5	-107	-54.8	-342	-1710						
210_17:33:11	1	RTOF	Mode	181	2	0	680	210_17:44:31			
Change voltages temporarily according to table below											
210_17:47:11	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	7.5	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-35	7.5	-107	-54.8	-342	-1710						
210_17:48:11	1	RTOF	Mode	181	2	0	680	210_17:59:31			
210_17:58:51	0	DFMS	Mode	245	0	4	6000	210_19:38:51			
Change voltages temporarily according to table below											
210_18:02:11	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-32.5	7.5	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-32.5	7.5	-107	-54.8	-342	-1710						
210_18:03:11	1	RTOF	Mode	181	2	0	680	210_18:14:31			

210_18:17:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-32.5	5	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-32.5	5	-107	-54.8	-342	-1710					
210_18:18:11	1	RTOF	Mode	181	2	0	680	210_18:29:31		
210_18:32:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-80	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-80	-54.8	-342	-1710					
210_18:33:11	1	RTOF	Mode	181	2	0	680	210_18:44:31		
210_18:47:11 1 RTOF Change voltages temporarily according to table below										
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-100	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-100	-54.8	-342	-1710					
210_18:48:11	1	RTOF	Mode	181	2	0	680	210_18:59:31		

210_19:02:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-110	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-110	-54.8	-342	-1710						
210_19:03:11	1	RTOF	Mode	181	2	0	680	210_19:14:31			
210_19:17:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-120	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-120	-54.8	-342	-1710						
210_19:18:11	1	RTOF	Mode	181	2	0	680	210_19:29:31			
210_19:32:11			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-130	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-130	-54.8	-342	-1710						
210_19:33:11	1	RTOF	Mode	181	2	0	680	210_19:44:31			
210_19:46:33	1	RTOF	Flight sequence	ARNS081C	0	0	10	210_19:46:43			
210_19:46:43	0	RTOF	Mode	1	0	0	240	210_19:50:43			
210_19:47:33	1	DFMS	Flight sequence	ARNS081B	0	0	10	210_19:47:43			

210_19:47:43	0	DFMS	Mode	1	0	0	120	210_19:49:43		
MWNV 29/07/2015 19:50:43 - 29/07/2015 21:00:43										
210_19:59:43	1	RTOF	Mode	51	5	0	3660	210_21:00:43		
Set default voltages according to table below										
210_20:59:43	1	RTOF								
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-54.8	-342	-1710	-120	-120	-210	-430	-1665
210_21:00:43	0	RTOF	Mode	521	15	0	4280	210_22:12:03		
210_21:01:43	1	COPS	Mode	322	1	0	60	210_21:02:43		
210_21:02:43	1	DFMS	Mode	222	0	10	29100	211_05:07:43		
Change voltages temporarily according to table below										
210_22:15:03	1	RTOF								
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-375	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-54.8	-375	-1710					
210_22:16:03	1	RTOF	Mode	181	2	0	740	210_22:28:23		
Change voltages temporarily according to table below										
210_22:30:03	1	RTOF								
PLANNED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825					
ACTUALLY COMMANDED										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS

-40	0	-90	-54.8	-376.5	-1710						
210_22:31:03	1	RTOF	Mode	181	2	0	680	210_22:42:23			
Change voltages temporarily according to table below											
210_22:45:03	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-378	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-378	-1710						
210_22:46:03	1	RTOF	Mode	181	2	0	680	210_22:57:23			
Change voltages temporarily according to table below											
210_23:00:03	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-380	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-380	-1710						
210_23:01:03	1	RTOF	Mode	181	2	0	680	210_23:12:23			
Change voltages temporarily according to table below											
210_23:15:03	1	RTOF									
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-382	-1710						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-382	-1825						
210_23:16:03	1	RTOF	Mode	181	2	0	680	210_23:27:23			

210_23:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-384	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-384	-1710						
210_23:31:03	1	RTOF	Mode	181	2	0	680	210_23:42:23			
210_23:45:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-386	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-386	-1710						
210_23:46:03	1	RTOF	Mode	181	2	0	680	210_23:57:23			
211_00:00:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-388	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-388	-1710						
211_00:01:03	1	RTOF	Mode	181	2	0	680	211_00:12:23			

211_00:15:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-390	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-390	-1710						
211_00:16:03	1	RTOF	Mode	181	2	0	680	211_00:27:23			
211_00:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1710						
211_00:31:03	1	RTOF	Mode	181	2	0	680	211_00:42:23			
211_00:45:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1810						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1810						
211_00:46:03	1	RTOF	Mode	181	2	0	680	211_00:57:23			

211_01:00:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1795						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1795						
211_01:01:03			1	RTOF	Mode	181	2	0	680	211_01:12:23	
211_01:15:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1780						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1780						
211_01:16:03			1	RTOF	Mode	181	2	0	680	211_01:27:23	
211_01:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1765						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1765						
211_01:31:03			1	RTOF	Mode	181	2	0	680	211_01:42:23	

211_01:45:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1750						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1750						
211_01:46:03			1	RTOF	Mode	181	2	0	680	211_01:57:23	
211_02:00:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1735						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1735						
211_02:01:03			1	RTOF	Mode	181	2	0	680	211_02:12:23	
211_02:15:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1720						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1720						
211_02:16:03			1	RTOF	Mode	181	2	0	680	211_02:27:23	

211_02:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1705						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.8	-376.5	-1705						
211_02:31:03	1	RTOF	Mode	181	2	0	680	211_02:42:23			
211_02:45:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-48.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-48.7	-376.5	-1825						
211_02:46:03	1	RTOF	Mode	181	2	0	680	211_02:57:23			
211_03:00:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-49.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-49.7	-376.5	-1825						
211_03:01:03	1	RTOF	Mode	181	2	0	680	211_03:12:23			

211_03:15:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-50.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-50.7	-376.5	-1825						
211_03:16:03	1	RTOF	Mode	181	2	0	680	211_03:27:23			
211_03:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-51.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-51.7	-376.5	-1825						
211_03:31:03	1	RTOF	Mode	181	2	0	680	211_03:42:23			
211_03:45:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-52.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-52.7	-376.5	-1825						
211_03:46:03	1	RTOF	Mode	181	2	0	680	211_03:57:23			

211_04:00:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825						
211_04:01:03			1	RTOF	Mode	181	2	0	680	211_04:12:23	
211_04:15:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-54.7	-376.5	-1825						
211_04:16:03			1	RTOF	Mode	181	2	0	680	211_04:27:23	
211_04:30:03			1	RTOF	Change voltages temporarily according to table below						
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-55.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-55.7	-376.5	-1825						
211_05:15:03			1	RTOF	Change voltages temporarily according to table below						

PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-58.7	-376.5	-1825						
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-58.7	-376.5	-1825						
211_05:16:03	1	RTOF	Mode	181	2	0	680	211_05:27:23			
211_05:27:37	0	DFMS	Mode	260	0	0	864	211_05:42:01			
211_05:30:03	1	RTOF	Set default voltages according to table on the right								
PLANNED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
ACTUALLY COMMANDED											
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-430	-1665	
211_05:31:03	1	RTOF	Mode	521	6	0	1520	211_05:56:23			
211_05:57:24	1	RTOF	Flight sequence	ARN5081C	0	0	10	211_05:57:34			
211_05:57:34	0	RTOF	Mode	1	0	0	240	211_06:01:34			
211_06:00:24	1	DFMS	Flight sequence	ARN5081B	0	0	10	211_06:00:34			
211_06:00:34	0	DFMS	Mode	1	0	0	120	211_06:02:34			
211_06:01:34	0	RTOF	Flight sequence	ARNF014A	0	0	120	211_06:03:34			
MWNV 30/07/2015 06:03:34 - 30/07/2015 07:13:34											
211_07:13:00	1	DFMS	Mode	222	0	9	26520	211_14:35:00			
211_14:35:00	0	DFMS	Mode	262	0	1	5760	211_16:11:00			
211_16:13:00	1	DFMS	Flight sequence	ARN5081B	0	0	10	211_16:13:10			
211_16:13:10	0	DFMS	Mode	1	0	0	120	211_16:15:10			
MWNV 30/07/2015 16:16 - 30/07/2015 17:26											
211_17:26:00	1	COPS	Mode	322	1	0	60	211_17:27:00			
211_17:27:00	1	DFMS	Mode	222	0	9	26520	212_00:49:00			
212_00:49:00	0	DFMS	Mode	562	0	0	1900	212_01:20:40			
212_01:20:40	0	DFMS	Mode	564	0	0	1900	212_01:52:20			
212_02:26:00	1	DFMS	Flight sequence	ARN5081B	0	0	10	212_02:26:10			

212_02:26:10	0	DFMS	Mode	1	0	0	120	212_02:28:10	
MWNV 31/07/2015 02:29 - 31/07/2015 03:39									
212_03:39:00	1	DFMS	Mode	222	0	9	26520	212_11:01:00	
212_11:01:00	0	DFMS	Mode	220	0	2	3582	212_12:00:42	
212_12:00:42	0	DFMS	Mode	260	0	1	1728	212_12:29:30	
212_12:39:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	212_12:39:10	
212_12:39:10	0	DFMS	Mode	1	0	0	120	212_12:41:10	
MWNV 31/07/2015 12:42 - 31/07/2015 13:52									
212_13:52:00	1	COPS	Mode	322	1	0	60	212_13:53:00	
212_13:53:00	1	DFMS	Mode	222	0	9	26520	212_21:15:00	
212_21:15:00	0	DFMS	Mode	262	0	1	5760	212_22:51:00	
212_22:51:00	0	DFMS	Mode	220	0	0	1194	212_23:10:54	
212_23:10:54	0	DFMS	Flight sequence	ARNS081B	0	0	10	212_23:11:04	
212_23:11:04	0	DFMS	Mode	1	0	0	120	212_23:13:04	
Non operational heater ON									
212_23:13:04	0	DFMS	Flight sequence	ARNF100B	0	0	20	212_23:13:24	
212_23:13:24	0	DFMS	Flight sequence	ARNF014B	0	0	125	212_23:15:29	
212_23:15:29	0	COPS	Flight sequence	ARNF016B	0	0	60	212_23:16:29	
212_23:16:29	0	COPS	Flight sequence	ARNF011A	0	0	210	212_23:19:59	
MOCM 31/07/2015 23:25 - 01/08/2015 05:55									
213_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	213_05:57:00	
213_05:57:00	0	COPS	Mode	322	1	0	60	213_05:58:00	
213_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	213_06:00:00	
Non operational heater OFF									
213_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	213_06:00:20	
213_06:00:20	0	DFMS	Mode	215	0	2	3192	213_06:53:32	
COPS Science ON									
213_06:37:00	1	COPS	Flight sequence	ARNF016A	0	0	60	213_06:38:00	
213_06:53:32	0	DFMS	Mode	245	0	6	8400	213_09:13:32	
213_09:25:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	213_09:25:10	
213_09:25:10	0	DFMS	Mode	1	0	0	120	213_09:27:10	
MWNV 01/08/2015 09:28 - 01/08/2015 10:38									
213_10:38:00	1	COPS	Mode	322	1	0	60	213_10:39:00	

213_10:39:00	1	DFMS	Mode	215	0	2	3192	213_11:32:12
213_11:32:12	0	DFMS	Mode	245	0	20	25200	213_18:32:12
213_18:32:12	0	DFMS	Mode	215	0	2	2592	213_19:15:24
213_19:28:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	213_19:28:10
213_19:28:10	0	DFMS	Mode	1	0	0	120	213_19:30:10
MWNV 01/08/2015 19:31 - 01/08/2015 20:41								
213_20:41:00	1	DFMS	Mode	222	0	9	26520	214_04:03:00
214_04:03:00	0	DFMS	Mode	564	0	0	1900	214_04:34:40
214_04:34:40	0	DFMS	Mode	262	0	0	2880	214_05:22:40
214_05:31:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	214_05:31:10
214_05:31:10	0	DFMS	Mode	1	0	0	120	214_05:33:10
MWNV 02/08/2015 05:34 - 02/08/2015 06:44								
214_06:44:00	1	COPS	Mode	322	1	0	60	214_06:45:00
214_06:45:00	1	DFMS	Mode	222	0	9	26520	214_14:07:00
214_14:07:00	0	DFMS	Mode	220	0	1	2388	214_14:46:48
214_14:46:48	0	DFMS	Mode	260	0	1	1728	214_15:15:36
214_15:34:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	214_15:34:10
214_15:34:10	0	DFMS	Mode	1	0	0	120	214_15:36:10
MWNV 02/08/2015 15:37 - 02/08/2015 16:47								
214_16:47:00	1	DFMS	Mode	222	0	9	26520	215_00:09:00
215_00:09:00	0	DFMS	Mode	564	0	1	3800	215_01:12:20
215_01:12:20	0	DFMS	Mode	220	0	0	1194	215_01:32:14
215_01:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	215_01:37:10
215_01:37:10	0	DFMS	Mode	1	0	0	120	215_01:39:10
MWNV 03/08/2015 01:40 - 03/08/2015 02:50								
215_02:50:00	1	DFMS	Mode	222	0	8	23940	215_09:29:00
215_09:29:00	0	DFMS	Mode	562	0	0	1900	215_10:00:40
215_10:00:40	0	DFMS	Mode	564	0	0	1900	215_10:32:20
215_10:32:20	0	DFMS	Mode	562	0	0	1900	215_11:04:00
215_11:04:00	0	DFMS	Mode	564	0	0	1900	215_11:35:40
215_11:40:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	215_11:40:10
215_11:40:10	0	DFMS	Mode	1	0	0	120	215_11:42:10
MWNV 03/08/2015 11:43 - 03/08/2015 12:53								
215_12:53:00	1	DFMS	Mode	522	0	20	3718	215_13:54:58

slew + z 70°

215_13:54:58	0	DFMS	Mode	522	0	20	3108	215_14:46:46
215_14:46:46	0	DFMS	Mode	522	0	5	888	215_15:01:34
215_15:01:34	0	DFMS	Mode	562	0	0	1900	215_15:33:14
215_15:33:14	0	DFMS	Mode	564	0	0	1900	215_16:04:54
215_16:04:54	0	DFMS	Mode	522	0	7	1184	215_16:24:38
215_16:24:38	0	DFMS	Mode	222	0	0	2580	215_17:07:38
215_17:07:38	0	DFMS	Mode	564	0	0	1900	215_17:39:18
215_17:39:18	0	DFMS	Mode	222	0	0	2580	215_18:22:18
215_18:22:18	0	DFMS	Mode	564	0	0	1900	215_18:53:58
215_18:53:58	0	DFMS	Mode	222	0	2	7740	215_21:02:58
215_21:44:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	215_21:44:10
215_21:44:10	0	DFMS	Mode	1	0	0	120	215_21:46:10
MWNV 03/08/2015 21:47 - 03/08/2015 22:57								
215_22:57:00	1	COPS	Mode	322	1	0	60	215_22:58:00
215_22:58:00	1	DFMS	Mode	222	0	9	26520	216_06:20:00
216_06:20:00	0	DFMS	Mode	262	0	0	2880	216_07:08:00
216_07:08:00	0	DFMS	Mode	220	0	0	1194	216_07:27:54
216_07:47:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	216_07:47:10
216_07:47:10	0	DFMS	Mode	1	0	0	120	216_07:49:10
MWNV 04/08/2015 07:50 - 04/08/2015 09:00								
216_09:00:00	1	DFMS	Mode	222	0	9	26520	216_16:22:00
216_16:22:00	0	DFMS	Mode	220	0	1	2388	216_17:01:48
216_17:01:48	0	DFMS	Mode	260	0	1	1728	216_17:30:36
216_17:50:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	216_17:50:10
216_17:50:10	0	DFMS	Mode	1	0	0	120	216_17:52:10
MWNV 04/08/2015 17:53 - 04/08/2015 19:03								
216_19:03:00	1	COPS	Mode	322	1	0	60	216_19:04:00
216_19:04:00	1	DFMS	Mode	222	0	3	11040	216_22:08:00
216_22:08:00	0	DFMS	Mode	564	0	1	3800	216_23:11:20
216_23:11:20	0	DFMS	Flight sequence	ARNS081B	0	0	10	216_23:11:30
216_23:11:30	0	DFMS	Mode	1	0	0	120	216_23:13:30

Measurement of m100-150 (M564) during the stable stage (70°);
Measurement of m80-100 in between the instable stable stage (<70°-70°);
Measurement of M522 during the instable stage (increase or decrease of the angle)

Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time	Non operational heater ON
216_23:13:30	0	DFMS	Flight sequence	ARNF100B	0	0	20	216_23:13:50	
216_23:13:50	0	DFMS	Flight sequence	ARNF014B	0	0	125	216_23:15:55	
216_23:20:00	1	COPS	Flight sequence	ARNF016B	0	0	60	216_23:21:00	
216_23:21:00	0	COPS	Flight sequence	ARNF011A	0	0	210	216_23:24:30	
MOCM 04/08/2015 23:25 - 05/08/2015 05:55									

