



Juno JIRAM

Report JM0101

JIR-IAPS-SY-010-2018

Version 1.0

May 30, 2018

Prepared by:

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

Approved by:

A. Adriani

		JIR-IAPS-SY-010-2018		
		Issue	1.0	30/05/18
	JUNO/JIRAM		Page	2

Table of Contents

1	INTRODUCTION	3
2	REFERENCES	3
3	ACTIVITY DESCRIPTION	3
4	RADIATIONS ACQUISITION	5
5	SCIENTIFIC GOALS	5
6	DATA COLLECTION OVERWIER	6
	A.1 Commanding file (saf)	9

List of Figures

Figure 1:	<i>North Poles Coverage - Imager filter M.</i>	4
Figure 2:	<i>South Aurora - Imager filter L.</i>	4

List of Tables

Table 1:	<i>Scientific Goals</i>	6
Table 2:	<i>Data Overwier</i>	8

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	3	of

1 INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0101 (PJ10), 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. Latri, 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 PJ10 pass, JIRAM could have a partial coverage of the North Poles of Jupiter (see figure 2) and the coverage of the South Aurora. 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. Moreover, observations of the Jupiter's moons IO and Ganymede have also been done (not reported in the figures). During this PJ, JIRAM performed from -16:23 PJ to -02:30 PJ dedicated radiation and calibration observations.

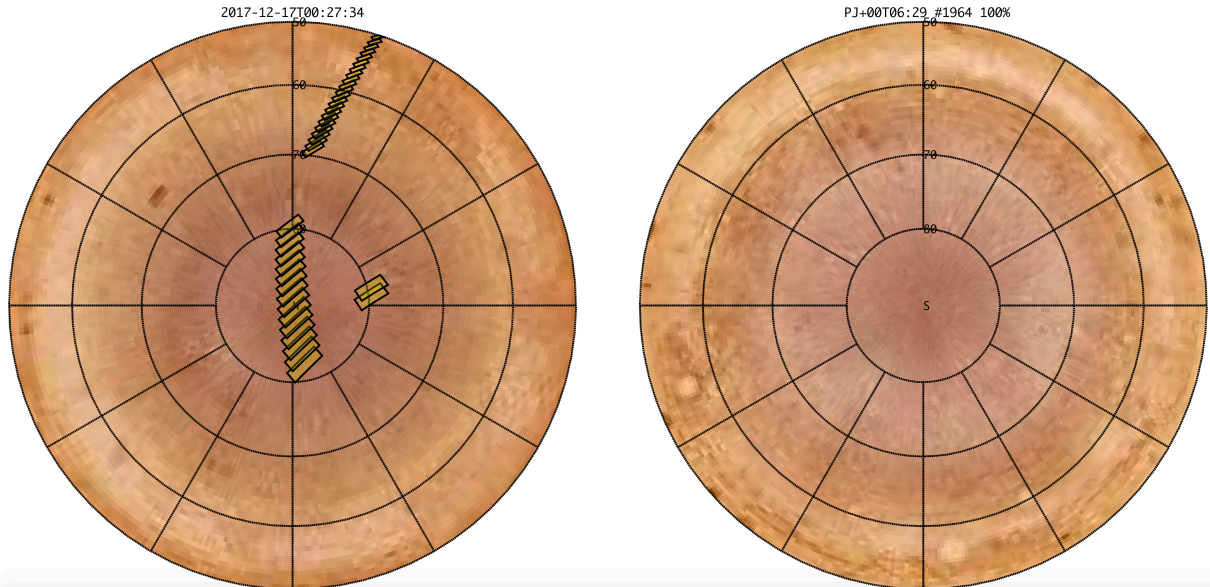


Figure 1: North Poles Coverage - Imager filter M.

