Juno
JIRAM

Report JM0071

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1 INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0071 (PJ7), 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 PJ7 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 Northern 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 and Callisto have also been done (not reported in the figures).

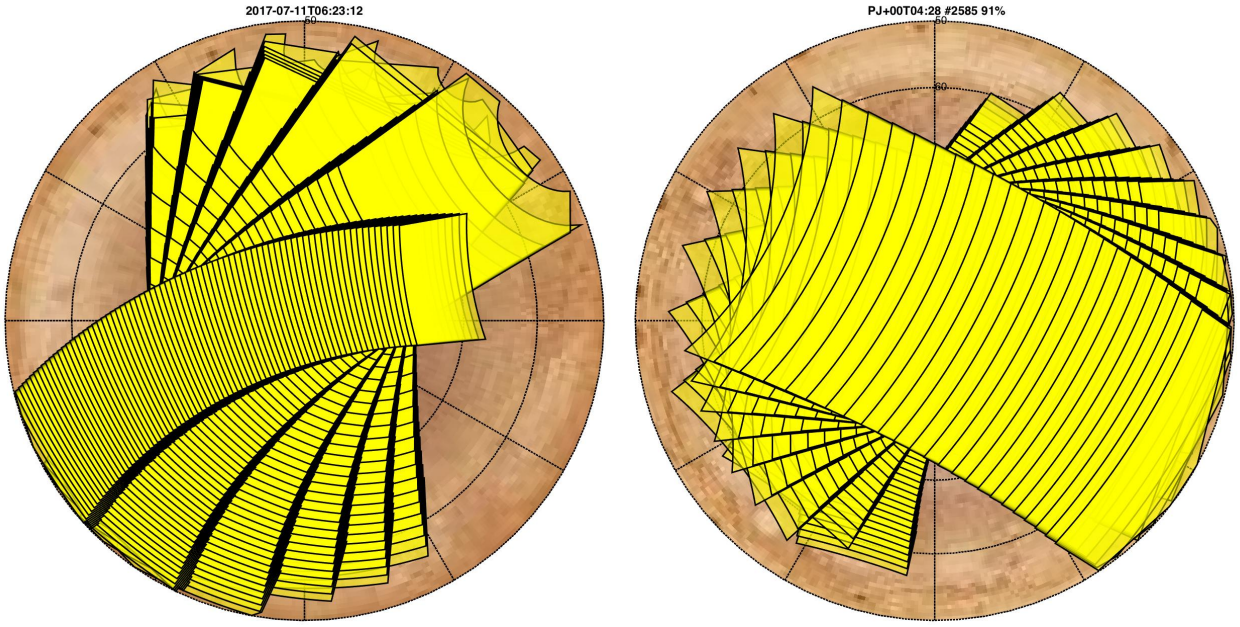

Figure 1: *Poles Coverage - Imager filter L.*

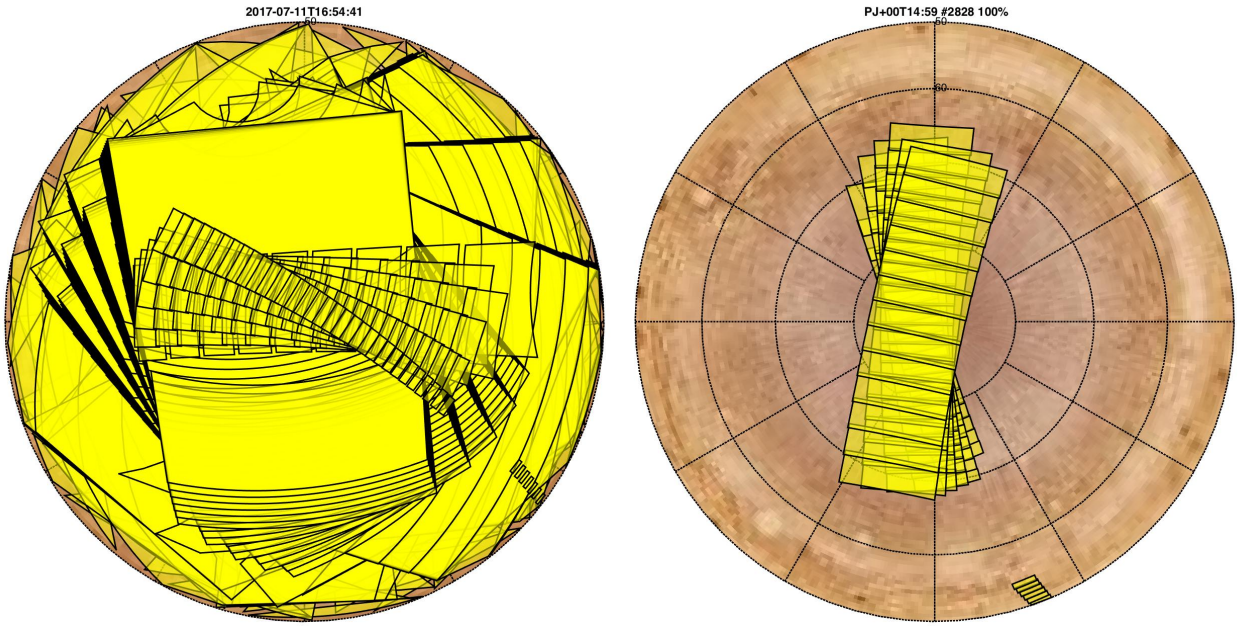

Figure 2. *Poles Coverage - Imager filter M.*

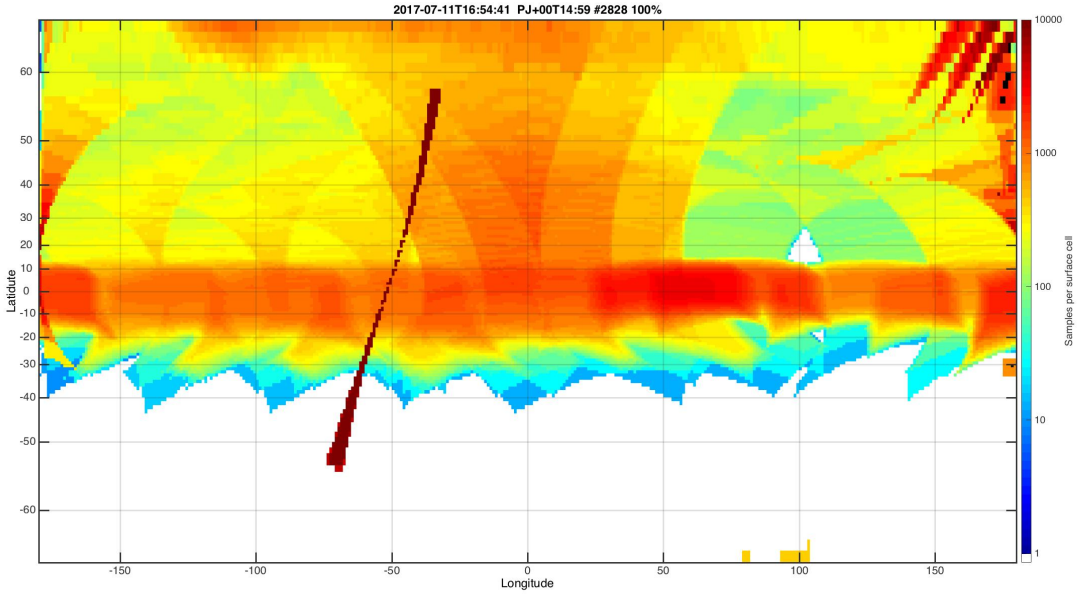

Figure 3. Atmospheric Mapping: Hot Spots – - *Imager filter M.*

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 and while crossing the northern x-ray hot spot in 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_2017191T075948_V01.CSV" in the INDEX directory.

JRM (sasf)	Operative Mode	Goals
JRM_004	CAL_I1_S1	CALIBRATION
JRM_005	SCI_I1_S0	RADIATION
JRM_006	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_008	SCI_I1_S0	RADIATION
JRM_009	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_010	SCI_I2_S1	ATMOSPHERE MAPPING

JRM_011	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_013	SCI_I1_S0	RADIATION
JRM_014	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_015	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_017	SCI_I1_S0	RADIATION
JRM_018	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_019	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_021	SCI_I1_S0	RADIATION