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Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time
MOCM		04/08/2015 23:25	05/08/2015 05:55					
217_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	217_05:57:00
217_05:57:00	0	COPS	Mode	332	1	0	60	217_05:58:00
217_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	217_06:00:00
217_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	217_06:00:20
217_06:00:20	0	DFMS	Mode	215	0	0	1734	217_06:29:14
217_06:25:20	1	COPS	Flight sequence	ARNF016A	0	0	60	217_06:26:20
217_06:29:14	0	DFMS	Mode	245	0	8	10800	217_09:29:14
217_09:29:14	0	DFMS	Flight sequence	ARNS081B	0	0	10	217_09:29:24
217_09:29:24	0	DFMS	Mode	1	0	0	120	217_09:31:24
MWNV		05/08/2015 09:37	05/08/2015 10:47					
217_10:47:00	1	DFMS	Mode	222	0	11	31680	217_19:35:00
217_19:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	217_19:45:10
217_19:45:10	0	DFMS	Mode	1	0	0	120	217_19:47:10
MWNV		05/08/2015 19:50	05/08/2015 21:00					
217_21:00:00	1	DFMS	Mode	222	0	11	31680	218_05:48:00
218_05:58:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	218_05:58:10
218_05:58:10	0	DFMS	Mode	1	0	0	120	218_06:00:10
MWNV		06/08/2015 06:03	06/08/2015 07:13					
218_07:13:00	1	DFMS	Mode	222	0	11	31680	218_16:01:00
218_16:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	218_16:10:10
218_16:10:10	0	DFMS	Mode	1	0	0	120	218_16:12:10

MWNV 06/08/2015 16:16 06/08/2015 17:26									
218_17:26:00	1	DFMS	Mode	222	0	11	31680	219_02:14:00	
219_02:25:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	219_02:25:10	
219_02:25:10	0	DFMS	Mode	1	0	0	120	219_02:27:10	
MWNV 07/08/2015 02:29 07/08/2015 03:39									
219_03:39:00	1	DFMS	Mode	222	0	11	31680	219_12:27:00	
219_12:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	219_12:32:10	
219_12:32:10	0	DFMS	Mode	1	0	0	120	219_12:34:10	
MWNV 07/08/2015 12:42 07/08/2015 13:52									
219_13:52:00	1	DFMS	Mode	222	0	11	31680	219_22:40:00	
219_22:40:00	0	DFMS	Mode	260	0	0	864	219_22:54:24	
219_23:00:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	219_23:00:10	
219_23:00:10	0	DFMS	Mode	1	0	0	120	219_23:02:10	
219_23:02:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	219_23:02:30	
219_23:02:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	219_23:04:35	
219_23:15:35	1	COPS	Flight sequence	ARNF016B	0	0	60	219_23:16:35	
219_23:16:35	0	COPS	Flight sequence	ARNF011A	0	0	210	219_23:20:05	
MOCM 07/08/2015 23:25 08/08/2015 05:55									
220_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	220_05:57:00	
220_05:57:00	0	COPS	Mode	332	1	0	60	220_05:58:00	
220_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	220_06:00:00	
220_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	220_06:00:20	
220_06:00:20	0	DFMS	Mode	215	0	1	2328	220_06:39:08	
220_06:30:20	1	COPS	Flight sequence	ARNF016A	0	0	60	220_06:31:20	
220_06:39:08	0	DFMS	Mode	245	0	7	9600	220_09:19:08	
220_09:19:08	0	DFMS	Flight sequence	ARNS081B	0	0	10	220_09:19:18	
220_09:19:18	0	DFMS	Mode	1	0	0	120	220_09:21:18	
MWNV 08/08/2015 09:28 08/08/2015 10:38									
220_10:38:00	1	DFMS	Mode	222	0	11	31680	220_19:26:00	
220_19:28:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	220_19:28:10	
220_19:28:10	0	DFMS	Mode	1	0	0	120	220_19:30:10	
MWNV 08/08/2015 19:31 08/08/2015 20:41									
220_20:41:00	1	DFMS	Mode	245	0	0	1800	220_21:11:00	
220_21:11:00	0	DFMS	Mode	245	0	11	14400	221_01:11:00	
221_01:11:00	0	DFMS	Mode	245	0	11	14400	221_05:11:00	

221_05:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	221_05:15:10
221_05:15:10	0	DFMS	Mode	1	0	0	120	221_05:17:10
MWNV 09/08/2015 05:34 09/08/2015 06:44								
221_06:44:00	1	DFMS	Mode	245	0	20	25800	221_13:54:00
221_13:54:00	0	DFMS	Mode	215	0	5	5184	221_15:20:24
221_15:30:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	221_15:30:10
221_15:30:10	0	DFMS	Mode	1	0	0	120	221_15:32:10
MWNV 09/08/2015 15:37 09/08/2015 16:47								
221_16:47:00	1	DFMS	Mode	222	0	11	31680	222_01:35:00
222_01:35:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	222_01:35:10
222_01:35:10	0	DFMS	Mode	1	0	0	120	222_01:37:10
MWNV 10/08/2015 01:40 10/08/2015 02:50								
222_02:50:00	1	DFMS	Mode	222	0	11	31680	222_11:38:00
222_11:38:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	222_11:38:10
222_11:38:10	0	DFMS	Mode	1	0	0	120	222_11:40:10
MWNV 10/08/2015 11:43 10/08/2015 12:53								
222_12:53:00	1	DFMS	Mode	222	0	11	31680	222_21:41:00
222_21:41:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	222_21:41:10
222_21:41:10	0	DFMS	Mode	1	0	0	120	222_21:43:10
MWNV 10/08/2015 21:47 10/08/2015 22:57								
222_22:57:00	1	DFMS	Mode	245	0	20	25800	223_06:07:00
223_06:07:00	0	DFMS	Mode	215	0	5	5184	223_07:33:24
223_07:40:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	223_07:40:10
223_07:40:10	0	DFMS	Mode	1	0	0	120	223_07:42:10
MWNV 11/08/2015 07:50 11/08/2015 09:00								
223_09:00:00	1	DFMS	Mode	222	0	11	31680	223_17:48:00
223_17:48:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	223_17:48:10
223_17:48:10	0	DFMS	Mode	1	0	0	120	223_17:50:10
MWNV 11/08/2015 17:53 11/08/2015 19:03								
223_19:03:00	1	DFMS	Mode	262	0	4	15120	223_23:15:00
223_23:15:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	223_23:15:10
223_23:15:10	0	DFMS	Mode	1	0	0	120	223_23:17:10
223_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	223_23:17:30
223_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	223_23:19:35
223_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	223_23:20:35

223_23:20:35 0 COPS Flight sequence ARNF011A 0 0 210 223_23:24:05
 MOCM 11/08/2015 23:25 12/08/2015 05:55

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Start time	Set Time	Instrument	Mode/Sequence	Mode/Sequence number	Cycle number	Repetition	Duration [s]	Stop time		
MOCM 11/08/2015 23:25:00 - 12/08/2015 05:55:00										
224_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	224_05:57:00		
224_05:57:00	0	COPS	Mode	332	1	0	60	224_05:58:00		
224_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	224_06:00:00		
224_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	224_06:00:20	Non operational heater off	
224_06:30:00	1	COPS	Flight sequence	ARNF016A	0	0	60	224_06:31:00	COPS Science ON	
224_06:31:00	0	DFMS	Mode	222	0	2	9360	224_09:07:00		
224_09:07:00	0	DFMS	Mode	502	0	0	1280	224_09:28:20		
224_09:32:51	1	DFMS	Flight sequence	ARNS081B	0	0	10	224_09:33:01		
224_09:33:01	0	DFMS	Mode	1	0	0	120	224_09:35:01		
MWNV 12/08/2015 09:37:51 - 12/08/2015 10:47:51										
224_09:43:01	1	RTOF	Flight sequence	ARNF004A	0	0	120	224_09:45:01		
224_09:45:01	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	224_09:46:01		
224_09:46:01	0	RTOF	Mode	51	5	0	3710	224_10:47:51		
Set default voltages according to table below										
224_10:45:51	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
224_10:47:51	0	RTOF	Mode	521	15	0	4280	224_11:59:11		
224_10:48:51	1	DFMS	Mode	222	0	11	31680	224_19:36:51		

224_12:01:11	1		RTOF	Change voltages temporarily according to table below									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS		
-24.0	-8.0	-107.0		-54.8	-342.0	-1710.0	-180.0	-180.0	-210.0	-430.0	-1665.0		
224_12:03:11	1		RTOF	Mode	181	2	0	740	224_12:15:31				
224_12:16:11	1		RTOF	Change voltages temporarily according to table below									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS		
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0		
224_12:18:11	1		RTOF	Mode	181	2	0	680	224_12:29:31				
224_12:32:11	1		RTOF	Change voltages temporarily according to table below									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS		
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-105.0	-105.0					
224_12:33:11	1		RTOF	Mode	181	2	0	680	224_12:44:31				
224_12:47:11	1		RTOF	Change voltages temporarily according to table below									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS		
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-120.0	-120.0					
224_12:48:11	1		RTOF	Mode	181	2	0	680	224_12:59:31				
224_13:02:11	1		RTOF	Change voltages temporarily according to table below									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS		
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-135.0	-135.0					
224_13:03:11	1		RTOF	Mode	181	2	0	680	224_13:14:31				

224_13:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-150.0	-150.0			
224_13:18:11	1		RTOF	Mode	181	2	0	680	224_13:29:31		
224_13:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-165.0	-165.0			
224_13:33:11	1		RTOF	Mode	181	2	0	680	224_13:44:31		
224_13:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-180.0	-180.0			
224_13:48:11	1		RTOF	Mode	181	2	0	680	224_13:59:31		
224_14:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-195.0	-195.0			
224_14:03:11	1		RTOF	Mode	181	2	0	680	224_14:14:31		
224_14:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0	-120.0	-120.0			
224_14:18:11	1		RTOF	Mode	181	2	0	680	224_14:29:31		

224_14:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-45.0	-3.5	-90.0	-53.7	-376.5	-1825.0						
224_14:33:11	1		RTOF	Mode	181	2	0	680	224_14:44:31		
224_14:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-45.0	-6.0	-90.0	-53.7	-376.5	-1825.0						
224_14:48:11	1		RTOF	Mode	181	2	0	680	224_14:59:31		
224_15:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-42.5	-6.0	-90.0	-53.7	-376.5	-1825.0						
224_15:03:11	1		RTOF	Mode	181	2	0	680	224_15:14:31		
224_15:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-42.5	-3.5	-90.0	-53.7	-376.5	-1825.0						
224_15:18:11	1		RTOF	Mode	181	2	0	680	224_15:29:31		
224_15:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-42.5	0.0	-90.0	-53.7	-376.5	-1825.0						
224_15:33:11	1		RTOF	Mode	181	2	0	680	224_15:44:31		

224_15:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0					
224_15:48:11	1		RTOF	Mode	181	2	0	680	224_15:59:31		
224_16:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	-3.5	-90.0		-53.7	-376.5	-1825.0					
224_16:03:11	1		RTOF	Mode	181	2	0	680	224_16:14:31		
224_16:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	2.5	-90.0		-53.7	-376.5	-1825.0					
224_16:18:11	1		RTOF	Mode	181	2	0	680	224_16:29:31		
224_16:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37.5	2.5	-90.0		-53.7	-376.5	-1825.0					
224_16:33:11	1		RTOF	Mode	181	2	0	680	224_16:44:31		
224_16:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37.5	0.0	-90.0		-53.7	-376.5	-1825.0					
224_16:48:11	1		RTOF	Mode	181	2	0	680	224_16:59:31		

224_17:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37.5	5.0	-90.0		-53.7	-376.5	-1825.0					
224_17:03:11	1		RTOF	Mode	181	2	0	680	224_17:14:31		
224_17:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-35.0	5.0	-90.0		-53.7	-376.5	-1825.0					
224_17:18:11	1		RTOF	Mode	181	2	0	680	224_17:29:31		
224_17:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-35.0	2.5	-90.0		-53.7	-376.5	-1825.0					
224_17:33:11	1		RTOF	Mode	181	2	0	680	224_17:44:31		
224_17:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-35.0	7.5	-90.0		-53.7	-376.5	-1825.0					
224_17:48:11	1		RTOF	Mode	181	2	0	680	224_17:59:31		
224_18:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-32.5	7.5	-90.0		-53.7	-376.5	-1825.0					
224_18:03:11	1		RTOF	Mode	181	2	0	680	224_18:14:31		

224_18:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-32.5	5.0	-90.0		-53.7	-376.5	-1825.0					
224_18:18:11	1		RTOF	Mode	181	2	0	680	224_18:29:31		
224_18:32:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-80.0		-53.7	-376.5	-1825.0					
224_18:33:11	1		RTOF	Mode	181	2	0	680	224_18:44:31		
224_18:47:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-100.0		-53.7	-376.5	-1825.0					
224_18:48:11	1		RTOF	Mode	181	2	0	680	224_18:59:31		
224_19:02:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-110.0		-53.7	-376.5	-1825.0					
224_19:03:11	1		RTOF	Mode	181	2	0	680	224_19:14:31		
224_19:17:11	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-120.0		-53.7	-376.5	-1825.0					
224_19:18:11	1		RTOF	Mode	181	2	0	680	224_19:29:31		

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-378.0	-1825.0					
224_22:46:03	1	RTOF	Mode	181	2	0	680	224_22:57:23		
224_23:00:03	1	RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-380.0	-1825.0					
224_23:01:03	1	RTOF	Mode	181	2	0	680	224_23:12:23		
224_23:15:03	1	RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-382.0	-1825.0					
224_23:16:03	1	RTOF	Mode	181	2	0	680	224_23:27:23		
224_23:30:03	1	RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-384.0	-1825.0					
224_23:31:03	1	RTOF	Mode	181	2	0	680	224_23:42:23		
224_23:45:03	1	RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-386.0	-1825.0					
224_23:46:03	1	RTOF	Mode	181	2	0	680	224_23:57:23		
225_00:00:03	1	RTOF	Change voltages temporarily according to table below							
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-388.0	-1825.0					

225_00:01:03	1	RTOF	Mode	181	2	0	680	225_00:12:23			
Change voltages temporarily according to table below											
225_00:15:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-390.0	-1825.0						
225_00:16:03	1	RTOF	Mode	181	2	0	680	225_00:27:23			
Change voltages temporarily according to table below											
225_00:30:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0						
225_00:31:03	1	RTOF	Mode	181	2	0	680	225_00:42:23			
Change voltages temporarily according to table below											
225_00:45:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1810.0						
225_00:46:03	1	RTOF	Mode	181	2	0	680	225_00:57:23			
Change voltages temporarily according to table below											
225_01:00:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1795.0						
225_01:01:03	1	RTOF	Mode	181	2	0	680	225_01:12:23			
Change voltages temporarily according to table below											
225_01:15:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1780.0						
225_01:16:03	1	RTOF	Mode	181	2	0	680	225_01:27:23			

225_01:30:03	1		RTOF	Change voltages temporarily according to table below								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0		-53.7	-376.5	-1765.0						
225_01:31:03	1		RTOF	Mode	181	2	0	680	225_01:42:23			
225_01:45:03	1		RTOF	Change voltages temporarily according to table below								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0		-53.7	-376.5	-1750.0						
225_01:46:03	1		RTOF	Mode	181	2	0	680	225_01:57:23			
225_02:00:03	1		RTOF	Change voltages temporarily according to table below								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0		-53.7	-376.5	-1735.0						
225_02:01:03	1		RTOF	Mode	181	2	0	680	225_02:12:23			
225_02:15:03	1		RTOF	Change voltages temporarily according to table below								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0		-53.7	-376.5	-1720.0						
225_02:16:03	1		RTOF	Mode	181	2	0	680	225_02:27:23			
225_02:30:03	1		RTOF	Change voltages temporarily according to table below								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0		-53.7	-376.5	-1705.0						
225_02:31:03	1		RTOF	Mode	181	2	0	680	225_02:42:23			

225_02:45:03	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-48.7	-376.5	-1825.0					
225_02:46:03	1		RTOF	Mode	181	2	0	680	225_02:57:23		
225_03:00:03	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-49.7	-376.5	-1825.0					
225_03:01:03	1		RTOF	Mode	181	2	0	680	225_03:12:23		
225_03:15:03	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-50.7	-376.5	-1825.0					
225_03:16:03	1		RTOF	Mode	181	2	0	680	225_03:27:23		
225_03:30:03	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-51.7	-376.5	-1825.0					
225_03:31:03	1		RTOF	Mode	181	2	0	680	225_03:42:23		
225_03:45:03	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-52.7	-376.5	-1825.0					
225_03:46:03	1		RTOF	Mode	181	2	0	680	225_03:57:23		

Change voltages temporarily according to table below											
225_04:00:03	1		RTOF								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-53.7	-376.5	-1825.0					
225_04:01:03	1		RTOF	Mode	181	2	0	680	225_04:12:23		
Change voltages temporarily according to table below											
225_04:15:03	1		RTOF								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-54.7	-376.5	-1825.0					
225_04:16:03	1		RTOF	Mode	181	2	0	680	225_04:27:23		
Change voltages temporarily according to table below											
225_04:30:03	1		RTOF								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-55.7	-376.5	-1825.0					
225_04:31:03	1		RTOF	Mode	181	2	0	680	225_04:42:23		
Change voltages temporarily according to table below											
225_04:45:03	1		RTOF								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-56.7	-376.5	-1825.0					
225_04:46:03	1		RTOF	Mode	181	2	0	680	225_04:57:23		
Change voltages temporarily according to table below											
225_05:00:03	1		RTOF								
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0		-57.7	-376.5	-1825.0					
225_05:01:03	1		RTOF	Mode	181	2	0	680	225_05:12:23		

