Publication Year	2018
Acceptance in OA@INAF	2023-02-07T14:52:47Z
Title	Juno JIRAM Report_jm0061
Authors	NOSCHESE, RAFFAELLA; CICCHETTI, ANDREA; SORDINI, Roberto; BECKER, HEIDI; MURA, Alessandro; et al.
Handle	http://hdl.handle.net/20.500.12386/33210

Juno
JIRAM

Report JM0061

JIR-IAPS-SY-006-2018
Version 1.0

January 12, 2018

Prepared by:
R. Noschese, A. Cicchetti, R. Sordini, H. N. Becker, A. Mura , S. Brooks

Approved by:
A. Adriani

Table of Contents

1 INTRODUCTION 3
2 REFERENCES 3
3 ACTIVITY DESCRIPTION 3
4 RADIATIONS ACQUISITION 5
5 SCIENTIFIC GOALS 5
6 DATA COLLECTION OVERWIER 8
A.1 Commanding file (sasf) 11

List of Figures

Figure 1: ***Poles Coverage - Imager filter L.*** 4
Figure 2. ***Poles Coverage - Imager filter M.*** 4
Figure 3. Atmospheric Mapping: Hot Spots – - ***Imager filter M.*** 5

List of Tables

Table 1: Scientific Goals 8
Table 2: Data Overwier 10

1 INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0061 (PJ6), 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 PJ6 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 Io, Ganymede and Callisto have also been done (not reported in the figures).

