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Juno
JIRAM

Report JM0091

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1   INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0091 (PJ9), 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 PJ9 pass, JIRAM could have a partial coverage of both Northern and Southern Poles of Jupiter. Coverage is given in the figures 1 , 2 & 3. Image filter L is for auroras and imager filter M is for mapping the atmospheric thermal emission. Note that in correspondance of each imager's pictures there is a spectral observation. Details about imager/spectrometer coupling and, more in general, about the instrument and its performances can be found in Adriani et al., 2014 and 2016. Finally, observations of the Jupiter's moons Europa and Ganymede have also been done (not reported in the figures).
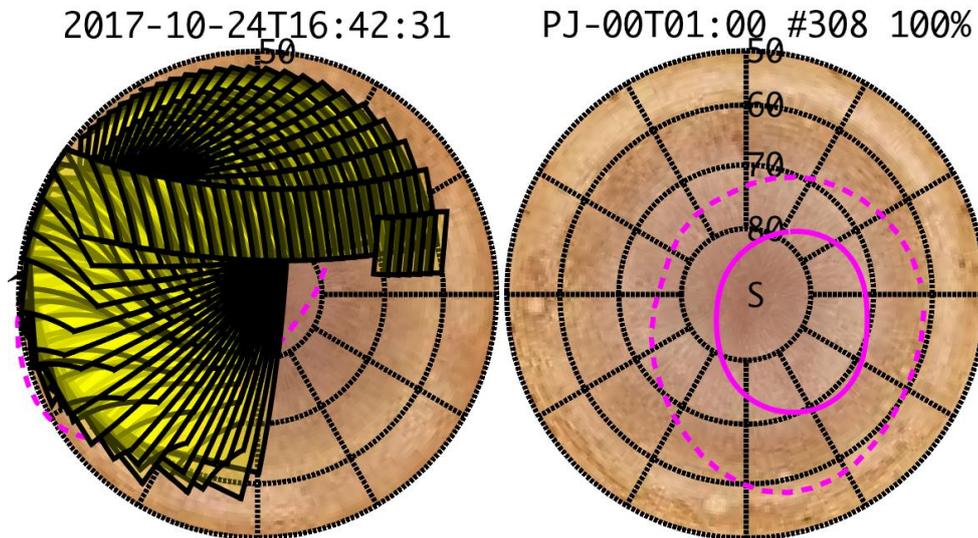
Figure 1: North *Poles Coverage - Imager filterM.*
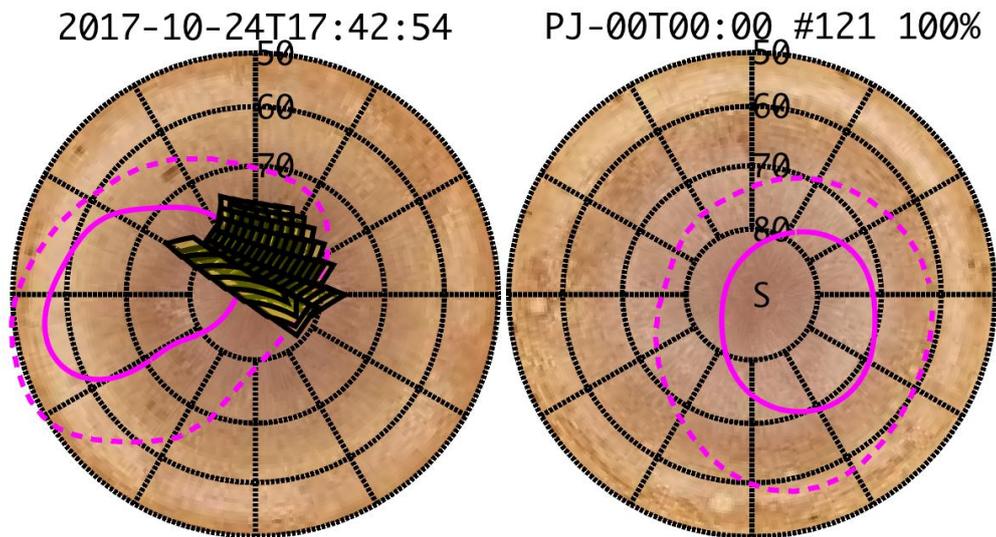
Figure 2. *North Poles Coverage - Imager filter M.*
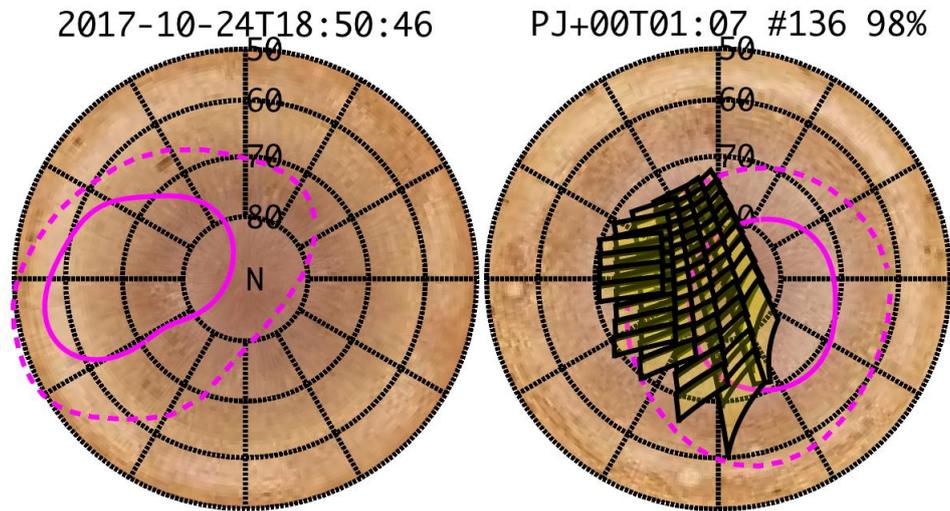
Figure 3. *South Pole Coverage - Imager filter M.*
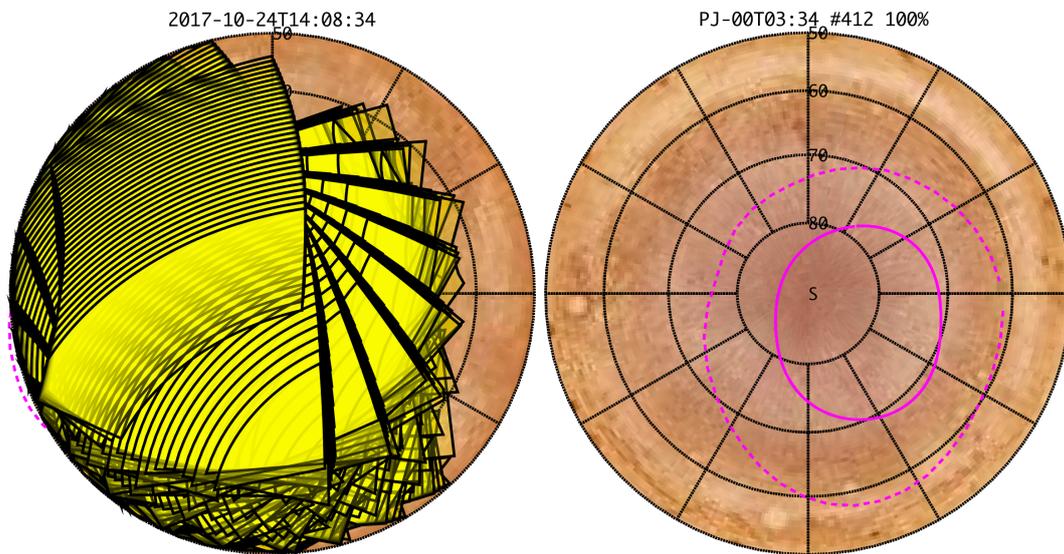
Figure 4. *North Aurora - Imager filter L.*
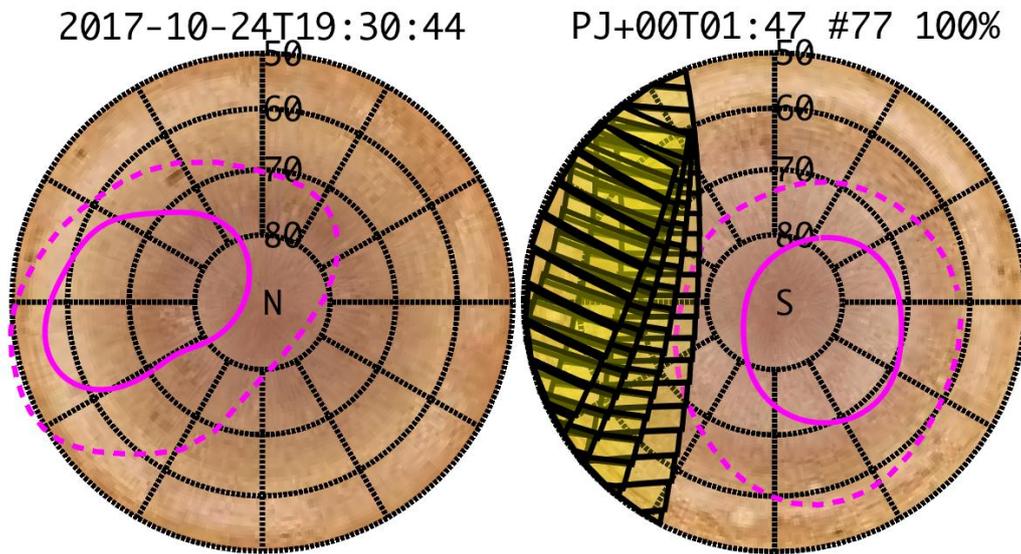
Figure 5. *Atmosphere (Polar View) - Imager filter M.*
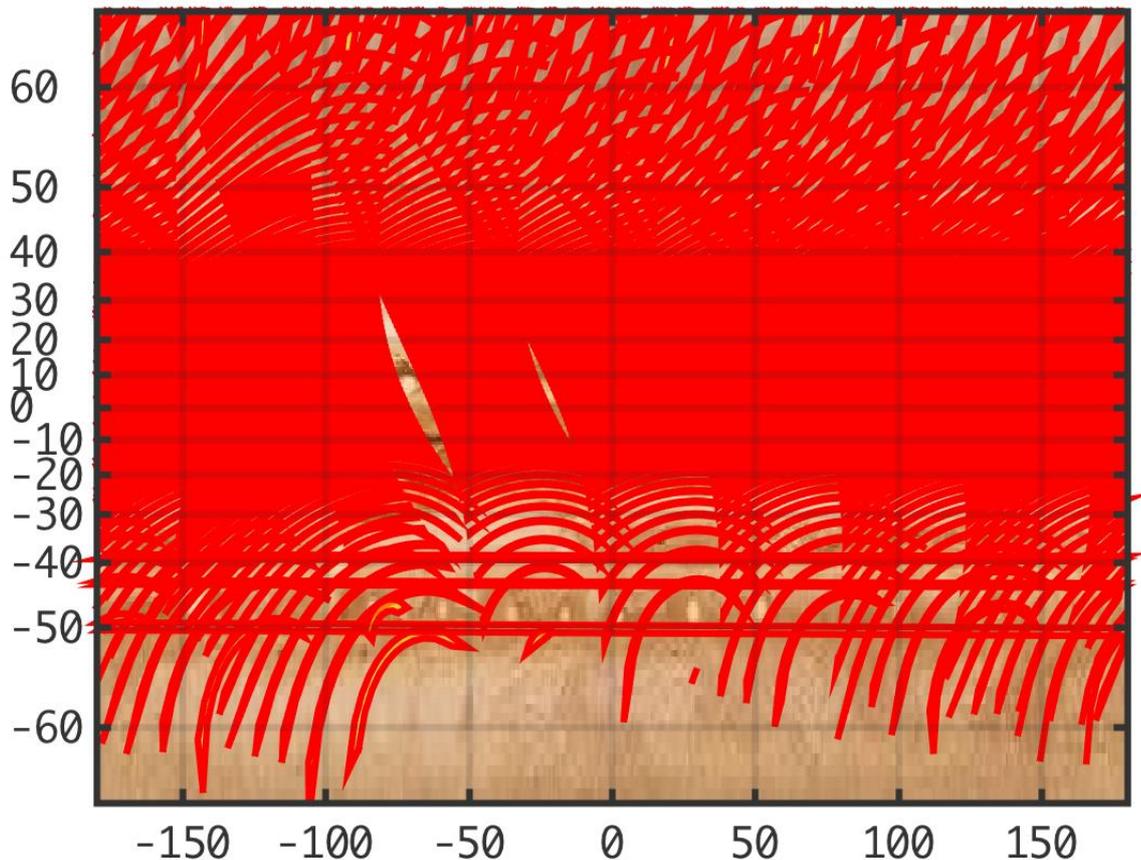
Figure 6. Atmosphere (Mercator View) - Imager filter M

