Juno
JIRAM

Report JM0041

Version 1.0

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1   INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0041 (PJ4), with particular attention to the comparison with the expected data and that achieved, keeping track of the configuration of the instrument with commanding file (SASF).

2 REFERENCES

a) Adriani A., G. Filacchione, T. Di Iorio, D. Turrini, R. Noschese, A. Cicchetti, D. Grassi, A. Mura, G. Sindoni, M. Zambelli, G. Piccioni, M.T. Capria, F. Tosi, R. Orosei, B.M. Dinelli, M.L. Moriconi, E. Roncon, J.I. Lunine, H.N. Becker, A. Bini, A. Barbis, L. Calamai, C. Pasqui, S. Nencioni, M. Rossi, M. Lastri, R. Formaro, A. Olivieri (2014), JIRAM, the Jovian Infrared Auroral Mapper. Space Sci. Rev., DOI 10.1007/s11214-014-0094-y.

b) Adriani A., M.L. Moriconi, A. Mura, F. Tosi, G. Sindoni, R. Noschese, A. Cicchetti, G. Filacchione (2016), Juno's Earth flyby: the Jovian infrared Auroral Mapper preliminary results, Astrophys Space Sci, DOI 10.1007/s10509-016-2842-9.

c) Becker, H.N., J.W. Alexander, A. Adriani, A. Mura, A. Cicchetti, R. Noschese, J.L. Jørgensen, T. Denver, J. Sushkova, A. Jørgensen, M. Benn, J.E.P. Connerney, S.J. Bolton, the Selex Galileo Juno SRU Team, J. Allison, S. Watts, V. Adumitroaie, E.A. Manor-Chapman, I.J. Daubar, C. Lee, S. Kang, W.J. McAlpine, T. Di Iorio, C. Pasqui, A. Barbis, P. Lawton, L. Spalsbury, S. Loftin, and J. Sun (2017), The Juno Radiation Monitoring (RM) Investigation, Space Sci Rev, doi: 10.1007/s11214-017-0345-9.

3 ACTIVITY DESCRIPTION

During PJ4 pass, JIRAM could have a full coverage of both Northern and Southern Poles of Jupiter. Coverage is given in the figures 1 & 2. Image filter L is for auroras and imager filter M is for mapping the atmospheric thermal emission. Note that in correspondance of each imager's pictures there is a spectral observation. Details about imager/spectrometer coupling and, more in general, about the instrument and its performances can be found in Adriani et al., 2014 and 2016. Low-latitude observations during the approaching to the planet have been focused to the Hot Spots in the Northern Equatorial Band (figure 3). Spectral observations relateted to the science blocks from JRM_022 to JRM_033 (see the file "JIR_STATUS_EDR_2016213T082335_V01.CSV") are sequences of limb observations (not reported in the figures) that visualize the Jupiter North Pole and the auroral oval from different viewing angles during the nighttime period. Finally, observations of the Jupiter's moon Io have also been done (not reported in the figures).

2017-02-02T18:27:52

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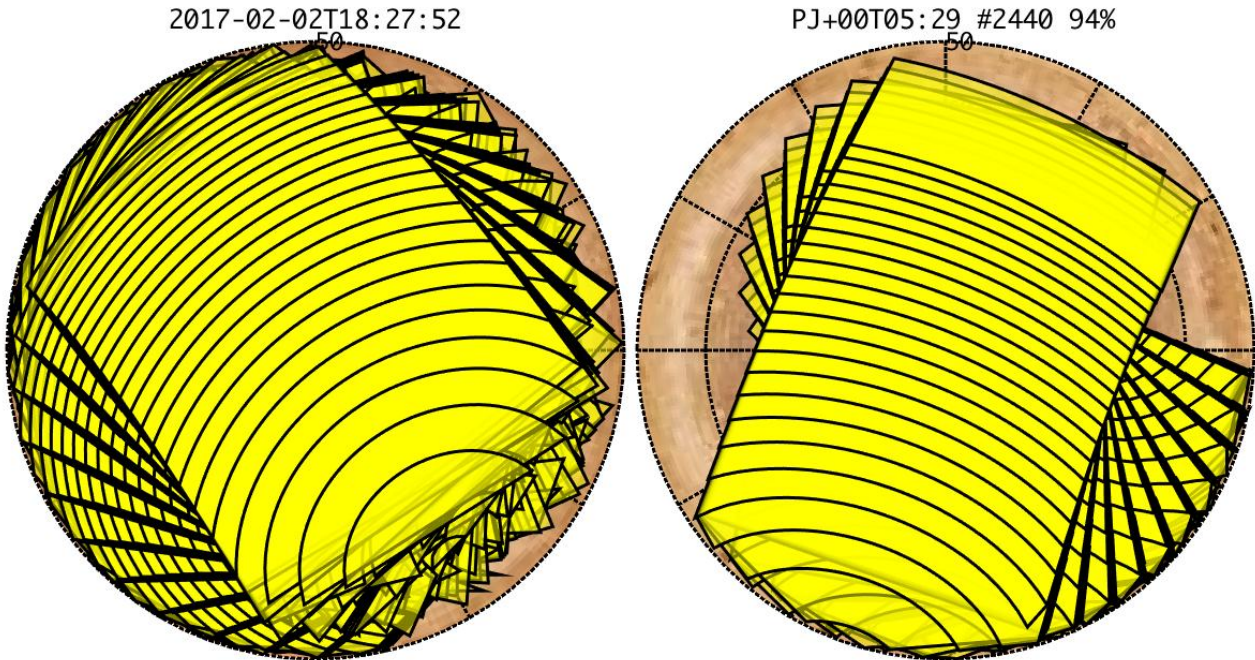
Figure 1: *Poles Coverage - Imager filter L.*