Change voltages temporarily according to table below											
225_05:15:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-58.7	-376.5	-1825.0						
225_05:16:03	1	RTOF	Mode	181	2	0	680	225_05:27:23			
Set default voltages according to table below											
225_05:30:03	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
225_05:31:03	1	RTOF	Mode	521	6	0	1520	225_05:56:23			
225_05:58:34	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	225_06:02:34			
225_06:02:34	0	RTOF	Flight sequence	ARNF014A	0	0	120	225_06:04:34			
MWNV 13/08/2015 06:03:34 - 13/08/2015 07:13:34											
225_07:13:34	1	DFMS	Mode	222	0	11	31680	225_16:01:34			
225_16:11:26	1	DFMS	Flight sequence	ARNS081B	0	0	10	225_16:11:36			
225_16:11:36	0	DFMS	Mode	1	0	0	120	225_16:13:36			
MWNV 13/08/2015 16:16:26 - 13/08/2015 17:26:26											
225_17:26:26	1	DFMS	Mode	222	0	11	31680	226_02:14:26			
225_17:27:26	1	COPS	Mode	332	1	0	60	225_17:28:26			
226_02:24:17	1	DFMS	Flight sequence	ARNS081B	0	0	10	226_02:24:27			
226_02:24:27	0	DFMS	Mode	1	0	0	120	226_02:26:27			
MWNV 14/08/2015 02:29:17 - 14/08/2015 03:39:17											
226_03:39:17	1	DFMS	Mode	222	0	11	31680	226_12:27:17			
226_12:37:09	1	DFMS	Flight sequence	ARNS081B	0	0	10	226_12:37:19			
226_12:37:19	0	DFMS	Mode	1	0	0	120	226_12:39:19			
MWNV 14/08/2015 12:42:09 - 14/08/2015 13:52:09											
226_13:52:09	1	DFMS	Mode	222	0	11	31680	226_22:40:09			
226_13:53:09	1	COPS	Mode	332	1	0	60	226_13:54:09			
226_22:40:09	0	DFMS	Mode	502	0	0	1280	226_23:01:29			
226_23:12:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	226_23:12:10			
226_23:12:10	0	DFMS	Mode	1	0	0	120	226_23:14:10			

226_23:14:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	226_23:14:30	Non operational heater ON
226_23:14:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	226_23:16:35	
226_23:16:35	0	COPS	Flight sequence	ARNF016B	0	0	60	226_23:17:35	
226_23:17:35	0	COPS	Flight sequence	ARNF011A	0	0	210	226_23:21:05	
MOCM 14/08/2015 23:25:00 - 15/08/2015 05:55:00									
227_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	227_05:57:00	
227_05:57:00	0	COPS	Mode	332	1	0	60	227_05:58:00	
227_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	227_06:00:00	
MOCM 15/08/2015 06:00:00 - 15/08/2015 06:00:00									
227_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	227_06:00:20	Non operational heater OFF
227_06:00:20	0	DFMS	Mode	222	0	3	11040	227_09:04:20	
MOCM 15/08/2015 09:04:20 - 15/08/2015 09:04:20									
227_06:27:00	1	COPS	Flight sequence	ARNF016A	0	0	60	227_06:28:00	COPS Science ON
227_09:04:20	0	DFMS	Mode	502	0	0	1280	227_09:25:40	
227_09:25:50	1	DFMS	Flight sequence	ARNS081B	0	0	10	227_09:26:00	
227_09:26:00	0	DFMS	Mode	1	0	0	120	227_09:28:00	
MWNV 15/08/2015 09:28:09 - 15/08/2015 10:38:09									
227_10:38:09	1	DFMS	Mode	222	0	11	31680	227_19:26:09	
227_19:26:19	1	DFMS	Flight sequence	ARNS081B	0	0	10	227_19:26:29	
227_19:26:29	0	DFMS	Mode	1	0	0	120	227_19:28:29	
MWNV 15/08/2015 19:31:19 - 15/08/2015 20:41:19									
227_20:41:19	1	COPS	Mode	332	1	0	60	227_20:42:19	
227_20:42:19	1	DFMS	Mode	222	0	11	31680	228_05:30:19	
228_05:31:19	1	DFMS	Flight sequence	ARNS081B	0	0	10	228_05:31:29	
228_05:31:29	0	DFMS	Mode	1	0	0	120	228_05:33:29	
MWNV 16/08/2015 05:34:28 - 16/08/2015 06:44:28									
228_06:44:28	1	DFMS	Mode	222	0	11	31680	228_15:32:28	
228_15:33:28	1	DFMS	Flight sequence	ARNS081B	0	0	10	228_15:33:38	
228_15:33:38	0	DFMS	Mode	1	0	0	120	228_15:35:38	
MWNV 16/08/2015 15:37:38 - 16/08/2015 16:47:38									
228_16:47:38	1	COPS	Mode	332	1	0	60	228_16:48:38	

228_16:48:38	1	DFMS	Mode	222	0	11	31680	229_01:36:38
229_01:37:38	1	DFMS	Flight sequence	ARNS081B	0	0	10	229_01:37:48
229_01:37:48	0	DFMS	Mode	1	0	0	120	229_01:39:48
MWNV 17/08/2015 01:40:47 - 17/08/2015 02:50:47								
229_02:50:47	1	DFMS	Mode	222	0	11	31680	229_11:38:47
229_11:39:47	1	DFMS	Flight sequence	ARNS081B	0	0	10	229_11:39:57
229_11:39:57	0	DFMS	Mode	1	0	0	120	229_11:41:57
MWNV 17/08/2015 11:43:57 - 17/08/2015 12:53:57								
229_12:53:57	1	COPS	Mode	332	1	0	60	229_12:54:57
229_12:54:57	1	DFMS	Mode	222	0	11	31680	229_21:42:57
229_21:43:57	1	DFMS	Flight sequence	ARNS081B	0	0	10	229_21:44:07
229_21:44:07	0	DFMS	Mode	1	0	0	120	229_21:46:07
MWNV 17/08/2015 21:47:06 - 17/08/2015 22:57:06								
229_22:57:06	1	DFMS	Mode	222	0	11	31680	230_07:45:06
230_07:46:16	1	DFMS	Flight sequence	ARNS081B	0	0	10	230_07:46:26
230_07:46:26	0	DFMS	Mode	1	0	0	120	230_07:48:26
MWNV 18/08/2015 07:50:16 - 18/08/2015 09:00:16								
230_09:00:16	1	COPS	Mode	332	1	0	60	230_09:01:16
230_09:01:16	1	DFMS	Mode	222	0	11	31680	230_17:49:16
230_17:50:16	1	DFMS	Flight sequence	ARNS081B	0	0	10	230_17:50:26
230_17:50:26	0	DFMS	Mode	1	0	0	120	230_17:52:26
MWNV 18/08/2015 17:53:25 - 18/08/2015 19:03:25								
230_19:03:25	1	DFMS	Mode	222	0	4	13620	230_22:50:25
230_22:50:25	0	DFMS	Mode	502	0	0	1280	230_23:11:45
230_23:12:45	1	DFMS	Flight sequence	ARNS081B	0	0	10	230_23:12:55
230_23:12:55	0	DFMS	Mode	1	0	0	120	230_23:14:55
230_23:14:55	0	DFMS	Flight sequence	ARNF100B	0	0	20	230_23:15:15
230_23:15:15	0	DFMS	Flight sequence	ARNF014B	0	0	125	230_23:17:20
230_23:17:20	0	COPS	Flight sequence	ARNF016B	0	0	60	230_23:18:20
230_23:18:20	0	COPS	Flight sequence	ARNF011A	0	0	210	230_23:21:50
MOCM 18/08/2015 23:25:00 - 19/08/2015 05:55:00								

Non
operational
heater ON

STP070

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 18/08/2015 23:25:00 - 19/08/2015 05:55:00								
231_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	231_05:57:00
231_05:57:00	0	COPS	Mode	332	1	0	60	231_05:58:00
231_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	231_06:00:00
231_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	231_06:00:20
Non operational heater off								
231_06:00:20	0	DFMS	Mode	215	0	1	2598	231_06:43:38
231_06:30:00	1	COPS	Flight sequence	ARNF016A	0	0	60	231_06:31:00
231_06:43:38	0	DFMS	Mode	245	0	0	1200	231_07:03:38
231_07:03:38	0	DFMS	Mode	215	0	1	1728	231_07:32:26
231_07:32:26	0	DFMS	Mode	245	0	0	1200	231_07:52:26
231_07:52:26	0	DFMS	Mode	215	0	1	1728	231_08:21:14
231_08:21:14	0	DFMS	Mode	245	0	0	1200	231_08:41:14
231_08:41:14	0	DFMS	Mode	215	0	1	1728	231_09:10:02
231_09:10:02	0	DFMS	Mode	245	0	0	1200	231_09:30:02
231_09:32:41	1	DFMS	Flight sequence	ARNS081B	0	0	10	231_09:32:51
231_09:32:51	0	DFMS	Mode	1	0	0	120	231_09:34:51
MWNV 19/08/2015 09:37:51 - 19/08/2015 10:47:51								
231_10:47:51	1	DFMS	Mode	222	0	11	31680	231_19:35:51
231_19:45:33	1	DFMS	Flight sequence	ARNS081B	0	0	10	231_19:45:43
231_19:45:43	0	DFMS	Mode	1	0	0	120	231_19:47:43
MWNV 19/08/2015 19:50:43 - 19/08/2015 21:00:43								
231_21:00:43	1	DFMS	Mode	222	0	4	13620	232_00:47:43
232_00:47:43	0	DFMS	Mode	562	0	0	1900	232_01:19:23
232_01:19:23	0	DFMS	Mode	564	0	0	1900	232_01:51:03
232_01:51:03	0	DFMS	Mode	222	0	4	12900	232_05:26:03
232_05:26:03	0	DFMS	Mode	502	0	0	1280	232_05:47:23
232_05:58:24	1	DFMS	Flight sequence	ARNS081B	0	0	10	232_05:58:34
232_05:58:34	0	DFMS	Mode	1	0	0	120	232_06:00:34
MWNV 20/08/2015 06:03:34 - 20/08/2015 07:13:34								
232_07:13:34	1	DFMS	Mode	222	0	5	16200	232_11:43:34

"Background measurements" for next block (= for the slew)

232_11:43:34	0	DFMS	Mode	502	0	0	1280	232_12:04:54	Slew 0° to +70° Sun +Z panel
232_12:04:54	0	DFMS	Mode	522	0	0	148	232_12:07:22	
232_12:07:22	0	DFMS	Mode	502	0	0	1280	232_12:28:42	
232_12:28:42	0	DFMS	Mode	562	0	0	1900	232_13:00:22	
232_13:00:22	0	DFMS	Mode	564	0	0	1900	232_13:32:02	
232_13:32:02	0	DFMS	Mode	522	0	10	1628	232_13:59:10	
232_13:59:10	0	DFMS	Mode	222	0	2	7740	232_16:08:10	
232_16:11:16	1	DFMS	Flight sequence	ARNS081B	0	0	10	232_16:11:26	
232_16:11:26	0	DFMS	Mode	1	0	0	120	232_16:13:26	
MWNV 20/08/2015 16:16:26 - 20/08/2015 17:26:26									
232_17:26:26	1	DFMS	Mode	222	0	11	31680	233_02:14:26	
233_02:24:07	1	DFMS	Flight sequence	ARNS081B	0	0	10	233_02:24:17	
233_02:24:17	0	DFMS	Mode	1	0	0	120	233_02:26:17	
MWNV 21/08/2015 02:29:17 - 21/08/2015 03:39:17									
233_03:39:17	1	DFMS	Mode	222	0	11	31680	233_12:27:17	
233_12:36:59	1	DFMS	Flight sequence	ARNS081B	0	0	10	233_12:37:09	
233_12:37:09	0	DFMS	Mode	1	0	0	120	233_12:39:09	
MWNV 21/08/2015 12:42:09 - 21/08/2015 13:52:09									
233_13:52:09	1	DFMS	Mode	222	0	11	31680	233_22:40:09	
233_22:40:09	0	DFMS	Mode	502	0	0	1280	233_23:01:29	
233_23:09:50	1	DFMS	Flight sequence	ARNS081B	0	0	10	233_23:10:00	
233_23:10:00	0	DFMS	Mode	1	0	0	120	233_23:12:00	
Non operational heater on									
233_23:12:00	0	DFMS	Flight sequence	ARNF100B	0	0	20	233_23:12:20	
233_23:12:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	233_23:14:25	
233_23:14:25	0	COPS	Flight sequence	ARNF016B	0	0	60	233_23:15:25	
233_23:15:25	0	COPS	Flight sequence	ARNF011A	0	0	210	233_23:18:55	
MOCM 21/08/2015 23:25:00 - 22/08/2015 05:55:00									
234_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	234_05:57:00	
234_05:57:00	0	COPS	Mode	396	1	0	60	234_05:58:00	
234_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	234_06:00:00	
Non operational heater off									
234_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	234_06:00:20	
234_06:00:20	0	DFMS	Mode	215	0	1	2328	234_06:39:08	
234_06:39:08	0	DFMS	Mode	245	0	0	1200	234_06:59:08	

234_06:59:08	0	DFMS	Mode	215	0	1	1728	234_07:27:56
234_07:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	234_07:01:00
234_07:27:56	0	DFMS	Mode	245	0	0	1200	234_07:47:56
234_07:47:56	0	DFMS	Mode	215	0	1	1728	234_08:16:44
234_08:16:44	0	DFMS	Mode	245	0	0	1200	234_08:36:44
234_08:36:44	0	DFMS	Mode	215	0	1	1728	234_09:05:32
234_09:05:32	0	DFMS	Mode	245	0	0	1200	234_09:25:32
234_09:25:59	1	DFMS	Flight sequence	ARNS081B	0	0	10	234_09:26:09
234_09:26:09	0	DFMS	Mode	1	0	0	120	234_09:28:09
MWNV 22/08/2015 09:28:09 - 22/08/2015 10:38:09								
234_10:38:09	1	DFMS	Mode	222	0	11	31680	234_19:26:09
234_19:27:09	1	DFMS	Flight sequence	ARNS081B	0	0	10	234_19:27:19
234_19:27:19	0	DFMS	Mode	1	0	0	120	234_19:29:19
MWNV 22/08/2015 19:31:19 - 22/08/2015 20:41:19								
234_19:37:19	1	RTOF	Flight sequence	ARNF004A	0	0	120	234_19:39:19
234_19:39:19	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	234_19:40:19
234_19:40:19	0	RTOF	Mode	51	5	0	3660	234_20:41:19
234_20:41:19	0	RTOF	Mode	521	15	8	31560	235_05:27:19
234_20:42:19	1	DFMS	Mode	522	0	0	758	234_20:54:57
234_20:54:57	0	DFMS	Mode	562	0	0	1900	234_21:26:37
234_21:26:37	0	DFMS	Mode	522	0	0	148	234_21:29:05
234_21:29:05	0	DFMS	Mode	564	0	0	1900	234_22:00:45
234_22:00:45	0	DFMS	Mode	522	0	0	148	234_22:03:13
234_22:03:13	0	DFMS	Mode	562	0	0	1900	234_22:34:53
234_22:34:53	0	DFMS	Mode	522	0	0	148	234_22:37:21
234_22:37:21	0	DFMS	Mode	564	0	0	1900	234_23:09:01
234_23:09:01	0	DFMS	Mode	522	0	0	148	234_23:11:29
234_23:11:29	0	DFMS	Mode	562	0	0	1900	234_23:43:09
234_23:43:09	0	DFMS	Mode	522	0	0	148	234_23:45:37
234_23:45:37	0	DFMS	Mode	564	0	0	1900	235_00:17:17
235_00:17:17	0	DFMS	Mode	522	0	0	148	235_00:19:45
235_00:19:45	0	DFMS	Mode	562	0	0	1900	235_00:51:25
235_00:51:25	0	DFMS	Mode	522	0	0	148	235_00:53:53
235_00:53:53	0	DFMS	Mode	564	0	0	1900	235_01:25:33
235_01:25:33	0	DFMS	Mode	522	0	0	148	235_01:28:01