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 the southern 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_2017296T231825_V01.CSV" in the INDEX directory.

JRM (sasf)	Operative Mode	Goals
JRM_004	CAL_I1_S1	INTERNAL CALIBRATION
JRM_005	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_006	SCI_I2_S1	ATMOSPHERE MAPPING
From JRM_008 to JRM_014	SCI_I1_S0	RADIATION
JRM_015	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_016	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_017	SCI_I2_S1	ATMOSPHERE MAPPING
From JRM_019 to JRM_020	SCI_I1_S0	RADIATION
JRM_021	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_023	SCI_I1_S0	RADIATION
JRM_024	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_026	SCI_I1_S0	RADIATION
JRM_027	SCI_I2_S1	ATMOSPHERE MAPPING
JRM_029	SCI_I1_S0	RADIATION
JRM_030	SCI_I2_S1	NORTH AURORE
JRM_031	SCI_I3_S1	NORTH AURORE
JRM_032	SCI_I3_S1	NORTH AURORE
JRM_033	SCI_I3_S1	NORTH AURORE
JRM_034	SCI_I3_S1	NORTH AURORE
JRM_035	SCI_I3_S1	NORTH AURORE
JRM_036	SCI_I3_S1	NORTH AURORE
JRM_037	SCI_I3_S1	NORTH AURORE
JRM_038	SCI_I3_S1	NORTH AURORE
JRM_039	SCI_I2_S1	NORTH POLE
JRM_040	SCI_I2_S1	NORTH POLE
JRM_041	SCI_I2_S1	NORTH POLE
JRM_042	SCI_I2_S1	NORTH POLE
JRM_043	SCI_I2_S1	NORTH POLE
JRM_044	SCI_I2_S1	NORTH POLE
JRM_045	SCI_I2_S1	NORTH POLE
JRM_046	SCI_I2_S1	NORTH POLE
JRM_047	SCI_I2_S1	NORTH POLE
JRM_048	SCI_I2_S1	NORTH POLE
JRM_049	SCI_I2_S1	NORTH POLE

JRM_050	SCI_I2_S1	NORTH POLE
JRM_051	SCI_I2_S1	NORTH POLE
JRM_052	SCI_I2_S1	NORTH POLE
JRM_053	SCI_I2_S1	NORTH POLE
JRM_054	SCI_I2_S1	NORTH POLE
JRM_055	SCI_I2_S1	NORTH POLE
JRM_056	SCI_I2_S1	NORTH POLE
JRM_057	SCI_I2_S1	NORTH POLE
JRM_058	SCI_I2_S1	NORTH POLE
JRM_059	SCI_I2_S1	NORTH POLE
JRM_60	SCI_I2_S1	NORTH POLE
JRM_061	SCI_I2_S1	NORTH POLE
JRM_062	SCI_I2_S1	NORTH POLE
JRM_063	SCI_I2_S1	NORTH POLE
JRM_064	SCI_I2_S1	NORTH POLE
JRM_065	SCI_I2_S1	NORTH POLE
JRM_066	SCI_I2_S1	NORTH POLE
JRM_067	SCI_I2_S1	NORTH POLE
JRM_068	SCI_I2_S1	NORTH POLE
JRM_069	SCI_I2_S1	NORTH POLE
JRM_070	SCI_I2_S1	
JRM_071	SCI_I2_S1	SOUTH POLE
JRM_072	SCI_I2_S1	SOUTH POLE
JRM_073	SCI_I2_S1	SOUTH POLE
JRM_074	SCI_I2_S1	SOUTH POLE
JRM_075	SCI_I2_S1	SOUTH POLE
JRM_076	SCI_I2_S1	SOUTH POLE
JRM_077	SCI_I2_S1	ATMOSPHERE
JRM_078	SCI_I2_S1	ATMOSPHERE
JRM_079	SCI_I2_S1	ATMOSPHERE
JRM_080	SCI_I2_S1	ATMOSPHERE
JRM_082	SCI_I1_S0	RADIATION
JRM_083	SCI_I2_S1	IO
JRM_084	SCI_I2_S1	IO
JRM_085	SCI_I2_S1	IO
JRM_086	SCI_I2_S1	IO
JRM_087	SCI_I2_S1	IO
JRM_089-JRM_090	SCI_I2_S1	RADIATION
JRM_091	SCI_I2_S1	EUROPA
JRM_092	SCI_I2_S1	EUROPA
JRM_093	SCI_I2_S1	EUROPA
JRM_094	SCI_I2_S1	EUROPA
JRM_095	SCI_I2_S1	EUROPA
JRM_096	CAL_I1_S1	INTERNAL CALIBRATION