JRM_022	SCI_I2_S1	ATMOSPHERE MAPPING
From JRM_024 to JRM_027	SCI_I1_S0	RADIATION
JRM_028	SCI_I2_S1	ATMOSPHERE MAPPING
From JRM_030 to JRM_032	SCI_I1_S0	RADIATION
JRM_033	SCI_I2_S1	ATMOSPHERE MAPPING
From JRM_035 to JRM_037	SCI_I1_S0	RADIATION
JRM_038	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_039	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_040	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_041	SCI_I1_S1	IO
JRM_042	SCI_I1_S1	IO
JRM_043	SCI_I1_S1	IO
JRM_044	SCI_I1_S1	IO
JRM_045	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_047	SCI_I1_S0	RADIATION
JRM_048	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_050	SCI_I1_S0	RADIATION
JRM_051	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_053	SCI_I1_S0	RADIATION
JRM_054	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_056	SCI_I1_S0	RADIATION
JRM_057	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_059	SCI_I1_S0	RADIATION
JRM_060	SCI_I2_S0	POLAR MAPPING
JRM_061	SCI_I2_S0	POLAR MAPPING
JRM_062	SCI_I2_S0	POLAR MAPPING
JRM_063	SCI_I2_S0	POLAR MAPPING
JRM_064	SCI_I2_S0	POLAR MAPPING
JRM_065	SCI_I3_S1	NORTH AURORA
JRM_066	SCI_I3_S1	NORTH AURORA
JRM_067	SCI_I3_S1	NORTH AURORA
JRM_068	SCI_I3_S1	NORTH AURORA
JRM_069	SCI_I3_S1	NORTH AURORA
JRM_070	SCI_I3_S1	NORTH AURORA
JRM_071	SCI_I1_S0	RADIATION
JRM_072	SCI_I2_S0	NORTH POLE
JRM_073	SCI_I2_S0	NORTH POLE
JRM_074	SCI_I2_S0	NORTH POLE
JRM_075	SCI_I2_S0	NORTH POLE
JRM_076	SCI_I2_S0	NORTH POLE
JRM_077	SCI_I2_S0	NORTH POLE
JRM_078	SCI_I2_S0	NADIR
JRM_079	JIRAM HAVE NOT PERFORMED THESE SEQUENCES	
JRM_080		