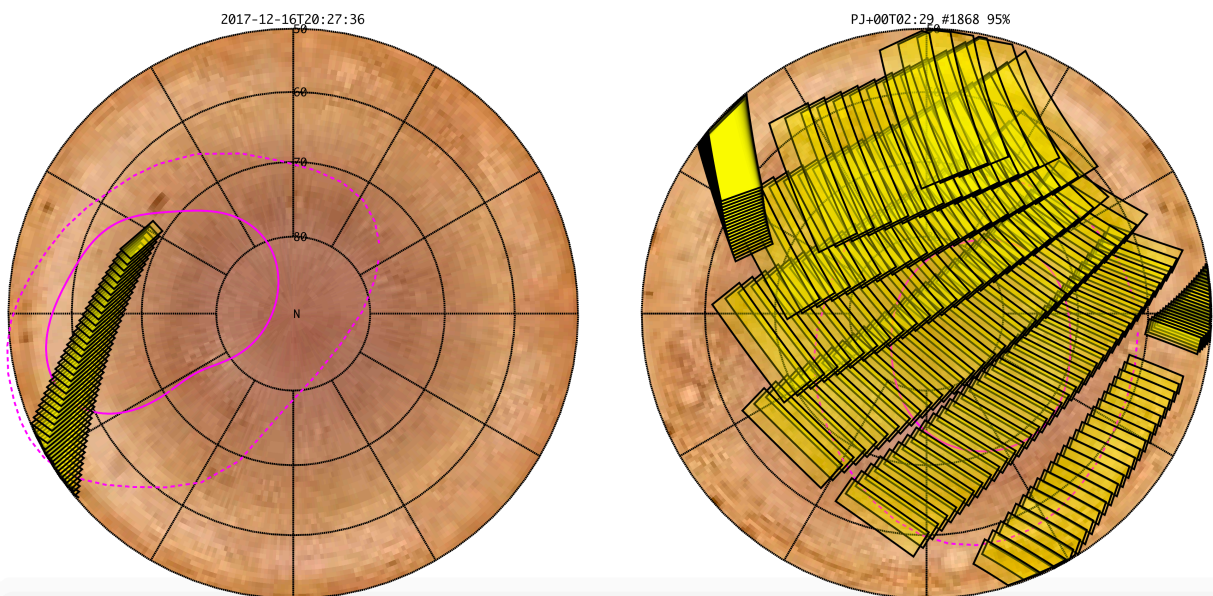


Figure 2. South Aurora - Imager filter L.

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 synchrotron emission region of the inner magnetosphere.

5 SCIENTIFIC GOALS

Below is a table that describes for each science block in the commanding file the relative operative mode and the scientific objectives. The files relating to the various science blocks are shown in the file “JIR_STATUS_EDR_2017350T004938_V01.CSV” in the INDEX directory.

JRM (sarf)	Operative Mode	Goals
JRM_004	CAL_I1_S1	INTERNAL CALIBRATION
From JRM_005 to JRM_011	SCI_I1_S0	RADIATION
JRM_012	SCI_I3_S1	RADIATION+CALIBRATION
JRM_013	SCI_I3_S1	RADIATION+CALIBRATION
JRM_014	SCI_I3_S1	RADIATION+CALIBRATION
JRM_015	SCI_I3_S1	RADIATION+CALIBRATION
JRM_016	SCI_I1_S0	RADIATION
JRM_017	SCI_I3_S1	RADIATION+CALIBRATION
JRM_018	SCI_I3_S1	RADIATION+CALIBRATION
JRM_019	SCI_I3_S1	RADIATION+CALIBRATION
JRM_020	SCI_I3_S1	RADIATION+CALIBRATION
JRM_021	SCI_I1_S0	RADIATION
JRM_022	SCI_I3_S1	RADIATION+CALIBRATION
JRM_023	SCI_I3_S1	RADIATION+CALIBRATION
JRM_024	SCI_I3_S1	RADIATION+CALIBRATION
JRM_025	SCI_I1_S0	RADIATION
JRM_026	SCI_I3_S1	RADIATION+CALIBRATION
JRM_027	SCI_I1_S0	RADIATION
JRM_028	SCI_I3_S1	RADIATION+CALIBRATION
JRM_029	SCI_I1_S0	RADIATION
JRM_030	SCI_I3_S1	RADIATION+CALIBRATION
From JRM_031 To JRM_034	SCI_I1_S0	RADIATION
JRM_035	SCI_I2_S1	GANYMEDE
JRM_036	SCI_I2_S1	GANYMEDE
JRM_037	SCI_I2_S1	GANYMEDE
JRM_038	SCI_I1_S0	RADIATION

JRM_039	SCI_12_S1	GANYMEDE
FROM JRM_040 TO JRM_041	SCI_11_S0	RADIATION
JRM_042	SCI_13_S1	IO FOOTPRINT
JRM_043	SCI_12_S1	NORTH POLE
JRM_044	SCI_12_S1	NORTH POLE
JRM_045	SCI_12_S1	NADIR
JRM_047	SCI_11_S0	RADIATION
JRM_048	SCI_12_S1	NADIR
JRM_050	SCI_11_S0	RADIATION
JRM_051	SCI_12_S1	NADIR
FROM JRM_053 TO JRM_054	SCI_11_S0	RADIATION
JRM_055	SCI_13_S1	SOUTH AURORE
JRM_056	SCI_13_S1	SOUTH AURORE
JRM_057	SCI_13_S1	SOUTH AURORE
JRM_058	SCI_13_S1	SOUTH AURORE
JRM_059	SCI_13_S1	SOUTH AURORE
JRM_60	SCI_13_S1	SOUTH AURORE
JRM_061	SCI_13_S1	SOUTH AURORE
JRM_062	SCI_13_S1	SOUTH AURORE
JRM_063	SCI_13_S1	SOUTH AURORE
JRM_064	SCI_12_S1	IO
JRM_065	SCI_12_S1	IO
JRM_066	SCI_12_S1	IO
JRM_067	SCI_12_S1	IO
JRM_068	SCI_12_S1	IO
JRM_069	CAL_11_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 JM0101. 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_11_S1	6 IMG 6 SPE	72	72	0	0
From JRM_005 to JRM_011	SCI_11_S0	21 IMG	126	126	N/A	0
JRM_012	SCI_13_S1	73 IMG 73 SPE	657	657	0	0
JRM_013	SCI_11_S0	3 IMG	18	18	N/A	0
JRM_014	SCI_13_S1	73 IMG 73 SPE	657	657	0	0