Table 1: Scientific Goals

6 DATA COLLECTION OVERWIER

Below a table that give an overwier of the data collected during the activity period JM0091. 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_I2_S1	80 IMG 80 SPE	720	720	0	0
JRM_006	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
From JRM_008 to JRM_014	SCI_I1_S0	21 IMG	126	126	N/A	0
JRM_015	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
JRM_016	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
JRM_017	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
Fro JRM_019 to JRM_023	SCI_I1_S0	9 IMG	54	54	N/A	0
JRM_024	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
JRM_026	SCI_I1_S0	9 IMG	54	54	N/A	0
JRM_027	SCI_I2_S1	80 IMG 80 SPE	720	720	0	0
JRM_029	SCI_I1_S0	9 IMG	54	54	N/A	0
JRM_030	SCI_I3_S1	37 IMG 37 SPE	333	333	0	0
JRM_031	SCI_I3_S1	40 IMG 40 SPE	360	360	0	0
JRM_032	SCI_I3_S1	41 IMG 41 SPE	369	369	0	0
JRM_033	SCI_I3_S1	43 IMG 43 SPE	387	387	0	0
JRM_034	SCI_I3_S1	45 IMG 45 SPE	405	405	0	0
JRM_035	SCI_I3_S1	48 IMG 48 SPE	432	432	0	0
JRM_036	SCI_I3_S1	49 IMG 49 SPE	441	441	0	0
JRM_037	SCI_I3_S1	48 IMG 48 SPE	432	432	0	0
JRM_038	SCI_I3_S1	29 IMG 29 SPE	261	261	0	0

JRM_039	SCI_I2_S1	3 IMG 3 SPE	27	27	0	0
JRM_040	SCI_I2_S1	6 IMG 6 SPE	54	54	0	0
JRM_041	SCI_I2_S1	6 IMG 6 SPE	54	54	0	0
JRM_042	SCI_I2_S1	7 IMG 7 SPE	63	63	0	0
JRM_043	SCI_I2_S1	7 IMG 7 SPE	63	63	0	0
JRM_044	SCI_I2_S1	7 IMG 7 SPE	63	63	0	0
JRM_045	SCI_I2_S1	7 IMG 7 SPE	63	63	0	0
JRM_046	SCI_I2_S1	7 IMG 7 SPE	63	63	0	0
JRM_047	SCI_I2_S1	8 IMG 8 SPE	72	72	0	0
JRM_048	SCI_I2_S1	8 IMG 8 SPE	72	72	0	0
JRM_049	SCI_I2_S1	8 IMG 8 SPE	72	72	0	0
JRM_050	SCI_I2_S1	8 IMG 8 SPE	72	72	0	0
JRM_051	SCI_I2_S1	9 IMG 9 SPE	81	81	0	0
JRM_052	SCI_I2_S1	9 IMG 9 SPE	81	81	0	0
JRM_053	SCI_I2_S1	10 IMG 10 SPE	90	90	0	0
JRM_054	SCI_I2_S1	10 IMG 10 SPE	90	90	0	0
JRM_055	SCI_I2_S1	11 IMG 11 SPE	99	99	0	0
JRM_056	SCI_I2_S1	12 IMG 12 SPE	108	108	0	0
JRM_057	SCI_I2_S1	13 IMG 13 SPE	117	117	0	0
JRM_058	SCI_I2_S1	14 IMG 14 SPE	126	126	0	0
JRM_059	SCI_I2_S1	16 IMG 16 SPE	144	144	0	0
JRM_60	SCI_I2_S1	19 IMG 19 SPE	171	171	0	0
JRM_061	SCI_I2_S1	25 IMG 25 SPE	225	225	0	0
JRM_062	SCI_I2_S1	6 IMG 6 SPE	54	54	0	0
JRM_063	SCI_I2_S1	2 IMG 2 SPE	18	18	0	0
JRM_064	SCI_I2_S1	6 IMG 6 SPE	54	54	0	0
JRM_065	SCI_I2_S1	9 IMG 9 SPE	81	81	0	0
JRM_066	SCI_I2_S1	12 IMG 12 SPE	108	108	0	0

JRM_067	SCI_I2_S1	16 IMG 16 SPE	144	144	0	0
JRM_068	SCI_I2_S1	14 IMG 14 SPE	126	126	0	0
JRM_069	SCI_I2_S1	7 SPE 7 SPE	63	63	0	0
JRM_070	SCI_I2_S1	82 IMG 82 SPE	738	738	0	0
JRM_071	SCI_I2_S1	10 IMG 10 SPE	90	90	0	0
JRM_072	SCI_I2_S1	14 IMG 14 SPE	126	126	0	0
JRM_073	SCI_I2_S1	15 IMG 15 SPE	135	135	0	0
JRM_074	SCI_I2_S1	12 IMG 12 SPE	108	108	0	0
JRM_075	SCI_I2_S1	9 IMG 9 SPE	81	81	0	0
JRM_076	SCI_I2_S1	4 IMG 4 SPE	36	36	0	0
JRM_077	SCI_I2_S1	21 IMG 21 SPE	189	189	0	0
JRM_078	SCI_I2_S1	18 IMG 18 SPE	162	162	0	0
JRM_079	SCI_I2_S1	18 IMG 18 SPE	162	162	0	0
JRM_080	SCI_I2_S1	11 IMG 11 SPE	99	99	0	0
JRM_083	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_084	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_085	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_086	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_087	SCI_I2_S1	3 IMG 3 SPE	27	27	0	0
From JRM_089 to JRM_090	SCI_I1_S0	6 IMG	36	36	N/A	0
JRM_091	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_092	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_093	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_094	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_095	SCI_I2_S1	15 IMG 15 SPE	135	135	0	0
JRM_096	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 = jm0091_JRMa.sasf;
APPLICABLE_START_TIME = 2017-296T17:00:00.000;
APPLICABLE_STOP_TIME = 2017-323T05:00:00.000;
PRODUCT_CREATION_TIME = 2017-269T15:05:05.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0091_JRMa;
HOST_ID = JRM_CMD_091_091_V05.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M01300000001;
$$JNO          SPACECRAFT ACTIVITY SEQUENCE FILE
************************************************************
*PROJECT    JNO
*SPACECRAFT 61
*OPERATOR   JRMTEAM
*FILE_CMPLT TRUE
*DATE       Tue Sept 26 15:05:05 2017
*BEGIN      2017-296T17:00:00.000
*CUTOFF     2017-323T05:00:00.000
*TITLE      jm0091_JRMa
*EPOCHS_DEF
*jm0091_JRM,    2017-296T17:00:00.000
*EPOCHS_END
*Input files used:
*File Type  Last modified          File name
*PACKETS_NUMBER  15612
************************************************************
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
              START_TIME,2017-296T17:00:00.000,
              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","jm0091_JRM","jm0091_JRM.abs","d:/seq")
           ),
     command(2,
              SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
              FILE_DELETE("d:/seq/jm0091_JRM.abs")
           ),
     command(3,
              SCHEDULED_TIME,\026T11:59:58\,FROM_REQUEST_START,
              VM_LOAD(20,"d:/seq/jm0092_JRM.abs")
           ),
 end;