JRM_081		
JRM_082		
JRM_083		
JRM_084	SCI_I2_S0	SOUTH POLE
JRM_085	SCI_I3_S1	SOUTH AURORA
JRM_086	SCI_I3_S1	SOUTH AURORA
JRM_087	SCI_I3_S1	SOUTH AURORA
JRM_088	SCI_I3_S1	SOUTH AURORA
JRM_089	SCI_I3_S1	SOUTH AURORA
JRM_090	SCI_I3_S1	SOUTH AURORA
JRM_091	SCI_I3_S1	SOUTH AURORA
JRM_092	SCI_I3_S1	SOUTH AURORA
JRM_093	SCI_I3_S1	SOUTH AURORA
JRM_097	SCI_I2_S1	CALLISTO
JRM_098	SCI_I2_S1	CALLISTO
JRM_099	SCI_I2_S1	CALLISTO
JRM_105	SCI_I2_S1	CALLISTO
JRM_106	SCI_I2_S1	CALLISTO
JRM_107	SCI_I2_S1	CALLISTO
JRM_108	SCI_I2_S1	CALLISTO
JRM_109	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_004	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0
JRM_005	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_006	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_008	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_009	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_010	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_011	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_013	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_014	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0

JRM_015	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_017	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_018	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_019	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_021	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_022	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
From JRM_024 to JRM_027	SCI_I1_S0	12 IMG	72	72	0	0
JRM_028	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
From JRM_030 to JRM_032	SCI_I1_S0	9 IMG	54	54	0	0
JRM_033	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
From JRM_035 to JRM_037	SCI_I1_S0	17 IMG, 17 SPE	204	204	0	0
JRM_038	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_039	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_040	SCI_I2_S1	20 IMG, 20 SPE	180	180	0	0
JRM_041	SCI_I1_S1	20 IMG, 20 SPE	180	180	0	0
JRM_042	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_043	SCI_I1_S1	17 IMG, 17 SPE	204	204	0	0
JRM_044	SCI_I1_S1	9 IMG, 9 SPE	108	108	0	0
JRM_045	SCI_I2_S1	26 IMG, 26 SPE	234	234	0	0
JRM_047	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_048	SCI_I2_S1	30 IMG, 30 SPE	270	270	N/A	0
JRM_050	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_051	SCI_I2_S1	25 IMG, 25 SPE	225	225		
JRM_053	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_054	SCI_I2_S1	25 IMG, 25 SPE	225	225	0	0
JRM_056	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_057	SCI_I2_S1	25 IMG, 25 SPE	225	225	0	0
JRM_059	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_060	SCI_I2_S0	22 IMG	18	18		
JRM_061	SCI_I2_S0	24 IMG	24	24	0	0
JRM_062	SCI_I2_S0	26 IMG	810	810	0	0
JRM_063	SCI_I2_S0	29 IMG	36	36	0	0
JRM_064	SCI_I2_S0	7 IMG	279	279	0	0
JRM_065	SCI_I3_S1	23 IMG, 23 SPE	162	162	0	0
JRM_066	SCI_I3_S1	30 IMG, 30 SPE	567	567	0	0
JRM_067	SCI_I3_S1	34 IMG, 34 SPE	153	153	0	0
JRM_068	SCI_I3_S1	42 IMG, 42 SPE	477	477	0	0
JRM_069	SCI_I3_S1	58 IMG, 58 SPE	81	81	0	0
JRM_070	SCI_I3_S1	83 IMG, 83 SPE	153	153	0	0
JRM_071	SCI_I1_S0	3 IMG	12	18	N/A	1
JRM_072	SCI_I2_S0	9 IMG	432	432	0	0
JRM_073	SCI_I2_S0	13 IMG	27	27	0	0
JRM_074	SCI_I2_S0	16 IMG	153	153	0	0
JRM_075	SCI_I2_S0	26 IMG, 26 SPE	234	234	0	0
JRM_076	SCI_I2_S0	26 IMG, 26 SPE	234	234	0	0
JRM_077	SCI_I2_S0	26 IMG, 26 SPE	234	234	0	0
JRM_078	SCI_I2_S0	26 IMG, 26 SPE	234	234	0	0
JRM_079 to JRM_083	JIRAM HAVE NOT PERFORMED THESE SEQUENCES					

JRM_084	SCI_I2_S0	13 IMG	39	39	0	0
JRM_085	SCI_I3_S1	63 IMG, 63 SPE	567	567	0	0
JRM_086	SCI_I3_S1	49 IMG, 49 SPE	441	441	0	0
JRM_087	SCI_I3_S1	42 IMG, 42 SPE	378	378	0	0
JRM_088	SCI_I3_S1	36 IMG, 36 SPE	324	324	0	0
JRM_089	SCI_I3_S1	32 IMG, 32 SPE	288	288	0	0
JRM_090	SCI_I3_S1	29 IMG, 29 SPE	261	261	0	0
JRM_091	SCI_I3_S1	27 IMG, 27 SPE	243	243	0	0
JRM_092	SCI_I3_S1	26 IMG, 26 SPE	234	234	0	0
JRM_093	SCI_I3_S1	24 IMG, 24 SPE	216	216	0	0
JRM_097	SCI_I2_S1	20 IMG, 20 SPE	204	204	0	0
JRM_098	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_099	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_100	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_101	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_102	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_103	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_104	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_105	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_106	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_107	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_108	SCI_I2_S1	17 IMG, 17 SPE	153	153	0	0
JRM_109	CAL_I1_S1	6 IMG, 6 SPE	72	72	0	0