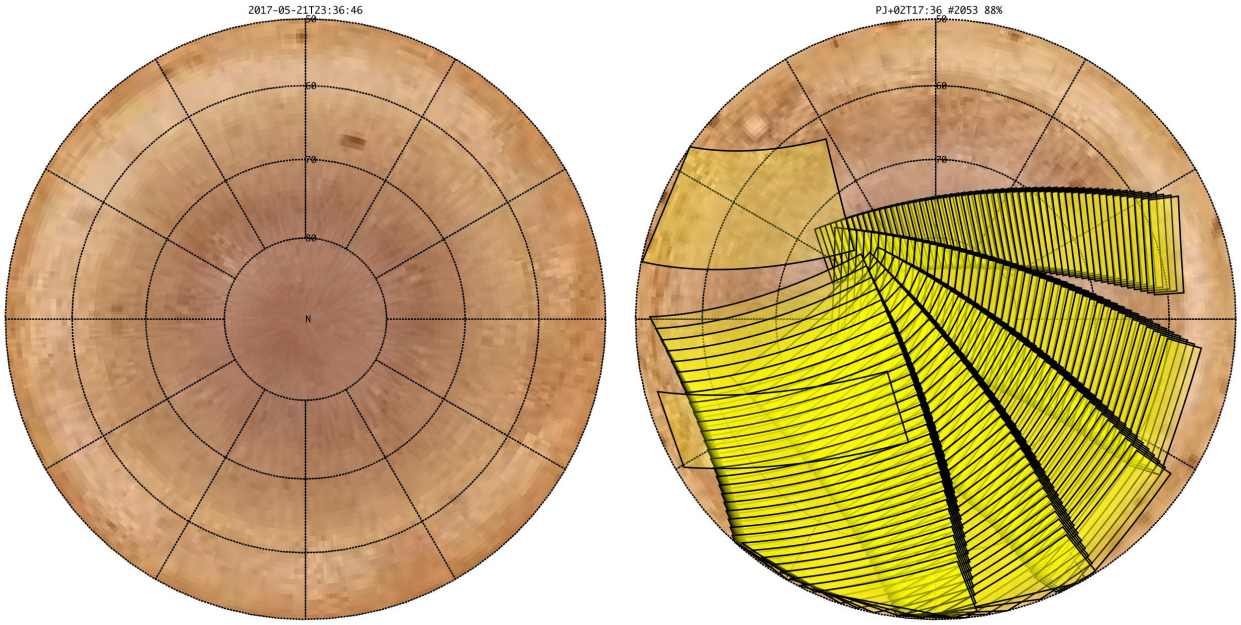

Figure 1: ***Poles Coverage - Imager filter L.***

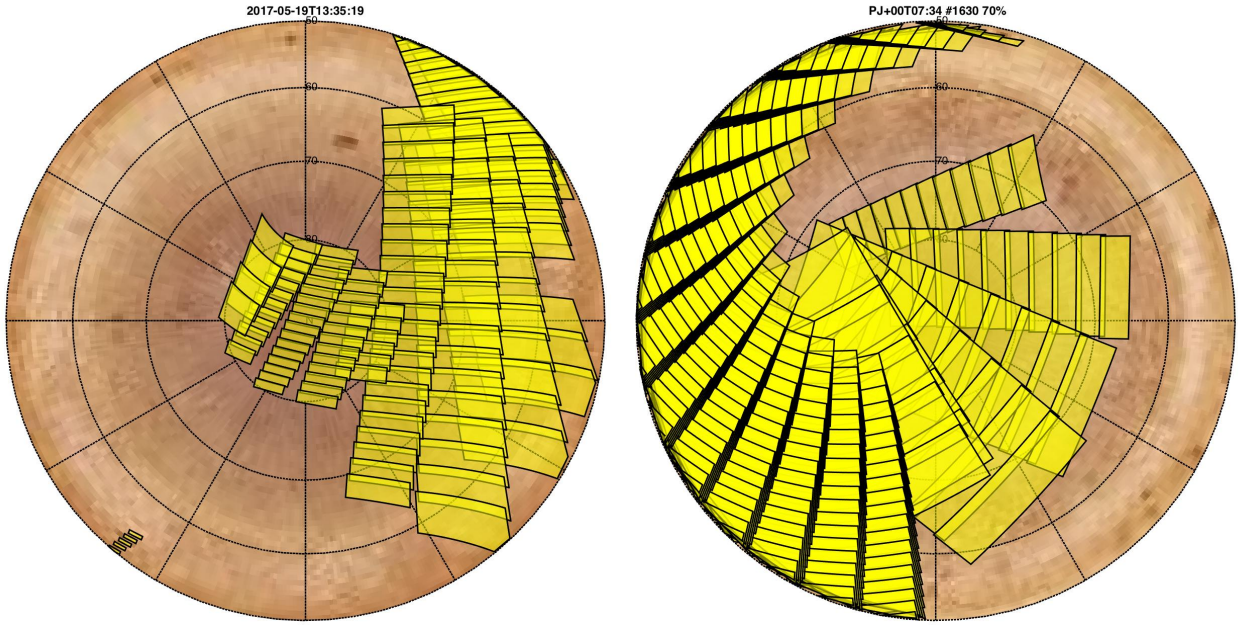

Figure 2. ***Poles Coverage - Imager filter M.***

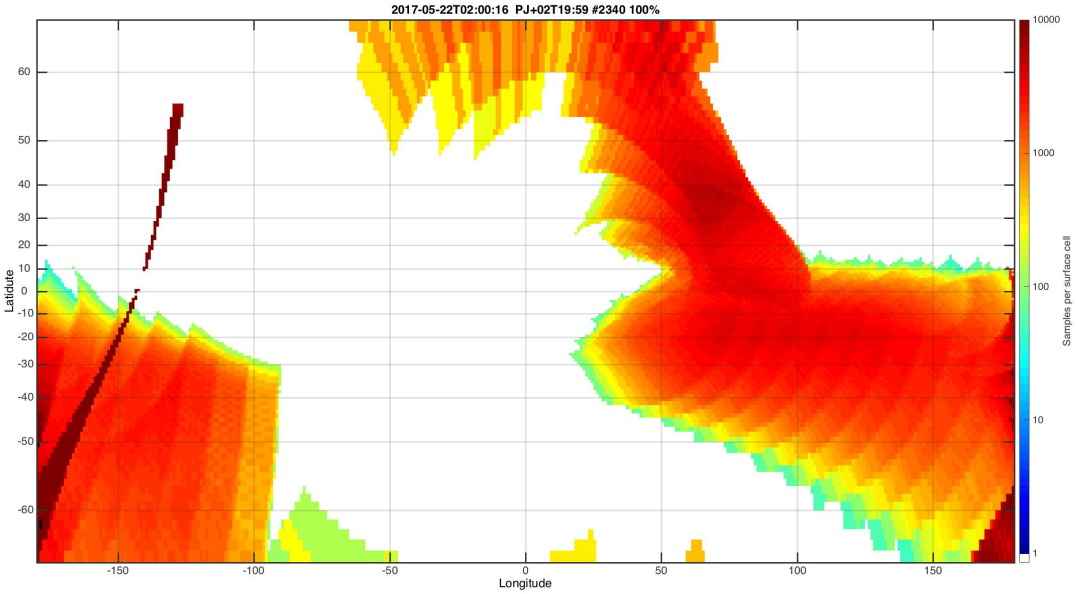

Figure 3. Atmospheric Mapping: Hot Spots – - *Imager filter M.*

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, the inner synchrotron emission region, and the northern polar region.

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_2017138T062623_V01.CSV" in the INDEX directory.

JRM (sasf)	Operative Mode	Goals
JRM_003	CAL_I1_S1	CALIBRATION
JRM_004	SCI_I1_S1	IO
JRM_005	SCI_I1_S1	IO
JRM_006	SCI_I1_S1	IO
JRM_007	SCI_I1_S1	IO