request(JRM_001,
              START_TIME,2017-296T17:53:53.000,
              TITLE, "jm0091_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,2017-296T23:14:53.000,
            TITLE, "jm0091_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,2017-296T23:17:36.000,
            TITLE, "jm0091_JRM_StandBy",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
      command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(111,3)
        ),
      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,2017-296T23:17:48.000,
            TITLE, "jm0091_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,2017-296T23:22:19.000,
                TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,26,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1060,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
              SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
              TEXT,\"Atm. Map"\
            ),
 end;

 request(JRM_006,
                START_TIME,2017-297T00:47:18.000,
                TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,28,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1118,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_007,
                START_TIME,2017-297T01:29:38.000,
                TITLE, "jm0091_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_008,
                START_TIME,2017-297T01:33:15.000,
                TITLE, "jm0091_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_09_001_GoodPxMap_2017-297T01:33:15.000"\
        ),
  end;

request(JRM_009,
              START_TIME,2017-297T01:38:15.000,
              TITLE, "jm0091_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_09_002_GoodPxMap_2017-297T01:38:15.000"\
          ),
  end;

request(JRM_010,
             START_TIME,2017-297T01:43:15.000,
             TITLE, "jm0091_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_09_003_GoodPxMap_2017-297T01:43:15.000"\
            ),
  end;

request(JRM_011,
                START_TIME,2017-297T01:48:15.000,
                TITLE, "jm0091_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_09_004_GoodPxMap_2017-297T01:48:15.000"\
        ),
 end;

request(JRM_012,
                START_TIME,2017-297T01:53:15.000,
                TITLE, "jm0091_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_09_005_GoodPxMap_2017-297T01:53:15.000"\
        ),
 end;

request(JRM_013,
            START_TIME,2017-297T01:58:15.000,
            TITLE, "jm0091_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_09_006_GoodPxMap_2017-297T01:58:15.000"\
                    ),
     end;

request(JRM_014,
                    START_TIME,2017-297T02:03:15.000,
                    TITLE, "jm0091_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,
```

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                        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_09_007_GoodPxMap_2017-297T02:03:15.000"\
                ),
        end;

request(JRM_015,
                  START_TIME,2017-297T02:12:18.000,
                  TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,29,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1186,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
```

```
        command(5,
                SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
  end;

request(JRM_016,
                START_TIME,2017-297T03:37:18.000,
                TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,31,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1265,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
  end;

request(JRM_017,
                START_TIME,2017-297T05:02:18.000,
                TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,34,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1359,"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,\00:42:00\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
                ),
            command(6,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_STOP_HS_REC()
                ),
                note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"Atm. Map"\
                ),
     end;

 request(JRM_018,
                        START_TIME,2017-297T05:44:38.000,
                        TITLE, "jm0091_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_019,
                        START_TIME,2017-297T05:58:15.000,
                        TITLE, "jm0091_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_09_008_Approach_2017-297T05:58:15.000"\
                ),
      end;

request(JRM_020,
                    START_TIME,2017-297T06:18:15.000,
                    TITLE, "jm0091_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,
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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"
,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_09_009_Approach_2017-297T06:18:15.000"\
                ),
         end;

    request(JRM_021,
                    START_TIME,2017-297T06:27:18.000,
                    TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,37,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1474,"NO_SUMMED_SCI")
                ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(5,
                    SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map"\
                ),
         end;
```

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request(JRM_022,
                  START_TIME,2017-297T07:09:38.000,
                  TITLE, "jm0091_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_023,
                  START_TIME,2017-297T07:28:15.000,
                  TITLE, "jm0091_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,
```

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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_09_010_Approach_2017-297T07:28:15.000"\
                ),
      end;

request(JRM_024,
                    START_TIME,2017-297T07:52:18.000,
                    TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,40,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1616,"NO_SUMMED_SCI")
                ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(5,
                    SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atm. Map"\
                ),
      end;

request(JRM_025,
                    START_TIME,2017-297T08:34:38.000,
                    TITLE, "jm0091_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_026,
                    START_TIME,2017-297T08:58:15.000,
```