(M522
+ M562
+ M522
+ M564)
x 7.5

235_01:28:01	0	DFMS	Mode	562	0	0	1900	235_01:59:41
235_01:59:41	0	DFMS	Mode	522	0	0	148	235_02:02:09
235_02:02:09	0	DFMS	Mode	564	0	0	1900	235_02:33:49
235_02:33:49	0	DFMS	Mode	522	0	0	148	235_02:36:17
235_02:36:17	0	DFMS	Mode	562	0	0	1900	235_03:07:57
235_03:07:57	0	DFMS	Mode	522	0	0	148	235_03:10:25
235_03:10:25	0	DFMS	Mode	564	0	0	1900	235_03:42:05
235_03:42:05	0	DFMS	Mode	522	0	0	148	235_03:44:33
235_03:44:33	0	DFMS	Mode	562	0	0	1900	235_04:16:13
235_04:16:13	0	DFMS	Mode	522	0	0	148	235_04:18:41
235_04:18:41	0	DFMS	Mode	564	0	0	1900	235_04:50:21
235_04:50:21	0	DFMS	Mode	522	0	0	148	235_04:52:49
235_04:52:49	0	DFMS	Mode	562	0	0	1900	235_05:24:29
235_05:24:29	0	DFMS	Mode	522	0	0	148	235_05:26:57
235_05:30:28	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	235_05:34:28
MWNV 23/08/2015 05:34:28 - 23/08/2015 06:44:28								
235_05:42:38	1	RTOF	Mode	51	5	0	3710	235_06:44:28
235_06:44:28	0	RTOF	Mode	521	15	8	31560	235_15:30:28
235_06:44:58	1	DFMS	Mode	222	0	11	31680	235_15:32:58
235_15:33:38	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	235_15:37:38
MWNV 23/08/2015 15:37:38 - 23/08/2015 16:47:38								
235_15:45:48	1	RTOF	Mode	51	5	0	3710	235_16:47:38
235_16:47:38	0	RTOF	Mode	521	15	8	31560	236_01:33:38
235_16:48:08	1	DFMS	Mode	222	0	11	31680	236_01:36:08
236_01:36:47	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	236_01:40:47
MWNV 24/08/2015 01:40:47 - 24/08/2015 02:50:47								
236_01:48:57	1	RTOF	Mode	51	5	0	3710	236_02:50:47
236_02:50:47	0	RTOF	Mode	521	15	8	31560	236_11:36:47
236_02:51:17	1	DFMS	Mode	222	0	11	31680	236_11:39:17
236_11:39:57	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	236_11:43:57
MWNV 24/08/2015 11:43:57 - 24/08/2015 12:53:57								
236_11:52:07	1	RTOF	Mode	51	5	0	3710	236_12:53:57
236_12:53:57	0	RTOF	Mode	521	15	8	31560	236_21:39:57
236_12:54:27	1	DFMS	Mode	222	0	11	31680	236_21:42:27
236_21:43:06	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	236_21:47:06

MWNV 24/08/2015 21:47:06 - 24/08/2015 22:57:06									
236_21:55:16	1	RTOF	Mode	51	5	0	3710	236_22:57:06	
236_22:57:06	0	RTOF	Mode	521	15	8	31560	237_07:43:06	
236_22:57:36	1	DFMS	Mode	222	0	11	31680	237_07:45:36	
237_07:46:16	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	237_07:50:16	
MWNV 25/08/2015 07:50:16 - 25/08/2015 09:00:16									
237_07:50:16	0	RTOF	Flight sequence	ARNF014A	0	0	120	237_07:52:16	
237_09:00:16	1	DFMS	Mode	222	0	11	31680	237_17:48:16	
237_17:49:15	1	DFMS	Flight sequence	ARNS081B	0	0	10	237_17:49:25	
237_17:49:25	0	DFMS	Mode	1	0	0	120	237_17:51:25	
MWNV 25/08/2015 17:53:25 - 25/08/2015 19:03:25									
237_19:03:25	1	DFMS	Mode	222	0	4	13620	237_22:50:25	
237_22:50:25	0	DFMS	Mode	502	0	0	1280	237_23:11:45	
237_23:12:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	237_23:12:10	
237_23:12:10	0	DFMS	Mode	1	0	0	120	237_23:14:10	
237_23:14:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	237_23:14:30	Non operational heater on
237_23:14:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	237_23:16:35	
237_23:16:35	0	COPS	Flight sequence	ARNF016B	0	0	60	237_23:17:35	
237_23:17:35	0	COPS	Flight sequence	ARNF011A	0	0	210	237_23:21:05	
MOCM 25/08/2015 23:25:00 - 26/08/2015 05:55:00									

STP071

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	
MOCM 25/08/2015 23:25:00 - 26/08/2015 05:55:00									
238_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	238_05:57:00	
238_05:57:00	0	COPS	Mode	396	1	0	60	238_05:58:00	
238_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	238_06:00:00	
238_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	238_06:00:20	Non operational heater off
238_06:00:20	0	DFMS	Mode	215	0	1	2598	238_06:43:38	
238_06:43:38	0	DFMS	Mode	245	0	0	1200	238_07:03:38	

238_06:55:00	1	COPS	Flight sequence	ARNF016A	0	0	60	238_06:56:00			
238_07:03:38	0	DFMS	Mode	215	0	1	1728	238_07:32:26			
238_07:32:26	0	DFMS	Mode	245	0	0	1200	238_07:52:26			
238_07:52:26	0	DFMS	Mode	215	0	1	1728	238_08:21:14			
238_08:21:14	0	DFMS	Mode	245	0	0	1200	238_08:41:14			
238_08:41:14	0	DFMS	Mode	215	0	1	1728	238_09:10:02			
238_09:10:02	0	DFMS	Mode	245	0	0	1200	238_09:30:02			
238_09:33:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	238_09:33:10			
238_09:33:10	0	DFMS	Mode	1	0	0	120	238_09:35:10			
MWNV 26/08/2015 09:37:51 - 26/08/2015 10:47:51											
238_09:43:51	1	RTOF	Flight sequence	ARNF004A	0	0	120	238_09:45:51			
238_09:45:51	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	238_09:46:51			
238_09:46:51	0	RTOF	Mode	51	5	0	3660	238_10:47:51			
238_09:48:51	1	DFMS	Mode	51	0	0	3600	238_10:48:51			
238_10:47:51	0	RTOF	Mode	521	11	0	3440	238_11:45:11			
238_10:48:51	0	DFMS	Mode	222	0	11	31080	238_19:26:51			
Set default voltages according to table below											
238_11:46:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_11:47:11	1	RTOF	Mode	181	2	0	740	238_11:59:31			
Change voltages temporarily according to table below											
238_12:01:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.0	3.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_12:02:11	1	RTOF	Mode	181	2	0	680	238_12:13:31			
Change voltages temporarily according to table below											
238_12:16:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-34.0	6.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	

238_12:17:11	1	RTOF	Mode	181	2	0	680	238_12:28:31			
Change voltages temporarily according to table below											
238_12:31:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-31.0	9.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_12:32:11	1	RTOF	Mode	181	2	0	680	238_12:43:31			
Change voltages temporarily according to table below											
238_12:46:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-28.0	12.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_12:47:11	1	RTOF	Mode	181	2	0	680	238_12:58:31			
Change voltages temporarily according to table below											
238_13:01:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-25.0	15.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_13:02:11	1	RTOF	Mode	181	2	0	680	238_13:13:31			
Change voltages temporarily according to table below											
238_13:16:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-22.0	18.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_13:17:11	1	RTOF	Mode	181	2	0	680	238_13:28:31			
Change voltages temporarily according to table below											
238_13:31:11	1	RTOF									
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-19.0	21.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_13:32:11	1	RTOF	Mode	181	2	0	680	238_13:43:31			

238_13:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-16.0	24.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_13:47:11	1	RTOF	Mode	181	2	0	680	238_13:58:31			
238_14:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-13.0	27.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_14:02:11	1	RTOF	Mode	181	2	0	680	238_14:13:31			
238_14:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-10.0	30.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_14:17:11	1	RTOF	Mode	181	2	0	680	238_14:28:31			
238_14:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-7.0	33.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_14:32:11	1	RTOF	Mode	181	2	0	680	238_14:43:31			
238_14:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-4.0	36.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_14:47:11	1	RTOF	Mode	181	2	0	680	238_14:58:31			

238_15:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-1.0	39.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_15:02:11	1	RTOF	Mode	181	2	0	680	238_15:13:31			
238_15:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
2.0	42.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_15:17:11	1	RTOF	Mode	181	2	0	680	238_15:28:31			
238_15:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
5.0	45.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_15:32:11	1	RTOF	Mode	181	2	0	680	238_15:43:31			
238_15:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40.0	0.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_15:47:11	1	RTOF	Mode	181	2	0	680	238_15:58:31			
238_16:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37.0	3.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_16:02:11	1	RTOF	Mode	181	2	0	680	238_16:13:31			

238_16:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-34.0	6.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_16:17:11	1	RTOF	Mode	181	2	0	680	238_16:28:31			
238_16:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-31.0	9.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_16:32:11	1	RTOF	Mode	181	2	0	680	238_16:43:31			
238_16:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-28.0	12.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_16:47:11	1	RTOF	Mode	181	2	0	680	238_16:58:31			
238_17:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-25.0	15.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_17:02:11	1	RTOF	Mode	181	2	0	680	238_17:13:31			
238_17:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-22.0	18.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_17:17:11	1	RTOF	Mode	181	2	0	680	238_17:28:31			

238_17:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-19.0	21.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_17:32:11	1	RTOF	Mode	181	2	0	680	238_17:43:31			
238_17:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-16.0	24.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_17:47:11	1	RTOF	Mode	181	2	0	680	238_17:58:31			
238_18:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-13.0	27.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_18:02:11	1	RTOF	Mode	181	2	0	680	238_18:13:31			
238_18:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-10.0	30.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_18:17:11	1	RTOF	Mode	181	2	0	680	238_18:28:31			
238_18:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-7.0	33.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_18:32:11	1	RTOF	Mode	181	2	0	680	238_18:43:31			

238_18:46:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-4.0	36.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_18:47:11	1	RTOF	Mode	181	2	0	680	238_18:58:31			
238_19:01:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-1.0	39.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_19:02:11	1	RTOF	Mode	181	2	0	680	238_19:13:31			
238_19:16:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
2.0	42.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_19:17:11	1	RTOF	Mode	181	2	0	680	238_19:28:31			
238_19:26:51	0	DFMS	Mode	502	0	0	1280	238_19:48:11			
238_19:31:11	1	RTOF	Change voltages temporarily according to table below								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
5.0	45.0	-100.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0	
238_19:32:11	1	RTOF	Mode	181	2	0	680	238_19:43:31			
238_19:46:33	1	RTOF	Flight sequence	ARNS081C	0	0	10	238_19:46:43			
238_19:46:43	0	RTOF	Mode	1	0	0	240	238_19:50:43			
238_19:48:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	238_19:48:40			
238_19:48:40	0	DFMS	Mode	1	0	0	120	238_19:50:40			
MWNV 26/08/2015 19:50:43 - 26/08/2015 21:00:43											
238_19:52:30	0	RTOF	Flight sequence	ARNF014A	0	0	120	239_06:04:34			
238_21:01:43	0	DFMS	Mode	222	0	11	31080	239_05:39:43			

238_21:02:43	1	COPS	Mode	396	1	0	60	238_21:03:43
239_05:39:43	0	DFMS	Mode	502	0	0	1280	239_06:01:03
239_06:01:24	1	DFMS	Flight sequence	ARNS081B	0	0	10	239_06:01:34
239_06:01:34	0	DFMS	Mode	1	0	0	120	239_06:03:34

MWNV 27/08/2015 06:03:34 - 27/08/2015 07:13:34

Set default voltages according to table below

239_07:00:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0

239_07:13:34	0	DFMS	Mode	222	0	11	31080	239_15:51:34
239_15:51:34	0	DFMS	Mode	502	0	0	1280	239_16:12:54
239_16:13:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	239_16:13:40
239_16:13:40	0	DFMS	Mode	1	0	0	120	239_16:15:40

MWNV 27/08/2015 16:16:26 - 27/08/2015 17:26:26

239_17:26:26	1	COPS	Mode	396	1	0	60	239_17:27:26
239_17:27:26	1	DFMS	Sequence	28	0	0	3140	239_18:19:46
239_18:19:46	0	DFMS	Mode	562	0	0	1900	239_18:51:26
239_18:51:26	0	DFMS	Mode	564	0	0	1900	239_19:23:06
239_19:23:06	0	DFMS	Sequence	28	0	0	3140	239_20:15:26
239_20:15:26	0	DFMS	Mode	562	0	0	1900	239_20:47:06
239_20:47:06	0	DFMS	Mode	564	0	0	1900	239_21:18:46
239_21:18:46	0	DFMS	Sequence	28	0	0	3140	239_22:11:06
239_22:11:06	0	DFMS	Mode	562	0	0	1900	239_22:42:46
239_22:42:46	0	DFMS	Mode	564	0	0	1900	239_23:14:26
239_23:14:26	0	DFMS	Sequence	28	0	0	3140	240_00:06:46
240_00:06:46	0	DFMS	Mode	562	0	0	1900	240_00:38:26
240_00:38:26	0	DFMS	Mode	564	0	0	1900	240_01:10:06
240_01:10:06	0	DFMS	Sequence	28	0	0	3140	240_02:02:26
240_02:24:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	240_02:24:10
240_02:24:10	0	DFMS	Mode	1	0	0	120	240_02:26:10

MWNV 28/08/2015 02:29:17 - 28/08/2015 03:39:17

240_03:39:17	0	DFMS	Mode	222	0	11	31080	240_12:17:17
240_12:17:17	0	DFMS	Mode	502	0	0	1280	240_12:38:37

240_12:39:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	240_12:39:10		
240_12:39:10	0	DFMS	Mode	1	0	0	120	240_12:41:10		
MWNV 28/08/2015 12:42:09 - 28/08/2015 13:52:09										
240_13:52:09	0	DFMS	Mode	222	0	11	31080	240_22:30:09		
240_22:30:09	0	DFMS	Mode	222	0	0	2580	240_23:13:09		
240_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	240_23:15:10		
240_23:15:10	0	DFMS	Mode	1	0	0	120	240_23:17:10		
Non operational heater on										
240_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	240_23:17:30		
240_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	240_23:19:35		
240_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	240_23:20:35		
240_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	240_23:24:05		
MOCM 28/08/2015 23:25:00 - 29/08/2015 05:55:00										
241_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	241_05:57:00		
241_05:57:00	0	COPS	Mode	396	1	0	60	241_05:58:00		
241_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	241_06:00:00		
Non operational heater off										
241_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	241_06:00:20		
241_06:00:20	0	DFMS	Mode	215	0	1	2328	241_06:39:08		
241_06:39:08	0	DFMS	Mode	245	0	0	1200	241_06:59:08		
241_06:59:08	0	DFMS	Mode	215	0	1	1728	241_07:27:56		
241_07:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	241_07:01:00		
241_07:27:56	0	DFMS	Mode	245	0	0	1200	241_07:47:56		
241_07:47:56	0	DFMS	Mode	215	0	1	1728	241_08:16:44		
241_08:16:44	0	DFMS	Mode	245	0	0	1200	241_08:36:44		
241_08:36:44	0	DFMS	Mode	215	0	1	1728	241_09:05:32		
241_09:05:32	0	DFMS	Mode	245	0	0	1200	241_09:25:32		
241_09:25:55	1	DFMS	Flight sequence	ARNS081B	0	0	10	241_09:26:05		
241_09:26:05	0	DFMS	Mode	1	0	0	120	241_09:28:05		
MWNV 29/08/2015 09:28:09 - 29/08/2015 10:38:09										
241_09:34:09	1	RTOF	Flight sequence	ARNF004A	0	0	120	241_09:36:09		
241_09:36:09	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	241_09:37:09		
241_09:37:09	0	RTOF	Mode	51	5	0	3660	241_10:38:09		

241_09:39:09	1	DFMS	Mode	51	0	0	3600	241_10:39:09
241_10:38:09	0	RTOF	Mode	521	15	7	28150	241_18:27:19
241_10:39:09	0	DFMS	Mode	222	0	11	31080	241_19:17:09
241_18:27:19	0	RTOF	Mode	521	12	0	2780	241_19:13:39
241_19:13:39	0	RTOF	Mode	181	2	0	740	241_19:25:59
241_19:27:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	241_19:31:00
MWNV 29/08/2015 19:31:19 - 29/08/2015 20:41:19								
241_19:41:19	1	RTOF	Mode	51	5	0	3660	241_20:42:19
241_20:41:19	1	COPS	Mode	396	1	0	60	241_20:42:19
241_20:42:19	0	RTOF	Mode	521	15	8	31560	242_05:28:19
241_20:43:19	0	DFMS	Mode	222	0	11	31080	242_05:21:19
242_05:28:28	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	242_05:32:28
242_05:32:28	0	RTOF	Flight sequence	ARNF014A	0	0	120	242_05:34:28
MWNV 30/08/2015 05:34:28 - 30/08/2015 06:44:28								
242_06:44:28	0	DFMS	Mode	222	0	11	31080	242_15:22:28
242_15:35:28	1	DFMS	Flight sequence	ARNS081B	0	0	10	242_15:35:38
242_15:35:38	0	DFMS	Mode	1	0	0	120	242_15:37:38
MWNV 30/08/2015 15:37:38 - 30/08/2015 16:47:38								
242_16:47:38	1	COPS	Mode	396	1	0	60	242_16:48:38
242_16:48:38	0	DFMS	Mode	222	0	11	31080	243_01:26:38
243_01:37:47	1	DFMS	Flight sequence	ARNS081B	0	0	10	243_01:37:57
243_01:37:57	0	DFMS	Mode	1	0	0	120	243_01:39:57
MWNV 31/08/2015 01:40:47 - 31/08/2015 02:50:47								
243_02:50:47	0	DFMS	Mode	222	0	11	31080	243_11:28:47
243_11:40:57	1	DFMS	Flight sequence	ARNS081B	0	0	10	243_11:41:07
243_11:41:07	0	DFMS	Mode	1	0	0	120	243_11:43:07
MWNV 31/08/2015 11:43:57 - 31/08/2015 12:53:57								
243_12:53:57	0	DFMS	Mode	222	0	11	31080	243_21:31:57
243_12:54:57	1	COPS	Mode	396	1	0	60	243_12:55:57
243_21:44:06	1	DFMS	Flight sequence	ARNS081B	0	0	10	243_21:44:16
243_21:44:16	0	DFMS	Mode	1	0	0	120	243_21:46:16
MWNV 31/08/2015 21:47:06 - 31/08/2015 22:57:06								
243_22:57:06	0	DFMS	Mode	222	0	11	31080	244_07:35:06
244_07:47:16	1	DFMS	Flight sequence	ARNS081B	0	0	10	244_07:47:26
244_07:47:26	0	DFMS	Mode	1	0	0	120	244_07:49:26

