



|                              |                                                                                                 |
|------------------------------|-------------------------------------------------------------------------------------------------|
| <b>Publication Year</b>      | 2020                                                                                            |
| <b>Acceptance in OA@INAF</b> | 2023-03-16T10:44:52Z                                                                            |
| <b>Title</b>                 | Juno Jiram Report jm0221                                                                        |
| <b>Authors</b>               | NOSCHESE, RAFFAELLA; BECKER , HEIDI; BROOKS, SHAWN; SORDINI, Roberto; CICCHETTI, ANDREA         |
| <b>Handle</b>                | <a href="http://hdl.handle.net/20.500.12386/34033">http://hdl.handle.net/20.500.12386/34033</a> |
| <b>Number</b>                | 1.0                                                                                             |



# Juno JIRAM

## Report JM0221

**JIR-IAPS-SY-006-2020**  
Version 1.0

June 15, 2020

*Prepared by:*

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

*Approved by:*

***A. Adriani and A. Mura***

|                                                                                   |                                                                                   |                      |    |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|----|----|
|  |  | JIR-IAPS-SY-006-2020 |    |    |
| Issue                                                                             | 1.0                                                                               | 15/06/2020           |    |    |
| JUNO/JIRAM                                                                        | Page                                                                              | 2                    | of | 99 |

## Table of Contents

|   |                                  |    |
|---|----------------------------------|----|
| 1 | INTRODUCTION .....               | 3  |
| 2 | REFERENCES .....                 | 3  |
| 3 | ACTIVITY DESCRIPTION .....       | 3  |
| 4 | RADIATION SEQUENCES .....        | 6  |
| 5 | SCIENTIFIC GOALS .....           | 6  |
| 6 | DATA COLLECTION OVERVIEW.....    | 8  |
|   | A.1 Commanding file (SASF) ..... | 13 |

## List of Figures

|                                                                                                                                                                                 |   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| <i>Figure 1:</i> Simulation with JSPT (JIRAM Software Planning Tool), coverage of the South Pole with filter M. The overlapping yellow strips represent the predicted FOVs..... | 4 |
| <i>Figure 2:</i> Simulation with JSPT. Coverage of the South Pole with filter L, the magenta line represents the theoretical position of the main auroral oval.....             | 5 |
| <i>Figure 3:</i> Atmospheric Mapping: Hot Spots - <i>Imager filter M.</i> .....                                                                                                 | 5 |

## List of Tables

|                                        |    |
|----------------------------------------|----|
| <i>Table 1: Scientific Goals</i> ..... | 8  |
| <i>Table 2: Data Overview</i> .....    | 12 |

|                                                                                   |                                                                                   |                      |    |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|----|----|
|  |  | JIR-IAPS-SY-006-2020 |    |    |
| Issue                                                                             | 1.0                                                                               | 15/06/2020           |    |    |
| JUNO/JIRAM                                                                        | Page                                                                              | 3                    | of | 99 |

## 1 INTRODUCTION

This document describes the activities that JIRAM performed during the activity period JM0221 (PJ022), with particular attention to the comparison between the expected and returned data, keeping track of the instrument configuration with the commanding file (SASF).

## 2 REFERENCES

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, 2016. *Astrophys Space Sci.* <https://doi.org/10.1007/s10509-016-2842-9>

Adriani, A., Filacchione, G., Di Iorio, T., Turrini, D., Noschese, R., Cicchetti, A., Grassi, D., Mura, A., Sindoni, G., Zambelli, M., Piccioni, G., Capria, M. T., Tosi, F., Orosei, R., Dinelli, B. M., Moriconi, M. L., Roncon, E., Lunine, J. I., Becker, H. N., Bini, A., Barbis, A., Calamai, L., Pasqui, C., Nencioni, S., Rossi, M., Lastri, M., Formaro, R., Olivieri, A., 2017. JIRAM, the Jovian Infrared Auroral Mapper. *Space Sci. Rev.* 213, 1–4, pp 393–446. <https://doi.org/10.1007/s11214-014-0094-y>.