JRM_015	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_016	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_017	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_018	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_019	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_020	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_021	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_022	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_023	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_024	SCI_I3_S1	73 IMG 73 SPE	657	657	0	0
JRM_025	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_026	SCI_I3_S1	43 IMG 43 SPE	387	387	0	0
JRM_027	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_028	SCI_I3_S1	68 IMG 68 SPE	612	612	0	0
JRM_029	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_030	SCI_I3_S1	44 IMG 44 SPE	396	396	0	0
From JRM_031 To JRM_034	SCI_I1_S0	12 IMG	216	216	N/A	0
JRM_035	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_036	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_037	SCI_I2_S1	14 IMG 14 SPE	126	126	0	0
JRM_038	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_039	SCI_I2_S1	13 IMG 13 SPE	117	117	0	0
From JRM_040 To JRM_041	SCI_I1_S0	6 IMG	36	36	N/A	0
JRM_042	SCI_I3_S1	56 IMG 56 SPE	504	504	0	0
JRM_043	SCI_I2_S1	15 IMG 15 SPE	135	135	0	0
JRM_044	SCI_I2_S1	2 IMG 2 SPE	18	18	0	0
JRM_045	SCI_I2_S1	22 IMG 22 SPE	198	198	0	0
JRM_047	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_048	SCI_I2_S1	18 IMG 18 SPE	162	162	0	0

JRM_050	SCI_I1_S0	3 IMG	18	18	N/A	0
JRM_051	SCI_I2_S1	19 IMG 19 SPE	18	18	0	0
From JRM_053 to JRM_054	SCI_I1_S0	6 IMG	36	36	N/A	0
JRM_055	SCI_I3_S1	34 IMG 34 SPE	306	306	0	0
JRM_056	SCI_I3_S1	23 IMG 23 SPE	207	207	0	0
JRM_057	SCI_I3_S1	36 IMG 36 SPE	324	324	0	0
JRM_058	SCI_I3_S1	29 IMG 29 SPE	261	261	0	0
JRM_059	SCI_I3_S1	23 IMG 23 SPE	207	207	0	0
JRM_60	SCI_I3_S1	18 IMG 18 SPE	162	162	0	0
JRM_061	SCI_I3_S1	12 IMG 12 SPE	108	108	0	0
JRM_062	SCI_I3_S1	3 IMG 3 SPE	27	27	0	0
JRM_063	SCI_I3_S1	21 IMG 21 SPE	189	189	0	0
JRM_064	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_065	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_066	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_067	SCI_I2_S1	17 IMG 17 SPE	153	153	0	0
JRM_068	SCI_I2_S1	13 IMG 13 SPE	117	117	0	0
JRM_069	CAL_I1_S1	7 SPE 7 SPE	63	63	0	0

Table 2: Data Overview

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	9	of	55

A.1 Commanding file (sasf)

```

CCSD3ZF0000100000001NJPL3KS0L015$$MARK$$;
MISSION_NAME = JUNO;
SPACECRAFT_NAME = JUNO;
DATA_SET_ID = SPACECRAFT_ACTIVITY_SEQUENCE_JRM;
FILE_NAME = jm0101_JRMa.sasf;
APPLICABLE_START_TIME = 2017-349T17:00:00.000;
APPLICABLE_STOP_TIME = 2018-011T03:00:00.000;
PRODUCT_CREATION_TIME = 2017-311T14:35:35.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0101_JRMa;
HOST_ID = JRM_CMD_101_101_V02.jrm;
CCSD3RE00000$$MARK$$NJPL3IF0M013000000001;
$$JNO      SPACECRAFT ACTIVITY SEQUENCE FILE
*****
*PROJECT      JNO
*SPACECRAFT   61
*OPERATOR     JRMTEAM
*FILE_CPLT    TRUE
*DATE         Tue Nov 07 14:35:35 2017
*BEGIN        2017-349T17:00:00.000
*CUTOFF       2018-011T03:00:00.000
*TITLE        jm0101_JRMa
*EPOCHS_DEF
*jm0101_JRM,  2017-349T17:00:00.000
*EPOCHS_END
*Input files used:
*File Type   Last modified           File name
*PACKETS_NUMBER 13437
*****
$$EOH
$$EOD
request(JRM_Sequence_Management_Request,
        START_TIME,2017-349T17:00:00.000,
        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","jm0101_JRM","jm0101_JRM.abs","d:/seq")
        ),
        command(2,
        SCHEDULED_TIME,\00:00:30\,FROM_PREVIOUS_START,
        FILE_DELETE("d:/seq/jm0101_JRM.abs")
        ),
        command(3,
        SCHEDULED_TIME,\026T09:59:58\,FROM_REQUEST_START,
        VM_LOAD(20,"d:/seq/jm0102_JRM.abs")
        ),
        end;

request(JRM_001,
        START_TIME,2017-349T19:25:04.000,
        TITLE, "jm0101_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")
        ),

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
JUNO/JIRAM			Page	10	of 55

