Juno
JIRAM

Report JM0081

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1 INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0081 (PJ8), 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 PJ8 pass, JIRAM could have a partial 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. Midlatitude observations were mostly done in the Southern hemisphere (Fig. 3). 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. Finally, observations of the Jupiter's moons Europa and Ganymede have also been done (not reported in the figures).

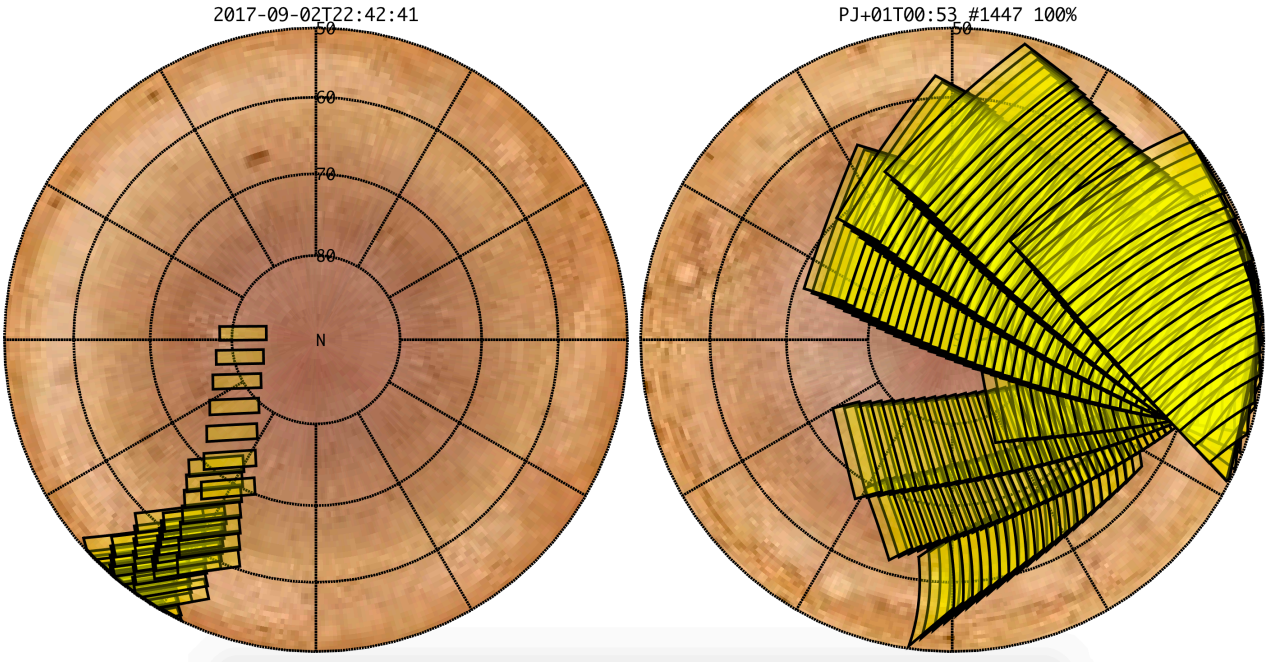

Figure 1: ***Poles Coverage - Imager filter L.***

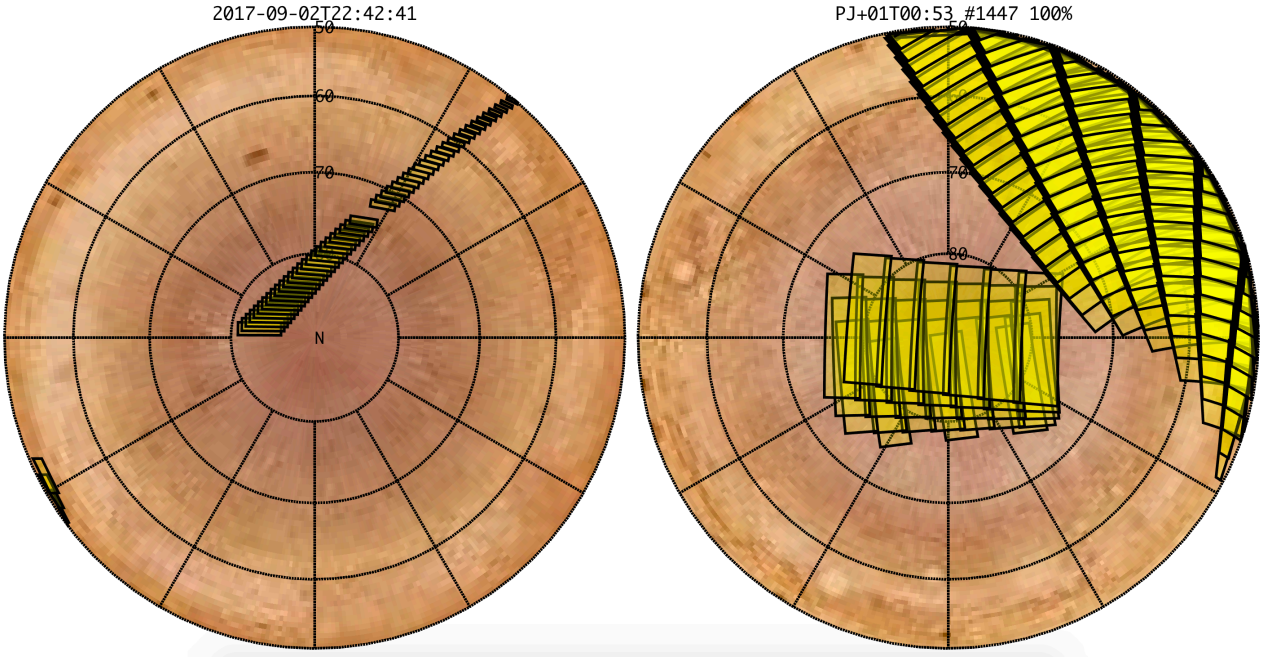

Figure 2. ***Poles Coverage - Imager filter M.***

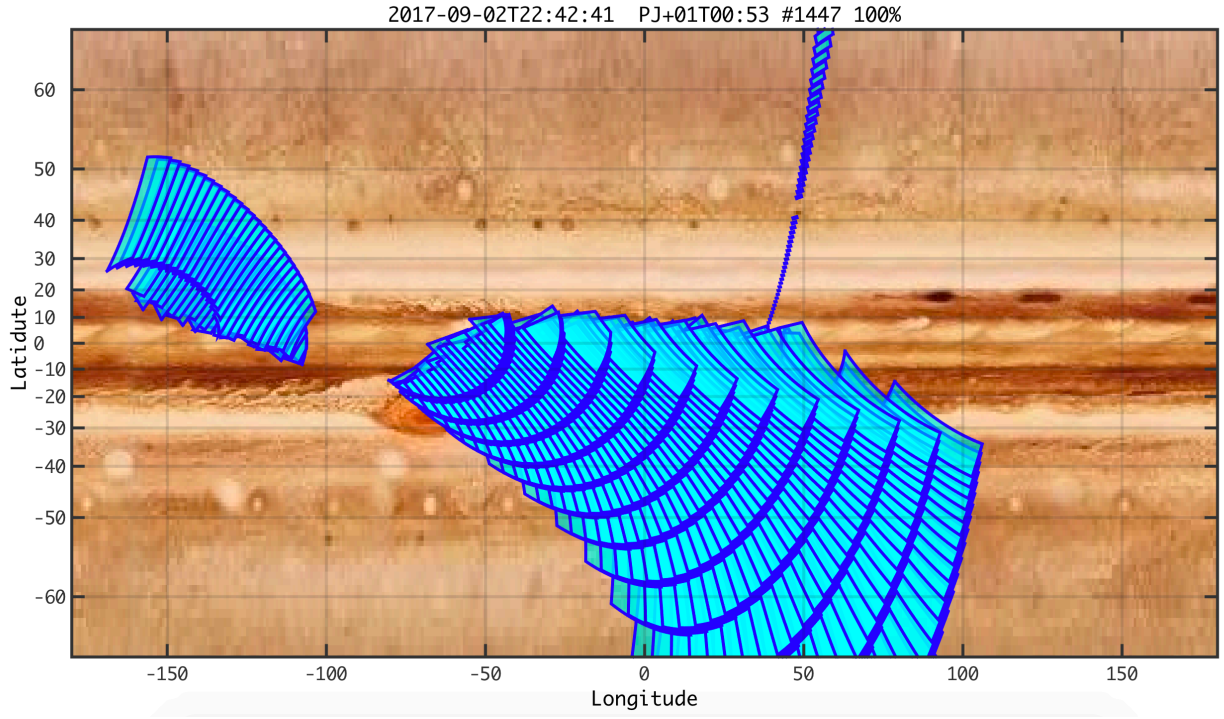

Figure 3. Atmospheric Mapping: Hot Spots – - *Imager filter M.*

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.