Becker, H.N., Alexander, J.W., Adriani, A., Mura, A., Cicchetti, A., Noschese, R., Jørgensen, J.L., Denver, T., Sushkova, J., Jørgensen, A., Benn, M., Connerney, J.E.P., Bolton, S.J., the Selex Galileo Juno SRU Team, Allison, J., Watts, S., Adumitroaie, V., Manor-Chapman, E.A., Daubar, I.J., Lee, C., Kang, S., McAlpine, W.J., Di Iorio, T., Pasqui, C., Barbis, A., Lawton, P., Spalsbury, L., Loftin, S., Sun, J., 2017. The Juno Radiation Monitoring (RM) Investigation. *Spice Sci. Rev.* 213, 1–4, pp 507–545. <https://doi.org/10.1007/s11214-017-0345-9>.

R. Noschese, A. Cicchetti, R. Sordini, M. Cartacci, S. Brooks, M. Lastri, A. Adriani, A. Mura, G. Filacchione, H. Becker, A. Bini, C. Pasqui, A. Migliorini, M. L. Moriconi, D. Grassi, F. Altieri, B. M. Di nelli, G. Piccioni, F. Tosi, D. Turrini, G. Sindoni, A. Olivieri, C. Plainaki. Juno/JIRAM: planning and commanding activities.

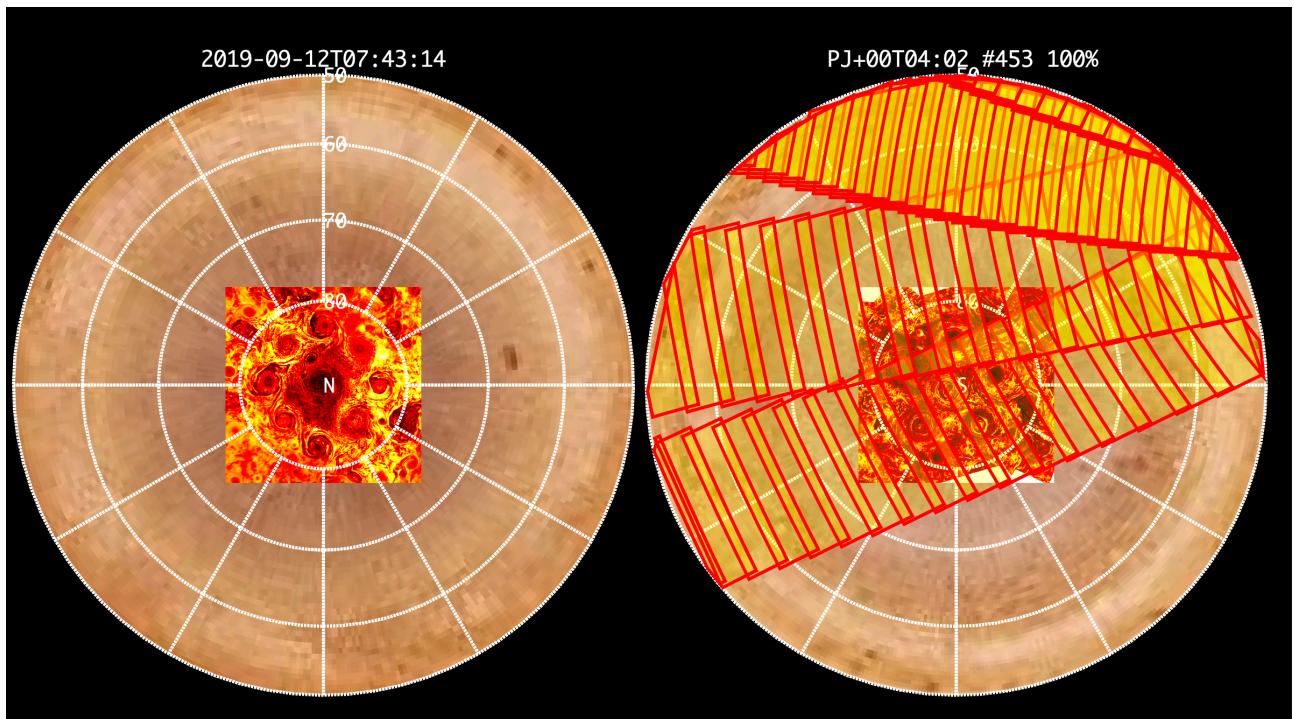
*Adv. Space Res.* (2019) <https://doi.org/10.1016/j.asr.2019.09.052>