```

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

request(JRM_002,
    START_TIME,2017-350T00:46:04.000,
    TITLE, "jm0101_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,2017-350T00:48:47.000,
    TITLE, "jm0101_JRM_StandBy",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(111,2)
    ),
    command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STANDBY("ON","ON","ON")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I2_S3",120,1,10,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,956,2,150,"LOW","LOW",
        "POINT",-57343,2,150,"LOW","LOW","SPIN",0,"NO_SUMMED_SCI")
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"NaN\"
    ),
end;

request(JRM_004,
    START_TIME,2017-350T00:48:59.000,
    TITLE, "jm0101_JRM_Calibration",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_CAL_PAR(8,14,8,14,30,700,30,700,30,700,30,700,200,200,153,153)
    ),
    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()

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	11	of

```

),
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,2017-350T00:58:15.000,
  TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	12

```

        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_10_001_GoodPxMap_2017-350T00:58:15.000\"
    ),
end;

request (JRM_006,
    START_TIME,2017-350T01:03:15.000,
    TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
			Page	13	of 55

```

        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_10_002_GoodPxMap_2017-350T01:03:15.000\"
    ),
end;

request(JRM_007,
    START_TIME,2017-350T01:08:15.000,
    TITLE,\"jm0101_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)
    ),

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	14	of

```

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_10_003_GoodPxMap_2017-350T01:08:15.000\"
),
end;

request(JRM_008,
    START_TIME,2017-350T01:13:15.000,
    TITLE,\"jm0101_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)
)

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
JUNO/JIRAM			Page	15	of 55

```

),
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_10_004_GoodPxMap_2017-350T01:13:15.000\"
),
end;

request(JRM_009,
    START_TIME,2017-350T01:18:15.000,
    TITLE,\"jm0101_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,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
JUNO/JIRAM			Page	16	of 55

```

        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_10_005_GoodPxMap_2017-350T01:18:15.000\"
    ),
end;

request(JRM_010,
    START_TIME,2017-350T01:23:15.000,
    TITLE, "jm0101_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,

```


			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	17	of

```

        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_10_006_GoodPxMap_2017-350T01:23:15.000\"
    ),
end;

request(JRM_011,
    START_TIME,2017-350T01:28:15.000,
    TITLE,\"jm0101_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\")
    ),

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	18	of	55

```

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_10_007_GoodPxMap_2017-350T01:28:15.000\"
),
end;

request(JRM_012,
    START_TIME,2017-350T01:32:54.000,
    TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-28,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"RAD+CAL\"
),
end;

request(JRM_013,
    START_TIME,2017-350T02:32:01.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,0)

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	19	of	55

```

),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I3_S1",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-28,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"RAD+CAL\"
),
end;

request(JRM_014,
    START_TIME,2017-350T03:31:08.000,
    TITLE,"jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-29,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"RAD+CAL\"
),
end;

request(JRM_015,
    START_TIME,2017-350T04:30:15.000,
    TITLE,"jm0101_JRM_Science",
    REQUESTOR,"JRMTEAM",
    PROCESSOR,"VC2",
    KEY,"No_Key")

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	20	of

```

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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-29,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"RAD+CAL\"
),
end;

request(JRM_016,
    START_TIME,2017-350T05:43:15.000,
    TITLE,"jm0101_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()
)

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
			Page	21	of 55

```

),
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_10_008_Approach_2017-350T05:43:15.000\"
),
end;

request(JRM_017,
    START_TIME,2017-350T05:47:54.000,
    TITLE,"jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-29,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"RAD+CAL\"
),
end;

request(JRM_018,
    START_TIME,2017-350T06:47:01.000,

```

				JIR-IAPS-SY-010-2018		
				Issue	1.0	30/05/18
	JUNO/JIRAM			Page	22	of 55