2017-02-02T15:47:54

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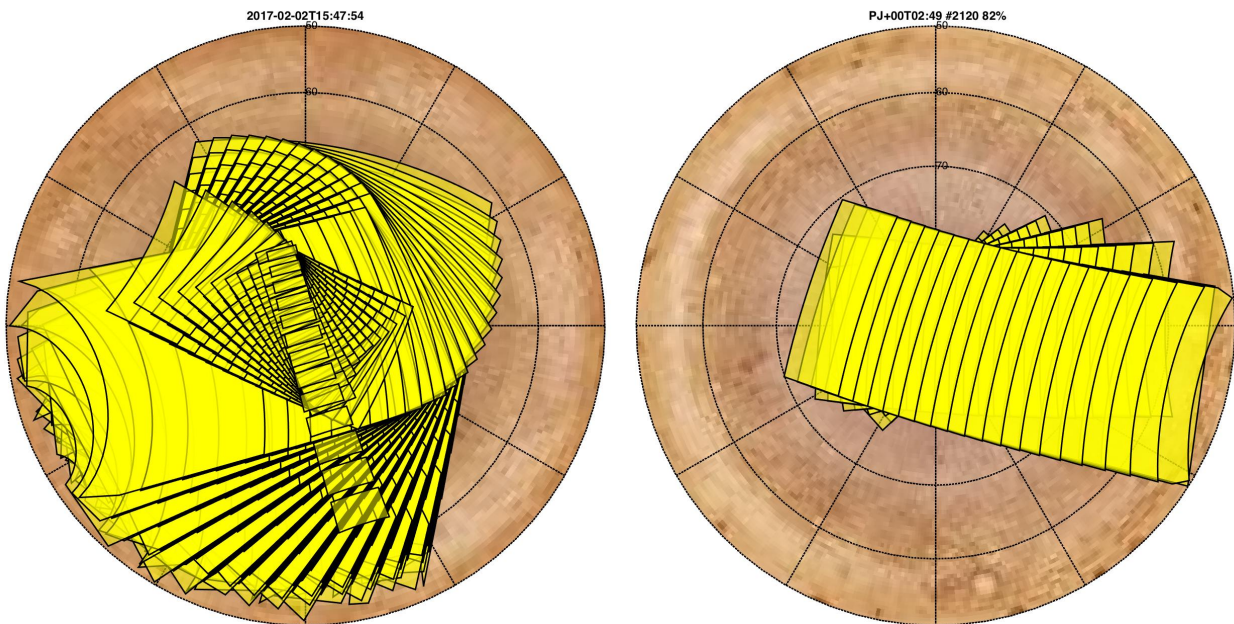
Figure 2. *Poles Coverage - Imager filter M.*
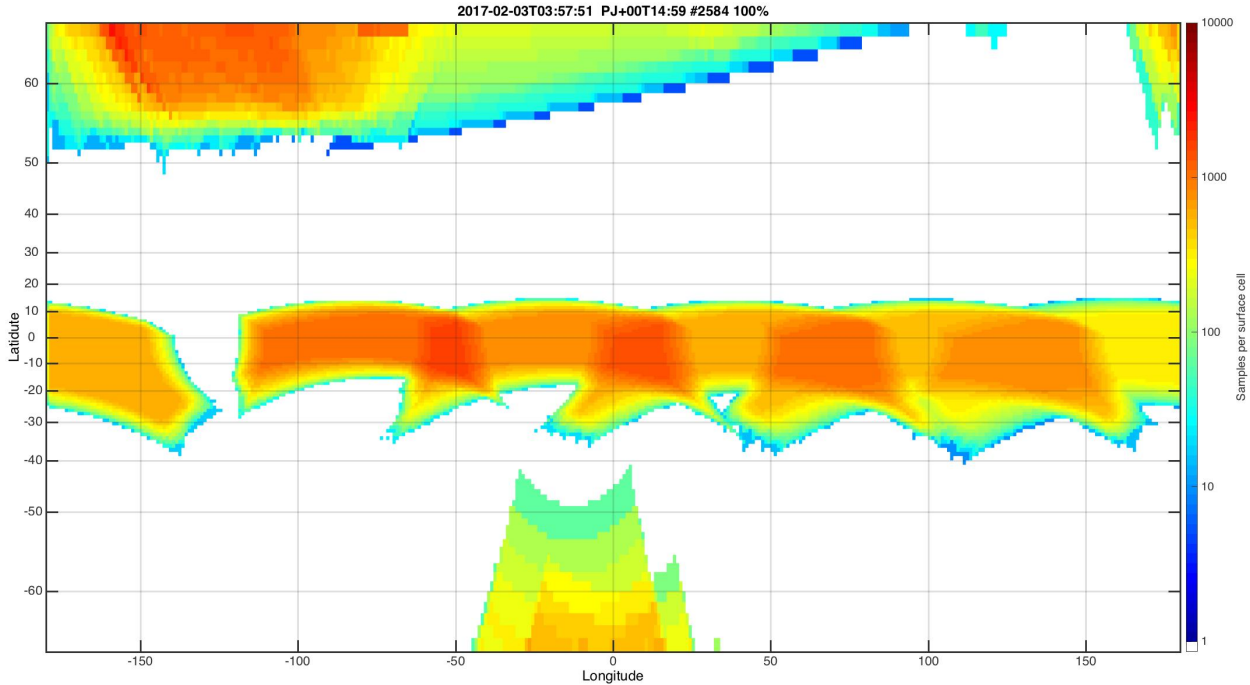
Figure 3. Atmospheric Mapping: Hot Spots – *- Imager filter M.*

4   RADIATIONS ACQUISITION

Radiation sequences were collected in locations of low particle flux in order to update the mapping of good pixel locations to be used in subsequent radiation data processing. Radiation sequences targeting observations of the radiation environment were performed in the middle magnetosphere, the inner synchrotron emission region, and polar regions.

A Cherenkov experiment was performed using the 6th and 7th radiation sequences. This involved the use of a different despinning mirror position for the 2nd image in each of these sequences. Enhanced signal has been observed in one corner of the L band when the IMG is bombarded by radiation and the Cherenkov experiment had the objective to see if a change in mirror position could affect the observed gradient signal. No obvious difference in the observed gradient signal in the L band portion of the imager was observed, suggesting that any influence of Cherenkov was not a strong effect for these two mirror positions. The cause of this gradient signal during radiation bombardment is currently unknown. The ongoing procedure for JIRAM radiation sequence data processing involves the removal of this region of the L band from the processed pixels.

5 SCIENTIFIC GOALS

Below is a table that describes for each science block in the commanding file the relative operative mode and the scientific objectives. The files relating to the varius science blocks are shown in the file "JIR_STATUS_EDR_2016213T082335_V01.CSV" in the INDEX directory.