## 3 ACTIVITY DESCRIPTION

During the PJ022 pass, JIRAM performed coverage of the South Pole (see fig. 1 and fig. 2), of the aurorae and the planet's limb. Note that there is a spectral observation corresponding to each observation taken with the imager. Details about imager/spectrometer coupling and more in general about the instrument and its performance can be found in Adriani et al. (2017), Noschese et al. (2019).

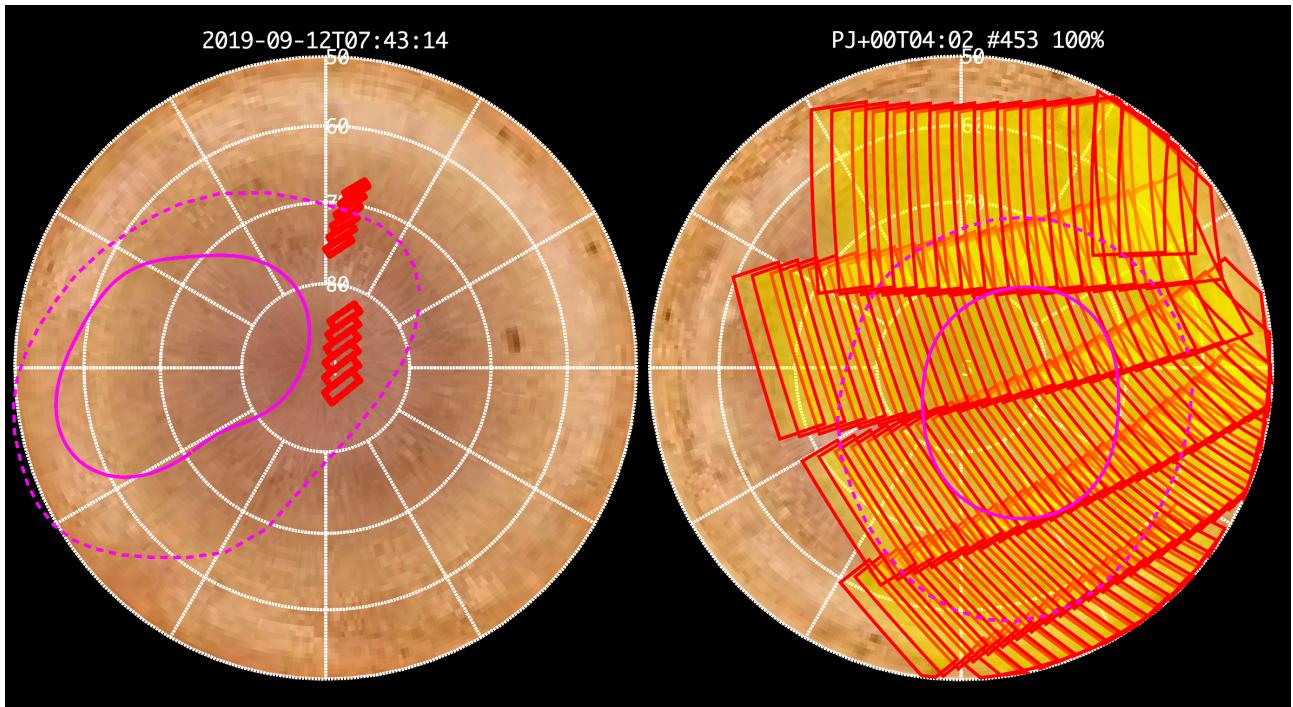
|                                                                                   |                                                                                   |                             |    |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|----|----|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |    |    |
| Issue                                                                             | 1.0                                                                               | 15/06/2020                  |    |    |
| JUNO/JIRAM                                                                        | Page                                                                              | 4                           | of | 99 |

Due to an uncertainty in the actual pointing of the JIRAM frame (which is affected by the position of the despinning mirror at the time of the observation), the JIRAM team found that the precision of the reconstruction of the geometry of both IMG and SPE pixels should be revised by a value of no less than 0.1 degrees. We want to underline that this issue was only discovered during JM0131, when we started to do systematic limb observations near Perijove (PJ) and we could compare the calculated position of the planet's limb, using the reconstructed kernels, with respect to its actual position in the image we collected with our instrument.