MWNV 01/09/2015 07:50:16 - 01/09/2015 09:00:16									
244_09:00:16	1	COPS	Mode	396	1	0	60	244_09:01:16	
244_09:01:16	0	DFMS	Mode	222	0	11	31080	244_17:39:16	
244_17:50:25	1	DFMS	Flight sequence	ARNS081B	0	0	10	244_17:50:35	
244_17:50:35	0	DFMS	Mode	1	0	0	120	244_17:52:35	
MWNV 01/09/2015 17:53:25 - 01/09/2015 19:03:25									
244_19:03:25	0	DFMS	Mode	222	0	4	13020	244_22:40:25	
244_22:40:25	0	DFMS	Mode	502	0	0	1280	244_23:01:45	
244_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	244_23:15:10	
244_23:15:10	0	DFMS	Mode	1	0	0	120	244_23:17:10	
244_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	244_23:17:30	Non operational heater on
244_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	244_23:19:35	
244_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	244_23:20:35	
244_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	244_23:24:05	
MOCM 01/09/2015 23:25:00 - 02/09/2015 05:55:00									

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Start time	Set Time	Instrument	Mode/Sequ	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	
MOCM 01.09.2015 23:25:00 - 02.09.2015 05:55:00									
245_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	245_05:57:00	
245_05:57:00	0	COPS	Mode	396	1	0	60	245_05:58:00	
245_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	245_06:00:00	
245_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	245_06:00:20	Non operational heater off
245_06:00:20	0	DFMS	Mode	215	0	1	2598	245_06:43:38	
245_06:43:38	0	DFMS	Mode	245	0	0	1200	245_07:03:38	
245_06:55:00	1	COPS	Flight sequence	ARNF016A	0	0	60	245_06:56:00	
245_07:03:38	0	DFMS	Mode	215	0	1	1728	245_07:32:26	
245_07:32:26	0	DFMS	Mode	245	0	0	1200	245_07:52:26	
245_07:52:26	0	DFMS	Mode	215	0	1	1728	245_08:21:14	

245_08:21:14	0	DFMS	Mode	245	0	0	1200	245_08:41:14
245_08:41:14	0	DFMS	Mode	215	0	1	1728	245_09:10:02
245_09:10:02	0	DFMS	Mode	245	0	0	1200	245_09:30:02
245_09:33:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	245_09:33:10
245_09:33:10	0	DFMS	Mode	1	0	0	120	245_09:35:10

MWNV 02.09.2015 09:37:51 - 02.09.2015 10:47:51

245_09:44:51	1	RTOF	Flight sequence	ARNF004A	0	0	120	245_09:46:51
245_09:46:51	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	245_09:47:51
245_09:47:51	0	RTOF	Mode	51	5	0	3660	245_10:48:51
245_10:47:51	1	DFMS	Mode	222	0	11	31680	245_19:35:51

245_10:48:51	0	RTOF	Mode	521	11	5	16290	245_15:20:21
245_15:28:00	1	RTOF	Flight sequence	ARNS081C	0	0	10	245_15:28:40
245_15:30:00	1	RTOF	Mode	181	2	0	740	245_15:42:20

= added manually in the .itl

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715

245_15:44:00	1	RTOF	Change voltages temporarily according to table below							1
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BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40	0	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715

245_15:45:00	1	RTOF	Mode	181	2	0	680	245_15:56:20		
245_15:59:00	1	RTOF	Change voltages temporarily according to table below							2

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-37	3	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715

245_16:00:00	1	RTOF	Mode	181	2	0	680	245_16:11:20		
245_16:14:00	1	RTOF	Change voltages temporarily according to table below							3

BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-34	6	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_16:15:00	1	RTOF	Mode	181	2	0	680	245_16:26:20		
Change voltages temporarily according to table below										4
245_16:29:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-31	9	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_16:30:00	1	RTOF	Mode	181	2	0	680	245_16:41:20		
Change voltages temporarily according to table below										5
245_16:44:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-28	12	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_17:00:00	1	RTOF	Mode	181	2	0	680	245_17:11:20		
Change voltages temporarily according to table below										7
245_17:14:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22	18	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_17:15:00	1	RTOF	Mode	181	2	0	680	245_17:26:20		
Change voltages temporarily according to table below										8
245_17:29:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-19	21	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_17:30:00	1	RTOF	Mode	181	2	0	680	245_17:41:20		
Change voltages temporarily according to table below										9
245_17:44:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-16	24	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715

245_18:00:00	1	RTOF	Mode	181	2	0	680	245_18:11:20		
Change voltages temporarily according to table below										11
245_18:14:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-10	30	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_18:30:00	1	RTOF	Mode	181	2	0	680	245_18:41:20		
Change voltages temporarily according to table below										13
245_18:44:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-4	36	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_19:00:00	1	RTOF	Mode	181	2	0	680	245_19:11:20		
Change voltages temporarily according to table below										15
245_19:14:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
2	42	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_19:15:00	1	RTOF	Mode	181	2	0	680	245_19:26:20		
Change voltages temporarily according to table below										16
245_19:29:00	1	RTOF								
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
5	45	-110	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
245_19:30:00	1	RTOF	Mode	181	2	0	680	245_19:41:20		
245_19:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	245_19:45:10		
245_19:45:10	0	DFMS	Mode	1	0	0	120	245_19:47:10		
245_19:46:33	1	RTOF	Flight sequence	ARNS081C	0	0	10	245_19:46:43		
245_19:46:43	1	RTOF	Mode	1	0	0	240	245_19:50:43		
MWNV 02.09.2015 19:50:43 - 02.09.2015 21:00:43										
245_19:52:43	1	RTOF	Flight sequence	ARNF014A	0	0	120	245_19:54:43		

Set default voltages according to table on the right											17
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
245_20:00:00	1	RTOF									
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
245_21:00:43	1	COPS	Mode	396	1	0	60	245_21:01:43			
245_21:01:43	1	DFMS	Mode	222	0	10	29100	246_05:06:43			
246_05:06:43	0	DFMS	Mode	564	0	0	1900	246_05:38:23			
246_05:38:23	0	DFMS	Mode	502	0	0	1280	246_05:59:43			
246_06:00:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	246_06:00:10			
246_06:00:10	0	DFMS	Mode	1	0	0	120	246_06:02:10			
MWNV 03.09.2015 06:03:34 - 03.09.2015 07:13:34											
246_06:10:34	1	RTOF	Flight sequence	ARNF004A	0	0	120	246_06:12:34			
246_06:12:34	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	246_06:13:34			
246_06:13:34	0	RTOF	Mode	51	5	0	3660	246_07:14:34			
246_07:13:34	1	DFMS	Mode	222	0	11	31680	246_16:01:34			
246_07:14:34	0	RTOF	Mode	521	11	5	16290	246_11:46:04			
246_11:53:00	1	RTOF	Flight sequence	ARNS081C	0	0	10	246_11:53:40			
246_11:55:00	1	RTOF	Mode	181	2	0	740	246_12:07:20		0	
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
Change voltages temporarily according to table below											
246_12:09:00	1	RTOF								17	
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-40	0	-120	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_12:10:00	1	RTOF	Mode	181	2	0	680	246_12:21:20			
Change voltages temporarily according to table below											
246_12:24:00	1	RTOF								18	
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-37	3	-120	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	

246_12:25:00	1	RTOF	Mode	181	2	0	680	246_12:36:20			
Change voltages temporarily according to table below										19	
246_12:39:00	1	RTOF									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-34	6	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_12:40:00	1	RTOF	Mode	181	2	0	680	246_12:51:20			
Change voltages temporarily according to table below										20	
246_12:54:00	1	RTOF									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-31	9	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_12:55:00	1	RTOF	Mode	181	2	0	680	246_13:06:20			
Change voltages temporarily according to table below										21	
246_13:09:00	1	RTOF									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-28	12	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_13:10:00	1	RTOF	Mode	181	2	0	680	246_13:21:20			
Change voltages temporarily according to table below										22	
246_13:24:00	1	RTOF									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-25	15	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_13:25:00	1	RTOF	Mode	181	2	0	680	246_13:36:20			
Change voltages temporarily according to table below										23	
246_13:39:00	1	RTOF									
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22	18	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_13:40:00	1	RTOF	Mode	181	2	0	680	246_13:51:20			

246_13:54:00	1		RTOF	Change voltages temporarily according to table below								24
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-19	21	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_13:55:00	1		RTOF	Mode	181	2	0	680	246_14:06:20			
246_14:09:00	1		RTOF	Change voltages temporarily according to table below								25
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-16	24	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_14:10:00	1		RTOF	Mode	181	2	0	680	246_14:21:20			
246_14:24:00	1		RTOF	Change voltages temporarily according to table below								26
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-13	27	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_14:25:00	1		RTOF	Mode	181	2	0	680	246_14:36:20			
246_14:39:00	1		RTOF	Change voltages temporarily according to table below								27
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-10	30	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_14:40:00	1		RTOF	Mode	181	2	0	680	246_14:51:20			
246_14:54:00	1		RTOF	Change voltages temporarily according to table below								28
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS	
-7	33	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715	
246_14:55:00	1		RTOF	Mode	181	2	0	680	246_15:06:20			

246_15:09:00	1		RTOF	Change voltages temporarily according to table below							29
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-4	36	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_15:10:00	1		RTOF	Mode	181	2	0	680	246_15:21:20		
246_15:24:00	1		RTOF	Change voltages temporarily according to table below							30
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-1	39	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_15:25:00	1		RTOF	Mode	181	2	0	680	246_15:36:20		
246_15:39:00	1		RTOF	Change voltages temporarily according to table below							31
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
2	42	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_15:40:00	1		RTOF	Mode	181	2	0	680	246_15:51:20		
246_15:54:00	1		RTOF	Change voltages temporarily according to table below							32
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
5	45	-120		-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_15:55:00	1		RTOF	Mode	181	2	0	680	246_16:06:20		
246_16:11:00	1		DFMS	Flight sequence	ARNS081B	0	0	10	246_16:11:10		
246_16:11:10	0		DFMS	Mode	1	0	0	120	246_16:13:10		
246_16:12:16	1		RTOF	Flight sequence	ARNS081C	0	0	10	246_16:12:26		
246_16:12:26	1		RTOF	Mode	1	0	0	240	246_16:16:26		
MWNV 03.09.2015 16:16:26 - 03.09.2015 17:26:26											
246_16:16:26	0		RTOF	Flight sequence	ARNF014A	0	0	120	246_16:18:26		

Set default voltages according to table on the right										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
245_17:00:00	1	RTOF								
-40	0	-90	-53.7	-376.5	-1825	-120	-120	-210	-700	-1715
246_17:26:26	1	COPS	Mode	396	1	0	60	246_17:27:26		
246_17:27:26	1	DFMS	Mode	222	0	10	29100	247_01:32:26		
247_01:32:26	0	DFMS	Mode	564	0	0	1900	247_02:04:06		
247_02:04:06	0	DFMS	Mode	502	0	0	1280	247_02:25:26		
247_02:25:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	247_02:25:40		
247_02:25:40	0	DFMS	Mode	1	0	0	120	247_02:27:40		
MWNV 04.09.2015 02:29:17 - 04.09.2015 03:39:17										
247_03:39:17	1	DFMS	Mode	222	0	11	31680	247_12:27:17		
247_12:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	247_12:37:10		
247_12:37:10	0	DFMS	Mode	1	0	0	120	247_12:39:10		
MWNV 04.09.2015 12:42:09 - 04.09.2015 13:52:09										
247_13:52:09	1	DFMS	Mode	222	0	8	23940	247_20:31:09		
247_20:31:09	0	DFMS	Mode	564	0	0	1900	247_21:02:49		
247_21:02:49	0	DFMS	Mode	562	0	0	1900	247_21:34:29		
247_21:34:29	0	DFMS	Mode	564	0	0	1900	247_22:06:09		
247_22:06:09	0	DFMS	Mode	222	0	0	2580	247_22:49:09		
247_22:49:09	0	DFMS	Mode	502	0	0	1280	247_23:10:29		
247_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	247_23:15:10		
247_23:15:10	0	DFMS	Mode	1	0	0	120	247_23:17:10		
Non operational heater on										
247_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	247_23:17:30		
247_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	247_23:19:35		
247_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	247_23:20:35		
247_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	247_23:24:05		
MOCM 04.09.2015 23:25:00 - 05.09.2015 05:55:00										
248_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	248_05:57:00		

Slew +z panel
26°

248_05:57:00	0	COPS	Mode	332	1	0	60	248_05:58:00	Switch to Nude Gauge only because we are on the winter hemisphere
248_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	248_06:00:00	
248_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	248_06:00:20	Non operational heater off
248_06:00:20	0	DFMS	Mode	215	0	1	2328	248_06:39:08	
248_06:39:08	0	DFMS	Mode	245	0	0	1200	248_06:59:08	
248_07:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	248_07:01:00	
248_07:01:00	0	DFMS	Mode	215	0	1	1728	248_07:29:48	
248_07:29:48	0	DFMS	Mode	245	0	0	1200	248_07:49:48	
248_07:49:48	0	DFMS	Mode	215	0	1	1728	248_08:18:36	
248_08:18:36	0	DFMS	Mode	245	0	0	1200	248_08:38:36	
248_08:38:36	0	DFMS	Mode	215	0	2	2592	248_09:21:48	
248_09:23:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	248_09:23:10	
248_09:23:10	0	DFMS	Mode	1	0	0	120	248_09:25:10	
MWNV 05.09.2015 09:28:09 - 05.09.2015 10:38:09									
248_10:38:09	1	DFMS	Mode	222	0	10	29100	248_18:43:09	
248_18:43:09	0	DFMS	Mode	564	0	0	1900	248_19:14:49	
248_19:25:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	248_19:25:10	
248_19:25:10	0	DFMS	Mode	1	0	0	120	248_19:27:10	
MWNV 05.09.2015 19:31:19 - 05.09.2015 20:41:19									
248_19:37:19	1	RTOF	Flight sequence	ARNF004A	0	0	120	248_19:39:19	
248_19:39:19	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	248_19:40:19	
248_19:40:19	0	RTOF	Mode	51	5	0	3660	248_20:41:19	
248_20:41:19	0	RTOF	Mode	521	15	8	31560	249_05:27:19	
248_20:42:28	1	DFMS	Mode	222	0	11	31680	249_05:30:28	
249_05:30:28	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	249_05:34:28	
MWNV 06.09.2015 05:34:28 - 06.09.2015 06:44:28									
249_06:44:28	1	DFMS	Mode	222	0	10	29100	249_14:49:28	
249_06:45:28	1	COPS	Mode	332	1	0	60	249_06:46:28	

249_06:46:28	1	RTOF	Mode	521	15	7	28200	249_14:36:28
249_14:36:28	0	RTOF	Mode	181	2	0	740	249_14:48:48
249_14:49:28	0	DFMS	Mode	564	0	0	1900	249_15:21:08
249_15:33:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	249_15:37:00
MWNV 06.09.2015 15:37:38 - 06.09.2015 16:47:38								
249_16:47:38	1	RTOF	Mode	521	15	8	31610	250_01:34:28
249_16:48:38	1	DFMS	Mode	222	0	11	31680	250_01:36:38
250_01:36:38	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	250_01:40:38
250_01:40:38	0	RTOF	Flight sequence	ARNF014A	0	0	120	250_01:42:38
MWNV 07.09.2015 01:40:47 - 07.09.2015 02:50:47								
250_02:50:47	1	DFMS	Mode	222	0	10	29100	250_10:55:47
250_02:51:47	1	COPS	Mode	332	1	0	60	250_02:52:47
250_10:55:47	0	DFMS	Mode	564	0	0	1900	250_11:27:27
250_11:38:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	250_11:38:10
250_11:38:10	0	DFMS	Mode	1	0	0	120	250_11:40:10
MWNV 07.09.2015 11:43:57 - 07.09.2015 12:53:57								
250_12:53:57	1	DFMS	Mode	222	0	11	31680	250_21:41:57
250_21:42:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	250_21:42:10
250_21:42:10	0	DFMS	Mode	1	0	0	120	250_21:44:10
MWNV 07.09.2015 21:47:06 - 07.09.2015 22:57:06								
250_22:57:06	1	DFMS	Mode	222	0	10	29100	251_07:02:06
250_22:58:06	1	COPS	Mode	332	1	0	60	250_22:59:06
251_07:02:06	0	DFMS	Mode	564	0	0	1900	251_07:33:46
251_07:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	251_07:45:10
251_07:45:10	0	DFMS	Mode	1	0	0	120	251_07:47:10
MWNV 08.09.2015 07:50:16 - 08.09.2015 09:00:16								
251_09:00:16	1	DFMS	Mode	222	0	11	31680	251_17:48:16
251_17:49:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	251_17:49:10
251_17:49:10	0	DFMS	Mode	1	0	0	120	251_17:51:10
MWNV 08.09.2015 17:53:25 - 09.09.2015 19:03:25								
251_19:03:25	1	DFMS	Mode	222	0	4	13620	251_22:50:25
251_22:50:25	0	DFMS	Mode	502	0	0	1400	251_23:13:45
251_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	251_23:15:10
251_23:15:10	0	DFMS	Mode	1	0	0	120	251_23:17:10