JRM (sasf)	Operative Mode	Goals
JRM_004	CAL_I1_S1	CALIBRATION
JRM_005	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_006	SCI_I2_S1	ATMOSPHERA MAPPING
From JRM_008 to JRM_012	SCI_I1_S0	RADIATION
JRM_013	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_014	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_015	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_016	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_017	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_018	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_019	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_020	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_021	SCI_I0_S1	ATMOSPHERA MAPPING
JRM_022	SCI_I3_S1	NORTH AURORA
JRM_023	SCI_I3_S1	NORTH AURORA
JRM_024	SCI_I3_S1	NORTH AURORA
JRM_025	SCI_I3_S1	NORTH AURORA
JRM_026	SCI_I3_S1	NORTH AURORA
JRM_027	SCI_I3_S1	NORTH AURORA
JRM_028	SCI_I3_S1	NORTH AURORA
JRM_029	SCI_I3_S1	NORTH AURORA
JRM_030	SCI_I3_S1	NORTH AURORA
JRM_031	SCI_I3_S1	NORTH AURORA
JRM_032	SCI_I3_S1	NORTH AURORA

JRM_033	SCI_I3_S1	NORTH AURORA
JRM_034	SCI_I2_S1	NORTH AURORA
JRM_035	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_036	SCI_I3_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_037	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_038	SCI_I3_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_039	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_040	SCI_I3_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_041	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_042	SCI_I3_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_043	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_044	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_045	SCI_I3_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_046	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_047	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_048	SCI_I0_S1	NORTH LIMB
JRM_049	SCI_I0_S1	NORTH LIMB
From JRM_050 to JRM_051	SCI_I1_S0	RADIATION
JRM_052	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_053	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_054	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_055	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_056	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_057	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_058	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_059	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_060	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_061	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
JRM_062	SCI_I2_S1	ATMOSPHERA MAPPING & NORTH POLE
From JRM_064 To JRM_076	SCI_I1_S0	RADIATION
JRM_077	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_079	SCI_I1_S0	RADIATION
JRM_080	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_082	SCI_I1_S0	RADIATION
JRM_083	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_084	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_085	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_086	SCI_I2_S1	ATMOSPHERA MAPPING
JRM_087	SCI_I3_S1	SOUTH AURORA
JRM_088	SCI_I3_S1	SOUTH AURORA
JRM_089	SCI_I3_S1	SOUTH AURORA

JRM_090	SCI_I3_S1	SOUTH AURORA
JRM_091	SCI_I3_S1	SOUTH AURORA
JRM_092	SCI_I3_S1	SOUTH AURORA
JRM_093	SCI_I3_S1	SOUTH AURORA
JRM_094	SCI_I3_S1	SOUTH AURORA
JRM_095	SCI_I3_S1	SOUTH AURORA
JRM_096	SCI_I3_S1	SOUTH AURORA
JRM_100	SCI_I0_S1	IO
JRM_101	SCI_I0_S1	IO
JRM_102	SCI_I0_S1	IO
JRM_103	SCI_I0_S1	IO
JRM_104	SCI_I0_S1	IO
JRM_105	SCI_I0_S1	IO
JRM_106	SCI_I0_S1	CALIBRATION

Table 1: Scientific Goals

6 DATA COLLECTION OVERWIER

Below a table that give an overwier of the data collected during the activity period JM0041. The table describes, for each science block in the commanding file, the programmed operative modes, with the real collected data.

JRM (sasf)	Operative Mode	Observations	Packets Retrived	Packets Exepected	Missing Observations SPE	Missing Observations IMG
JRM_004	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0
JRM_005	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_006	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
From JRM_008 to JRM_012	SCI_I1_S0	15 IMG	90	90	N/A	0
JRM_013	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_014	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
JRM_015	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_016	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
JRM_017	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_018	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
JRM_019	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_020	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
JRM_021	SCI_I0_S1	30 SPE	180	180	0	N/A
JRM_022	SCI_I3_S1	30 IMG, 30 SPE	270	270	0	0
JRM_023	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_024	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_025	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_026	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_027	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_028	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_029	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_030	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_031	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_032	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_033	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_034	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_035	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_036	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_037	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0

JRM_038	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_039	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_040	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_041	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_042	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_043	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_044	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_045	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_046	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_047	SCI_I2_S1	9 IMG, 9 SPE	57	81	7-8-9	8-9
JRM_048	SCI_I0_S1	26 SPE	147	156	0	N/A
JRM_049	SCI_I0_S1	24 SPE	136	144	0	N/A
JRM_050, JRM_051	SCI_I1_S0	6 IMG	36	36	N/A	0
JRM_052	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_053	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_054	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_055	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_056	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_057	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_058	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_059	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_060	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_061	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_062	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
from JRM_064 to JRM_076	SCI_I1_S0	39 IMG	234	234	N/A	0
JRM_077	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_080	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0

JRM_079, JRM_082	SCI_I1_S0	6 IMG	36	36	N/A	0
JRM_083	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_084	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_085	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_086	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_087	SCI_I3_S1	30 IMG, 30 SPE	270	270	0	0
JRM_088	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_089	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_090	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_091	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_092	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_093	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_094	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_095	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_096	SCI_I3_S1	20 IMG, 20 SPE	180	180	0	0
JRM_100	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_101	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_102	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_103	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_104	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_105	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_106	SCI_I0_S1	17 SPE	102	102	0	N/A
JRM_107	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0

Table 2: Data Overwier

A.1 Commanding file (sasf)

```
*************************************************************

*************************************************************

CCSD3ZF0000100000001NJPL3KS0L015$$MARK$$;
MISSION_NAME = JUNO;
SPACECRAFT_NAME = JUNO;
DATA_SET_ID = SPACECRAFT_ACTIVITY_SEQUENCE_JRM;
FILE_NAME = jm0041_JRMa.sasf;
APPLICABLE_START_TIME = 2017-032T12:00:00.000;
APPLICABLE_STOP_TIME = 2017-068T00:00:00.000;
PRODUCT_CREATION_TIME = 2017-004T19:48:48.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0041_JRMa;
HOST_ID = JRM_CMD_041_041_V09.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M01300000001;
$$JNO          SPACECRAFT ACTIVITY SEQUENCE FILE
************************************************************
*PROJECT     JNO
*SPACECRAFT 61
*OPERATOR    JRMTEAM
*FILE_CMPLT TRUE
*DATE        Wed Jan 04 19:48:48 2017
*BEGIN       2017-032T12:00:00.000
*CUTOFF      2017-068T00:00:00.000
*TITLE       jm0041_JRMa
*EPOCHS_DEF
*jm0041_JRM,     2017-032T12:00:00.000
*EPOCHS_END
*Input files used:
*File Type  Last modified          File name
*PACKETS_NUMBER  13173
************************************************************
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
                  START_TIME,2017-032T12:00:00.000,
                  TITLE, "JRM_MAINTENANCE",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")

activity(1,
      SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 SEQTRAN_directive
                 (VML_START,2001-001T00:00:00.000,2030-
001T00:00:00.000,"ABSLTE","jm0041_JRM","jm0041_JRM.abs","d:/seq")
           ),
    command(2,
                 SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
                 FILE_DELETE("d:/seq/jm0041_JRM.abs")
           ),
    command(3,
                 SCHEDULED_TIME,\035T11:59:58\,FROM_REQUEST_START,
                 VM_LOAD(20,"d:/seq/jm0042_JRM.abs")
           ),
 end;
```

```
request(JRM_001,
                START_TIME,2017-032T13:29:03.000,
                TITLE, "jm0041_JRM_Heater_Op",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                THRM_SET_PT_SEL("JIRAM_OH","OPERATIONAL")
        ),
        command(2,
                SCHEDULED_TIME,\00:00:01\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_DECON","OPERATIONAL")
        ),
        command(3,
                SCHEDULED_TIME,\03:10:00\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_ELECT_BP","OPERATIONAL")
        ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
          ),
 end;

request(JRM_002,
                START_TIME,2017-032T18:50:03.000,
                TITLE, "jm0041_JRM-POWER_ON",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
          spawn(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                REQ_ENGINE_ID,21,RT_on_board_block(jiram_pwr_on)
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
          ),
 end;

request(JRM_003,
                START_TIME,2017-032T18:52:46.000,
                TITLE, "jm0041_JRM_StandBy",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,10)
         ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STANDBY("ON","ON","ON")
         ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW","POI
NT",-57343,2,150,"LOW","LOW","SPIN",0,"NO_SUMMED_SCI")
         ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
          ),
```

```
          end;

request(JRM_004,
                  START_TIME,2017-032T18:52:58.000,
                  TITLE, "jm0041_JRM_Calibration",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_CAL_PAR(8,14,8,14,30,700,30,700,30,700,30,700,30,700,200,200,153,153)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_GET_PAR(6000)
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_CALIBRATION("CAL_I1_S1","IDIS_SDIS","DISABLE",1,"LAMP_1")
            ),
          command(5,
                  SCHEDULED_TIME,\00:04:00\,FROM_PREVIOUS_START,
                  JRM_STOP_HS_REC()
            ),
          command(6,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
            ),
            note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"NaN"\
            ),
 end;

request(JRM_005,
                  START_TIME,2017-032T18:57:29.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(74,0)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-297,"NO_SUMMED_SCI")
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
          command(5,
                  SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
```