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                  TITLE, "jm0091_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_09_011_Approach_2017-297T08:58:15.000"\
            ),
  end;

request(JRM_027,
```

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                        START_TIME,2017-297T09:17:18.000,
                        TITLE, "jm0091_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",80,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-1802,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:42:00\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Atm. Map"\
            ),
 end;

request(JRM_028,
                START_TIME,2017-297T09:59:38.000,
                TITLE, "jm0091_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_029,
                START_TIME,2017-297T10:28:15.000,
                TITLE, "jm0091_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)
            ),
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    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_09_012_DarkFrame_2017-297T10:28:15.000"\
        ),
 end;

request(JRM_030,
            START_TIME,2017-297T10:42:17.000,
            TITLE, "jm0091_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",37,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,47,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",171,"NO_SUMMED_SCI")
        ),
    command(3,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
```

```
                     ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
              ),
          command(5,
                  SCHEDULED_TIME,\00:19:47\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
              ),
          command(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_031,
                  START_TIME,2017-297T11:02:47.000,
                  TITLE, "jm0091_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",40,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,47,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",121,"NO_SUMMED_SCI")
              ),
          command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
              ),
          command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
              ),
          command(5,
                  SCHEDULED_TIME,\00:21:20\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
              ),
          command(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_032,
                  START_TIME,2017-297T11:24:47.000,
                  TITLE, "jm0091_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",41,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,46,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",124,"NO_SUMMED_SCI")
              ),
```

```
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:21:51\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_033,
                START_TIME,2017-297T11:47:17.000,
                TITLE, "jm0091_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",43,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,46,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",128,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:22:53\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_034,
                START_TIME,2017-297T12:10:47.000,
                TITLE, "jm0091_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",45,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,46,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",134,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:23:55\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_035,
                START_TIME,2017-297T12:35:17.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",48,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,45,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",139,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:25:28\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_036,
                START_TIME,2017-297T13:01:17.000,
                TITLE, "jm0091_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",49,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",280,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:25:59\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_037,
                START_TIME,2017-297T13:27:47.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,0)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I3_S1",48,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,44,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"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,\00:25:28\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_038,
                START_TIME,2017-297T13:53:47.000,
                TITLE, "jm0091_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",29,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,43,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"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,\"N. Aurora"\
                ),
 end;

request(JRM_039,
                    START_TIME,2017-297T14:09:46.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2475)
                ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",3,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,930,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1313,"NO_SUMMED_SCI")
                ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(5,
                    SCHEDULED_TIME,\00:02:13\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"North Pole"\
                ),
 end;

request(JRM_040,
                    START_TIME,2017-297T14:12:46.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
```

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

JRM_SCI_PAR("SCI_I2_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,372,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1311,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:03:46\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
     end;

request(JRM_041,
                START_TIME,2017-297T14:17:16.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,372,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1306,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:03:46\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
     end;

request(JRM_042,
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                        START_TIME,2017-297T14:21:46.000,
                        TITLE, "jm0091_JRM_Science",
                        REQUESTOR, "JRMTEAM",
                        PROCESSOR, "VC2",
                        KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,371,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1301,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:04:17\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_043,
                START_TIME,2017-297T14:26:46.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,371,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1294,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:04:17\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
```

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        end;

request(JRM_044,
                START_TIME,2017-297T14:31:46.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,371,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1286,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:04:17\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
     end;

request(JRM_045,
                START_TIME,2017-297T14:36:46.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,370,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1276,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:04:17\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
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                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"North Pole"\
                ),
    end;

request(JRM_046,
                    START_TIME,2017-297T14:41:46.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,2475)
                ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,370,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1264,"NO_SUMMED_SCI")
                ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
        command(5,
                    SCHEDULED_TIME,\00:04:17\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
            note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"North Pole"\
                ),
    end;

request(JRM_047,
                    START_TIME,2017-297T14:46:46.000,
                    TITLE, "jm0091_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",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,370,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1250,"NO_SUMMED_SCI")
                ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
        command(5,
                    SCHEDULED_TIME,\00:04:48\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

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

request(JRM_048,
                  START_TIME,2017-297T14:52:16.000,
                  TITLE, "jm0091_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",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,369,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1232,"NO_SUMMED_SCI")
              ),
        command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
              ),
        command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
              ),
        command(5,
                  SCHEDULED_TIME,\00:04:48\,FROM_PREVIOUS_START,
                  JRM_ERROR_LOG()
              ),
        command(6,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_STOP_HS_REC()
              ),
            note(1,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  TEXT,\"North Pole"\
              ),
   end;

request(JRM_049,
                  START_TIME,2017-297T14:57:46.000,
                  TITLE, "jm0091_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",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,369,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1210,"NO_SUMMED_SCI")
              ),
        command(3,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_START_HS_REC()
              ),
        command(4,
                  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                  JRM_SCIENCE()
              ),
        command(5,
                  SCHEDULED_TIME,\00:04:48\,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,\"North Pole"\
        ),
 end;

request(JRM_050,
            START_TIME,2017-297T15:03:16.000,
            TITLE, "jm0091_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",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,368,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1184,"NO_SUMMED_SCI")
        ),
        command(3,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:04:48\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
         note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\"North Pole"\
        ),
 end;

request(JRM_051,
            START_TIME,2017-297T15:08:46.000,
            TITLE, "jm0091_JRM_Science",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
        command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(74,2475)
        ),
        command(2,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",9,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,368,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1152,"NO_SUMMED_SCI")
        ),
        command(3,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
```

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        command(5,
                SCHEDULED_TIME,\00:05:19\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_052,
                START_TIME,2017-297T15:14:46.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",9,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,367,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1109,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:19\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_053,
                START_TIME,2017-297T15:20:46.000,
                TITLE, "jm0091_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",10,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,367,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",1059,"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,\00:05:50\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
   end;

request(JRM_054,
                START_TIME,2017-297T15:27:16.000,
                TITLE, "jm0091_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",10,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,366,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",991,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:50\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
   end;

request(JRM_055,
                START_TIME,2017-297T15:33:45.000,
                TITLE, "jm0091_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",11,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,365,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",907,"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,\00:06:21\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
                ),
        command(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_056,
                START_TIME,2017-297T15:40:45.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
                ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",12,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,364,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",794,"NO_SUMMED_SCI")
                ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
                ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
                ),
        command(5,
                SCHEDULED_TIME,\00:06:53\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
                ),
        command(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_057,
                START_TIME,2017-297T15:48:15.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
                ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",13,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,362,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",639,"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,\00:07:24\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
         note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\"North Pole"\
        ),
 end;

request(JRM_058,
            START_TIME,2017-297T15:56:15.000,
            TITLE, "jm0091_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",14,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,360,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",421,"NO_SUMMED_SCI")
        ),
        command(3,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:07:55\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(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_059,
            START_TIME,2017-297T16:04:45.000,
            TITLE, "jm0091_JRM_Science",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
        command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(74,2475)
        ),
        command(2,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
```