Table 2: Data Overwier

A.1 Commanding file (sasf)

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

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

CCSD3ZF0000100000001NJPL3KS0L015$$MARK$$;
MISSION_NAME = JUNO;
SPACECRAFT_NAME = JUNO;
DATA_SET_ID = SPACECRAFT_ACTIVITY_SEQUENCE_JRM;
FILE_NAME = jm0071_JRMb.sasf;
APPLICABLE_START_TIME = 2017-191T01:00:00.000;
APPLICABLE_STOP_TIME = 2017-217T11:00:00.000;
PRODUCT_CREATION_TIME = 2017-158T17:11:11.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0071_JRMb;
HOST_ID = JRM_CMD_071_071_V04.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M01300000001;
$$JNO         SPACECRAFT ACTIVITY SEQUENCE FILE
************************************************************
*PROJECT    JNO
*SPACECRAFT 61
*OPERATOR   JRMTEAM
*FILE_CMPLT TRUE
*DATE       Wed Jun 07 17:11:11 2017
*BEGIN      2017-191T01:00:00.000
*CUTOFF     2017-217T11:00:00.000
*TITLE      jm0071_JRMb
*EPOCHS_DEF
*jm0071_JRM,      2017-191T01:00:00.000
*EPOCHS_END
*Input files used:
*File Type  Last modified            File name
*PACKETS_NUMBER  13512
************************************************************
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
               START_TIME,2017-191T01:00:00.000,
               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","jm0071_JRM","jm0071_JRM.abs","d:/seq")
            ),
     command(2,
                SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
                FILE_DELETE("d:/seq/jm0071_JRM.abs")
            ),
     command(3,
                SCHEDULED_TIME,\026T09:59:58\,FROM_REQUEST_START,
                VM_LOAD(20,"d:/seq/jm0072_JRM.abs")
            ),
 end;

request(JRM_001,
                START_TIME,2017-191T02:35:04.000,
                TITLE, "jm0071_JRM_Heater_Op",
```

```
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                THRM_SET_PT_SEL("JIRAM_OH","OPERATIONAL")
        ),
        command(2,
                SCHEDULED_TIME,\00:00:01\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_DECON","OPERATIONAL")
        ),
        command(3,
                SCHEDULED_TIME,\03:10:00\,FROM_PREVIOUS_START,
                THRM_SET_PT_SEL("JIRAM_ELECT_BP","OPERATIONAL")
        ),
             note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
             ),
 end;

request(JRM_002,
                START_TIME,2017-191T07:56:04.000,
                TITLE, "jm0071_JRM-POWER_ON",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
            spawn(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                REQ_ENGINE_ID,21,RT_on_board_block(jiram_pwr_on)
             ),
             note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"NaN"\
             ),
 end;

request(JRM_003,
                START_TIME,2017-191T07:58:47.000,
                TITLE, "jm0071_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_004,
                START_TIME,2017-191T07:58:59.000,
                TITLE, "jm0071_JRM_Calibration",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_CAL_PAR(8,14,8,14,30,700,30,700,30,700,30,700,30,700,200,200,153,153)
           ),
```

```
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_CALIBRATION("CAL_I1_S1","IDIS_SDIS","DISABLE",1,"LAMP_1")
            ),
         command(5,
                SCHEDULED_TIME,\00:04:00\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
             note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"NaN"\
             ),
 end;

request(JRM_005,
                  START_TIME,2017-191T08:08:15.000,
                  TITLE, "jm0071_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")
```

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            ),
         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_07_001_Approach_2017-191T08:08:15.000"\
             ),
 end;

request(JRM_006,
                  START_TIME,2017-191T08:29:19.000,
                  TITLE, "jm0071_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",0,71,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-347,"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,\"Atm. Map"\
             ),
 end;

request(JRM_007,
                  START_TIME,2017-191T08:40:18.000,
                  TITLE, "jm0071_Technical_Block",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
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                JRM_SET_PAR(74,0)
            ),
             note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_008,
                  START_TIME,2017-191T08:53:15.000,
                  TITLE, "jm0071_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,
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                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
             note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"Radiation_Sequence_07_002_Approach_2017-191T08:53:15.000"\
             ),
 end;

request(JRM_009,
                 START_TIME,2017-191T09:04:19.000,
                 TITLE, "jm0071_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",0,6,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-267,"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,\"Atm. Map"\
             ),
 end;

request(JRM_010,
                 START_TIME,2017-191T09:39:19.000,
                 TITLE, "jm0071_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",0,76,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-382,"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,
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                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"Atm. Map"\
             ),
 end;

request(JRM_011,
                  START_TIME,2017-191T10:14:19.000,
                  TITLE, "jm0071_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",0,7,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-300,"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,\"Atm. Map"\
             ),
 end;

request(JRM_012,
                  START_TIME,2017-191T10:25:18.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_013,
                  START_TIME,2017-191T10:28:15.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
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                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(92,153)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

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

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

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT"
,28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
            ),
         command(10,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
         command(11,
                SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(12,
                SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         command(13,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SET_PAR(92,8174)
            ),
         command(14,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"Radiation_Sequence_07_003_Approach_2017-191T10:28:15.000"\
             ),
 end;

request(JRM_014,
                 START_TIME,2017-191T10:49:19.000,
                 TITLE, "jm0071_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
```