JRM_008	SCI_I1_S1	IO
JRM_009	SCI_I1_S1	IO
From JRM_011 to JRM_015	SCI_I1_S0	RADIATION
JRM_016	SCI_I1_S1	GANYMEDE
JRM_017	SCI_I1_S1	GANYMEDE
JRM_018	SCI_I1_S1	GANYMEDE
JRM_019	SCI_I1_S1	GANYMEDE
JRM_020	SCI_I1_S1	GANYMEDE
JRM_021	SCI_I1_S1	GANYMEDE
JRM_022	SCI_I1_S1	GANYMEDE
JRM_023	SCI_I1_S1	GANYMEDE
JRM_024	SCI_I1_S1	GANYMEDE
JRM_025	SCI_I1_S1	GANYMEDE
JRM_026	SCI_I1_S1	GANYMEDE
JRM_027	SCI_I1_S1	GANYMEDE
From JRM_028 to JRM_038	SCI_I1_S0	RADIATION
JRM_039	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_040	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_041	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_042	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_043	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_044	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_046	SCI_I1_S0	RADIATION
JRM_047	SCI_I2_S1	NORTH POLE
JRM_048	SCI_I2_S1	NORTH POLE
JRM_049	SCI_I2_S1	NORTH POLE
JRM_050	SCI_I2_S1	NORTH POLE
JRM_051	SCI_I2_S1	NORTH POLE
JRM_052	SCI_I1_S0	RADIATION
JRM_053	SCI_I2_S1	NORTH POLE
JRM_054	SCI_I2_S1	NORTH POLE
JRM_055	SCI_I2_S1	NORTH POLE
JRM_056	SCI_I2_S1	NORTH POLE
JRM_057	SCI_I2_S1	NORTH POLE
JRM_059	SCI_I1_S0	RADIATION
JRM_060	SCI_I1_S0	RADIATION
JRM_061	SCI_I2_S1	NADIR
JRM_063	SCI_I1_S0	RADIATION
JRM_064	SCI_I1_S0	RADIATION
JRM_065	SCI_I2_S1	SOUTH POLE
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_I2_S1	SOUTH POLE
JRM_072	SCI_I2_S1	SOUTH POLE
JRM_073	SCI_I2_S1	SOUTH POLE
JRM_074	SCI_I2_S1	SOUTH POLE
JRM_075	SCI_I2_S1	SOUTH POLE
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	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_088	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_089	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_090	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_091	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_092	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_093	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_094	SCI_I1_S1	IO
JRM_095	SCI_I1_S1	IO
JRM_096	SCI_I1_S1	IO
JRM_097	SCI_I1_S1	IO
JRM_098	SCI_I1_S1	IO
JRM_099	SCI_I1_S1	IO
JRM_105	CAL_I1_S1	CALIBRATION
JRM_106	SCI_I1_S1	IO
JRM_107	SCI_I1_S1	IO
JRM_108	SCI_I1_S1	IO
JRM_109	SCI_I1_S1	IO
JRM_110	SCI_I1_S1	IO
JRM_111	SCI_I1_S1	IO
JRM_112	SCI_I1_S1	IO
JRM_113	SCI_I1_S1	IO
JRM_114	SCI_I1_S1	IO
JRM_115	CAL_I1_S1	CALIBRATION
JRM_121	CAL_I1_S1	CALIBRATION
JRM_122	SCI_I1_S1	CALLISTO
JRM_123	SCI_I1_S1	CALLISTO
JRM_124	SCI_I1_S1	CALLISTO
JRM_125	SCI_I1_S1	CALLISTO
JRM_126	SCI_I1_S1	CALLISTO
JRM_127	SCI_I1_S1	CALLISTO
JRM_128	SCI_I1_S1	CALLISTO
JRM_129	SCI_I1_S1	CALLISTO
JRM_130	SCI_I1_S1	CALLISTO
JRM_131	SCI_I1_S1	CALLISTO
JRM_132	SCI_I1_S1	CALLISTO
JRM_133	SCI_I1_S1	CALLISTO
JRM_134	SCI_I1_S1	CALLISTO

JRM_135	SCI_I1_S1	CALLISTO
JRM_136	SCI_I1_S1	CALLISTO
JRM_137	SCI_I1_S1	CALLISTO
JRM_138	SCI_I1_S1	CALLISTO
JRM_139	SCI_I1_S1	CALLISTO
JRM_140	CAL_I1_S1	CALIBRATION

Table 1: Scientific Goals

6 DATA COLLECTION OVERWIER

Below a table that give an overwier of the data collected during the activity period JM0061. 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_003	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0
JRM_004	SCI_I1_S1	20 IMG, 20 SPE	240	240	0	0
JRM_005	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_006	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_007	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_008	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_009	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
From JRM_011 to JRM_015	SCI_I1_S0	15 IMG	90	90	N/A	0
JRM_016	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_017	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_018	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_019	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_020	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_021	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_022	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_023	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_024	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_025	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_026	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_027	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
From JRM_028 to JRM_038	SCI_I1_S0	22 IMG	198	198	0	0
JRM_039	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_040	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0