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_2017244T075939_V01.CSV” in the INDEX directory.

JRM (sasf)	Operative Mode	Goals
JRM_004	CAL_I1_S1	INTERNAL CALIBRATION
JRM_005	SCI_I1_S0	RADIATION
JRM_006	SCI_I1_S1	EUROPA
JRM_007	SCI_I1_S1	EUROPA
JRM_008	SCI_I1_S1	EUROPA
JRM_009	SCI_I1_S1	EUROPA
JRM_010	SCI_I1_S1	EUROPA
JRM_011	SCI_I1_S1	EUROPA
JRM_012	SCI_I1_S1	EUROPA
JRM_013	SCI_I1_S1	EUROPA
JRM_014	SCI_I1_S1	EUROPA
JRM_015	SCI_I1_S1	EUROPA
JRM_016	SCI_I1_S1	EUROPA
JRM_017	SCI_I1_S1	EUROPA
JRM_018	SCI_I1_S1	EUROPA
JRM_019	SCI_I1_S1	EUROPA
JRM_020	SCI_I1_S1	EUROPA
JRM_021	SCI_I1_S1	EUROPA
JRM_022	SCI_I1_S1	EUROPA
JRM_023	SCI_I1_S1	EUROPA
JRM_024	SCI_I1_S1	EUROPA
JRM_025	SCI_I1_S1	EUROPA
JRM_026	SCI_I1_S1	EUROPA
JRM_027	SCI_I1_S1	EUROPA
JRM_028	SCI_I1_S1	EUROPA
JRM_029	SCI_I1_S1	EUROPA
From JRM_030 to JRM_045	SCI_I1_S0	RADIATION
JRM_046	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_047	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_048	SCI_I3_S1	NORTH AURORE
JRM_049	SCI_I3_S1	NORTH AURORE
JRM_050	SCI_I3_S1	NORTH AURORE
JRM_051	SCI_I3_S1	NORTH AURORE
JRM_052	SCI_I3_S1	NORTH AURORE
JRM_053	SCI_I3_S1	NORTH AURORE
JRM_054	SCI_I3_S1	NORTH AURORE
JRM_055	SCI_I3_S1	NORTH AURORE
JRM_056	SCI_I3_S1	NORTH AURORE
JRM_057	SCI_I2_S1	NADIR
JRM_058	SCI_I2_S1	NADIR
JRM_059	SCI_I2_S1	NADIR
JRM_060	SCI_I2_S1	NADIR
JRM_061	SCI_I2_S1	NADIR
JRM_062	SCI_I3_S1	SOUTH AURORE
JRM_063	SCI_I3_S1	SOUTH AURORE
JRM_064	SCI_I3_S1	SOUTH AURORE
JRM_065	SCI_I3_S1	SOUTH AURORE
JRM_066	SCI_I2_S1	SOUTH POLE

JRM_067	SCI_I2_S1	SOUTH POLE
JRM_068	SCI_I2_S1	SOUTH POLE
JRM_069	SCI_I2_S1	SOUTH POLE
JRM_070	SCI_I2_S1	SOUTH POLE
JRM_071	SCI_I3_S1	SOUTH AURORE
JRM_072	SCI_I3_S1	SOUTH AURORE
JRM_073	SCI_I3_S1	SOUTH AURORE
JRM_074	SCI_I3_S1	SOUTH AURORE
JRM_075	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_076	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_077	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_078	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_079	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_080	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_081	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_082	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_083	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_084	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_085	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_086	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_087	CAL_I2_S1	CALIBRATION
JRM_093	CAL_I2_S1	CALIBRATION
JRM_094	SCI_I1_S1	GANYMEDE
JRM_095	SCI_I1_S1	GANYMEDE
JRM_096	SCI_I1_S1	GANYMEDE
JRM_097	SCI_I1_S1	GANYMEDE
JRM_098	SCI_I1_S1	GANYMEDE
JRM_099	SCI_I1_S1	GANYMEDE
JRM_100	SCI_I1_S1	GANYMEDE
JRM_101	SCI_I1_S1	GANYMEDE
JRM_102	SCI_I1_S1	GANYMEDE
JRM_103	SCI_I1_S1	GANYMEDE
JRM_104	SCI_I1_S1	GANYMEDE
JRM_105	CAL_I1_S1	CALIBRATION