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         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         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",0,80,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-422,"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,\"Atm. Map"\
             ),
 end;

request(JRM_015,
                  START_TIME,2017-191T11:24:19.000,
                  TITLE, "jm0071_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",0,7,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-337,"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,\"Atm. Map"\
             ),
 end;

request(JRM_016,
                  START_TIME,2017-191T11:35:18.000,
                  TITLE, "jm0071_Technical_Block",
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                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,\"Imager Delay Set to Zero"\
            ),
 end;

request(JRM_017,
                START_TIME,2017-191T11:38:15.000,
                TITLE, "jm0071_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()
           ),
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         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_07_004_Approach_2017-191T11:38:15.000"\
             ),
 end;

request(JRM_018,
                  START_TIME,2017-191T11:59:19.000,
                  TITLE, "jm0071_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",0,85,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-460,"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,\"Atm. Map"\
             ),
 end;

request(JRM_019,
                  START_TIME,2017-191T12:34:19.000,
                  TITLE, "jm0071_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",0,7,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-375,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
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                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,\"Atm. Map"\
             ),
 end;

request(JRM_020,
                   START_TIME,2017-191T12:45:18.000,
                   TITLE, "jm0071_Technical_Block",
                   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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_021,
                   START_TIME,2017-191T12:48:15.000,
                   TITLE, "jm0071_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,
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                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_07_005_Approach_2017-191T12:48:15.000"\
             ),
 end;

request(JRM_022,
                  START_TIME,2017-191T13:09:19.000,
                  TITLE, "jm0071_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",0,92,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-518,"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,\"Atm. Map"\
             ),
 end;

request(JRM_023,
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                  START_TIME,2017-191T13:20:18.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
              ),
 end;

request(JRM_024,
                  START_TIME,2017-191T13:23:15.000,
                  TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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,
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                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_07_006_GoodPxMap_2017-191T13:23:15.000"\
             ),
 end;

request(JRM_025,
                  START_TIME,2017-191T13:28:15.000,
                  TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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,
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                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_07_007_GoodPxMap_2017-191T13:28:15.000"\
             ),
 end;

request(JRM_026,
                 START_TIME,2017-191T13:33:15.000,
                 TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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()
            ),
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         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_07_008_GoodPxMap_2017-191T13:33:15.000"\
             ),
 end;

request(JRM_027,
                  START_TIME,2017-191T13:38:15.000,
                  TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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()
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            ),
         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_07_009_GoodPxMap_2017-191T13:38:15.000"\
             ),
 end;

request(JRM_028,
                  START_TIME,2017-191T13:44:19.000,
                  TITLE, "jm0071_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",0,8,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-432,"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,\"Atm. Map"\
             ),
 end;

request(JRM_029,
                  START_TIME,2017-191T13:55:18.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
             ),
 end;
```