JRM_041	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_042	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_043	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_044	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_046	SCI_I1_S0	1 IMG	6	6	0	0
JRM_047	SCI_I2_S1	6 IMG, 6 SPE	54	54	0	0
JRM_048	SCI_I2_S1	13 IMG, 13 SPE	117	117	N/A	0
JRM_049	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_050	SCI_I2_S1	17 IMG, 17 SPE				
JRM_052	SCI_I1_S0	1 IMG	6	6	N/A	0
JRM_053	SCI_I2_S1	3 IMG, 3 SPE	27	27	0	0
JRM_054	SCI_I2_S1	13 IMG, 13 SPE	117	117	0	0
JRM_055	SCI_I2_S1	16 IMG, 16 SPE	144	144	0	0
JRM_056	SCI_I2_S1	12 IMG, 12 SPE	108	108	0	0
JRM_057	SCI_I2_S1	2 IMG, 2 SPE	18	18		
From JRM_059- To JRM_060	SCI_I1_S0	4 IMG	24	24	0	0
JRM_061	SCI_I2_S1	90 IMG, 90 SPE	810	810	0	0
From JRM_063- to JRM_064	SCI_I1_S0	6 IMG	36	36	0	0
JRM_065	SCI_I3_S1	31 IMG, 31 SPE	279	279	0	0
JRM_066	SCI_I2_S1	18 IMG, 18 SPE	162	162	0	0
JRM_067	SCI_I3_S1	63 IMG, 63 SPE	567	567	0	0
JRM_068	SCI_I2_S1	13 IMG, 13 SPE	153	153	0	0
JRM_069	SCI_I3_S1	53 IMG, 53 SPE	477	477	0	0
JRM_070	SCI_I2_S1	9 IMG, 9 SPE	81	81	0	0
JRM_071	SCI_I3_S1	48 IMG, 48 SPE	153	153	0	0
JRM_072	SCI_I2_S1	7 IMG, 7 SPE	63	63	0	0
JRM_073	SCI_I3_S1	48 IMG, 48 SPE	432	432	0	0
JRM_074	SCI_I2_S1	3 IMG, 3 SPE	27	27	0	0
JRM_075	SCI_I3_S1	17 IMG, 17 SPE	153	153	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	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_088	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_089	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_090	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_091	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_092	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_093	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_094	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_095	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_096	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_097	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0

JRM_098	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_099	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_105	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0
JRM_106	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_107	SCI_I2_S1	17 IMG, 17 SPE	204	204	0	0
JRM_108	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_109	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_110	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_111	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_112	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_113	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_114	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_115	CAL_I1_S1	6 IMG, 6 SPE	72	72		
JRM_121	CAL_I1_S1	6 IMG, 6 SPE	72	72		
JRM_122	SCI_I1_S1	17 IMG, 17 SPE	153	153	0	0
JRM_123	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_124	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_125	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_126	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_127	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_128	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_129	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_130	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_131	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_132	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_133	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_134	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_135	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_136	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_137	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_138	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_139	SCI_I1_S1	4 IMG, 4 SPE	48	48	0	0
JRM_140	CAL_I1_S1	6 IMG, 6 SPE	66	72	1	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 = jm0061_JRMa.sasf;
APPLICABLE_START_TIME = 2017-138T06:00:00.000;
APPLICABLE_STOP_TIME = 2017-166T00:00:00.000;
PRODUCT_CREATION_TIME = 2017-109T12:44:44.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0061_JRMa;
HOST_ID = JRM_CMD_061_061_V08.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M01300000001;
$$JNO         SPACECRAFT ACTIVITY SEQUENCE FILE
************************************************************
*PROJECT    JNO
*SPACECRAFT 61
*OPERATOR   JRMTEAM
*FILE_CMPLT TRUE
*DATE       Wed Apr 19 12:44:44 2017
*BEGIN      2017-138T06:00:00.000
*CUTOFF     2017-166T00:00:00.000
*TITLE      jm0061_JRMa
*EPOCHS_DEF
*jm0061_JRM,      2017-138T06:00:00.000
*EPOCHS_END
*Input files used:
*File Type  Last modified            File name
*PACKETS_NUMBER  21138
************************************************************
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
               START_TIME,2017-138T06:00:00.000,
               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","jm0061_JRM","jm0061_JRM.abs","d:/seq")
            ),
     command(2,
                SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
                FILE_DELETE("d:/seq/jm0061_JRM.abs")
            ),
     command(3,
                SCHEDULED_TIME,\027T17:59:58\,FROM_REQUEST_START,
                VM_LOAD(20,"d:/seq/jm0062_JRM.abs")
            ),
 end;

request(JRM_001,
                START_TIME,2017-138T06:22:31.000,
                TITLE, "jm0061_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_002,
                  START_TIME,2017-138T06:25:14.000,
                  TITLE, "jm0061_JRM_StandBy",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                  JRM_SET_PAR(111,10)
             ),
          command(2,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_STANDBY("ON","ON","ON")
             ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW
","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_003,
                  START_TIME,2017-138T06:25:26.000,
                  TITLE, "jm0061_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_004,
                  START_TIME,2017-138T06:29:57.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,1665)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-368,"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,\00:10:39\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
          command(6,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_STOP_HS_REC()
             ),
              note(1,
                   SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                   TEXT,\"Io"\
              ),
 end;