Table 1: Scientific Goals

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6 DATA COLLECTION OVERWIER

Below a table that give an overwier of the data collected during the activity period JM0081. 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_I1_S0	3 IMG	18	18	0	0
JRM_006	SCI_I1_S1	10 IMG, 10 SPE	120	120	0	0
JRM_007	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_008	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_009	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_010	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_011	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_012	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_013	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_014	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_015	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_016	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_017	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_018	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_019	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_020	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_021	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_022	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_023	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_024	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_025	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_026	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_027	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_028	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
JRM_029	SCI_I1_S1	7 IMG, 7 SPE	84	84	0	0
From JRM_030 to JRM_045	SCI_I1_S0	IMG				
JRM_046	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_047	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_048	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_049	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_050	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_052	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_053	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_054	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_055	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_056	SCI_I3_S1	7 IMG, 7 SPE	84	84	0	0
JRM_057	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_058	SCI_I2_S1	30 IMG, 30 SPE	270	270	0	0
JRM_059	SCI_I2_S1	29 IMG, 29 SPE	261	261	0	0
JRM_060	SCI_I2_S1	29 IMG, 29 SPE	261	261	0	0

JRM_061	SCI_I2_S1	18 IMG, 18 SPE	162	162	0	0
JRM_062	SCI_I3_S1	23 IMG, 23 SPE	207	207	0	0
JRM_063	SCI_I3_S1	37 IMG, 37 SPE	333	333	0	0
JRM_064	SCI_I3_S1	32 IMG, 32 SPE	288	288	0	0
JRM_065	SCI_I3_S1	14 IMG, 14 SPE	279	279	0	0
JRM_066	SCI_I2_S1	3 IMG, 3 SPE			0	0
JRM_067	SCI_I2_S1	7 IMG, 7 SPE	63	63	0	0
JRM_068	SCI_I2_S1	7 IMG, 7 SPE	63	63	0	0
JRM_069	SCI_I2_S1	7 IMG, 7 SPE	63	63	0	0
JRM_070	SCI_I2_S1	6 IMG, 6 SPE	54	54	0	0
JRM_071	SCI_I3_S1	42 IMG, 42 SPE	378	378	0	0
JRM_072	SCI_I3_S1	34 IMG, 34 SPE	306	306	0	0
JRM_073	SCI_I3_S1	28 IMG, 28 SPE	252	252	0	0
JRM_074	SCI_I3_S1	17 IMG, 17 SPE	153	153	0	0
JRM_075	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_076	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_077	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_078	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_079	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_080	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_081	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_082	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_083	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_084	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_085	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_086	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_087	CAL_I2_S1	6 IMG, 6 SPE	72	72	0	0
JRM_093	CAL_I2_S1	6 IMG, 6 SPE	72	72	0	0
JRM_094	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_095	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_096	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_097	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_098	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_099	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_100	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_101	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_102	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_103	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_104	SCI_I1_S1	26 IMG, 26 SPE	234	234	0	0
JRM_105	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 = jm0081_JRMc.sasf;
APPLICABLE_START_TIME = 2017-243T21:00:00.000;
APPLICABLE_STOP_TIME = 2017-270T07:00:00.000;
PRODUCT_CREATION_TIME = 2017-227T14:31:31.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0081_JRMc;
HOST_ID = JRM_CMD_081_081_V06.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M01300000001;
$$JNO         SPACECRAFT ACTIVITY SEQUENCE FILE
************************************************************
*PROJECT    JNO
*SPACECRAFT 61
*OPERATOR   JRMTEAM
*FILE_CMPLT TRUE
*DATE       Tue Aug 15 14:31:31 2017
*BEGIN      2017-243T21:00:00.000
*CUTOFF     2017-270T07:00:00.000
*TITLE      jm0081_JRMc
*EPOCHS_DEF
*jm0081_JRM,      2017-243T21:00:00.000
*EPOCHS_END
*Input files used:
*File Type  Last modified             File name
*PACKETS_NUMBER  12498
************************************************************
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
               START_TIME,2017-243T21:00:00.000,
               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","jm0081_JRM","jm0081_JRM.abs","d:/seq")
            ),
     command(2,
                SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
                FILE_DELETE("d:/seq/jm0081_JRM.abs")
            ),
     command(3,
                SCHEDULED_TIME,\026T09:59:58\,FROM_REQUEST_START,
                VM_LOAD(20,"d:/seq/jm0082_JRM.abs")
            ),
 end;