```
request(JRM_030,
                 START_TIME,2017-191T13:58:15.000,
                 TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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_07_010_GoodPxMap_2017-191T13:58:15.000"\
             ),
 end;
```

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request(JRM_031,
                  START_TIME,2017-191T14:03:15.000,
                  TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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_07_011_GoodPxMap_2017-191T14:03:15.000"\
             ),
```

```
 end;

request(JRM_032,
                  START_TIME,2017-191T14:08:15.000,
                  TITLE, "jm0071_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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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"
,52565,5000,5000,"LOW","LOW","POINT",-33451,"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_07_012_GoodPxMap_2017-191T14:08:15.000"\
```

```
            ),
 end;

request(JRM_033,
                  START_TIME,2017-191T14:19:19.000,
                  TITLE, "jm0071_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",0,100,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-588,"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,\"Atm. Map"\
             ),
 end;

request(JRM_034,
                  START_TIME,2017-191T14:30:18.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_035,
                  START_TIME,2017-191T14:33:15.000,
                  TITLE, "jm0071_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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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_07_013_GoodPxMap_2017-191T14:33:15.000"\
             ),
 end;

request(JRM_036,
                  START_TIME,2017-191T14:38:15.000,
                  TITLE, "jm0071_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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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_07_014_GoodPxMap_2017-191T14:38:15.000"\
             ),
 end;

request(JRM_037,
                  START_TIME,2017-191T14:43:15.000,
                  TITLE, "jm0071_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"
```

```
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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"
,52884,5000,5000,"LOW","LOW","POINT",-33132,"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_07_015_GoodPxMap_2017-191T14:43:15.000"\
             ),
 end;

request(JRM_038,
                  START_TIME,2017-191T14:54:19.000,
                  TITLE, "jm0071_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",0,8,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-501,"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,\"Atm. Map"\
             ),
 end;

request(JRM_039,
                  START_TIME,2017-191T15:29:19.000,
                  TITLE, "jm0071_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",0,109,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-674,"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,\"Atm. Map"\
             ),
 end;

request(JRM_040,
                  START_TIME,2017-191T16:04:19.000,
                  TITLE, "jm0071_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",0,9,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-589,"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,\"Atm. Map"\
            ),
 end;

request(JRM_041,
                 START_TIME,2017-191T16:36:18.000,
                 TITLE, "jm0071_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",0,12,1667,5000,"LOW","L
OW","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-8098,"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_042,
                 START_TIME,2017-191T16:47:48.000,
                 TITLE, "jm0071_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
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                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(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",0,14,1667,5000,"LOW","L
OW","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-8347,"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_043,
                  START_TIME,2017-191T16:57:48.000,
                  TITLE, "jm0071_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",0,15,1667,5000,"LOW","L
OW","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-8598,"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_044,
                  START_TIME,2017-191T17:07:48.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
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                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1665)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S1",9,1,9,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,1667,5000,"LOW","LOW
","POINT",-57343,1667,5000,"LOW","LOW","SPIN",-8749,"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,\"Io"\
             ),
 end;

request(JRM_045,
                 START_TIME,2017-191T17:20:18.000,
                 TITLE, "jm0071_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",0,8,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-705,"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_046,
```

```
                  START_TIME,2017-191T17:34:17.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_047,
                  START_TIME,2017-191T17:38:15.000,
                  TITLE, "jm0071_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"
,54158,5000,5000,"LOW","LOW","POINT",-31858,"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"
,54158,5000,5000,"LOW","LOW","POINT",-31858,"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"
,54158,5000,5000,"LOW","LOW","POINT",-31858,"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_07_016_Approach_2017-191T17:38:15.000"\
             ),
 end;

request(JRM_048,
                   START_TIME,2017-191T17:58:18.000,
                   TITLE, "jm0071_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,7,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-793,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:15:39\,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_049,
                   START_TIME,2017-191T18:14:17.000,
                   TITLE, "jm0071_Technical_Block",
                   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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_050,
                   START_TIME,2017-191T18:18:15.000,
                   TITLE, "jm0071_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"
,54795,5000,5000,"LOW","LOW","POINT",-31221,"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"
,54795,5000,5000,"LOW","LOW","POINT",-31221,"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"
,54795,5000,5000,"LOW","LOW","POINT",-31221,"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_07_017_Approach_2017-191T18:18:15.000"\
             ),
 end;

request(JRM_051,
                 START_TIME,2017-191T18:38:18.000,
```

```
                TITLE, "jm0071_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",25,1,25,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,117,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1050,"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,\00:13:09\,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,\"Atm. Map"\
            ),
 end;

request(JRM_052,
                START_TIME,2017-191T18:51:47.000,
                TITLE, "jm0071_Technical_Block",
                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,\"Imager Delay Set to Zero"\
            ),
 end;

request(JRM_053,
                START_TIME,2017-191T19:08:15.000,
                TITLE, "jm0071_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"
,55114,5000,5000,"LOW","LOW","POINT",-30902,"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"
,55114,5000,5000,"LOW","LOW","POINT",-30902,"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"
,55114,5000,5000,"LOW","LOW","POINT",-30902,"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_07_018_Approach_2017-191T19:08:15.000"\
             ),
 end;

request(JRM_054,
                 START_TIME,2017-191T19:18:18.000,
                 TITLE, "jm0071_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",25,1,25,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,127,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1191,"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,\00:13:09\,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,\"Atm. Map"\
             ),
 end;

request(JRM_055,
                   START_TIME,2017-191T19:31:47.000,
                   TITLE, "jm0071_Technical_Block",
                   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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_056,
                   START_TIME,2017-191T19:38:15.000,
                   TITLE, "jm0071_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"
,55751,5000,5000,"LOW","LOW","POINT",-30265,"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"
,55751,5000,5000,"LOW","LOW","POINT",-30265,"NO_SUMMED_SCI")
            ),
         command(7,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_GET_PAR(6000)
            ),
         command(8,
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                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"
,55751,5000,5000,"LOW","LOW","POINT",-30265,"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_07_019_Approach_2017-191T19:38:15.000"\
             ),
 end;

request(JRM_057,
                  START_TIME,2017-191T19:58:18.000,
                  TITLE, "jm0071_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",25,1,25,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,138,50,5000,"LOW","LO
W","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1345,"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,\00:13:09\,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,\"Atm. Map"\
             ),
 end;
```

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request(JRM_058,
                  START_TIME,2017-191T20:11:47.000,
                  TITLE, "jm0071_Technical_Block",
                  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,\"Imager Delay Set to Zero"\
             ),
 end;

request(JRM_059,
                  START_TIME,2017-191T20:28:15.000,
                  TITLE, "jm0071_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"
,56388,5000,5000,"LOW","LOW","POINT",-29628,"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"
,56388,5000,5000,"LOW","LOW","POINT",-29628,"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"
,56388,5000,5000,"LOW","LOW","POINT",-29628,"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,
```

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                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_07_020_Approach_2017-191T20:28:15.000"\
             ),
 end;

request(JRM_060,
                  START_TIME,2017-191T20:54:18.000,
                  TITLE, "jm0071_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_I2_S0",22,1,22,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,41,50,0,"LOW","LOW","
POINT",-57343,50,0,"LOW","LOW","SPIN",1807,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:11:39\,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,\"Polar Map"\
             ),
 end;

request(JRM_061,
                  START_TIME,2017-191T21:06:48.000,
                  TITLE, "jm0071_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_I2_S0",24,1,24,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,41,50,0,"LOW","LOW","
POINT",-57343,50,0,"LOW","LOW","SPIN",1832,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

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                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:12:39\,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,\"Polar Map"\
             ),
 end;

request(JRM_062,
                  START_TIME,2017-191T21:20:18.000,
                  TITLE, "jm0071_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_I2_S0",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,41,50,0,"LOW","LOW","
POINT",-57343,50,0,"LOW","LOW","SPIN",1859,"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,\"Polar Map"\
             ),
 end;

request(JRM_063,
                  START_TIME,2017-191T21:34:47.000,
                  TITLE, "jm0071_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_I2_S0",29,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,50,0,"LOW","LOW","
POINT",-57343,50,0,"LOW","LOW","SPIN",1889,"NO_SUMMED_SCI")
```