```
JRM_SCI_PAR("SCI_I2_S1",16,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,357,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",110,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:08:57\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_060,
                START_TIME,2017-297T16:14:15.000,
                TITLE, "jm0091_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",19,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,351,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-380,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:10:30\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_061,
                START_TIME,2017-297T16:25:14.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
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            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",25,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,337,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1235,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:13:37\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_062,
                START_TIME,2017-297T16:39:14.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,319,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-3060,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:03:46\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_063,
                START_TIME,2017-297T16:43:43.000,
                TITLE, "jm0091_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",2,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1688,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",2100,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:01:42\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_064,
                START_TIME,2017-297T16:46:13.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,406,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",1329,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:03:46\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
 end;

request(JRM_065,
                START_TIME,2017-297T16:50:43.000,
                TITLE, "jm0091_JRM_Science",
```

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

JRM_SCI_PAR("SCI_I2_S1",9,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,378,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",276,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:19\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
         note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"North Pole"\
            ),
  end;

request(JRM_066,
                START_TIME,2017-297T16:56:43.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",12,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,320,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-1663,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:06:52\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_067,
                START_TIME,2017-297T17:04:12.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",16,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,177,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-5241,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:08:56\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_068,
                START_TIME,2017-297T17:13:41.000,
                TITLE, "jm0091_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",14,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW",
"POINT",-57343,50,5000,"LOW","LOW","SPIN",-11103,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:53\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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"\
```

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            ),
  end;
request(JRM_069,
                START_TIME,2017-297T17:22:10.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",7,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW","
POINT",-57343,50,5000,"LOW","LOW","SPIN",-15206,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:04:16\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_070,
                START_TIME,2017-297T17:27:09.000,
                TITLE, "jm0091_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",82,1,41,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-389,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:43:01\,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,\""\
            ),
    end;

request(JRM_071,
                START_TIME,2017-297T18:11:01.000,
                TITLE, "jm0091_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",10,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,77,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",10929,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:50\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"South Pole"\
            ),
    end;

request(JRM_072,
                START_TIME,2017-297T18:17:30.000,
                TITLE, "jm0091_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",14,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,253,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",6492,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:07:54\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
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                    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_073,
                  START_TIME,2017-297T18:25:59.000,
                  TITLE, "jm0091_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",15,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,358,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",2295,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:08:26\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(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_074,
                  START_TIME,2017-297T18:34:59.000,
                  TITLE, "jm0091_JRM_Science",
                  REQUESTOR, "JRMTEAM",
                  PROCESSOR, "VC2",
                  KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",12,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,409,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",215,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:06:53\,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,\"South Pole"\
            ),
  end;

request(JRM_075,
                START_TIME,2017-297T18:42:28.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,2475)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",9,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,432,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-342,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:05:19\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"South Pole"\
            ),
  end;

request(JRM_076,
                START_TIME,2017-297T18:48:28.000,
                TITLE, "jm0091_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",4,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,740,50,5000,"LOW","LOW"
,"POINT",-57343,50,5000,"LOW","LOW","SPIN",-214,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
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        ),
      command(5,
            SCHEDULED_TIME,\00:02:44\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
      command(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_077,
            START_TIME,2017-297T18:51:58.000,
            TITLE, "jm0091_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",21,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,542,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-5513,"NO_SUMMED_SCI")
        ),
      command(3,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
      command(4,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
      command(5,
            SCHEDULED_TIME,\00:11:33\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
      command(6,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
       note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\"Atmosphere"\
        ),
 end;

request(JRM_078,
            START_TIME,2017-297T19:03:57.000,
            TITLE, "jm0091_JRM_Science",
            REQUESTOR, "JRMTEAM",
            PROCESSOR, "VC2",
            KEY, "No_Key")
      command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(74,2475)
        ),
      command(2,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",18,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,574,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-4957,"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,\00:10:00\,FROM_PREVIOUS_START,
               JRM_ERROR_LOG()
            ),
        command(6,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               JRM_STOP_HS_REC()
            ),
          note(1,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               TEXT,\"Atmosphere"\
            ),
     end;

request(JRM_079,
               START_TIME,2017-297T19:14:27.000,
               TITLE, "jm0091_JRM_Science",
               REQUESTOR, "JRMTEAM",
               PROCESSOR, "VC2",
               KEY, "No_Key")
        command(1,
               SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
               JRM_SET_PAR(74,2475)
            ),
        command(2,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",18,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,522,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-4514,"NO_SUMMED_SCI")
            ),
        command(3,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               JRM_START_HS_REC()
            ),
        command(4,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               JRM_SCIENCE()
            ),
        command(5,
               SCHEDULED_TIME,\00:10:00\,FROM_PREVIOUS_START,
               JRM_ERROR_LOG()
            ),
        command(6,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               JRM_STOP_HS_REC()
            ),
          note(1,
               SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
               TEXT,\"Atmosphere"\
            ),
     end;

request(JRM_080,
               START_TIME,2017-297T19:24:57.000,
               TITLE, "jm0091_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",11,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,818,50,5000,"LOW","LOW
","POINT",-57343,50,5000,"LOW","LOW","SPIN",-4153,"NO_SUMMED_SCI")
            ),
        command(3,
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                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(5,
                    SCHEDULED_TIME,\00:06:23\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
                ),
            command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Atmosphere"\
                ),
     end;