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                   JRM_ERROR_LOG()
          ),
          command(6,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_STOP_HS_REC()
          ),
           note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\"Atm. Map"\
          ),
 end;

 request(JRM_006,
                   START_TIME,2017-032T19:47:29.000,
                   TITLE, "jm0041_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
          command(1,
                   SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                   JRM_SET_PAR(74,2470)
          ),
          command(2,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

 JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,60,5000,"LOW","LOW","POIN
 T",-57343,60,5000,"LOW","LOW","SPIN",-317,"NO_SUMMED_SCI")
          ),
          command(3,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_START_HS_REC()
          ),
          command(4,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_SCIENCE()
          ),
          command(5,
                   SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                   JRM_ERROR_LOG()
          ),
          command(6,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_STOP_HS_REC()
          ),
           note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\""\
          ),
 end;

 request(JRM_007,
                   START_TIME,2017-032T20:04:14.000,
                   TITLE, "jm0041_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
          command(1,
                   SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                   JRM_SET_PAR(74,0)
          ),
           note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\""\
          ),
```

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            end;

request(JRM_008,
                  START_TIME,2017-032T20:04:33.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

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                    JRM_SET_PAR(92,8174)
            ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_001_DarkFrame_2017-032T20:04:33.000"\
         ),
 end;

request(JRM_009,
                START_TIME,2017-032T20:09:33.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
```

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                command(11,
                        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                 ),
                command(12,
                        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                        JRM_STOP_HS_REC()
                 ),
                command(13,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_SET_PAR(92,8174)
                 ),
                command(14,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
                 ),
                 note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"Radiation_Sequence_04_002_DarkFrame_2017-032T20:09:33.000"\
                 ),
         end;

request(JRM_010,
                  START_TIME,2017-032T20:14:33.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
                command(1,
                        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                        JRM_SET_PAR(92,153)
                 ),
                command(2,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
                 ),
                command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_GET_PAR(6000)
                 ),
                command(4,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_START_HS_REC()
                 ),
                command(5,
                        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                 ),
                command(6,
                        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
                 ),
                command(7,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_GET_PAR(6000)
                 ),
                command(8,
                        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                 ),
```

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        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
             ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
             ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
             ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
             ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
             ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_003_DarkFrame_2017-032T20:14:33.000"\
             ),
 end;

request(JRM_011,
                START_TIME,2017-032T20:19:33.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
              ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
             ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
             ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
             ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
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```
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
        ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
        ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_004_DarkFrame_2017-032T20:19:33.000"\
        ),
 end;

request(JRM_012,
                START_TIME,2017-032T20:24:33.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
        ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                        JRM_START_HS_REC()
            ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_005_DarkFrame_2017-032T20:24:33.000"\
            ),
 end;

request(JRM_013,
                START_TIME,2017-032T20:37:29.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-339,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_014,
                START_TIME,2017-032T21:27:29.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,60,5000,"LOW","LOW","POIN
T",-57343,60,5000,"LOW","LOW","SPIN",-365,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
            ),
 end;
```

request(JRM_015,
                 START_TIME,2017-032T22:17:29.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-393,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_016,
                 START_TIME,2017-032T23:07:29.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,60,5000,"LOW","LOW","POIN
T",-57343,60,5000,"LOW","LOW","SPIN",-425,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,

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                        JRM_ERROR_LOG()
            ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
            ),
 end;

request(JRM_017,
                    START_TIME,2017-032T23:57:29.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
            ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-462,"NO_SUMMED_SCI")
            ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
            command(5,
                    SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_018,
                    START_TIME,2017-033T00:47:28.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
            ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,60,5000,"LOW","LOW","POIN
```

T",-57343,60,5000,"LOW","LOW","SPIN",-505,"NO_SUMMED_SCI")
                ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
            ),
 end;

request(JRM_019,
                START_TIME,2017-033T01:37:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-555,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_020,
                START_TIME,2017-033T02:27:28.000,

```
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,60,5000,"LOW","LOW","POIN
T",-57343,60,5000,"LOW","LOW","SPIN",-610,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
            ),
 end;

request(JRM_021,
                START_TIME,2017-033T03:17:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,0,5000,"LOW","LOW","POINT
",-57343,0,5000,"LOW","LOW","SPIN",-681,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
```