request(JRM_005,
                  START_TIME,2017-138T06:41:27.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
          command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,1665)
             ),
          command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-410,"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,\00:09:09\,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,\"Io"\
            ),
 end;

request(JRM_006,
                START_TIME,2017-138T06:51:27.000,
                TITLE, "jm0061_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-454,"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,\00:09:09\,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,\"Io"\
            ),
 end;

request(JRM_007,
                START_TIME,2017-138T07:01:27.000,
                TITLE, "jm0061_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-498,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_008,
                  START_TIME,2017-138T07:11:27.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-544,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_009,
                  START_TIME,2017-138T07:21:27.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-591,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_010,
                   START_TIME,2017-138T07:31:02.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\""\
             ),
 end;

request(JRM_011,
                   START_TIME,2017-138T07:31:15.000,
                   TITLE, "jm0061_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_06_001_GoodPxMap_2017-138T07:31:15.000"\
            ),
 end;

request(JRM_012,
                 START_TIME,2017-138T07:36:15.000,
                 TITLE, "jm0061_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_06_002_GoodPxMap_2017-138T07:36:15.000"\
             ),
 end;

request(JRM_013,
                 START_TIME,2017-138T07:41:15.000,
                 TITLE, "jm0061_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_06_003_GoodPxMap_2017-138T07:41:15.000"\
             ),
 end;

request(JRM_014,
                  START_TIME,2017-138T07:46:15.000,
                  TITLE, "jm0061_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_06_004_GoodPxMap_2017-138T07:46:15.000"\
             ),
 end;

request(JRM_015,
                  START_TIME,2017-138T07:51:15.000,
                  TITLE, "jm0061_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_06_005_GoodPxMap_2017-138T07:51:15.000"\
             ),
 end;

request(JRM_016,
                   START_TIME,2017-138T11:31:27.000,
                   TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,21,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-17489,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_017,
                   START_TIME,2017-138T11:41:27.000,
                   TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-17862,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_018,
                 START_TIME,2017-138T11:51:27.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18240,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;
```

```
request(JRM_019,
                  START_TIME,2017-138T12:01:27.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-18623,"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,\00:09:09\,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,\"Ganymede"\
              ),
 end;

request(JRM_020,
                  START_TIME,2017-138T12:11:27.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-19010,"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,\00:09:09\,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,\"Ganymede"\
```

```
            ),
 end;

request(JRM_021,
                  START_TIME,2017-138T12:21:27.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-19402,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_022,
                  START_TIME,2017-138T12:31:27.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-19799,"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,\00:09:09\,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,\"Ganymede"\
            ),
 end;

request(JRM_023,
                 START_TIME,2017-138T12:41:27.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-20199,"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,\00:09:09\,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,\"Ganymede"\
            ),
 end;

request(JRM_024,
                 START_TIME,2017-138T12:51:27.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-20602,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_025,
                 START_TIME,2017-138T13:01:27.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-21008,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_026,
                 START_TIME,2017-138T13:11:27.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-21417,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_027,
                  START_TIME,2017-138T13:21:27.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,25,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-21828,"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,\00:09:09\,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,\"Ganymede"\
             ),
 end;

request(JRM_028,
                  START_TIME,2017-138T16:28:15.000,
                  TITLE, "jm0061_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_06_006_DarkFrames_2017-138T16:28:15.000"\
             ),
 end;

request(JRM_029,
                  START_TIME,2017-138T20:08:15.000,
                  TITLE, "jm0061_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_06_007_Aproach_2017-138T20:08:15.000"\
             ),
 end;

request(JRM_030,
                  START_TIME,2017-138T20:28:15.000,
                  TITLE, "jm0061_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_06_008_Approach_2017-138T20:28:15.000"\
             ),
 end;

request(JRM_031,
                 START_TIME,2017-138T20:58:15.000,
                 TITLE, "jm0061_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_06_009_Approach_2017-138T20:58:15.000"\
             ),
 end;

request(JRM_032,
                 START_TIME,2017-138T21:28:15.000,
                 TITLE, "jm0061_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_06_010_Approach_2017-138T21:28:15.000"\
             ),
 end;

request(JRM_033,
                  START_TIME,2017-138T22:28:15.000,
                  TITLE, "jm0061_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_06_011_Approach_2017-138T22:28:15.000"\
             ),
 end;

request(JRM_034,
                  START_TIME,2017-138T23:28:15.000,
                  TITLE, "jm0061_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_06_012_Approach_2017-138T23:28:15.000"\
             ),
 end;

request(JRM_035,
                  START_TIME,2017-138T23:58:15.000,
                  TITLE, "jm0061_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_06_013_Approach_2017-138T23:58:15.000"\
              ),
 end;

request(JRM_036,
                  START_TIME,2017-139T00:28:15.000,
                  TITLE, "jm0061_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_06_014_Approach_2017-139T00:28:15.000"\
             ),
 end;

request(JRM_037,
                  START_TIME,2017-139T00:58:15.000,
                  TITLE, "jm0061_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_06_015_GFP_2017-139T00:58:15.000"\
             ),
 end;

request(JRM_038,
                  START_TIME,2017-139T01:14:45.000,
                  TITLE, "jm0061_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_06_016_GFP_2017-139T01:14:45.000"\
             ),
 end;

request(JRM_039,
                  START_TIME,2017-139T03:02:24.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,151,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-1889,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_040,
                  START_TIME,2017-139T03:17:24.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,161,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-2018,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:40\,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_041,
                  START_TIME,2017-139T03:32:24.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
```

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

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,174,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-2169,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:40\,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_042,
                  START_TIME,2017-139T03:47:23.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,188,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-2350,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:40\,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_043,
                  START_TIME,2017-139T04:02:23.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
```