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	Notes
251_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	251_23:17:30	Non operational heater on
251_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	251_23:19:35	
251_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	251_23:20:35	
251_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	251_23:24:05	
MOCM 08.09.2015 23:25:00 - 09.09.2015 05:55:00									

STP073

Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time	Notes
MOCM 08.09.2015 23:25:00 - 09.09.2015 05:55:00									
252_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	252_05:57:00	
252_05:57:00	0	COPS	Mode	332	1	0	60	252_05:58:00	
252_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	252_06:00:00	
252_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	252_06:00:20	Non operational heater off
252_06:00:20	0	DFMS	Mode	505	0	2	2392	252_06:40:12	
252_06:40:12	0	DFMS	Mode	215	0	1	1728	252_07:09:00	
252_06:55:00	1	COPS	Flight sequence	ARNF016A	0	0	60	252_06:56:00	
252_07:09:00	0	DFMS	Mode	245	0	0	1200	252_07:29:00	
252_07:29:00	0	DFMS	Mode	215	0	1	1728	252_07:57:48	
252_07:57:48	0	DFMS	Mode	245	0	0	1200	252_08:17:48	
252_08:17:48	0	DFMS	Mode	215	0	1	1728	252_08:46:36	
252_08:46:36	0	DFMS	Mode	245	0	0	1200	252_09:06:36	
252_09:06:36	0	DFMS	Mode	215	0	0	864	252_09:21:00	
252_09:33:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	252_09:33:10	
252_09:33:10	0	DFMS	Mode	1	0	0	120	252_09:35:10	
MWNV 09.09.2015 09:37:51 - 09.09.2015 10:47:51									
252_10:47:51	1	DFMS	Mode	222	0	11	31680	252_19:35:51	
252_19:46:33	1	DFMS	Flight sequence	ARNS081B	0	0	10	252_19:46:43	
252_19:46:43	0	DFMS	Mode	1	0	0	120	252_19:48:43	
MWNV 09.09.2015 19:50:43 - 09.09.2015 21:00:43									

252_21:00:43	1	DFMS	Mode	222	0	11	31680	253_05:48:43		
253_06:00:24	1	DFMS	Flight sequence	ARNS081B	0	0	10	253_06:00:34		
253_06:00:34	0	DFMS	Mode	1	0	0	120	253_06:02:34		
MWNV 10.09.2015 06:03:34 - 10.09.2015 07:13:34										
253_07:13:34	1	DFMS	Mode	222	0	11	31680	253_16:01:34		
253_16:11:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	253_16:11:10		
253_16:11:10	0	DFMS	Mode	1	0	0	120	253_16:13:10		
MWNV 10.09.2015 16:16:26 - 10.09.2015 17:26:26										
253_17:26:26	1	DFMS	Mode	222	0	11	31680	254_02:14:26		
254_02:25:30	1	DFMS	Flight sequence	ARNS081B	0	0	10	254_02:25:40		
254_02:25:40	0	DFMS	Mode	1	0	0	120	254_02:27:40		
MWNV 11.09.2015 02:29:17 - 11.09.2015 03:39:17										
254_02:35:17	1	RTOF	Flight sequence	ARNF004A	0	0	120	254_02:37:17		
254_02:37:17	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	254_02:38:17		
254_02:38:17	0	RTOF	Mode	51	5	0	3660	254_03:39:17		
254_03:39:17	0	RTOF	Mode	521	6	0	2390	254_04:19:07		
254_03:40:17	1	DFMS	Mode	222	0	11	31680	254_12:28:17		
254_04:23:50	1	RTOF	Flight sequence	ARNS081C	0	0	10	254_04:24:00		
254_04:25:00	1	RTOF	Mode	181	2	0	740	254_04:37:20		
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
Change voltages temporarily according to table below										
254_04:39:00	1	RTOF	Mode	181	2	0	740	254_04:52:20		
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0	-34.9	-244.7	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_04:40:00	1	RTOF	Mode	181	2	0	740	254_04:52:20		
Change voltages temporarily according to table below										
254_04:54:00	1	RTOF	Mode	181	2	0	680	254_05:06:20		
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0	-37.6	-263.6	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_04:55:00	1	RTOF	Mode	181	2	0	680	254_05:06:20		

254_05:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-40.3	-282.4	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_05:10:00	1		RTOF	Mode	181	2	0	680	254_05:21:20		
254_05:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-43.0	-301.2	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_05:25:00	1		RTOF	Mode	181	2	0	680	254_05:36:20		
254_05:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-45.6	-320.0	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_05:40:00	1		RTOF	Mode	181	2	0	680	254_05:51:20		
254_05:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-48.3	-338.9	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_05:55:00	1		RTOF	Mode	181	2	0	680	254_06:06:20		
254_06:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-51.0	-357.7	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_06:10:00	1		RTOF	Mode	181	2	0	680	254_06:21:20		

254_06:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_06:25:00	1		RTOF	Mode	181	2	0	680	254_06:36:20		
254_06:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-56.4	-395.3	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_06:40:00	1		RTOF	Mode	181	2	0	680	254_06:51:20		
254_06:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-59.1	-414.2	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_06:55:00	1		RTOF	Mode	181	2	0	680	254_07:06:20		
254_07:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-61.8	-433.0	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_07:10:00	1		RTOF	Mode	181	2	0	680	254_07:21:20		
254_07:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-64.4	-451.8	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_07:25:00	1		RTOF	Mode	181	2	0	680	254_07:36:20		

254_07:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-67.1	-470.6	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_07:40:00	1		RTOF	Mode	181	2	0	680	254_07:51:20		
254_07:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-69.8	-489.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_07:55:00	1		RTOF	Mode	181	2	0	680	254_08:06:20		
254_08:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-72.5	-508.3	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_08:10:00	1		RTOF	Mode	181	2	0	680	254_08:21:20		
254_08:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-90.0		-75.2	-527.1	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_08:25:00	1		RTOF	Mode	181	2	0	680	254_08:36:20		
254_08:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-34.9	-244.7	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_08:40:00	1		RTOF	Mode	181	2	0	680	254_08:51:20		

254_08:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-37.6	-263.6	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_08:55:00	1		RTOF	Mode	181	2	0	680	254_09:06:20		
254_09:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-40.3	-282.4	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_09:10:00	1		RTOF	Mode	181	2	0	680	254_09:21:20		
254_09:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-43.0	-301.2	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_09:25:00	1		RTOF	Mode	181	2	0	680	254_09:36:20		
254_09:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-45.6	-320.0	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_09:40:00	1		RTOF	Mode	181	2	0	680	254_09:51:20		
254_09:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-48.3	-338.9	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_09:55:00	1		RTOF	Mode	181	2	0	680	254_10:06:20		

254_10:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-51.0	-357.7	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_10:10:00	1		RTOF	Mode	181	2	0	680	254_10:21:20		
254_10:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_10:25:00	1		RTOF	Mode	181	2	0	680	254_10:36:20		
254_10:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-56.4	-395.3	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_10:40:00	1		RTOF	Mode	181	2	0	680	254_10:51:20		
254_10:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-59.1	-414.2	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_10:55:00	1		RTOF	Mode	181	2	0	680	254_11:06:20		
254_11:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-61.8	-433.0	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_11:10:00	1		RTOF	Mode	181	2	0	680	254_11:21:20		

254_11:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-64.4	-451.8	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_11:25:00	1		RTOF	Mode	181	2	0	680	254_11:36:20		
254_11:39:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-67.1	-470.6	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_11:40:00	1		RTOF	Mode	181	2	0	680	254_11:51:20		
254_11:54:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-69.8	-489.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_11:55:00	1		RTOF	Mode	181	2	0	680	254_12:06:20		
254_12:09:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-72.5	-508.3	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_12:10:00	1		RTOF	Mode	181	2	0	680	254_12:21:20		
254_12:24:00	1		RTOF	Change voltages temporarily according to table below							
BP	GR	P		R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
-22.0	18.0	-100.0		-75.2	-527.1	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
254_12:25:00	1		RTOF	Mode	181	2	0	680	254_12:36:20		
254_12:38:09	1		ROSINA	Flight sequence	ZRNP2002	0	0	240	254_12:42:09		
MWNV 11.09.2015 12:42:09 - 11.09.2015 13:52:09											

254_12:42:09	0	RTOF	Flight sequence	ARNF014A	0	0	120	254_12:44:09	
254_13:52:09	1	DFMS	Mode	222	0	2	8460	254_16:13:09	
254_16:13:09	0	DFMS	Mode	502	0	0	1280	254_16:34:29	
254_16:34:29	0	DFMS	Mode	562	0	0	1900	254_17:06:09	
254_17:06:09	0	DFMS	Mode	564	0	0	1900	254_17:37:49	
254_17:37:49	0	DFMS	Mode	222	0	6	18060	254_22:38:49	
254_22:38:49	0	DFMS	Mode	502	0	0	1280	254_23:00:09	
254_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	254_23:15:10	
254_23:15:10	0	DFMS	Mode	1	0	0	120	254_23:17:10	
									Non operational heater on
254_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	254_23:17:30	
254_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	254_23:19:35	
254_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	254_23:20:35	
254_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	254_23:24:05	
MOCM 11.09.2015 23:25:00 - 12.09.2015 05:55:00									
255_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	255_05:57:00	
255_05:57:00	0	COPS	Mode	332	1	0	60	255_05:58:00	
255_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	255_06:00:00	
									Non operational heater off
255_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	255_06:00:20	
255_06:00:20	0	DFMS	Mode	215	0	1	2328	255_06:39:08	
255_06:39:08	0	DFMS	Mode	245	0	0	1200	255_06:59:08	
255_07:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	255_07:01:00	
255_07:01:00	0	DFMS	Mode	215	0	1	1728	255_07:29:48	
255_07:29:48	0	DFMS	Mode	245	0	0	1200	255_07:49:48	
255_07:49:48	0	DFMS	Mode	215	0	1	1728	255_08:18:36	
255_08:18:36	0	DFMS	Mode	245	0	0	1200	255_08:38:36	
255_08:38:36	0	DFMS	Mode	215	0	0	864	255_08:53:00	
255_08:53:00	0	DFMS	Mode	505	0	2	1632	255_09:20:12	
255_09:23:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	255_09:23:10	
255_09:23:10	0	DFMS	Mode	1	0	0	120	255_09:25:10	
MWNV 12.09.2015 09:28:09 - 12.09.2015 10:38:09									

Set default voltages according to table below										
BP	GR	P	R1	R2	RL	RepA	RepB	A1_SS	A2_SS	SL_SS
255_09:26:00	1	RTOF								
-40.0	0.0	-90.0	-53.7	-376.5	-1825.0	-120.0	-120.0	-210.0	-700.0	-1715.0
255_09:28:09	1	RTOF	Flight sequence	ARNF004A	0	0	120	255_09:30:09		
255_09:30:09	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	255_09:31:09		
255_09:31:09	0	RTOF	Mode	53	5	0	3710	255_10:32:59		
255_10:38:09	1	DFMS	Mode	222	0	4	13620	255_14:25:09		
255_10:46:59	1	RTOF	Flight sequence	ARNS081C	0	0	10	255_10:47:09		
255_10:47:09	0	RTOF	Mode	1	0	0	0	255_10:47:09		
255_10:48:09	0	RTOF	Mode	512	12	0	5930	255_12:26:59		
255_12:26:59	0	RTOF	Mode	514	12	0	5380	255_13:56:39		
255_13:56:39	0	RTOF	Mode	520	12	0	5380	255_15:26:19		
255_14:25:09	0	DFMS	Mode	502	0	0	1280	255_14:46:29		
255_14:59:00	1	DFMS	Mode	522	0	11	1776	255_15:28:36		
255_15:26:19	0	RTOF	Mode	512	11	0	4970	255_16:49:09		
255_15:28:36	0	DFMS	Mode	502	0	0	1280	255_15:49:56		
255_15:49:56	0	DFMS	Mode	562	0	0	1900	255_16:21:36		
255_16:21:36	0	DFMS	Mode	564	0	0	1900	255_16:53:16		
255_16:49:09	0	RTOF	Mode	514	10	0	4560	255_18:05:09		
255_16:53:16	0	DFMS	Mode	502	0	0	1280	255_17:14:36		
255_17:14:36	0	DFMS	Mode	562	0	0	1900	255_17:46:16		
255_17:46:16	0	DFMS	Mode	564	0	0	1900	255_18:17:56		
255_18:05:09	0	RTOF	Mode	520	10	0	4560	255_19:21:09		
255_18:17:56	0	DFMS	Mode	502	0	0	1280	255_18:39:16		
255_18:57:00	1	DFMS	Mode	522	0	11	1776	255_19:26:36		
255_19:27:19	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	255_19:31:19		
MWNV 12.09.2015 19:31:19 - 12.09.2015 20:41:19										
255_19:39:29	1	RTOF	Mode	51	5	0	3710	255_20:41:19		
255_20:41:24	0	RTOF	Mode	521	15	4	17920	256_01:40:04		
255_20:42:19	1	DFMS	Mode	222	0	11	31680	256_05:30:19		
255_20:43:19	1	COPS	Mode	332	1	0	60	255_20:44:19		
256_01:40:04	0	RTOF	Mode	526	15	3	13640	256_05:27:24		

256_05:30:28	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	256_05:34:28
MWNV 13.09.2015 05:34:28 - 13.09.2015 06:44:28								
256_05:42:38	1	RTOF	Mode	51	5	0	3710	256_06:44:28
256_06:44:28	0	RTOF	Mode	511	15	4	17720	256_11:39:48
256_06:45:28	1	DFMS	Mode	222	0	11	31680	256_15:33:28
256_11:39:48	0	RTOF	Mode	516	15	3	13640	256_15:27:08
256_15:33:38	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	256_15:37:38
MWNV 13.09.2015 15:37:38 - 13.09.2015 16:47:38								
256_15:37:38	0	RTOF	Flight sequence	ARNF014A	0	0	120	256_15:39:38
256_16:47:38	1	DFMS	Mode	222	0	11	31680	257_01:35:38
256_16:48:38	1	COPS	Mode	332	1	0	60	256_16:49:38
257_01:38:37	1	DFMS	Flight sequence	ARNS081B	0	0	10	257_01:38:47
257_01:38:47	0	DFMS	Mode	1	0	0	120	257_01:40:47
MWNV 14.09.2015 01:40:47 - 14.09.2015 02:50:47								
257_02:50:47	1	DFMS	Mode	222	0	11	31680	257_11:38:47
257_11:41:47	1	DFMS	Flight sequence	ARNS081B	0	0	10	257_11:41:57
257_11:41:57	0	DFMS	Mode	1	0	0	120	257_11:43:57
MWNV 14.09.2015 11:43:57 - 14.09.2015 12:53:57								
257_12:53:57	1	DFMS	Mode	222	0	11	31680	257_21:41:57
257_12:54:57	1	COPS	Mode	332	1	0	60	257_12:55:57
257_21:44:56	1	DFMS	Flight sequence	ARNS081B	0	0	10	257_21:45:06
257_21:45:06	0	DFMS	Mode	1	0	0	120	257_21:47:06
MWNV 14.09.2015 21:47:06 - 14.09.2015 22:57:06								
257_22:57:06	1	DFMS	Mode	222	0	11	31680	258_07:45:06
258_07:48:06	1	DFMS	Flight sequence	ARNS081B	0	0	10	258_07:48:16
258_07:48:16	0	DFMS	Mode	1	0	0	120	258_07:50:16
MWNV 15.09.2015 07:50:16 - 15.09.2015 09:00:16								
258_09:00:16	1	DFMS	Mode	222	0	11	31680	258_17:48:16
258_09:01:16	1	COPS	Mode	332	1	0	60	258_09:02:16
258_17:51:15	1	DFMS	Flight sequence	ARNS081B	0	0	10	258_17:51:25
258_17:51:25	0	DFMS	Mode	1	0	0	120	258_17:53:25
MWNV 15.09.2015 17:53:25 - 15.09.2015 19:03:25								
258_19:03:25	1	DFMS	Mode	222	0	4	13620	258_22:50:25
258_22:50:25	0	DFMS	Mode	502	0	0	1280	258_23:11:45
258_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	258_23:15:10

258_23:15:10	0	DFMS	Mode	1	0	0	120	258_23:17:10	
258_23:17:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	258_23:17:30	Non operational heater on
258_23:17:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	258_23:19:35	
258_23:19:35	0	COPS	Flight sequence	ARNF016B	0	0	60	258_23:20:35	
258_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	258_23:24:05	
MOCM 15.09.2015 23:25:00 - 15.09.2015 05:55:00									