```

TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-29,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
  JRM_ERROR_LOG()
),
command(6,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_STOP_HS_REC()
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,\ "RAD+CAL"\
),
end;

request(JRM_019,
  START_TIME,2017-350T07:46:08.000,
  TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-29,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
  JRM_ERROR_LOG()
),
command(6,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_STOP_HS_REC()
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,\ "RAD+CAL"\
),
end;

```

		JIR-IAPS-SY-010-2018		
		Issue	1.0	30/05/18
JUNO/JIRAM		Page	23	of 55

```

request (JRM_020,
        START_TIME,2017-350T08:45:15.000,
        TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-30,"NO_SUMMED_SCI")
        ),
command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
        ),
command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
        ),
command(5,
        SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
        ),
command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
        ),
        note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\ "RAD+CAL" \
        ),
end;

request (JRM_021,
        START_TIME,2017-350T09:43:15.000,
        TITLE, "jm0101_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")
        ),

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	24	of	55

```

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_10_009_DarkFrame_2017-350T09:43:15.000\"
),
end;

request(JRM_022,
    START_TIME,2017-350T09:47:52.000,
    TITLE,"jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-30,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,

```


			JIR-IAPS-SY-010-2018	
			Issue	1.0
JUNO/JIRAM			Page	25 of 55

```

        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"RAD+CAL\"
    ),
end;

request(JRM_023,
    START_TIME,2017-350T10:46:59.000,
    TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-31,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"RAD+CAL\"
    ),
end;

request(JRM_024,
    START_TIME,2017-350T11:46:06.000,
    TITLE, "jm0101_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",73,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1593,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-32,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:38:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	26	of	55

```

        JRM_STOP_HS_REC ()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"RAD+CAL\"
    ),
end;

request (JRM_025,
    START_TIME,2017-350T12:28:15.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_P&Agrave;(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_P&Agrave;(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_P&Agrave;(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_P&Agrave;(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_P&Agrave;(92,8174)
),
command(14,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
JUNO/JIRAM			Page	27 of 55

```

        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"Radiation_Sequence_10_010_Approach_2017-350T12:28:15.000\"
    ),
end;

request(JRM_026,
    START_TIME,2017-350T12:33:12.000,
    TITLE, "jm0101_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",0,2731,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-33,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:23:24\,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,\"RAD+CAL\"
    ),
end;

request(JRM_027,
    START_TIME,2017-350T12:58:15.000,
    TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	28	of	55

```

    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_10_011_Approach_2017-350T12:58:15.000\"
  ),
end;

request(JRM_028,
  START_TIME,2017-350T13:05:15.000,
  TITLE, "jm0101_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",68,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,1712,5000,5000,"LOW","
LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-34,"NO_SUMMED_SCI")
  ),
  command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC ()
  ),
  command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE ()
  ),
  command(5,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	29

```

        SCHEDULED_TIME,\00:36:19\,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,\"RAD+CAL\"
    ),
end;

request(JRM_029,
    START_TIME,2017-350T13:43:15.000,
    TITLE, "jm0101_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()
    ),

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	30	of

```

command(13,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SET_P&Agrave;(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_10_012_Approach_2017-350T13:43:15.000\"
    ),
end;

request(JRM_030,
    START_TIME,2017-350T13:47:50.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_P&Agrave;(74,0)
),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCI_P&Agrave;("SCI_I3_S1",44,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,2667,5000,5000,"LOW","LOW",
    "POINT",-57343,5000,5000,"LOW","LOW","SPIN",-36,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:23:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"RAD+CAL\"
    ),
end;

request(JRM_031,
    START_TIME,2017-350T14:13:15.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_P&Agrave;(92,153)
),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCI_P&Agrave;("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_P&Agrave;(6000)
),
command(4,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	31

```

        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_10_013_Approach_2017-350T14:13:15.000\"
    ),
end;

request(JRM_032,
    START_TIME,2017-350T14:38:15.000,
    TITLE,"jm0101_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)
    ),

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	32	of	55

```

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_10_014_Approach_IFT_2017-350T14:38:15.000\"
),
end;

request(JRM_033,
    START_TIME,2017-350T14:58:15.000,
    TITLE,"jm0101_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)
)

```


			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	33	of	55

```

),
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_10_015_Approach_IPT_2017-350T14:58:15.000\"
),
end;

request(JRM_034,
    START_TIME,2017-350T15:18:15.000,
    TITLE,"jm0101_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,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	34	of

```

        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_10_016_Approach_IPT_2017-350T15:18:15.000\"
    ),
end;

request(JRM_035,
    START_TIME,2017-350T15:24:31.000,
    TITLE, "jm0101_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",0,46,5000,5000,"LOW","LOW",
        "POINT",-57343,5000,5000,"LOW","LOW","SPIN",15015,"NO_SUMMED_SCI")
    ),
    command(3,