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

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,205,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-2572,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:40\,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_044,
                   START_TIME,2017-139T04:17:23.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2470)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,227,60,5000,"LOW","LO
W","POINT",-57343,60,5000,"LOW","LOW","SPIN",-2848,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:40\,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_045,
                   START_TIME,2017-139T04:31:23.000,
                   TITLE, "jm0061_JRM_Science",
```

```
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
           ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\""\
            ),
 end;

request(JRM_046,
                START_TIME,2017-139T04:31:27.000,
                TITLE, "jm0061_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_STOP_HS_REC()
           ),
        command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
           ),
        command(8,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
           ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_06_017_PolarRegion_2017-139T04:31:26.000"\
            ),
 end;

request(JRM_047,
                START_TIME,2017-139T04:33:22.000,
                TITLE, "jm0061_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",6,1,6,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,707,50,5000,"LOW","LOW"
```

```
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1355,"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,\00:03:39\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
           ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
           ),
            note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"North Pole 1"\
            ),
 end;

request(JRM_048,
                 START_TIME,2017-139T04:37:52.000,
                 TITLE, "jm0061_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",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,433,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",372,"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,\00:07:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
           ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
           ),
            note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"North Pole 1"\
            ),
 end;

request(JRM_049,
                 START_TIME,2017-139T04:45:52.000,
                 TITLE, "jm0061_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",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,415,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-986,"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,\00:10:41\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole 1"\
             ),
 end;

request(JRM_050,
                  START_TIME,2017-139T04:57:21.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,381,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-3357,"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,\00:09:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole 1"\
             ),
 end;