request(JRM_001,
                START_TIME,2017-244T02:35:04.000,
                TITLE, "jm0081_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,2017-244T07:56:04.000,
                  TITLE, "jm0081_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,2017-244T07:58:47.000,
                  TITLE, "jm0081_JRM_StandBy",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,2)
            ),
         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
","POINT",-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,2017-244T07:58:59.000,
                  TITLE, "jm0081_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,2017-244T08:08:15.000,
                  TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
         command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
         command(11,
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                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_03_001_Approach_2017-244T08:08:15.000"\
             ),
 end;

request(JRM_006,
                  START_TIME,2017-244T10:36:18.000,
                  TITLE, "jm0081_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_I1_S1",10,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-12793,"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,\00:05:50\,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,\"Europa"\
             ),
 end;

request(JRM_007,
                  START_TIME,2017-244T10:42:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,36,5000,5000,"LOW","LOW
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","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-13035,"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,\00:04:17\,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,\"Europa"\
            ),
 end;

request(JRM_008,
                 START_TIME,2017-244T10:47:48.000,
                 TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,38,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-13281,"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,\00:04:17\,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,\"Europa"\
            ),
 end;

request(JRM_009,
                 START_TIME,2017-244T10:52:48.000,
                 TITLE, "jm0081_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,
```

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                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,38,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-13531,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_010,
                  START_TIME,2017-244T10:57:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,38,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-13784,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_011,
                  START_TIME,2017-244T11:02:48.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
```

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

JRM_SCI_PAR("SCI_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,39,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-14042,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_012,
                  START_TIME,2017-244T11:07:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,39,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-14304,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_013,
                  START_TIME,2017-244T11:12:48.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
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```
                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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-14570,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_014,
                  START_TIME,2017-244T11:17:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-14840,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_015,
                  START_TIME,2017-244T11:22:48.000,
```

```
                TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-15113,"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,\00:04:17\,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,\"Europa"\
            ),
 end;

request(JRM_016,
                START_TIME,2017-244T11:27:48.000,
                TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,42,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-15390,"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,\00:04:17\,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,\"Europa"\
            ),
 end;
```

```
request(JRM_017,
                  START_TIME,2017-244T11:32:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,42,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-15671,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_018,
                  START_TIME,2017-244T11:37:48.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,42,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-15955,"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,\00:04:17\,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,
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```
                TEXT,\"Europa"\
             ),
 end;

request(JRM_019,
                 START_TIME,2017-244T11:42:48.000,
                 TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-16243,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_020,
                 START_TIME,2017-244T11:47:48.000,
                 TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-16534,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_021,
                  START_TIME,2017-244T11:52:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-16828,"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,\00:04:17\,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,\"Europa"\
              ),
 end;

request(JRM_022,
                  START_TIME,2017-244T11:57:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-17125,"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,\00:04:17\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
```

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         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,\"Europa"\
             ),
 end;

request(JRM_023,
                  START_TIME,2017-244T12:02:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-17424,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_024,
                  START_TIME,2017-244T12:07:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-17727,"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,
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                SCHEDULED_TIME,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_025,
                  START_TIME,2017-244T12:12:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18032,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_026,
                  START_TIME,2017-244T12:17:47.000,
                  TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,47,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18339,"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,
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                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_027,
                   START_TIME,2017-244T12:22:47.000,
                   TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,47,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18648,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_028,
                   START_TIME,2017-244T12:27:47.000,
                   TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,46,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18959,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_029,
                   START_TIME,2017-244T12:32:47.000,
                   TITLE, "jm0081_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_I1_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,47,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-19271,"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,\00:04:17\,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,\"Europa"\
             ),
 end;

request(JRM_030,
                   START_TIME,2017-244T12:58:15.000,
                   TITLE, "jm0081_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"
,28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
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         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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_002_GoodPxMap_2017-244T12:58:15.000"\
             ),
 end;

request(JRM_031,
                  START_TIME,2017-244T13:03:15.000,
                  TITLE, "jm0081_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"
,28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
```