```

			JIR-IAPS-SY-010-2018			
			Issue	1.0	30/05/18	
JUNO/JIRAM			Page	35	of	55

```

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

request(JRM_036,
    START_TIME,2017-350T15:34:32.000,
    TITLE,\"jm0101_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\",0,49,5000,5000,\"LOW\",\"LOW\",
        \"POINT\",-57343,5000,5000,\"LOW\",\"LOW\",\"SPIN\",15588,\"NO_SUMMED_SCI\")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:09:27\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"Ganymede\"
    ),
end;

request(JRM_037,
    START_TIME,2017-350T15:44:33.000,
    TITLE,\"jm0101_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\",14,1,0,\"IDIS_SDIS\",\"HSSL\",\"ENABLE\",\"DARK\",\"DISABLE\",0,57,5000,5000,\"LOW\",\"LOW\",
        \"POINT\",-57343,5000,5000,\"LOW\",\"LOW\",\"SPIN\",15588,\"NO_SUMMED_SCI\")
    ),
end;

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	36	of

```

W", "POINT", -57343, 5000, 5000, "LOW", "LOW", "SPIN", 16214, "NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME, \00:07:54\, FROM_PREVIOUS_START,
  JRM_ERROR_LOG()
),
command(6,
  SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
  JRM_STOP_HS_REC()
),
note(1,
  SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
  TEXT, \"Ganymede\"
),
end;

request(JRM_038,
  START_TIME, 2017-350T15:53:15.000,
  TITLE, \"jm0101_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,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	37	of

```

        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_GET_P&Agrave;(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_P&Agrave;(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_10_017_Approach_IFT_2017-350T15:53:15.000\"
    ),
end;

request(JRM_039,
    START_TIME,2017-350T16:01:05.000,
    TITLE,\"jm0101_JRM_Science\",
    REQUESTOR,\"JRMTEAM\",
    PROCESSOR,\"VC2\",
    KEY,\"No_Key\")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_P&Agrave;(74,0)
    ),
    command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,

JRM_SCI_P&Agrave;(\"SCI_I2_S1\",13,1,0,\"IDIS_SDIS\",\"HSSL\",\"ENABLE\",\"DARK\",\"DISABLE\",0,66,5000,5000,\"LOW\",\"LOW\",
\"POINT\",-57343,5000,5000,\"LOW\",\"LOW\",\"SPIN\",17382,\"NO_SUMMED_SCI\")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"Ganymede\"
    ),
end;

request(JRM_040,
    START_TIME,2017-350T16:13:15.000,
    TITLE,\"jm0101_JRM_Science\",
    REQUESTOR,\"JRMTEAM\",
    PROCESSOR,\"VC2\",
    KEY,\"No_Key\")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_P&Agrave;(92,153)
    ),

```

			JIR-IAPS-SY-010-2018		
	Issue	1.0	30/05/18		
JUNO/JIRAM		Page	38	of	55

```

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_10_018_Approach_2017-350T16:13:15.000\"
),
end;

request(JRM_041,
    START_TIME,2017-350T16:33:15.000,
    TITLE,"jm0101_JRM_Science",
    REQUESTOR,"JRMTEAM",
    PROCESSOR,"VC2",
    KEY,"No_Key")

command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(92,153)

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	39

```

),
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_10_019_Approach_2017-350T16:33:15.000\"
),
end;

request(JRM_042,
    START_TIME,2017-350T16:47:09.000,
    TITLE,"jm0101_JRM_Science",
    REQUESTOR,"JRMTEAM",
    PROCESSOR,"VC2",
    KEY,"No_Key")

command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
JUNO/JIRAM			Page	40	of 55

```

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

JRM_SCI_PAR("SCI_I3_S1",56,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,46,5000,5000,"LOW","LOW",
"POINT",-57343,5000,5000,"LOW","LOW","SPIN",3047,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:29:36\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(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 FP"\\
    ),
end;

request(JRM_043,
    START_TIME,2017-350T17:17:11.000,
    TITLE, "jm0101_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",0,230,50,5000,"LOW","LOW",
"POINT",-57343,50,5000,"LOW","LOW","SPIN",-4435,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,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,\\"North Pole"\\
    ),
end;

request(JRM_044,
    START_TIME,2017-350T17:26:12.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",