```
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
          ),
 end;

request(JRM_022,
                START_TIME,2017-033T03:57:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",423,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
          ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Aurora"\
          ),
 end;

request(JRM_023,
                START_TIME,2017-033T04:14:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,52,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",431,"NO_SUMMED_SCI")
          ),
```

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        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Aurora"\
         ),
 end;

request(JRM_024,
                START_TIME,2017-033T04:29:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
         ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,53,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",440,"NO_SUMMED_SCI")
         ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Aurora"\
         ),
 end;

request(JRM_025,
                START_TIME,2017-033T04:44:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
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                        PROCESSOR, "VC2",
                        KEY, "No_Key")
               command(1,
                        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                        JRM_SET_PAR(74,0)
                 ),
               command(2,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,55,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",450,"NO_SUMMED_SCI")
                 ),
               command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_START_HS_REC()
                 ),
               command(4,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                 ),
               command(5,
                        SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
                 ),
               command(6,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_STOP_HS_REC()
                 ),
                note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"North Aurora"\
                 ),
         end;

request(JRM_026,
                  START_TIME,2017-033T04:59:28.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
               command(1,
                        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                        JRM_SET_PAR(74,0)
                 ),
               command(2,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,56,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",459,"NO_SUMMED_SCI")
                 ),
               command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_START_HS_REC()
                 ),
               command(4,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                 ),
               command(5,
                        SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
                 ),
               command(6,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                          JRM_STOP_HS_REC()
            ),
             note(1,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                          TEXT,\"North Aurora"\
            ),
 end;

request(JRM_027,
                          START_TIME,2017-033T05:14:28.000,
                          TITLE, "jm0041_JRM_Science",
                          REQUESTOR, "JRMTEAM",
                          PROCESSOR, "VC2",
                          KEY, "No_Key")
            command(1,
                          SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                          JRM_SET_PAR(74,0)
            ),
            command(2,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,57,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",470,"NO_SUMMED_SCI")
            ),
            command(3,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                          JRM_START_HS_REC()
            ),
            command(4,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                          JRM_SCIENCE()
            ),
            command(5,
                          SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                          JRM_ERROR_LOG()
            ),
            command(6,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                          JRM_STOP_HS_REC()
            ),
             note(1,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                          TEXT,\"North Aurora"\
            ),
 end;

request(JRM_028,
                          START_TIME,2017-033T05:29:28.000,
                          TITLE, "jm0041_JRM_Science",
                          REQUESTOR, "JRMTEAM",
                          PROCESSOR, "VC2",
                          KEY, "No_Key")
            command(1,
                          SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                          JRM_SET_PAR(74,0)
            ),
            command(2,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,58,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",481,"NO_SUMMED_SCI")
            ),
            command(3,
                          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                      JRM_START_HS_REC()
          ),
          command(4,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      JRM_SCIENCE()
          ),
          command(5,
                      SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                      JRM_ERROR_LOG()
          ),
          command(6,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      JRM_STOP_HS_REC()
          ),
           note(1,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      TEXT,\"North Aurora"\
          ),
 end;

request(JRM_029,
                      START_TIME,2017-033T05:44:28.000,
                      TITLE, "jm0041_JRM_Science",
                      REQUESTOR, "JRMTEAM",
                      PROCESSOR, "VC2",
                      KEY, "No_Key")
          command(1,
                      SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                      JRM_SET_PAR(74,0)
          ),
          command(2,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,59,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",493,"NO_SUMMED_SCI")
          ),
          command(3,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      JRM_START_HS_REC()
          ),
          command(4,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      JRM_SCIENCE()
          ),
          command(5,
                      SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                      JRM_ERROR_LOG()
          ),
          command(6,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      JRM_STOP_HS_REC()
          ),
           note(1,
                      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                      TEXT,\"North Aurora"\
          ),
 end;

request(JRM_030,
                      START_TIME,2017-033T05:59:28.000,
                      TITLE, "jm0041_JRM_Science",
                      REQUESTOR, "JRMTEAM",
                      PROCESSOR, "VC2",
                      KEY, "No_Key")
```

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        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,60,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",506,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Aurora"\
            ),
 end;

request(JRM_031,
                START_TIME,2017-033T06:14:28.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,63,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",519,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
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            note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"North Aurora"\
            ),
 end;

request(JRM_032,
                    START_TIME,2017-033T06:29:28.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,64,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",533,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
            note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"North Aurora"\
            ),
 end;

request(JRM_033,
                    START_TIME,2017-033T06:44:28.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,66,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",548,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
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command(4,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          JRM_SCIENCE()
     ),
command(5,
          SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
          JRM_ERROR_LOG()
     ),
command(6,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          JRM_STOP_HS_REC()
     ),
     note(1,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          TEXT,\"North Aurora"\
     ),
end;

request(JRM_034,
          START_TIME,2017-033T08:08:57.000,
          TITLE, "jm0041_JRM_Science",
          REQUESTOR, "JRMTEAM",
          PROCESSOR, "VC2",
          KEY, "No_Key")
command(1,
          SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
          JRM_SET_PAR(74,2470)
     ),
command(2,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,109,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1601,"NO_SUMMED_SCI")
     ),
command(3,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          JRM_START_HS_REC()
     ),
command(4,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          JRM_SCIENCE()
     ),
command(5,
          SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
          JRM_ERROR_LOG()
     ),
command(6,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          JRM_STOP_HS_REC()
     ),
     note(1,
          SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
          TEXT,\"Atm. Map North Pole"\
     ),
end;

request(JRM_035,
          START_TIME,2017-033T08:16:57.000,
          TITLE, "jm0041_JRM_Science",
          REQUESTOR, "JRMTEAM",
          PROCESSOR, "VC2",
          KEY, "No_Key")
command(1,
          SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
```

```
                    JRM_SET_PAR(74,2470)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,109,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1637,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
          note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_036,
                    START_TIME,2017-033T08:24:57.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,109,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1674,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
          note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                    TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_037,
                  START_TIME,2017-033T08:32:57.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1713,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_038,
                  START_TIME,2017-033T08:40:57.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1754,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
          note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_039,
                    START_TIME,2017-033T08:48:57.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
             ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1796,"NO_SUMMED_SCI")
             ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
        command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
          note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
             ),
 end;

request(JRM_040,
                    START_TIME,2017-033T08:56:57.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
             ),
```

```
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1840,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_041,
                START_TIME,2017-033T09:04:57.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
             ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1885,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
```

end;

request(JRM_042,
                  START_TIME,2017-033T09:12:57.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(74,2470)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1933,"NO_SUMMED_SCI")
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
          command(5,
                  SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
            ),
          command(6,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_STOP_HS_REC()
            ),
            note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_043,
                  START_TIME,2017-033T09:20:57.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(74,2470)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1982,"NO_SUMMED_SCI")
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),