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            ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
            ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
            ),
         command(5,
                 SCHEDULED_TIME,\00:15:09\,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,\"Polar Map"\
             ),
 end;

request(JRM_064,
                  START_TIME,2017-191T21:50:47.000,
                  TITLE, "jm0071_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_I2_S0",7,1,7,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,50,0,"LOW","LOW","PO
INT",-57343,50,0,"LOW","LOW","SPIN",1922,"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,\"Polar Map"\
             ),
 end;

request(JRM_065,
                  START_TIME,2017-191T21:55:47.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 JRM_SET_PAR(74,0)
            ),
         command(2,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I3_S1",23,1,23,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,85,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",911,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:12:09\,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,\"N. Aurora"\
             ),
 end;

request(JRM_066,
                  START_TIME,2017-191T22:08:47.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",30,1,30,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,74,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",796,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:15:39\,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,\"N. Aurora"\
             ),
 end;

request(JRM_067,
                  START_TIME,2017-191T22:25:17.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
```

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

JRM_SCI_PAR("SCI_I3_S1",34,1,34,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,73,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",674,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:17:39\,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,\"N. Aurora"\
             ),
 end;

request(JRM_068,
                  START_TIME,2017-191T22:43:47.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",42,1,42,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,72,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",361,"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,\00:21:39\,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,\"N. Aurora"\
             ),
 end;

request(JRM_069,
                  START_TIME,2017-191T23:06:17.000,
                  TITLE, "jm0071_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",58,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,70,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-198,"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,\00:29:40\,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,\"N. Aurora"\
             ),
 end;

request(JRM_070,
                  START_TIME,2017-191T23:36:46.000,
                  TITLE, "jm0071_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",83,1,42,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,65,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-693,"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,\00:42:10\,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,\"N. Aurora"\
             ),
 end;

request(JRM_071,
                  START_TIME,2017-192T00:19:20.000,
                  TITLE, "jm0071_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_07_022_NXrayHotSpot_2017-192T00:19:20.000"\
             ),
 end;

request(JRM_072,
                 START_TIME,2017-192T00:25:45.000,
```

```
                TITLE, "jm0071_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_I2_S0",9,1,9,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,628,1665,0,"LOW","LOW",
"POINT",-57343,1665,0,"LOW","LOW","SPIN",1068,"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,\00:05:10\,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"\
            ),
 end;

request(JRM_073,
                START_TIME,2017-192T00:31:45.000,
                TITLE, "jm0071_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_I2_S0",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,450,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",667,"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"\
            ),
 end;
```

```
request(JRM_074,
                  START_TIME,2017-192T00:39:45.000,
                  TITLE, "jm0071_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_I2_S0",16,1,16,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,437,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",49,"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,\00:08:40\,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,\"North Pole"\
             ),
 end;

request(JRM_075,
                  START_TIME,2017-192T00:49:14.000,
                  TITLE, "jm0071_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_I2_S0",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,409,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-1079,"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"\
             ),
 end;

request(JRM_076,
                 START_TIME,2017-192T01:00:44.000,
                 TITLE, "jm0071_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_I2_S0",29,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,327,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-3386,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:15:11\,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"\
             ),
 end;

request(JRM_077,
                 START_TIME,2017-192T01:16:42.000,
                 TITLE, "jm0071_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_I2_S0",32,1,32,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,62,1665,0,"LOW","LOW"
,"POINT",-57343,1665,0,"LOW","LOW","SPIN",-9126,"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,\00:16:39\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
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            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole"\
             ),
 end;

request(JRM_078,
                  START_TIME,2017-192T01:34:10.000,
                  TITLE, "jm0071_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_I2_S0",101,1,34,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,1665,0,"LOW","LOW"
,"POINT",-57343,1665,0,"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,\00:51:08\,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,\"Nadir"\
              ),
 end;

request(JRM_079,
                  START_TIME,2017-192T02:26:01.000,
                  TITLE, "jm0071_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_I2_S0",15,1,15,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,199,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",8014,"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,\00:08:09\,FROM_PREVIOUS_START,
                 JRM_ERROR_LOG()
             ),
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         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"South Pole"\
             ),
 end;

request(JRM_080,
                 START_TIME,2017-192T02:35:00.000,
                 TITLE, "jm0071_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_I2_S0",21,1,21,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,334,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",1346,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:11:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"South Pole"\
             ),
 end;

request(JRM_081,
                 START_TIME,2017-192T02:46:59.000,
                 TITLE, "jm0071_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_I2_S0",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,408,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-1955,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
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                SCHEDULED_TIME,\00:10:41\,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,\"South Pole"\
             ),
 end;

request(JRM_082,
                 START_TIME,2017-192T02:58:29.000,
                 TITLE, "jm0071_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_I2_S0",18,1,18,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,441,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-3078,"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,\"South Pole"\
             ),
 end;

request(JRM_083,
                 START_TIME,2017-192T03:08:58.000,
                 TITLE, "jm0071_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_I2_S0",15,1,15,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,458,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-3442,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
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                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:08:10\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
         command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
             note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"South Pole"\
             ),
 end;

request(JRM_084,
                   START_TIME,2017-192T03:17:58.000,
                   TITLE, "jm0071_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_I2_S0",13,1,13,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,467,1665,0,"LOW","LOW
","POINT",-57343,1665,0,"LOW","LOW","SPIN",-3538,"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,\"South Pole"\
             ),
 end;

request(JRM_085,
                   START_TIME,2017-192T03:26:57.000,
                   TITLE, "jm0071_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",0,93,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-5088,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
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            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:32:10\,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. Aurora"\
             ),
 end;

request(JRM_086,
                  START_TIME,2017-192T03:59:57.000,
                  TITLE, "jm0071_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",49,1,49,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,94,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4199,"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,\00:25:10\,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. Aurora"\
             ),
 end;

request(JRM_087,
                  START_TIME,2017-192T04:25:56.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",42,1,42,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,96,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3854,"NO_SUMMED_SCI")
            ),
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         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
            ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
            ),
         command(5,
                 SCHEDULED_TIME,\00:21:40\,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. Aurora"\
             ),
 end;

request(JRM_088,
                  START_TIME,2017-192T04:48:26.000,
                  TITLE, "jm0071_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",36,1,36,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,97,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3472,"NO_SUMMED_SCI")
            ),
         command(3,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_START_HS_REC()
            ),
         command(4,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 JRM_SCIENCE()
            ),
         command(5,
                 SCHEDULED_TIME,\00:18:39\,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. Aurora"\
             ),
 end;

request(JRM_089,
                  START_TIME,2017-192T05:07:56.000,
                  TITLE, "jm0071_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,
```