```


			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	41

```

        KEY, "No_Key")
    command(1,
        SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
        JRM_SET_PAR(74, 2475)
    ),
    command(2,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I2_S1", 2, 1, 0, "IDIS_SDIS", "HSSL", "ENABLE", "DARK", "DISABLE", 0, 41, 50, 5000, "LOW", "LOW",
        "POINT", -57343, 50, 5000, "LOW", "LOW", "SPIN", -8345, "NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME, \00:00:04\, 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_045,
    START_TIME, 2017-350T17:29:42.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
    command(1,
        SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
        JRM_SET_PAR(74, 475)
    ),
    command(2,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I2_S1", 22, 1, 22, "IDIS_SDIS", "HSSL", "ENABLE", "DARK", "DISABLE", 0, 0, 50, 1000, "LOW", "LOW",
        "POINT", -57343, 50, 1000, "LOW", "LOW", "SPIN", -372, "NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME, \00:12:01\, FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
        TEXT, \ "Nadir" \
    ),
end;

request(JRM_046,
    START_TIME, 2017-350T17:42:03.000,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	42	of

```

TITLE, "jm0101_Technical_Block",
REQUESTOR, "JRMTEAM",
PROCESSOR, "VC2",
KEY, "No_Key")
command(1,
  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
  JRM_SET_PAR(74,0)
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,\"Imager Delay Set to Zero\"
),
end;

request(JRM_047,
  START_TIME,2017-350T17:42:30.000,
  TITLE, "jm0101_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()

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	43	of

```

),
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_10_020_NHiLatLobe_2017-350T17:42:30.000\"
),
end;

request(JRM_048,
  START_TIME,2017-350T17:47:42.000,
  TITLE, "jm0101_JRM_Science",
  REQUESTOR, "JRMTEAM",
  PROCESSOR, "VC2",
  KEY, "No_Key")
command(1,
  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
  JRM_SET_PAR(74,475)
),
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",0,0,50,1000,"LOW","LOW",
  "POINT",-57343,50,1000,"LOW","LOW","SPIN",-372,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME,\00:09:57\,FROM_PREVIOUS_START,
  JRM_ERROR_LOG()
),
command(6,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_STOP_HS_REC()
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,\"Nadir2\"
),
end;

request(JRM_049,
  START_TIME,2017-350T17:57:59.000,
  TITLE, "jm0101_Technical_Block",
  REQUESTOR, "JRMTEAM",
  PROCESSOR, "VC2",
  KEY, "No_Key")
command(1,
  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
  JRM_SET_PAR(74,0)
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,\"Imager Delay Set to Zero\"
),
end;

request(JRM_050,
  START_TIME,2017-350T17:59:26.000,
  TITLE, "jm0101_JRM_Science",
  REQUESTOR, "JRMTEAM",

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	44	of 55

```

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_10_021_MagEq_2017-350T17:59:26.000\"
),
end;

request(JRM_051,
START_TIME,2017-350T18:04:09.000,
TITLE, "jm0101_JRM_Science",

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
JUNO/JIRAM			Page	45	of 55

```

REQUESTOR, "JRMTEAM",
PROCESSOR, "VC2",
KEY, "No_Key")
command(1,
  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
  JRM_SET_PAR(74,475)
),
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",0,0,50,1000,"LOW","LOW",
"POINT",-57343,50,1000,"LOW","LOW","SPIN",-372,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME,\00:10:28\,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,\"Nadir3\"
  ),
end;

request(JRM_052,
  START_TIME,2017-350T18:14:57.000,
  TITLE, "jm0101_Technical_Block",
  REQUESTOR, "JRMTEAM",
  PROCESSOR, "VC2",
  KEY, "No_Key")
command(1,
  SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
  JRM_SET_PAR(74,0)
),
  note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"Imager Delay Set to Zero\"
  ),
end;

request(JRM_053,
  START_TIME,2017-350T18:15:15.000,
  TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	46	of

```

        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_10_022_SHiLatLobe_2017-350T18:15:15.000\"
    ),
end;

request(JRM_054,
    START_TIME,2017-350T18:28:15.000,
    TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	47

```

        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_10_023_OutbndFromSync_2017-350T18:28:15.000\"
    ),
end;

request(JRM_055,
    START_TIME,2017-350T18:34:38.000,
    TITLE,"jm0101_JRM_Science",
    REQUESTOR,"JRMTEAM",
    PROCESSOR,"VC2",
    KEY,"No_Key")

command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,0)
),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",34,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,5000,5000,"LOW","LOW",
    ,"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()
),

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	48	of	55

```

command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:18:13\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"S. Aurora\"
),
end;

request(JRM_056,
    START_TIME,2017-350T18:53:39.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,0)
),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",23,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,174,5000,5000,"LOW","LOW",
    "POINT",-57343,5000,5000,"LOW","LOW","SPIN",976,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:12:34\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"S. Aurora\"
),
end;

request(JRM_057,
    START_TIME,2017-350T19:06:40.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,0)
),
command(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",36,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,193,5000,5000,"LOW","LOW",
    "POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3957,"NO_SUMMED_SCI")
),
command(3,

```


			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
			Page	49	of 55