```
           command(5,
                   SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                   JRM_ERROR_LOG()
             ),
           command(6,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_STOP_HS_REC()
             ),
            note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\"Atm. Map North Pole"\
             ),
 end;

request(JRM_044,
                   START_TIME,2017-033T09:28:57.000,
                   TITLE, "jm0041_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
           command(1,
                   SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                   JRM_SET_PAR(74,2470)
             ),
           command(2,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2034,"NO_SUMMED_SCI")
             ),
           command(3,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_START_HS_REC()
             ),
           command(4,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_SCIENCE()
             ),
           command(5,
                   SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                   JRM_ERROR_LOG()
             ),
           command(6,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_STOP_HS_REC()
             ),
            note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\"Atm. Map North Pole"\
             ),
 end;

request(JRM_045,
                   START_TIME,2017-033T09:36:57.000,
                   TITLE, "jm0041_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
           command(1,
                   SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                   JRM_SET_PAR(74,2470)
             ),
           command(2,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,110,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2087,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_046,
                START_TIME,2017-033T09:44:56.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
             ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,111,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2143,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;
```

request(JRM_047,
                 START_TIME,2017-033T09:52:56.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",9,1,9,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,165,60,5000,"LOW","LOW","POIN
T",-57343,60,5000,"LOW","LOW","SPIN",2200,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:19\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_048,
                 START_TIME,2017-033T09:59:26.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,20,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3622,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,

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                        JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Limb North"\
            ),
 end;

request(JRM_049,
                START_TIME,2017-033T10:14:26.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",24,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,21,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3868,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:13:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Limb North"\
            ),
 end;

request(JRM_050,
                START_TIME,2017-033T10:28:15.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
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000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
        ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
        ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(8,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(9,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(10,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,153)
        ),
        command(11,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
        ),
        command(12,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
        ),
        command(13,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(14,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
        ),
        command(15,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
        ),
        command(16,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                        TEXT,\"Radiation_Sequence_04_006_ApproachCherenkovExp_2017-033T10:28:15.000"\
            ),
 end;

request(JRM_051,
                    START_TIME,2017-033T10:33:15.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(92,153)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(5,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(6,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,8174)
            ),
        command(7,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(8,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
            ),
        command(9,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(10,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,153)
            ),
        command(11,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(12,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
            ),
```

```
            command(13,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
              ),
            command(14,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
              ),
            command(15,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,8174)
              ),
            command(16,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
              ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Radiation_Sequence_04_007_CherenkovExp_2017-033T10:33:15.000"\
              ),
      end;

      request(JRM_052,
                    START_TIME,2017-033T10:58:55.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
              ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,216,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2076,"NO_SUMMED_SCI")
              ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
              ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
              ),
            command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
              ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
              ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
              ),
      end;

      request(JRM_053,
                    START_TIME,2017-033T11:06:55.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
```

```
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
             ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,215,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2121,"NO_SUMMED_SCI")
             ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
              note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
             ),
 end;

request(JRM_054,
                    START_TIME,2017-033T11:14:55.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
             ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,213,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2148,"NO_SUMMED_SCI")
             ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(5,
                    SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                JRM_STOP_HS_REC()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
        ),
 end;

request(JRM_055,
                START_TIME,2017-033T11:22:55.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
        ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,216,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",2100,"NO_SUMMED_SCI")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
        ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
        ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
        ),
 end;

request(JRM_056,
                START_TIME,2017-033T11:30:55.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
        ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,223,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1972,"NO_SUMMED_SCI")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                    JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_057,
                START_TIME,2017-033T11:38:54.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,234,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1707,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_058,
                START_TIME,2017-033T11:46:54.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
```

```
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
             ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,253,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",1198,"NO_SUMMED_SCI")
             ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
             ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
             ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
             ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
             ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map North Pole"\
             ),
 end;

request(JRM_059,
                START_TIME,2017-033T11:54:54.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
             ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,289,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",247,"NO_SUMMED_SCI")
             ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
             ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
             ),
        command(5,
                SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
             ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
             ),
```

```
            note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_060,
                    START_TIME,2017-033T12:02:53.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,354,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-1532,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:07:24\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
            note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map North Pole"\
            ),
 end;

request(JRM_061,
                    START_TIME,2017-033T12:10:53.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,471,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-4789,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
```

```
command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
command(5,
        SCHEDULED_TIME,\00:07:24\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\"Atm. Map North Pole"\
        ),
end;

request(JRM_062,
            START_TIME,2017-033T12:18:52.000,
            TITLE, "jm0041_JRM_Science",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,2470)
    ),
command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,634,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-11464,"NO_SUMMED_SCI")
    ),
command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
command(5,
        SCHEDULED_TIME,\00:07:25\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\"Atm. Map North Pole"\
        ),
end;

request(JRM_063,
            START_TIME,2017-033T12:29:24.000,
            TITLE, "jm0041_JRM_Science",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
```

```
                JRM_SET_PAR(74,0)
         ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
         ),
 end;

request(JRM_064,
                START_TIME,2017-033T12:32:15.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
         ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
         ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
         ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
         ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
```

```
            command(12,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
            command(13,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,8174)
             ),
            command(14,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Radiation_Sequence_04_008_InboundtoSync_2017-033T12:32:15.000"\
             ),
 end;

request(JRM_065,
                    START_TIME,2017-033T12:36:30.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(92,153)
             ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
             ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
            command(5,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(6,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
            command(7,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
             ),
            command(8,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(9,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
```

```
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_009_ProfileSyncRegion_2017-033T12:36:30.000"\
            ),
 end;

request(JRM_066,
                START_TIME,2017-033T12:40:44.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
             ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
             ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
             ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
             ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                        JRM_GET_PAR(6000)
                ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
                ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
                ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
                ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
                ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
                ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
                ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
                ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_010_NHiLatLobe_2017-033T12:40:44.000"\
                ),
 end;

request(JRM_067,
                START_TIME,2017-033T12:45:17.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
                ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",29309,5
000,5000,"LOW","LOW","POINT",-56707,"NO_SUMMED_SCI")
                ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
                ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
                ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
```

```
                        JRM_SCIENCE()
                ),
            command(6,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",29309,5
000,5000,"LOW","LOW","POINT",-56707,"NO_SUMMED_SCI")
                ),
            command(7,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
                ),
            command(8,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(9,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",29309,5
000,5000,"LOW","LOW","POINT",-56707,"NO_SUMMED_SCI")
                ),
            command(10,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
                ),
            command(11,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(12,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
            command(13,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,8174)
                ),
            command(14,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
              note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Radiation_Sequence_04_011_ProfileSyncRegion_2017-033T12:45:17.000"\
                ),
 end;

request(JRM_068,
                START_TIME,2017-033T12:49:32.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(92,153)
                ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",32495,5
000,5000,"LOW","LOW","POINT",-53521,"NO_SUMMED_SCI")
                ),
```

```
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
```

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",32495,5
000,5000,"LOW","LOW","POINT",-53521,"NO_SUMMED_SCI")

```
         ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
```