    request(JRM_081,
                    START_TIME,2017-297T19:31:40.000,
                    TITLE, "jm0091_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_082,
                    START_TIME,2017-297T19:32:13.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
            command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(92,153)
                ),
            command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I1_S0",1,1,0,"IDIS_SDIS","HSSL","ENABLE","RN","DISABLE",0,0,0,0,"LOW","LOW","POINT"
,28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
                ),
            command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_GET_PAR(6000)
                ),
            command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
                ),
            command(5,
                    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
                ),
            command(6,
                    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
                ),
            command(7,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SET_PAR(92,8174)
                ),
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        command(8,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Radiation_Sequence_09_013_PolarRegion_2017-297T19:32:13.000"\
            ),
  end;

request(JRM_083,
                START_TIME,2017-297T19:34:56.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1875)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,23,1250,5000,"LOW","LO
W","POINT",-57343,1250,5000,"LOW","LOW","SPIN",21242,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
            ),
  end;

request(JRM_084,
                START_TIME,2017-297T19:44:56.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1875)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,18,1250,5000,"LOW","LO
W","POINT",-57343,1250,5000,"LOW","LOW","SPIN",21429,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\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,\00:09:27\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Io"\
            ),
  end;

request(JRM_085,
                    START_TIME,2017-297T19:54:56.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,1875)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,14,1250,5000,"LOW","LO
W","POINT",-57343,1250,5000,"LOW","LOW","SPIN",21534,"NO_SUMMED_SCI")
            ),
        command(3,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_START_HS_REC()
            ),
        command(4,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_SCIENCE()
            ),
        command(5,
                    SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                    JRM_ERROR_LOG()
            ),
        command(6,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    JRM_STOP_HS_REC()
            ),
             note(1,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                    TEXT,\"Io"\
            ),
  end;

request(JRM_086,
                    START_TIME,2017-297T20:04:56.000,
                    TITLE, "jm0091_JRM_Science",
                    REQUESTOR, "JRMTEAM",
                    PROCESSOR, "VC2",
                    KEY, "No_Key")
        command(1,
                    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                    JRM_SET_PAR(74,1875)
            ),
        command(2,
                    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,13,1250,5000,"LOW","LO
W","POINT",-57343,1250,5000,"LOW","LOW","SPIN",21546,"NO_SUMMED_SCI")
            ),
        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,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
            ),
 end;

request(JRM_087,
                START_TIME,2017-297T20:14:56.000,
                TITLE, "jm0091_JRM_Science",
                REQUESTOR, "JRMTEAM",
                PROCESSOR, "VC2",
                KEY, "No_Key")
        command(1,
                SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                JRM_SET_PAR(74,1875)
            ),
        command(2,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_PAR("SCI_I2_S1",3,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,102,1250,5000,"LOW","LO
W","POINT",-57343,1250,5000,"LOW","LOW","SPIN",21529,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:02:13\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Io"\
            ),
 end;

request(JRM_088,
                START_TIME,2017-297T20:17:29.000,
                TITLE, "jm0091_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_089,
                START_TIME,2017-297T20:35:15.000,
                TITLE, "jm0091_JRM_Science",
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                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_09_014_PolarRegion_2017-297T20:35:15.000"\
            ),
    end;

request(JRM_090,
            START_TIME,2017-297T21:51:15.000,
```

```
                    TITLE, "jm0091_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_09_015_EFP_SMainAurOval_2017-297T21:51:15.000"\
            ),
   end;

request(JRM_091,
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                        START_TIME,2017-297T23:58:54.000,
                        TITLE, "jm0091_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",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,11,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",22249,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Europa"\
            ),
 end;

request(JRM_092,
                START_TIME,2017-298T00:08:54.000,
                TITLE, "jm0091_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",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,11,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",22068,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
            note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Europa"\
            ),
```

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          end;
request(JRM_093,
                  START_TIME,2017-298T00:18:54.000,
                  TITLE, "jm0091_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",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,11,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",21886,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                TEXT,\"Europa"\
            ),
 end;

request(JRM_094,
                  START_TIME,2017-298T00:28:54.000,
                  TITLE, "jm0091_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",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,11,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",21702,"NO_SUMMED_SCI")
            ),
        command(3,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_START_HS_REC()
            ),
        command(4,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_SCIENCE()
            ),
        command(5,
                SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
                JRM_ERROR_LOG()
            ),
        command(6,
                SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                JRM_STOP_HS_REC()
            ),
          note(1,
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                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"Europa"\
                ),
        end;

request(JRM_095,
                        START_TIME,2017-298T00:38:54.000,
                        TITLE, "jm0091_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",15,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,11,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",21537,"NO_SUMMED_SCI")
                ),
        command(3,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_START_HS_REC()
                ),
        command(4,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_SCIENCE()
                ),
        command(5,
                        SCHEDULED_TIME,\00:08:25\,FROM_PREVIOUS_START,
                        JRM_ERROR_LOG()
                ),
        command(6,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        JRM_STOP_HS_REC()
                ),
            note(1,
                        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                        TEXT,\"Europa"\
                ),
        end;

request(JRM_096,
                        START_TIME,2017-298T00:47:39.000,
                        TITLE, "jm0091_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_097,
                 START_TIME,2017-298T00:51:59.000,
                 TITLE, "jm0091_JRM-POWER_OFF",
                 REQUESTOR, "JRMTEAM",
                 PROCESSOR, "VC2",
                 KEY, "No_Key")
     command(1,
                 SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
                 VM_LOAD(21,"d:/seq/hlfp_spm_safe_jiram.mod")
            ),
            note(1,
                 SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
                 TEXT,\"NaN"\
            ),
 end;

request(JRM_098,
                 START_TIME,2017-298T00:52:15.000,
                 TITLE, "jm0091_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
```