request(JRM_051,
                  START_TIME,2017-139T05:06:51.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
```

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

request(JRM_052,
                  START_TIME,2017-139T05:06:55.000,
                  TITLE, "jm0061_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_STOP_HS_REC()
            ),
         command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
         command(8,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"Radiation_Sequence_06_018_PolarRegion_2017-139T05:06:54.000"\
             ),
 end;

request(JRM_053,
                  START_TIME,2017-139T05:08:51.000,
                  TITLE, "jm0061_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",0,860,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",771,"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,\00:02:09\,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,\"North Pole 2"\
             ),
 end;

request(JRM_054,
                   START_TIME,2017-139T05:11:51.000,
                   TITLE, "jm0061_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",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,293,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1660,"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,\00:07:09\,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,\"North Pole 2"\
             ),
 end;

request(JRM_055,
                   START_TIME,2017-139T05:19:50.000,
                   TITLE, "jm0061_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",16,1,16,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,168,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-5523,"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,\00:08:39\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole 2"\
             ),
 end;

request(JRM_056,
                  START_TIME,2017-139T05:29:19.000,
                  TITLE, "jm0061_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",12,1,12,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-10429,"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,\00:06:39\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole 2"\
             ),
 end;

request(JRM_057,
                  START_TIME,2017-139T05:36:48.000,
                  TITLE, "jm0061_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",2,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW","
POINT",-57343,50,5000,"LOW","LOW","SPIN",-13847,"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,\00:01:38\,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,\"North Pole 2"\
             ),
 end;

request(JRM_058,
                   START_TIME,2017-139T05:38:46.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\""\
             ),
 end;

request(JRM_059,
                   START_TIME,2017-139T05:38:50.000,
                   TITLE, "jm0061_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_STOP_HS_REC()
            ),
```

```
         command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
         command(8,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"Radiation_Sequence_06_019_ProfileSyncRegion_2017-139T05:38:49.000"\
             ),
 end;

request(JRM_060,
                  START_TIME,2017-139T05:40:59.000,
                  TITLE, "jm0061_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_06_020_InnerEdgeNlobe_2017-139T05:40:59.000"\
             ),
 end;

request(JRM_061,
                  START_TIME,2017-139T05:45:17.000,
                  TITLE, "jm0061_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",90,1,45,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",0,"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,\00:45:38\,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_062,
                  START_TIME,2017-139T06:31:15.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\""\
             ),
 end;

request(JRM_063,
                  START_TIME,2017-139T06:31:19.000,
                  TITLE, "jm0061_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_06_021_ProfileSycRegion_2017-139T06:31:18.000"\
              ),
 end;

request(JRM_064,
                 START_TIME,2017-139T06:35:48.000,
                 TITLE, "jm0061_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_06_022_OutboundSync_2017-139T06:35:48.000"\
             ),
 end;

request(JRM_065,
                 START_TIME,2017-139T06:40:07.000,
```

```
                TITLE, "jm0061_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",31,1,31,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,37,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3478,"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,\"S. Pole"\
            ),
 end;

request(JRM_066,
                START_TIME,2017-139T06:57:06.000,
                TITLE, "jm0061_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",0,361,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1767,"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,\00:09:40\,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. Pole"\
            ),
 end;
```

```
request(JRM_067,
                  START_TIME,2017-139T07:07:36.000,
                  TITLE, "jm0061_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",63,1,32,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3375,"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,\00:32:09\,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,\"S. Pole"\
             ),
 end;

request(JRM_068,
                  START_TIME,2017-139T07:40:35.000,
                  TITLE, "jm0061_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",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,409,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-3533,"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,\00:07:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                TEXT,\"S. Pole"\
             ),
 end;

request(JRM_069,
                 START_TIME,2017-139T07:48:34.000,
                 TITLE, "jm0061_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",53,1,27,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,24,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3440,"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,\00:27:09\,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,\"S. Pole"\
             ),
 end;

request(JRM_070,
                 START_TIME,2017-139T08:16:34.000,
                 TITLE, "jm0061_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",9,1,9,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,410,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-3117,"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,\00:05:09\,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,\"S. Pole"\
             ),
 end;

request(JRM_071,
                  START_TIME,2017-139T08:22:34.000,
                  TITLE, "jm0061_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",48,1,48,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,31,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3217,"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,\00:24:39\,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. Pole"\
              ),
 end;

request(JRM_072,
                  START_TIME,2017-139T08:48:04.000,
                  TITLE, "jm0061_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",0,402,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-2576,"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,\00:04:09\,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,\"S. Pole"\
             ),
 end;

request(JRM_073,
                  START_TIME,2017-139T08:53:03.000,
                  TITLE, "jm0061_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",48,1,48,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,52,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3143,"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,\00:24:39\,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. Pole"\
             ),
 end;

request(JRM_074,
                  START_TIME,2017-139T09:18:33.000,
                  TITLE, "jm0061_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",0,389,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1783,"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,\00:02:09\,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,\"S. Pole"\
             ),
 end;

request(JRM_075,
                  START_TIME,2017-139T09:21:33.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",0,"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,\00:09:08\,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. Pole"\
             ),
 end;

request(JRM_076,
                  START_TIME,2017-139T09:32:03.000,
                  TITLE, "jm0061_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",0,135,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1680,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_077,
                   START_TIME,2017-139T09:47:03.000,
                   TITLE, "jm0061_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",0,128,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1595,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T10:02:03.000,
                   TITLE, "jm0061_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",0,122,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1521,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
```

```
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T10:17:03.000,
                   TITLE, "jm0061_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",0,116,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1454,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T10:32:03.000,
                   TITLE, "jm0061_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",0,111,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1394,"NO_SUMMED_SCI")
            ),
```

```
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T10:47:03.000,
                  TITLE, "jm0061_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",0,107,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1340,"NO_SUMMED_SCI")
             ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T11:02:02.000,
                  TITLE, "jm0061_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",0,103,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1290,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T11:17:02.000,
                   TITLE, "jm0061_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",0,100,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1245,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T11:32:02.000,
                   TITLE, "jm0061_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",0,96,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1203,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T11:47:02.000,
                  TITLE, "jm0061_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",0,93,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1165,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T12:02:02.000,
                  TITLE, "jm0061_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",0,90,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1130,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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,2017-139T12:17:02.000,
                  TITLE, "jm0061_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",0,88,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1097,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_088,
                  START_TIME,2017-139T12:32:02.000,
                  TITLE, "jm0061_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",0,86,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1066,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_089,