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",32495,5
000,5000,"LOW","LOW","POINT",-53521,"NO_SUMMED_SCI")

```
         ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
         ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_012_DarkFrame_2017-033T12:49:32.000"\
         ),
 end;

request(JRM_069,
                START_TIME,2017-033T12:58:41.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
```

```
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(92,8174)
    ),
command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",30010,5
000,5000,"LOW","LOW","SPIN",-56006,"NO_SUMMED_SCI")
    ),
command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_GET_PAR(6000)
    ),
command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
command(5,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
command(6,
        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",30010,5
000,5000,"LOW","LOW","SPIN",-56006,"NO_SUMMED_SCI")
    ),
command(7,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_GET_PAR(6000)
    ),
command(8,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
command(9,
        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",30010,5
000,5000,"LOW","LOW","SPIN",-56006,"NO_SUMMED_SCI")
    ),
command(10,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_GET_PAR(6000)
    ),
command(11,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
command(12,
        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
command(13,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SET_PAR(92,8174)
    ),
command(14,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
 note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                    TEXT,\"Radiation_Sequence_04_013_MagEq_2017-033T12:58:41.000"\
            ),
 end;

request(JRM_070,
                    START_TIME,2017-033T13:03:48.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
```

```
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
          ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
          ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_014_DarkFrame_2017-033T13:03:48.000"\
          ),
 end;

request(JRM_071,
                START_TIME,2017-033T13:09:02.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",24849,5
000,5000,"LOW","LOW","POINT",53521,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",24849,5
000,5000,"LOW","LOW","POINT",53521,"NO_SUMMED_SCI")
          ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",24849,5
000,5000,"LOW","LOW","POINT",53521,"NO_SUMMED_SCI")
          ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                        JRM_GET_PAR(6000)
             ),
         command(11,
                 SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
         command(12,
                 SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
             ),
         command(13,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SET_PAR(92,8174)
             ),
         command(14,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
          note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"Radiation_Sequence_04_015_EdgeSHiLatLobe_2017-033T13:09:02.000"\
             ),
  end;

request(JRM_072,
                 START_TIME,2017-033T13:14:10.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(92,153)
             ),
         command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_GET_PAR(6000)
             ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
             ),
         command(5,
                 SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
         command(6,
                 SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
             ),
         command(7,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_GET_PAR(6000)
             ),
         command(8,
                 SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
```

```
                    JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_016_ProfileSyncRegion_2017-033T13:14:10.000"\
            ),
 end;

request(JRM_073,
                START_TIME,2017-033T13:19:15.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_017_ProfileSyncRegion_2017-033T13:19:15.000"\
            ),
 end;

request(JRM_074,
                START_TIME,2017-033T13:24:15.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
```

```
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
         ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
         ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
         ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
         ),
        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_018_ProfileSyncRegion_2017-033T13:24:15.000"\
         ),
 end;

request(JRM_075,
                START_TIME,2017-033T13:28:30.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
         ),
```

```
          command(2,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
          command(3,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_GET_PAR(6000)
          ),
          command(4,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_START_HS_REC()
          ),
          command(5,
                   SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                   JRM_SCIENCE()
          ),
          command(6,
                   SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
          command(7,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_GET_PAR(6000)
          ),
          command(8,
                   SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                   JRM_SCIENCE()
          ),
          command(9,
                   SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
          command(10,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_GET_PAR(6000)
          ),
          command(11,
                   SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                   JRM_SCIENCE()
          ),
          command(12,
                   SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                   JRM_STOP_HS_REC()
          ),
          command(13,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_SET_PAR(92,8174)
          ),
          command(14,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   JRM_ERROR_LOG()
          ),
           note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\"Radiation_Sequence_04_019_OutboundfromSync_2017-033T13:28:30.000"\
          ),
     end;
```

```
request(JRM_076,
                  START_TIME,2017-033T13:41:03.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(92,153)
            ),
         command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
         command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_GET_PAR(6000)
            ),
         command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
         command(5,
                  SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
         command(6,
                  SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
         command(7,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_GET_PAR(6000)
            ),
         command(8,
                  SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
         command(9,
                  SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
         command(10,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_GET_PAR(6000)
            ),
         command(11,
                  SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
         command(12,
                  SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                  JRM_STOP_HS_REC()
            ),
         command(13,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SET_PAR(92,8174)
            ),
```

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            command(14,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Radiation_Sequence_04_020_HighMagLat_2017-033T13:41:03.000"\
            ),
 end;

request(JRM_077,
                    START_TIME,2017-033T13:57:38.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
            ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,208,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-1364,"NO_SUMMED_SCI")
            ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
            command(5,
                    SCHEDULED_TIME,\00:11:01\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
            ),
 end;

request(JRM_078,
                    START_TIME,2017-033T14:10:23.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
            ),
 end;
```

request(JRM_079,
                  START_TIME,2017-033T14:11:52.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),

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        command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_04_021_HiMagLat_2017-033T14:11:52.000"\
        ),
 end;

request(JRM_080,
                START_TIME,2017-033T14:17:37.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
        ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,159,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-2753,"NO_SUMMED_SCI")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
        ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
        ),
        command(5,
                SCHEDULED_TIME,\00:11:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
        ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
        ),
 end;

request(JRM_081,
                START_TIME,2017-033T14:29:01.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
        ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
        ),
 end;
```

```
request(JRM_082,
                  START_TIME,2017-033T14:29:10.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(5,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(6,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(8,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(9,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT",28991,5
000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
          ),
        command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
          ),
        command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
        command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
          ),
```

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            command(14,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
              ),
              note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Radiation_Sequence_04_022_HiMagLat_2017-033T14:29:10.000"\
              ),
 end;

request(JRM_083,
                    START_TIME,2017-033T14:37:37.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
              ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,143,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-3250,"NO_SUMMED_SCI")
              ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
              ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
              ),
            command(5,
                    SCHEDULED_TIME,\00:11:00\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
              ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
              ),
              note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
              ),
 end;

request(JRM_084,
                    START_TIME,2017-033T14:57:36.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
              ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,137,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-3421,"NO_SUMMED_SCI")
              ),
```

```
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(5,
                    SCHEDULED_TIME,\00:11:00\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
             ),
 end;

request(JRM_085,
                    START_TIME,2017-033T15:17:36.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2470)
             ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,134,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-3459,"NO_SUMMED_SCI")
             ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
            command(5,
                    SCHEDULED_TIME,\00:11:00\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\""\
             ),
 end;

request(JRM_086,
                    START_TIME,2017-033T15:37:36.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
```

```
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,135,60,5000,"LOW","LOW","PO
INT",-57343,60,5000,"LOW","LOW","SPIN",-3453,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:11:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
            ),
 end;

request(JRM_087,
                START_TIME,2017-033T15:57:35.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,104,5000,5000,"LOW","LOW","
POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4520,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:16:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                        JRM_STOP_HS_REC()
            ),
             note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"South Aurora"\
             ),
 end;

request(JRM_088,
                        START_TIME,2017-033T16:14:35.000,
                        TITLE, "jm0041_JRM_Science",
                        REQUESTOR, "JRMTEAM",
                        PROCESSOR, "VC2",
                        KEY, "No_Key")
            command(1,
                        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                        JRM_SET_PAR(74,0)
             ),
            command(2,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,114,5000,5000,"LOW","LOW","
POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4256,"NO_SUMMED_SCI")
             ),
            command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_START_HS_REC()
             ),
            command(4,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
             ),
            command(5,
                        SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
             ),
            command(6,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_STOP_HS_REC()
             ),
             note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"South Aurora"\
             ),
 end;

request(JRM_089,
                        START_TIME,2017-033T16:29:35.000,
                        TITLE, "jm0041_JRM_Science",
                        REQUESTOR, "JRMTEAM",
                        PROCESSOR, "VC2",
                        KEY, "No_Key")
            command(1,
                        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                        JRM_SET_PAR(74,0)
             ),
            command(2,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,108,5000,5000,"LOW","LOW","
POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4027,"NO_SUMMED_SCI")
             ),
            command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                    JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"South Aurora"\
            ),
  end;

    request(JRM_090,
                START_TIME,2017-033T16:44:35.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,102,5000,5000,"LOW","LOW","
POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3825,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"South Aurora"\
            ),
  end;

    request(JRM_091,
                START_TIME,2017-033T16:59:35.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
```