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Start time	Set Time	Instrument	Mode/Sequence	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MTP_020	FDDF.xml	SC	MOCM	15/09/2015 23:25	16/09/2015 05:55			
259_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	259_05:57:00
259_05:57:00	0	COPS	Mode	332	1	0	60	259_05:58:00
259_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	259_06:00:00
259_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	259_06:00:20
259_06:00:20	0	DFMS	Mode	205	0	3	4326	259_07:12:26
259_06:45:20	1	COPS	Flight sequence	ARNF016A	0	0	60	259_06:46:20
259_07:12:26	0	DFMS	Mode	245	0	2	3600	259_08:12:26
259_08:12:26	0	DFMS	Mode	215	0	2	2592	259_08:55:38
259_08:55:38	0	DFMS	Mode	245	0	0	1200	259_09:15:38
259_09:15:38	0	DFMS	Mode	215	0	0	864	259_09:30:02
259_09:30:02	0	DFMS	Flight sequence	ARNS081B	0	0	10	259_09:30:12
259_09:33:12	1	DFMS	Mode	1	0	0	120	259_09:35:12
MTP_020	FDDF.xml	SC	MWNV	16/09/2015 09:37	16/09/2015 10:47			
259_10:47:00	1	DFMS	Mode	222	0	11	31680	259_19:35:00
259_19:45:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	259_19:45:10
259_19:45:10	0	DFMS	Mode	1	0	0	120	259_19:47:10
MTP_020	FDDF.xml	SC	MWNV	16/09/2015 19:50	16/09/2015 21:00			
259_21:00:00	1	DFMS	Mode	220	0	3	5496	259_22:31:36
259_22:31:36	0	DFMS	Mode	222	0	3	10320	260_01:23:36
260_01:23:36	0	DFMS	Mode	260	0	3	3456	260_02:21:12
260_02:21:12	0	DFMS	Mode	220	0	3	4776	260_03:40:48

260_03:40:48	0	DFMS	Mode	262	0	1	5760	260_05:16:48
260_05:16:48	0	DFMS	Mode	222	0	0	2580	260_05:59:48
260_05:59:48	0	DFMS	Flight sequence	ARNS081B	0	0	10	260_05:59:58
260_05:59:58	0	DFMS	Mode	1	0	0	120	260_06:01:58
MTP_020	FDDF.xml	SC	MWNV	17/09/2015 06:03	17/09/2015 07:13			
260_07:13:00	1	DFMS	Mode	222	0	11	31680	260_16:01:00
260_07:14:00	1	RTOF	Flight sequence	ARNF004A	0	0	120	260_07:16:00
260_07:16:00	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	260_07:17:00
260_07:17:00	0	RTOF	Mode	520	11	0	5400	260_08:49:00
260_08:49:00	0	RTOF	Mode	512	11	1	9700	260_11:34:40
260_11:34:40	0	RTOF	Mode	520	11	1	9700	260_14:20:20
260_14:20:20	0	RTOF	Mode	514	6	1	5700	260_15:57:40
260_16:01:00	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	260_16:05:00
MTP_020	FDDF.xml	SC	MWNV	17/09/2015 16:16	17/09/2015 17:26			
260_17:26:00	1	DFMS	Mode	222	0	11	31680	261_02:14:00
260_17:27:00	1	RTOF	Mode	514	11	1	10300	260_20:22:40
260_20:22:40	0	RTOF	Mode	520	11	0	4850	260_21:45:30
260_21:45:30	0	RTOF	Mode	512	10	1	8900	261_00:17:30
261_00:17:30	0	RTOF	Mode	512	7	1	6500	261_02:08:30
261_02:18:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	261_02:22:00
MTP_020	FDDF.xml	SC	MWNV	18/09/2015 02:29	18/09/2015 03:39			
261_02:22:00	0	RTOF	Mode	53	6	0	4310	261_03:33:50
261_03:39:00	1	DFMS	Mode	222	0	11	31680	261_12:27:00
261_03:41:00	1	RTOF	Mode	523	12	10	30020	261_12:25:10
261_12:30:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	261_12:34:00
MTP_020	FDDF.xml	SC	MWNV	18/09/2015 12:42	18/09/2015 13:52			
261_12:34:00	0	RTOF	Mode	53	6	0	4310	261_13:45:50
261_13:45:50	0	RTOF	Mode	523	15	7	26870	261_21:13:40
261_13:52:00	1	DFMS	Mode	222	0	11	31680	261_22:40:00
261_21:35:00	0	RTOF	Mode	183	4	0	1110	261_21:54:20
261_21:54:20	0	RTOF	Mode	523	14	0	3050	261_22:44:20
261_22:50:50	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	261_22:54:50
261_22:54:50	0	DFMS	Flight sequence	ARNF100B	0	0	20	261_22:55:10
261_22:55:10	0	DFMS	Flight sequence	ARNF014B	0	0	125	261_22:57:15
261_22:57:15	0	RTOF	Flight sequence	ARNF014A	0	0	120	261_22:59:15

261_22:59:15	0	COPS	Flight sequence	ARNF016B	0	0	60	261_23:00:15
261_23:00:15	0	COPS	Flight sequence	ARNF011A	0	0	210	261_23:03:45
MTP_020	FDDF.xml	SC	MOCM	18/09/2015 23:25	19/09/2015 05:55	143		
262_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	262_05:57:00
262_05:57:00	0	COPS	Mode	332	1	0	60	262_05:58:00
262_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	262_06:00:00
262_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	262_06:00:20
262_06:00:20	0	DFMS	Mode	215	0	3	4056	262_07:07:56
262_06:40:00	1	COPS	Flight sequence	ARNF016A	0	0	60	262_06:41:00
262_07:07:56	0	DFMS	Mode	505	0	3	2176	262_07:44:12
262_07:44:12	0	DFMS	Mode	515	0	3	1792	262_08:14:04
262_08:14:04	0	DFMS	Mode	515	0	3	1792	262_08:43:56
262_08:43:56	0	DFMS	Mode	245	0	1	2400	262_09:23:56
262_09:23:56	0	DFMS	Flight sequence	ARNS081B	0	0	10	262_09:24:06
262_09:24:06	0	DFMS	Mode	1	0	0	120	262_09:26:06
MTP_020	FDDF.xml	SC	MWNV	19/09/2015 09:28	19/09/2015 10:38			
262_10:38:00	1	DFMS	Mode	222	0	11	31680	262_19:26:00
262_19:29:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	262_19:29:10
262_19:29:10	0	DFMS	Mode	1	0	0	120	262_19:31:10
MTP_020	FDDF.xml	SC	MWNV	19/09/2015 19:31	19/09/2015 20:41			
262_20:41:00	1	DFMS	Mode	222	0	11	31680	263_05:29:00
263_05:29:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	263_05:29:10
263_05:29:10	0	DFMS	Mode	1	0	0	120	263_05:31:10
MTP_020	FDDF.xml	SC	MWNV	20/09/2015 05:34	20/09/2015 06:44			
263_06:44:00	1	DFMS	Mode	222	0	11	31680	263_15:32:00
263_15:32:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	263_15:32:10
263_15:32:10	0	DFMS	Mode	1	0	0	120	263_15:34:10
MTP_020	FDDF.xml	SC	MWNV	20/09/2015 15:37	20/09/2015 16:47			
263_16:47:00	1	DFMS	Mode	222	0	11	31680	264_01:35:00
264_01:35:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	264_01:35:10
264_01:35:10	0	DFMS	Mode	1	0	0	120	264_01:37:10
MTP_020	FDDF.xml	SC	MWNV	21/09/2015 01:40	21/09/2015 02:50			
264_02:50:00	1	DFMS	Mode	222	0	11	31680	264_11:38:00
264_11:38:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	264_11:38:10
264_11:38:10	0	DFMS	Mode	1	0	0	120	264_11:40:10

MTP_020	FDDF.xml	SC	MWNV	21/09/2015 11:43	21/09/2015 12:53			
264_12:53:00	1	DFMS	Mode	222	0	11	31680	264_21:41:00
264_21:41:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	264_21:41:10
264_21:41:10	0	DFMS	Mode	1	0	0	120	264_21:43:10
264_21:42:10	0	RTOF	Flight sequence	ARNF004A	0	0	120	264_21:44:10
264_21:44:10	0	RTOF	Flight sequence	ARNS041A_RTOF	1	0	60	264_21:45:10
MTP_020	FDDF.xml	SC	MWNV	21/09/2015 21:47	21/09/2015 22:57			
264_21:45:10	0	RTOF	Mode	51	6	0	4310	264_22:57:00
264_22:57:00	0	RTOF	Mode	521	5	0	2120	264_23:32:20
264_22:59:00	1	DFMS	Mode	222	0	4	13620	265_02:46:00
264_23:33:20	0	RTOF	Mode	181	7	0	1710	265_00:01:50
265_00:03:10	0	RTOF	Mode	521	7	0	1650	265_00:30:40
265_00:32:00	0	RTOF	Mode	181	7	0	1710	265_01:00:30
265_01:01:50	0	RTOF	Mode	521	15	6	22750	265_07:21:00
265_02:46:00	0	DFMS	Mode	220	0	2	3582	265_03:45:42
265_03:45:42	0	DFMS	Mode	260	0	2	2592	265_04:28:54
265_04:28:54	0	DFMS	Mode	564	0	1	3800	265_05:32:14
265_05:32:14	0	DFMS	Mode	222	0	1	5160	265_06:58:14
265_06:58:14	0	DFMS	Mode	220	0	0	1194	265_07:18:08
265_07:39:40	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	265_07:43:40
MTP_020	FDDF.xml	SC	MWNV	22/09/2015 07:50	22/09/2015 09:00			
265_07:43:40	0	RTOF	Mode	51	7	0	4910	265_09:05:30
265_09:00:00	1	DFMS	Mode	222	0	2	8460	265_11:21:00
265_09:05:30	0	RTOF	Mode	521	15	8	30120	265_17:27:30
265_11:21:00	0	DFMS	Mode	564	0	0	1900	265_11:52:40
265_11:52:40	0	DFMS	Mode	222	0	1	5160	265_13:18:40
265_13:18:40	0	DFMS	Mode	562	0	1	3800	265_14:22:00
265_14:22:00	0	DFMS	Mode	564	0	0	1900	265_14:53:40
265_14:53:40	0	DFMS	Mode	562	0	0	1900	265_15:25:20
265_15:25:20	0	DFMS	Mode	564	0	0	1900	265_15:57:00
265_15:57:00	0	DFMS	Mode	222	0	0	2580	265_16:40:00
265_16:40:00	0	DFMS	Mode	260	0	0	864	265_16:54:24
265_16:54:24	0	DFMS	Mode	564	0	0	1900	265_17:26:04
265_17:26:04	0	DFMS	Mode	502	0	0	1280	265_17:47:24
265_17:51:30	0	ROSINA	Flight sequence	ZRNP2002	0	0	240	265_17:55:30

MTP_020	FDDF.xml	SC	MWNV	22/09/2015 17:53	22/09/2015 19:03			
265_17:55:30	0	RTOF	Mode	51	6	0	4310	265_19:07:20
265_19:03:00	1	DFMS	Mode	222	0	0	3300	265_19:58:00
265_19:07:20	0	RTOF	Mode	521	11	0	3320	265_20:02:40
265_19:58:00	0	DFMS	Mode	564	0	0	1900	265_20:29:40
265_20:02:40	0	RTOF	Mode	181	3	0	950	265_20:18:30
265_20:22:30	1	RTOF	Mode	181	3	0	890	265_20:37:20
265_20:29:40	0	DFMS	Mode	322	0	0	8700	265_22:54:40
265_20:42:00	1	RTOF	Mode	181	3	0	890	265_20:56:50
265_21:02:00	1	RTOF	Mode	181	3	0	890	265_21:16:50
265_21:16:50	0	RTOF	Mode	181	3	0	890	265_21:31:40
265_21:31:40	0	RTOF	Mode	181	3	0	890	265_21:46:30
265_23:00:00	1	ROSINA	Flight sequence	ZRNP2002	0	0	240	265_23:04:00
265_23:04:00	0	DFMS	Flight sequence	ARNF100B	0	0	20	265_23:04:20
265_23:04:20	0	DFMS	Flight sequence	ARNF014B	0	0	125	265_23:06:25
265_23:06:25	0	RTOF	Flight sequence	ARNF014A	0	0	120	265_23:08:25
265_23:08:25	0	COPS	Flight sequence	ARNF016B	0	0	60	265_23:09:25
265_23:09:25	0	COPS	Flight sequence	ARNF011A	0	0	210	265_23:12:55

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Start time	Set Time	Instrument	Mode/Seq	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 22.09.2015 23:25:00 - 23.09.2015 05:55:00								
266_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	266_05:57:00
266_05:57:00	0	COPS	Mode	332	1	0	60	266_05:58:00
266_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	266_06:00:00
266_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	266_06:00:20
DFMS non-OP heaters off								
266_06:00:20	0	DFMS	Mode	215	0	1	2598	266_06:43:38
266_06:30:00	1	COPS	Flight sequence	ARNF016A	0	0	60	266_06:31:00
COPS science on								

266_06:43:38	0	DFMS	Mode	245	0	0	1200	266_07:03:38
266_07:03:38	0	DFMS	Mode	215	0	1	1728	266_07:32:26
266_07:32:26	0	DFMS	Mode	245	0	0	1200	266_07:52:26
266_07:52:26	0	DFMS	Mode	215	0	1	1728	266_08:21:14
266_08:21:14	0	DFMS	Mode	245	0	0	1200	266_08:41:14
266_08:41:14	0	DFMS	Mode	215	0	1	1728	266_09:10:02
266_09:10:02	0	DFMS	Mode	245	0	0	1200	266_09:30:02
266_09:35:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	266_09:35:10
266_09:35:10	0	DFMS	Mode	1	0	0	120	266_09:37:10
MWNV 23.09.2015 09:37:51 - 23.09.2015 10:47:51								
266_10:47:51	1	DFMS	Mode	222	0	10	29100	266_18:52:51
266_18:52:51	0	DFMS	Mode	564	0	0	1900	266_19:24:31
266_19:48:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	266_19:48:10
266_19:48:10	0	DFMS	Mode	1	0	0	120	266_19:50:10
MWNV 23.09.2015 19:50:43 - 23.09.2015 21:00:43								
266_21:00:43	1	DFMS	Mode	215	0	1	2328	266_21:39:31
266_21:39:31	0	DFMS	Mode	245	0	0	1200	266_21:59:31
266_21:59:31	0	DFMS	Mode	215	0	1	1728	266_22:28:19
266_22:28:19	0	DFMS	Mode	245	0	0	1200	266_22:48:19
266_22:48:19	0	DFMS	Mode	215	0	1	1728	266_23:17:07
266_23:17:07	0	DFMS	Mode	245	0	0	1200	266_23:37:07

266_23:37:07	0	DFMS	Mode	215	0	1	1728	267_00:05:55
267_00:05:55	0	DFMS	Mode	245	0	0	1200	267_00:25:55
267_00:25:55	0	DFMS	Mode	215	0	1	1728	267_00:54:43
267_00:54:43	0	DFMS	Mode	245	0	0	1200	267_01:14:43
267_01:14:43	0	DFMS	Mode	215	0	1	1728	267_01:43:31
267_01:43:31	0	DFMS	Mode	245	0	0	1200	267_02:03:31
267_02:03:31	0	DFMS	Mode	215	0	1	1728	267_02:32:19
267_02:32:19	0	DFMS	Mode	245	0	0	1200	267_02:52:19
267_02:52:19	0	DFMS	Mode	215	0	1	1728	267_03:21:07
267_03:21:07	0	DFMS	Mode	245	0	0	1200	267_03:41:07
267_03:41:07	0	DFMS	Mode	215	0	1	1728	267_04:09:55
267_04:09:55	0	DFMS	Mode	245	0	0	1200	267_04:29:55
267_04:29:55	0	DFMS	Mode	215	0	1	1728	267_04:58:43
267_04:58:43	0	DFMS	Mode	245	0	0	1200	267_05:18:43
267_05:18:43	0	DFMS	Mode	215	0	1	1728	267_05:47:31
267_06:01:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	267_06:01:10
267_06:01:10	0	DFMS	Mode	1	0	0	120	267_06:03:10
MWNV 24.09.2015 06:03:34 - 24.09.2015 07:13:34								
267_07:13:34	1	DFMS	Mode	222	0	10	29100	267_15:18:34
267_15:18:34	0	DFMS	Mode	564	0	0	1900	267_15:50:14

267_16:14:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	267_16:14:10
267_16:14:10	0	DFMS	Mode	1	0	0	120	267_16:16:10
MWNV 24.09.2015 16:16:26 - 24.09.2015 17:26:26								
267_17:26:26	1	DFMS	Mode	215	0	1	2328	267_18:05:14
267_18:05:14	0	DFMS	Mode	245	0	0	1200	267_18:25:14
267_18:25:14	0	DFMS	Mode	215	0	1	1728	267_18:54:02
267_18:54:02	0	DFMS	Mode	245	0	0	1200	267_19:14:02
267_19:14:02	0	DFMS	Mode	215	0	1	1728	267_19:42:50
267_19:42:50	0	DFMS	Mode	245	0	0	1200	267_20:02:50
267_20:02:50	0	DFMS	Mode	215	0	1	1728	267_20:31:38
267_20:31:38	0	DFMS	Mode	245	0	0	1200	267_20:51:38
267_20:51:38	0	DFMS	Mode	215	0	1	1728	267_21:20:26
267_21:20:26	0	DFMS	Mode	245	0	0	1200	267_21:40:26
267_21:40:26	0	DFMS	Mode	215	0	1	1728	267_22:09:14
267_22:09:14	0	DFMS	Mode	245	0	0	1200	267_22:29:14
267_22:29:14	0	DFMS	Mode	215	0	1	1728	267_22:58:02
267_22:58:02	0	DFMS	Mode	245	0	0	1200	267_23:18:02
267_23:18:02	0	DFMS	Mode	215	0	1	1728	267_23:46:50
267_23:46:50	0	DFMS	Mode	245	0	0	1200	268_00:06:50
268_00:06:50	0	DFMS	Mode	215	0	1	1728	268_00:35:38