```

        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:19:17\,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,\"S. Aurora\"
    ),
end;

request(JRM_058,
    START_TIME,2017-350T19:26:42.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,0)
    ),
    command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I3_S1",29,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,215,5000,5000,"LOW","LOW",
        "POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4353,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:15:40\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"S. Aurora\"
    ),
end;

request(JRM_059,
    START_TIME,2017-350T19:42:44.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,0)
    ),
    command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I3_S1",23,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,224,5000,5000,"LOW","L

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
		Page	50	of	55

```

OW", "POINT", -57343, 5000, 5000, "LOW", "LOW", "SPIN", -4295, "NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME, \00:12:34\, FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    TEXT, \ "S. Aurora" \
),
end;

request(JRM_060,
    START_TIME, 2017-350T19:55:45.000,
    TITLE, "jm0101_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", 18, 1, 0, "IDIS_SDIS", "HSSL", "ENABLE", "DARK", "DISABLE", 0, 228, 5000, 5000, "LOW", "L
OW", "POINT", -57343, 5000, 5000, "LOW", "LOW", "SPIN", -4189, "NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME, \00:09:59\, 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, \ "S. Aurora" \
),
end;

request(JRM_061,
    START_TIME, 2017-350T20:06:16.000,
    TITLE, "jm0101_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,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	51

```

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

JRM_SCI_PAR("SCI_I3_S1",12,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,230,5000,5000,"LOW","LOW",
"POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3685,"NO_SUMMED_SCI")
),
command(3,
SCHEDULED_TIME,\00:00:04\,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,\"S. Aurora\"
),
end;

request(JRM_062,
START_TIME,2017-350T20:13:47.000,
TITLE,\"jm0101_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",3,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,230,5000,5000,"LOW","LOW",
"POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3066,"NO_SUMMED_SCI")
),
command(3,
SCHEDULED_TIME,\00:00:04\,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,\"S. Aurora\"
),
end;

request(JRM_063,
START_TIME,2017-350T20:16:47.000,
TITLE,\"jm0101_JRM_Science\",
REQUESTOR,\"JRMTEAM\",
PROCESSOR,\"VC2\",
KEY,\"No_Key\")
command(1,
SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	52	of

```

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

JRM_SCI_PAR("SCI_I3_S1",21,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,5000,5000,"LOW","LOW
","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-49,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:11:30\,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,\"S. Aurora\"
    ),
end;

request(JRM_064,
    START_TIME,2017-350T23:40:41.000,
    TITLE, "jm0101_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",13313,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,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_065,
    START_TIME,2017-350T23:50:42.000,
    TITLE, "jm0101_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",

```

			JIR-IAPS-SY-010-2018		
	JUNO/JIRAM		Issue	1.0	30/05/18
			Page	53	of 55

```

        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","LOW",
        "POINT",-57343,1250,5000,"LOW","LOW","SPIN",13272,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,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_066,
    START_TIME,2017-351T00:00:43.000,
    TITLE, "jm0101_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","LOW",
        "POINT",-57343,1250,5000,"LOW","LOW","SPIN",13227,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:04\,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_067,
    START_TIME,2017-351T00:10:44.000,

```

			JIR-IAPS-SY-010-2018	
			Issue	1.0
	JUNO/JIRAM		Page	54

```

TITLE, "jm0101_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",0,15,1250,5000,"LOW","LOW",
"POINT",-57343,1250,5000,"LOW","LOW","SPIN",13175,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,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_068,
  START_TIME,2017-351T00:20:45.000,
  TITLE, "jm0101_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",13,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,19,1250,5000,"LOW","LOW",
"POINT",-57343,1250,5000,"LOW","LOW","SPIN",13133,"NO_SUMMED_SCI")
),
command(3,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_START_HS_REC()
),
command(4,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_SCIENCE()
),
command(5,
  SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
  JRM_ERROR_LOG()
),
command(6,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  JRM_STOP_HS_REC()
),
note(1,
  SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
  TEXT,"Io"
),
end;

```

			JIR-IAPS-SY-010-2018		
			Issue	1.0	30/05/18
	JUNO/JIRAM		Page	55	of

```

request (JRM_069,
    START_TIME,2017-351T00:28:28.000,
    TITLE, "jm0101_JRM_Calibration",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_CAL_PAR(8,14,8,14,30,700,30,700,30,700,30,700,200,200,153,153)
),
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_070,
    START_TIME,2017-351T00:32:48.000,
    TITLE, "jm0101_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_071,
    START_TIME,2017-351T00:33:04.000,
    TITLE, "jm0101_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

```