```
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,0)
             ),
         command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,97,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-3646,"NO_SUMMED_SCI")
             ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
             ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
         command(5,
                 SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
         command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
             ),
           note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"South Aurora"\
             ),
  end;

request(JRM_092,
                 START_TIME,2017-033T17:14:35.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,0)
             ),
         command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,93,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-3486,"NO_SUMMED_SCI")
             ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
             ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
         command(5,
                 SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
         command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
             ),
```

```
            note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"South Aurora"\
            ),
 end;

request(JRM_093,
                  START_TIME,2017-033T17:29:35.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(74,0)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,89,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-3342,"NO_SUMMED_SCI")
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
            ),
          command(5,
                  SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
            ),
          command(6,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_STOP_HS_REC()
            ),
            note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"South Aurora"\
            ),
 end;

request(JRM_094,
                  START_TIME,2017-033T17:44:35.000,
                  TITLE, "jm0041_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(74,0)
            ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,86,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-3212,"NO_SUMMED_SCI")
            ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
            ),
```

```
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
           ),
         command(5,
                 SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
           ),
         command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
           ),
          note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"South Aurora"\
           ),
 end;

request(JRM_095,
                 START_TIME,2017-033T17:59:35.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,0)
           ),
         command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,82,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-3094,"NO_SUMMED_SCI")
           ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
           ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
           ),
         command(5,
                 SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
           ),
         command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
           ),
          note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"South Aurora"\
           ),
 end;

request(JRM_096,
                 START_TIME,2017-033T18:14:34.000,
                 TITLE, "jm0041_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
```

```
                    JRM_SET_PAR(74,0)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,80,5000,5000,"LOW","LOW","P
OINT",-57343,5000,5000,"LOW","LOW","SPIN",-2986,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:14:06\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
         note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"South Aurora"\
            ),
 end;

request(JRM_097,
                    START_TIME,2017-033T18:29:00.000,
                    TITLE, "jm0041_JRM-POWER_OFF",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
    command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    VM_LOAD(21,"d:/seq/hlfp_spm_safe_jiram.mod")
            ),
         note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"NaN"\
            ),
 end;

request(JRM_098,
                    START_TIME,2017-034T02:44:08.000,
                    TITLE, "jm0041_JRM-POWER_ON",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        spawn(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    REQ_ENGINE_ID,21,RT_on_board_block(jiram_pwr_on)
            ),
         note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"NaN"\
            ),
 end;

request(JRM_099,
                    START_TIME,2017-034T02:46:51.000,
```

```
                    TITLE, "jm0041_JRM_StandBy",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,10)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STANDBY("ON","ON","ON")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW","POI
NT",-57343,2,150,"LOW","LOW","SPIN",0,"NO_SUMMED_SCI")
          ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
            ),
 end;

request(JRM_100,
                START_TIME,2017-034T02:47:03.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3625,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
          ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
            ),
 end;

request(JRM_101,
                START_TIME,2017-034T02:57:03.000,
```

```
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
           command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
             ),
           command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3728,"NO_SUMMED_SCI")
             ),
           command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
           command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
           command(5,
                    SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
           command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
             ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Io"\
             ),
 end;

 request(JRM_102,
                    START_TIME,2017-034T03:07:03.000,
                    TITLE, "jm0041_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
           command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,0)
             ),
           command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3827,"NO_SUMMED_SCI")
             ),
           command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
             ),
           command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
             ),
           command(5,
                    SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
             ),
```

```
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
         ),
 end;

request(JRM_103,
                START_TIME,2017-034T03:17:03.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
         ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",3922,"NO_SUMMED_SCI")
         ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
         ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
         ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
         ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
         ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
         ),
 end;

request(JRM_104,
                START_TIME,2017-034T03:27:03.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
         ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,17,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",4014,"NO_SUMMED_SCI")
         ),
```

```
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
          ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
          ),
 end;

request(JRM_105,
                START_TIME,2017-034T03:37:03.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
          ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,17,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",4101,"NO_SUMMED_SCI")
          ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
          ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
          ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
          ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
          ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
          ),
 end;

request(JRM_106,
                START_TIME,2017-034T03:47:03.000,
                TITLE, "jm0041_JRM_Science",
                REQUESTOR, "JRMTEAM",
```

```
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,0)
            ),
        command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I0_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,17,0,5000,"LOW","LOW","POIN
T",-57343,0,5000,"LOW","LOW","SPIN",4184,"NO_SUMMED_SCI")
            ),
        command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
            ),
        command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
            ),
        command(5,
                 SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
            ),
        command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
            ),
          note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"Io"\
            ),
 end;

request(JRM_107,
                 START_TIME,2017-034T03:56:50.000,
                 TITLE, "jm0041_JRM_Calibration",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_CAL_PAR(8,14,8,14,30,700,30,700,30,700,30,700,30,700,200,200,153,153)
            ),
        command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_GET_PAR(6000)
            ),
        command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
            ),
        command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_CALIBRATION("CAL_I1_S1","IDIS_SDIS","DISABLE",1,"LAMP_1")
            ),
        command(5,
                 SCHEDULED_TIME,\00:04:00\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
            ),
        command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
            ),
```

```
        note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
        ),
 end;

request(JRM_108,
                START_TIME,2017-034T04:01:10.000,
                TITLE, "jm0041_JRM-POWER_OFF",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
   command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                VM_LOAD(21,"d:/seq/hlfp_spm_safe_jiram.mod")
        ),
        note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
        ),
 end;

request(JRM_109,
                START_TIME,2017-034T04:01:26.000,
                TITLE, "jm0041_JRM_Heater_Op",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                THRM_SET_PT_SEL("JIRAM_OH","NON_OPERATIONAL")
        ),
        command(2,
                SCHEDULED_TIME,\00:00:01\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_DECON","NON_OPERATIONAL")
        ),
        command(3,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_ELECT_BP","NON_OPERATIONAL")
        ),
 end;

$$EOF
```