268_00:35:38	0	DFMS	Mode	245	0	0	1200	268_00:55:38	
268_00:55:38	0	DFMS	Mode	215	0	1	1728	268_01:24:26	
268_01:24:26	0	DFMS	Mode	245	0	0	1200	268_01:44:26	
268_01:44:26	0	DFMS	Mode	215	0	1	1728	268_02:13:14	
268_02:27:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	268_02:27:10	
268_02:27:10	0	DFMS	Mode	1	0	0	120	268_02:29:10	
MWNV 25.09.2015 02:29:17 - 25.09.2015 03:39:17									
268_03:39:17	1	DFMS	Mode	222	0	10	29100	268_11:44:17	
268_11:44:17	0	DFMS	Mode	564	0	0	1900	268_12:15:57	
268_12:30:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	268_12:30:10	
268_12:30:10	0	DFMS	Mode	1	0	0	120	268_12:32:10	
268_12:32:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	268_12:32:30	DFMS non-OP heaters on
268_12:32:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	268_12:34:35	
268_12:34:35	0	COPS	Flight sequence	ARNF016B	0	0	60	268_12:35:35	COPS science off
268_12:35:35	0	COPS	Flight sequence	ARNF011A	0	0	210	268_12:39:05	
MWNV 25.09.2015 12:42:09 - 25.09.2015 13:52:09									
MOCM 25.09.2015 23:25:00 - 26.09.2015 05:55:00									
MWNV 26.09.2015 09:28:09 - 26.09.2015 10:38:09									
MWNV 26.09.2015 19:31:19 - 26.09.2015 20:41:19									
MWNV 27.09.2015 05:34:28 - 27.09.2015 06:44:28									
MWNV 27.09.2015 15:37:38 - 27.09.2015 16:47:38									
MWNV 28.09.2015 01:40:47 - 28.09.2015 02:50:47									
MWNV 28.09.2015 11:43:57 - 28.09.2015 12:53:57									
MWNV 28.09.2015 21:47:06 - 28.09.2015 22:57:06									

MWNV 29.09.2015 07:50:16 - 29.09.2015 09:00:16

MWNV 29.09.2015 17:53:25 - 29.09.2015 19:03:25

MOCM 29.09.2015 23:25:00 - 30.09.2015 05:55:00

STP076

Start time	Set Time	Instrument	Mode/Seq	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MOCM 29.09.2015 23:25 - 30.10.2015 05:55								
273_10:30:00	1	COPS	Flight sequence	ARNF015A	0	0	120	273_10:32:00
273_11:30:00	1	COPS	Mode	396	1	0	60	273_11:31:00
MWNV 30.09.2015 09:37 - 30.09.2015 10:47								
MWNV 30.09.2015 19:50 - 30.09.2015 21:00								
MWNV 01.10.2015 06:03 - 01.10.2015 07:13								
274_07:15:00	1	COPS	Mode	332	1	0	60	274_07:16:00
274_09:55:00	1	DFMS	Flight sequence	ARNF100A	0	0	20	274_09:55:20
274_09:55:20	0	DFMS	Flight sequence	ARNF003A	0	0	120	274_09:57:20
274_09:57:20	0	DFMS	Mode	51	11	0	43200	274_21:57:20
MWNV 01.10.2015 16:16 - 01.10.2015 17:26								
274_21:57:20	0	DFMS	Mode	222	0	1	5880	274_23:35:20
274_23:35:20	0	DFMS	Mode	220	0	1	2388	275_00:15:08
275_00:15:08	0	DFMS	Mode	564	0	1	3800	275_01:18:28
275_01:18:28	0	DFMS	Mode	562	0	1	3800	275_02:21:48
275_02:22:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	275_02:22:10
275_02:22:10	0	DFMS	Mode	1	0	0	120	275_02:24:10
MWNV 02.10.2015 02:29 - 02.10.2015 03:39								
275_03:39:00	1	COPS	Mode	332	1	0	60	275_03:40:00
275_03:40:00	1	DFMS	Mode	250	0	1	12024	275_07:00:24
275_07:00:24	0	DFMS	Mode	260	0	1	1728	275_07:29:12
275_07:29:12	0	DFMS	Mode	1060	0	1	320	275_07:34:32
275_07:34:32	0	DFMS	Mode	1062	0	1	600	275_07:44:32
275_07:44:32	0	DFMS	Mode	1070	0	1	720	275_07:56:32

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275_07:56:32	0	DFMS	Mode	1072	0	1	780	275_08:09:32	
275_08:09:32	0	DFMS	Mode	1012	0	1	16000	275_12:36:12	
275_12:37:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	275_12:37:10	
275_12:37:10	0	DFMS	Mode	1	0	0	120	275_12:39:10	
MWNV 02.10.2015 13:42 - 02.10.2015 14:52									
275_13:52:00	1	DFMS	Mode	262	0	1	6480	275_15:40:00	
275_15:00:00	1	COPS	Flight sequence	ARNF016A	0	0	60	275_15:01:00	
275_15:40:00	0	DFMS	Mode	522	0	11	1776	275_16:09:36	
275_16:09:36	0	DFMS	Mode	600	0	0	4600	275_17:26:16	
275_17:26:16	0	DFMS	Mode	522	0	11	1896	275_17:57:52	
275_17:57:52	0	DFMS	Sequence	28	0	5	18840	275_23:11:52	
275_23:15:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	275_23:15:10	
275_23:15:10	0	COPS	Flight sequence	ARNF016B	0	0	60	275_23:16:10	
275_23:16:10	0	DFMS	Mode	1	0	0	120	275_23:18:10	Slew (stepping from ~26° - 58° +X)
275_23:18:10	0	DFMS	Flight sequence	ARNF014B	0	0	125	275_23:20:15	
275_23:20:15	0	DFMS	Flight sequence	ARNF100B	0	0	20	275_23:20:35	
275_23:20:35	0	COPS	Flight sequence	ARNF011A	0	0	210	275_23:24:05	
MOCM 02.10.2015 23:25 - 03.10.2015 05:55									
276_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	276_05:57:00	Slew to +X 90° and stay there
276_05:57:00	0	COPS	Mode	332	1	0	60	276_05:58:00	
276_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	276_06:00:00	
276_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	276_06:00:20	
276_06:25:00	1	DFMS	Sequence	22	0	1	10668	276_09:22:48	
276_09:23:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	276_09:23:10	
276_09:23:10	0	DFMS	Mode	1	0	0	120	276_09:25:10	
MWNV 03.10.2015 09:28 - 03.10.2015 10:38									

276_10:50:00	1	COPS	Flight sequence	ARNF016A	0	0	60	276_10:51:00
276_11:00:00	1	DFMS	Mode	502	0	0	2000	276_11:33:20
276_11:33:20	0	DFMS	Mode	562	0	0	1900	276_12:05:00
276_12:05:00	0	DFMS	Mode	564	0	0	1900	276_12:36:40
276_12:36:40	0	DFMS	Mode	262	0	0	2880	276_13:24:40
276_13:24:40	0	DFMS	Mode	220	0	0	1194	276_13:44:34
276_15:00:00	1	DFMS	Mode	522	0	9	1480	276_15:24:40
276_15:24:40	0	DFMS	Mode	601	0	0	4600	276_16:41:20
276_16:41:20	0	DFMS	Mode	522	0	9	1600	276_17:08:00
276_17:08:00	0	DFMS	Mode	602	0	0	4480	276_18:22:40
276_18:22:40	0	DFMS	Mode	522	0	9	1480	276_18:47:20
276_18:48:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	276_18:48:10
276_18:48:10	0	DFMS	Mode	1	0	0	120	276_18:50:10

MWNV 03.10.2015 19:31 - 03.10.2015 20:41

276_20:41:00	1	DFMS	Mode	322	0	1	18120	277_01:43:00
277_01:43:00	0	DFMS	Mode	320	0	0	6900	277_03:38:00
277_03:38:00	0	DFMS	Mode	530	0	0	5212	277_05:04:52
277_05:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	277_05:10:10
277_05:10:10	0	DFMS	Mode	1	0	0	120	277_05:12:10
277_05:12:10	0	DFMS	Flight sequence	ARNF100B	0	0	20	277_05:12:30
277_05:12:30	0	DFMS	Flight sequence	ARNF014B	0	0	125	277_05:14:35
277_05:15:00	1	COPS	Flight sequence	ARNF016B	0	0	60	277_05:16:00
277_05:16:00	0	COPS	Flight sequence	ARNF011A	0	0	210	277_05:19:30

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MWNV 04.10.2015 05:34 - 04.10.2015 06:44

MWNV 04.10.2015 15:37 - 04.10.2015 16:47

MWNV 05.10.2015 01:40 - 05.10.2015 02:50

MWNV 05.10.2015 11:43 - 05.10.2015 12:53

MWNV 05.10.2015 21:47 - 05.10.2015 22:57

MWNV 06.10.2015 07:50 - 06.10.2015 09:00

MWNV 06.10.2015 17:53 - 06.10.2015 19:03

STP077

ROSINA didn't operate during STP077.

STP078

Start time	Set Time	Instrument	Mode/Seq	Mode/Seq number	Cycle number	Repetition	Duration [s]	Stop time
MTP_021	FDDF.xml	SC	MOCM	13/10/2015 23:25	14/10/2015 05:55			
287_05:55:00	1	ROSINA	Flight sequence	ARNF050A_M	0	0	120	287_05:57:00
287_05:57:00	0	ROSINA	Flight sequence	ARNF002A	0	0	220	287_06:00:40
287_06:00:40	0	COPS	Flight sequence	ARNF015A	0	0	120	287_06:02:40
287_06:02:40	0	COPS	Mode	332	1	0	60	287_06:03:40
287_06:03:40	0	DFMS	Flight sequence	ARNF003A	0	0	120	287_06:05:40
287_06:05:40	0	DFMS	Flight sequence	ARNF100A	0	0	20	287_06:06:00
287_06:06:00	0	DFMS	Mode	215	0	2	3462	287_07:03:42
287_06:40:20	1	COPS	Flight sequence	ARNF016A	0	0	60	287_06:41:20
287_07:03:42	0	DFMS	Mode	245	0	1	2400	287_07:43:42
287_07:43:42	0	DFMS	Mode	215	0	5	5184	287_09:10:06
287_09:32:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	287_09:32:10
287_09:32:10	0	DFMS	Mode	1	0	0	120	287_09:34:10
MTP_021	FDDF.xml	SC	MWNV	14/10/2015 09:37	14/10/2015 10:47			
287_10:47:00	1	DFMS	Mode	222	0	11	31680	287_19:35:00
287_19:40:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	287_19:40:10
287_19:40:10	0	DFMS	Mode	1	0	0	120	287_19:42:10
MTP_021	FDDF.xml	SC	MWNV	14/10/2015 19:50	14/10/2015 21:00			
287_21:00:00	1	DFMS	Mode	222	0	11	31680	288_05:48:00

288_05:55:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	288_05:55:10
288_05:55:10	0	DFMS	Mode	1	0	0	120	288_05:57:10
MTP_021	FDDF.xml	SC	MWNV	15/10/2015 06:03	15/10/2015 07:13			
288_07:13:00	1	DFMS	Mode	222	0	11	31680	288_16:01:00
288_16:10:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	288_16:10:10
288_16:10:10	0	DFMS	Mode	1	0	0	120	288_16:12:10
MTP_021	FDDF.xml	SC	MWNV	15/10/2015 16:16	15/10/2015 17:26			
288_17:26:00	1	DFMS	Mode	222	0	11	31680	289_02:14:00
289_02:20:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	289_02:20:10
289_02:20:10	0	DFMS	Mode	1	0	0	120	289_02:22:10
MTP_021	FDDF.xml	SC	MWNV	16/10/2015 02:29	16/10/2015 03:39			
289_03:39:00	1	DFMS	Mode	222	0	11	31680	289_12:27:00
289_12:35:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	289_12:35:10
289_12:35:10	0	DFMS	Mode	1	0	0	120	289_12:37:10
MTP_021	FDDF.xml	SC	MWNV	16/10/2015 12:42	16/10/2015 13:52			
289_13:52:00	1	DFMS	Mode	222	0	11	31680	289_22:40:00
289_22:40:00	0	DFMS	Mode	502	0	0	1280	289_23:01:20
289_23:01:20	0	DFMS	Flight sequence	ARNS081B	0	0	10	289_23:01:30
289_23:01:30	0	DFMS	Mode	1	0	0	120	289_23:03:30
289_23:03:30	0	DFMS	Flight sequence	ARNF100B	0	0	20	289_23:03:50
289_23:03:50	0	DFMS	Flight sequence	ARNF014B	0	0	125	289_23:05:55
289_23:19:55	1	COPS	Flight sequence	ARNF016B	0	0	60	289_23:20:55
289_23:20:55	0	COPS	Flight sequence	ARNF011A	0	0	210	289_23:24:25
MTP_021	FDDF.xml	SC	MOCM	16/10/2015 23:25	17/10/2015 05:55			
290_05:55:00	1	COPS	Flight sequence	ARNF015A	0	0	120	290_05:57:00
290_05:57:00	0	COPS	Mode	332	1	0	60	290_05:58:00
290_05:58:00	0	DFMS	Flight sequence	ARNF003A	0	0	120	290_06:00:00
290_06:00:00	0	DFMS	Flight sequence	ARNF100A	0	0	20	290_06:00:20
290_06:00:20	0	DFMS	Mode	245	0	2	4200	290_07:10:20

290_06:40:20	1	COPS	Flight sequence	ARNF016A	0	0	60	290_06:41:20
290_07:10:20	0	DFMS	Mode	215	0	5	5184	290_08:36:44
290_08:36:44	0	DFMS	Mode	245	0	1	2400	290_09:16:44
290_09:22:44	1	DFMS	Flight sequence	ARNS081B	0	0	10	290_09:22:54
290_09:22:54	0	DFMS	Mode	1	0	0	120	290_09:24:54
MTP_021	FDDF.xml	SC	MWNV	17/10/2015 09:28	17/10/2015 10:38			
290_10:38:00	1	DFMS	Mode	222	0	11	31680	290_19:26:00
290_19:26:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	290_19:26:10
290_19:26:10	0	DFMS	Mode	1	0	0	120	290_19:28:10
MTP_021	FDDF.xml	SC	MWNV	17/10/2015 19:31	17/10/2015 20:41			
290_20:41:00	1	DFMS	Mode	222	0	11	31680	291_05:29:00
291_05:29:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	291_05:29:10
291_05:29:10	0	DFMS	Mode	1	0	0	120	291_05:31:10
MTP_021	FDDF.xml	SC	MWNV	18/10/2015 05:34	18/10/2015 06:44			
291_06:44:00	1	DFMS	Mode	222	0	11	31680	291_15:32:00
291_15:34:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	291_15:34:10
291_15:34:10	0	DFMS	Mode	1	0	0	120	291_15:36:10
MTP_021	FDDF.xml	SC	MWNV	18/10/2015 15:37	18/10/2015 16:47			
291_16:47:00	1	DFMS	Mode	222	0	11	31680	292_01:35:00
292_01:35:00	0	DFMS	Flight sequence	ARNS081B	0	0	10	292_01:35:10
292_01:35:10	0	DFMS	Mode	1	0	0	120	292_01:37:10
MTP_021	FDDF.xml	SC	MWNV	19/10/2015 01:40	19/10/2015 02:50			
292_02:50:00	1	DFMS	Mode	222	0	11	31680	292_11:38:00
292_11:40:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	292_11:40:10
292_11:40:10	0	DFMS	Mode	1	0	0	120	292_11:42:10
MTP_021	FDDF.xml	SC	MWNV	19/10/2015 11:43	19/10/2015 12:53			
292_12:53:00	1	DFMS	Mode	222	0	11	31680	292_21:41:00
292_21:44:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	292_21:44:10
292_21:44:10	0	DFMS	Mode	1	0	0	120	292_21:46:10
MTP_021	FDDF.xml	SC	MWNV	19/10/2015 21:47	19/10/2015 22:57			
292_22:57:00	1	DFMS	Mode	222	0	11	31680	293_07:45:00

293_07:47:00	1	DFMS	Flight sequence	ARNS081B	0	0	10	293_07:47:10
293_07:47:10	0	DFMS	Mode	1	0	0	120	293_07:49:10
MTP_021	FDDF.xml	SC	MWNV	20/10/2015 07:50	20/10/2015 09:00			
293_09:00:00	1	DFMS	Mode Flight	222	0	11	31680	293_17:48:00
293_17:50:00	1	DFMS	sequence	ARNS081B	0	0	10	293_17:50:10
293_17:50:10	0	DFMS	Mode	1	0	0	120	293_17:52:10
MTP_021	FDDF.xml	SC	MWNV	20/10/2015 17:53	20/10/2015 19:03			
293_19:03:00	1	DFMS	Mode	222	0	4	13620	293_22:50:00
293_22:50:00	0	DFMS	Mode Flight	502	0	0	1280	293_23:11:20
293_23:11:20	0	DFMS	sequence	ARNS081B	0	0	10	293_23:11:30
293_23:11:30	0	DFMS	Mode	1	0	0	120	293_23:13:30
293_23:13:30	0	DFMS	Flight sequence	ARNF100B	0	0	20	293_23:13:50
293_23:13:50	0	DFMS	sequence	ARNF014B	0	0	125	293_23:15:55
293_23:15:55	0	COPS	Flight sequence	ARNF016B	0	0	60	293_23:16:55
293_23:16:55	0	COPS	Flight sequence	ARNF011A	0	0	210	293_23:20:25