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            ),
         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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_003_GoodPxMap_2017-244T13:03:15.000"\
             ),
 end;

request(JRM_032,
                  START_TIME,2017-244T13:08:15.000,
                  TITLE, "jm0081_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"
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,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_004_GoodPxMap_2017-244T13:08:15.000"\
            ),
 end;

request(JRM_033,
                 START_TIME,2017-244T13:13:15.000,
                 TITLE, "jm0081_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,
```

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JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_005_GoodPxMap_2017-244T13:13:15.000"\
             ),
 end;

request(JRM_034,
                  START_TIME,2017-244T13:18:15.000,
                  TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_006_GoodPxMap_2017-244T13:18:15.000"\
             ),
 end;

request(JRM_035,
                  START_TIME,2017-244T13:23:15.000,
                  TITLE, "jm0081_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,
```

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                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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_007_GoodPxMap_2017-244T13:23:15.000"\
             ),
 end;

request(JRM_036,
                  START_TIME,2017-244T13:28:15.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
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         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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_008_GoodPxMap_2017-244T13:28:15.000"\
             ),
 end;

request(JRM_037,
                  START_TIME,2017-244T13:33:15.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
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            ),
         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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_009_GoodPxMap_2017-244T13:33:15.000"\
             ),
 end;

request(JRM_038,
                  START_TIME,2017-244T13:38:15.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
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                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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_010_GoodPxMap_2017-244T13:38:15.000"\
             ),
 end;

request(JRM_039,
                 START_TIME,2017-244T13:43:15.000,
                 TITLE, "jm0081_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
```

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                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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_011_GoodPxMap_2017-244T13:43:15.000"\
             ),
 end;

request(JRM_040,
                 START_TIME,2017-244T16:18:15.000,
                 TITLE, "jm0081_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(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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_012_Approach_2017-244T16:18:15.000"\
             ),
 end;

request(JRM_041,
                 START_TIME,2017-244T17:13:15.000,
                 TITLE, "jm0081_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
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                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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_013_Approach_2017-244T17:13:15.000"\
            ),
 end;

request(JRM_042,
                START_TIME,2017-244T17:58:15.000,
                TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_014_Approach_2017-244T17:58:15.000"\
              ),
 end;

request(JRM_043,
                 START_TIME,2017-244T18:28:15.000,
                 TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_015_Approach_2017-244T18:28:15.000"\
             ),
 end;

request(JRM_044,
                 START_TIME,2017-244T19:13:15.000,
```

```
                TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_016_Approach_2017-244T19:13:15.000"\
            ),
 end;

request(JRM_045,
```

```
                START_TIME,2017-244T19:43:15.000,
                TITLE, "jm0081_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"
,28991,5000,5000,"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"
,28991,5000,5000,"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"
,28991,5000,5000,"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_03_017_Approach_2017-244T19:43:15.000"\
            ),
 end;
```

```
request(JRM_046,
                  START_TIME,2017-244T19:50:15.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,2475)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,205,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-2623,"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,\00:14:07\,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_047,
                  START_TIME,2017-244T20:05:14.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,2475)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,227,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-2908,"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,\00:14:07\,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_048,
                  START_TIME,2017-244T20:19:44.000,
                  TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,198,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-1443,"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,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_049,
                  START_TIME,2017-244T20:24:44.000,
                  TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,260,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-1957,"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,\00:04:17\,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,\"N. Aurora"\
            ),
 end;

request(JRM_050,
                 START_TIME,2017-244T20:29:44.000,
                 TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,186,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2086,"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,\00:04:17\,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,\"N. Aurora"\
            ),
 end;

request(JRM_051,
                 START_TIME,2017-244T20:34:43.000,
                 TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,263,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2778,"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,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_052,
                 START_TIME,2017-244T20:39:43.000,
                 TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,156,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2973,"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,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_053,
                 START_TIME,2017-244T20:44:43.000,
                 TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,246,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3913,"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,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_054,
                  START_TIME,2017-244T20:49:43.000,
                  TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,92,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4226,"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,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_055,
                  START_TIME,2017-244T20:54:43.000,
                  TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,342,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-5499,"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()
```