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JRM_SCI_PAR("SCI_I3_S1",32,1,32,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,98,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3206,"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,\00:16:39\,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. Aurora"\
             ),
 end;

request(JRM_090,
                  START_TIME,2017-192T05:25:26.000,
                  TITLE, "jm0071_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",29,1,29,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,98,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3005,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:15:09\,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. Aurora"\
             ),
 end;

request(JRM_091,
                  START_TIME,2017-192T05:41:26.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
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        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",27,1,27,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,98,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2846,"NO_SUMMED_SCI")
           ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
           ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
           ),
        command(5,
                SCHEDULED_TIME,\00:14:09\,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. Aurora"\
            ),
 end;

request(JRM_092,
                 START_TIME,2017-192T05:56:25.000,
                 TITLE, "jm0071_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
           ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",26,1,26,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,99,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2714,"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,\"S. Aurora"\
            ),
 end;

request(JRM_093,
                 START_TIME,2017-192T06:10:55.000,
                 TITLE, "jm0071_JRM_Science",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
        command(1,
```

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

JRM_SCI_PAR("SCI_I3_S1",24,1,24,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,99,5000,5000,"LOW","L
OW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-2600,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:12:39\,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. Aurora"\
             ),
 end;

request(JRM_094,
                  START_TIME,2017-192T06:23:54.000,
                  TITLE, "jm0071_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_095,
                  START_TIME,2017-192T14:51:29.000,
                  TITLE, "jm0071_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_096,
                  START_TIME,2017-192T14:54:12.000,
                  TITLE, "jm0071_JRM_StandBy",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(111,10)
            ),
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         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_097,
                   START_TIME,2017-192T14:54:24.000,
                   TITLE, "jm0071_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_I2_S1",20,1,20,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",35027,"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,\"Callisto"\
             ),
 end;

request(JRM_098,
                   START_TIME,2017-192T15:05:54.000,
                   TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34976,"NO_SUMMED_SCI")
            ),
         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
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            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:09:09\,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_099,
                  START_TIME,2017-192T15:15:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34924,"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_100,
                  START_TIME,2017-192T15:25:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34872,"NO_SUMMED_SCI")
            ),
```

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         command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
         command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
         command(5,
                SCHEDULED_TIME,\00:09:09\,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_101,
                  START_TIME,2017-192T15:35:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34818,"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_102,
                  START_TIME,2017-192T15:45:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34763,"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_103,
                   START_TIME,2017-192T15:55:54.000,
                   TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34707,"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_104,
                   START_TIME,2017-192T16:05:54.000,
                   TITLE, "jm0071_JRM_Science",
                   REQUESTOR, "JRMTEAM",
                   PROCESSOR, "VC2",
                   KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
```

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         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",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34651,"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_105,
                  START_TIME,2017-192T16:15:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34593,"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_106,
                  START_TIME,2017-192T16:25:54.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
         command(1,
```

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                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
         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",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34535,"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_107,
                  START_TIME,2017-192T16:35:54.000,
                  TITLE, "jm0071_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_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34475,"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_108,
                  START_TIME,2017-192T16:45:54.000,
                  TITLE, "jm0071_JRM_Science",
                  REQUESTOR, "JRMTEAM",
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                 PROCESSOR, "VC2",
                 KEY, "No_Key")
         command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
         command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",17,1,17,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,4,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",34415,"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_109,
                 START_TIME,2017-192T16:55:23.000,
                 TITLE, "jm0071_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_110,
                 START_TIME,2017-192T16:59:43.000,
                 TITLE, "jm0071_JRM-POWER_OFF",
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```
                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_111,
                START_TIME,2017-192T16:59:59.000,
                TITLE, "jm0071_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
```