                  START_TIME,2017-139T12:47:02.000,
                  TITLE, "jm0061_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",0,84,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1038,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_090,
```

```
                 START_TIME,2017-139T13:02:02.000,
                 TITLE, "jm0061_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",0,81,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1011,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_091,
                 START_TIME,2017-139T13:17:02.000,
                 TITLE, "jm0061_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",0,79,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-986,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:13:39\,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_092,
                  START_TIME,2017-139T13:32:02.000,
                  TITLE, "jm0061_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",0,77,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-962,"NO_SUMMED_SCI")
             ),
          command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
             ),
          command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
          command(5,
                 SCHEDULED_TIME,\00:13:39\,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_093,
                  START_TIME,2017-139T13:47:02.000,
                  TITLE, "jm0061_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",0,75,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-940,"NO_SUMMED_SCI")
             ),
          command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
             ),
          command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
             ),
          command(5,
                 SCHEDULED_TIME,\00:13:39\,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_094,
                START_TIME,2017-139T15:01:32.000,
                TITLE, "jm0061_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,7,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-5065,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_095,
                START_TIME,2017-139T15:11:32.000,
                TITLE, "jm0061_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,7,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-4988,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_096,
                  START_TIME,2017-139T15:21:32.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,7,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-4911,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_097,
                  START_TIME,2017-139T15:31:32.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,6,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-4834,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_098,
                  START_TIME,2017-139T15:41:32.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,6,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-4758,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_099,
                  START_TIME,2017-139T15:51:32.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,6,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-4682,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_100,
                  START_TIME,2017-139T16:01:01.000,
                  TITLE, "jm0061_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_101,
                  START_TIME,2017-139T16:01:17.000,
                  TITLE, "jm0061_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_102,
                  START_TIME,2017-140T00:33:16.000,
                  TITLE, "jm0061_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_103,
                START_TIME,2017-140T05:54:16.000,
                TITLE, "jm0061_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_104,
                START_TIME,2017-140T05:56:59.000,
                TITLE, "jm0061_JRM_StandBy",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,10)
           ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STANDBY("ON","ON","ON")
           ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW
","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_105,
                START_TIME,2017-140T05:57:11.000,
                TITLE, "jm0061_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,2017-140T06:01:31.000,
                 TITLE, "jm0061_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,6,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2306,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_107,
                 START_TIME,2017-140T06:11:31.000,
                 TITLE, "jm0061_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2364,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_108,
                  START_TIME,2017-140T06:21:31.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2419,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_109,
                  START_TIME,2017-140T06:31:31.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2473,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_110,
                   START_TIME,2017-140T06:41:31.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2525,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_111,
                   START_TIME,2017-140T06:51:31.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2574,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_112,
                   START_TIME,2017-140T07:01:30.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2622,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_113,
                   START_TIME,2017-140T07:11:30.000,
                   TITLE, "jm0061_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2667,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_114,
                  START_TIME,2017-140T07:21:30.000,
                  TITLE, "jm0061_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,1667,5000,"LOW","LO
W","POINT",-57343,1667,5000,"LOW","LOW","SPIN",2710,"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,\00:09:09\,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,\"Io"\
             ),
 end;

request(JRM_115,
                  START_TIME,2017-140T07:30:59.000,
                  TITLE, "jm0061_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_116,
                  START_TIME,2017-140T07:35:19.000,
                  TITLE, "jm0061_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_117,
                  START_TIME,2017-140T07:35:35.000,
                  TITLE, "jm0061_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_118,
                  START_TIME,2017-141T17:33:14.000,
                  TITLE, "jm0061_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_119,
                  START_TIME,2017-141T22:54:14.000,
                  TITLE, "jm0061_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_120,
                  START_TIME,2017-141T22:56:57.000,
                  TITLE, "jm0061_JRM_StandBy",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,10)
           ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STANDBY("ON","ON","ON")
           ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW
","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_121,
                  START_TIME,2017-141T22:57:09.000,
                  TITLE, "jm0061_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_122,
                   START_TIME,2017-141T23:01:29.000,
                   TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10395,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_123,
                   START_TIME,2017-141T23:11:29.000,
                   TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10378,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_124,
                  START_TIME,2017-141T23:21:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10361,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_125,
                  START_TIME,2017-141T23:31:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10344,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_126,
                  START_TIME,2017-141T23:41:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10327,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_127,
                  START_TIME,2017-141T23:51:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10311,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_128,
                  START_TIME,2017-142T00:01:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10294,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_129,
                  START_TIME,2017-142T00:11:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10277,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_130,
                  START_TIME,2017-142T00:21:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10260,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_131,
                  START_TIME,2017-142T00:31:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10243,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_132,
                 START_TIME,2017-142T00:41:29.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10226,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_133,
```

```
                 START_TIME,2017-142T00:51:29.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10209,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_134,
                 START_TIME,2017-142T01:01:29.000,
                 TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10191,"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,\00:09:09\,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,\"Callisto"\
             ),
```

```
 end;

request(JRM_135,
                  START_TIME,2017-142T01:11:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10174,"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,\00:09:09\,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,\"Callisto"\
              ),
 end;

request(JRM_136,
                  START_TIME,2017-142T01:21:29.000,
                  TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10157,"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,\00:09:09\,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,\"Callisto"\
            ),
 end;

request(JRM_137,
                START_TIME,2017-142T01:31:29.000,
                TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10140,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_138,
                START_TIME,2017-142T01:41:29.000,
                TITLE, "jm0061_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",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",10123,"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,\00:09:09\,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,\"Callisto"\
             ),
 end;

request(JRM_139,
                  START_TIME,2017-142T01:51:29.000,
                  TITLE, "jm0061_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",4,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,5,5000,5000,"LOW","LOW"
,"POINT",-57343,5000,5000,"LOW","LOW","SPIN",10106,"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,\00:02:39\,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,\"Callisto"\
             ),
 end;

request(JRM_140,
                  START_TIME,2017-142T01:54:28.000,
                  TITLE, "jm0061_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_141,
                  START_TIME,2017-142T01:58:48.000,
                  TITLE, "jm0061_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_142,
                  START_TIME,2017-142T01:59:04.000,
                  TITLE, "jm0061_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
```