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            ),
         command(5,
                SCHEDULED_TIME,\00:04:17\,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,\"N. Aurora"\
             ),
 end;

request(JRM_056,
                  START_TIME,2017-244T20:59:42.000,
                  TITLE, "jm0081_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",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,795,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4855,"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,\00:04:18\,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,\"N. Aurora"\
             ),
 end;

request(JRM_057,
                  START_TIME,2017-244T21:05:12.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-215,"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,\00:14:05\,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,\"Nadir"\
             ),
 end;

request(JRM_058,
                   START_TIME,2017-244T21:19:41.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         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",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-320,"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,\00:16:09\,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,\"Nadir"\
             ),
 end;

request(JRM_059,
                   START_TIME,2017-244T21:36:38.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",29,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-422,"NO_SUMMED_SCI")
            ),
         command(3,
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                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,\00:15:38\,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,\"Nadir"\
              ),
 end;

request(JRM_060,
                  START_TIME,2017-244T21:53:04.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",29,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-389,"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,\00:15:38\,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,\"Nadir"\
              ),
 end;

request(JRM_061,
                  START_TIME,2017-244T22:09:31.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",18,1,18,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
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,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-288,"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,\00:09:57\,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,\"Nadir"\
            ),
 end;

request(JRM_062,
                 START_TIME,2017-244T22:20:00.000,
                 TITLE, "jm0081_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",23,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",8583,"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,\00:12:33\,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,\"S. Aurora"\
            ),
 end;

request(JRM_063,
                 START_TIME,2017-244T22:32:59.000,
                 TITLE, "jm0081_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,
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                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",37,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,115,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-144,"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,\00:19:48\,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,\"S. Aurora"\
             ),
 end;

request(JRM_064,
                  START_TIME,2017-244T22:53:27.000,
                  TITLE, "jm0081_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",32,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,178,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4006,"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,\00:17:13\,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,\"S. Aurora"\
             ),
 end;

request(JRM_065,
                  START_TIME,2017-244T23:11:27.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
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                JRM_SET_PAR(74,0)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",14,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,197,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4644,"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,\00:07:54\,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,\"S. Aurora"\
             ),
 end;

request(JRM_066,
                  START_TIME,2017-244T23:19:56.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",3,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1140,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1971,"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,\00:02:13\,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 Pole"\
             ),
 end;

request(JRM_067,
                  START_TIME,2017-244T23:22:56.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
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                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,459,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-2190,"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,\00:04:17\,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 Pole"\
             ),
 end;

request(JRM_068,
                  START_TIME,2017-244T23:27:56.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,462,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-2353,"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,\00:04:17\,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 Pole"\
             ),
 end;

request(JRM_069,
                  START_TIME,2017-244T23:32:56.000,
```

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                TITLE, "jm0081_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
           ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,464,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-2433,"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,\00:04:17\,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 Pole"\
            ),
 end;

request(JRM_070,
                START_TIME,2017-244T23:37:56.000,
                TITLE, "jm0081_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
           ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,466,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-2454,"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,\00:03:46\,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 Pole"\
            ),
 end;
```

```
request(JRM_071,
                  START_TIME,2017-244T23:42:26.000,
                  TITLE, "jm0081_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",42,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,106,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4842,"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,\00:22:23\,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,\"S. Aurora"\
             ),
 end;

request(JRM_072,
                  START_TIME,2017-245T00:05:26.000,
                  TITLE, "jm0081_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",34,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,109,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4345,"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,\00:18:14\,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,\"S. Aurora"\
             ),
 end;

request(JRM_073,
                 START_TIME,2017-245T00:24:25.000,
                 TITLE, "jm0081_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",28,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,111,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3925,"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,\00:15:08\,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,\"S. Aurora"\
             ),
 end;

request(JRM_074,
                 START_TIME,2017-245T00:39:55.000,
                 TITLE, "jm0081_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",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,112,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3943,"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()
```

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

request(JRM_075,
                  START_TIME,2017-245T00:50:25.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,2475)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,151,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1921,"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,\00:14:07\,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_076,
                  START_TIME,2017-245T01:05:25.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,2475)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,142,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1810,"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()
             ),
```

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         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_077,
                  START_TIME,2017-245T01:20:25.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,135,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"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,\00:14:06\,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,\"Atm. Map"\
             ),
 end;

request(JRM_078,
                  START_TIME,2017-245T01:35:25.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,128,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1628,"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,
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                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,\"Atm. Map"\
             ),
 end;

request(JRM_079,
                  START_TIME,2017-245T01:50:25.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,122,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1553,"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,\"Atm. Map"\
             ),
 end;

request(JRM_080,
                  START_TIME,2017-245T02:05:24.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,116,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1485,"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,
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                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,\"Atm. Map"\
             ),
 end;

request(JRM_081,
                   START_TIME,2017-245T02:20:24.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,111,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1425,"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,\"Atm. Map"\
             ),
 end;

request(JRM_082,
                   START_TIME,2017-245T02:35:24.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,107,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1370,"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,\"Atm. Map"\
             ),
 end;

request(JRM_083,
                   START_TIME,2017-245T02:50:24.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,103,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1321,"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,\"Atm. Map"\
             ),
 end;

request(JRM_084,
                   START_TIME,2017-245T03:05:24.000,
                   TITLE, "jm0081_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,100,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1275,"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,\"Atm. Map"\
             ),
 end;

request(JRM_085,
                  START_TIME,2017-245T03:20:24.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,96,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1233,"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,\"Atm. Map"\
             ),
 end;

request(JRM_086,
                  START_TIME,2017-245T03:35:24.000,
                  TITLE, "jm0081_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

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JRM_SCI_PAR("SCI_I2_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,93,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1195,"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,\"Atm. Map"\
             ),
 end;

request(JRM_087,
                  START_TIME,2017-245T03:49:50.000,
                  TITLE, "jm0081_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_088,
                  START_TIME,2017-245T03:54:10.000,
                  TITLE, "jm0081_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_089,
                START_TIME,2017-245T03:54:26.000,
                TITLE, "jm0081_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")
        ),
             note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
             ),
 end;

request(JRM_090,
                START_TIME,2017-245T15:13:08.000,
                TITLE, "jm0081_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_091,
                START_TIME,2017-245T20:34:08.000,
                TITLE, "jm0081_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_092,
                START_TIME,2017-245T20:36:51.000,
                TITLE, "jm0081_JRM_StandBy",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
```

```
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,2)
           ),
        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
","POINT",-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_093,
                 START_TIME,2017-245T20:37:03.000,
                 TITLE, "jm0081_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_094,
                 START_TIME,2017-245T20:41:23.000,
                 TITLE, "jm0081_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_I1_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,16,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13570,"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,\"Ganymede"\
             ),
 end;

request(JRM_095,
                  START_TIME,2017-245T20:56:23.000,
                  TITLE, "jm0081_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_I1_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,16,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13499,"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,\"Ganymede"\
             ),
 end;

request(JRM_096,
                  START_TIME,2017-245T21:10:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13675,"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,\"Ganymede"\
             ),
 end;

request(JRM_097,
                  START_TIME,2017-245T21:20:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13627,"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,\"Ganymede"\
             ),
 end;

request(JRM_098,
                  START_TIME,2017-245T21:30:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13579,"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,\"Ganymede"\
             ),
 end;

request(JRM_099,
                  START_TIME,2017-245T21:40:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13532,"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,\"Ganymede"\
             ),
 end;

request(JRM_100,
                  START_TIME,2017-245T21:50:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13484,"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,\"Ganymede"\
             ),
 end;

request(JRM_101,
                  START_TIME,2017-245T22:00:53.000,
                  TITLE, "jm0081_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_I1_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13436,"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,\"Ganymede"\
             ),
 end;

request(JRM_102,
                  START_TIME,2017-245T22:10:53.000,
                  TITLE, "jm0081_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_I1_S1",3,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,103,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13422,"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,\00:02:13\,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,\"Ganymede"\
              ),
 end;

request(JRM_103,
                  START_TIME,2017-245T22:14:23.000,
                  TITLE, "jm0081_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_I1_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,28,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13126,"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,\"Ganymede"\
              ),
 end;

request(JRM_104,
```

```
                 START_TIME,2017-245T22:29:23.000,
                 TITLE, "jm0081_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_I1_S1",26,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,28,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",13054,"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,\"Ganymede"\
             ),
 end;

request(JRM_105,
                 START_TIME,2017-245T22:43:49.000,
                 TITLE, "jm0081_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_106,
                  START_TIME,2017-245T22:48:09.000,
                  TITLE, "jm0081_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_107,
                  START_TIME,2017-245T22:48:25.000,
                  TITLE, "jm0081_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
```