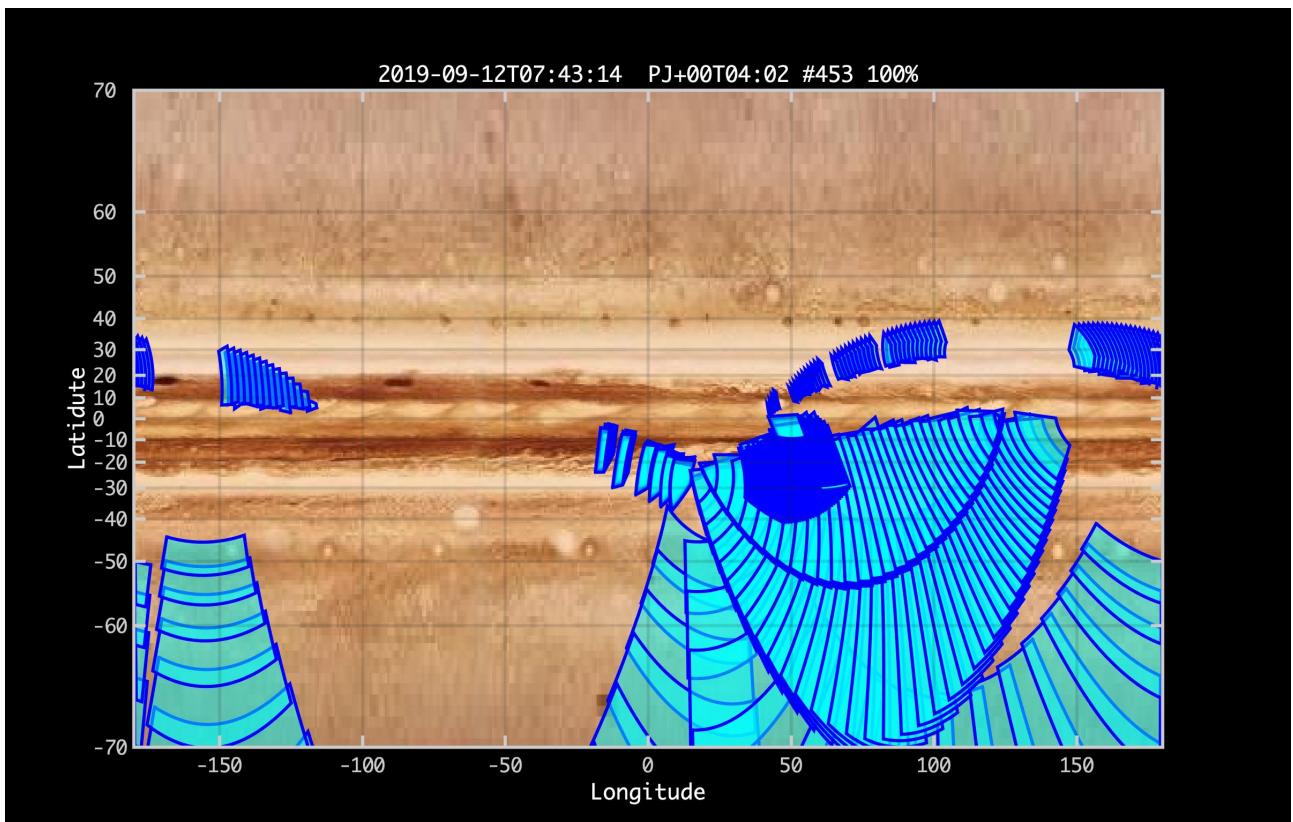


**Figure 1:** Simulation with JSPT (JIRAM Software Planning Tool), coverage of the South Pole with filter M. The overlapping yellow strips represent the predicted FOVs.

|                                                                                   |                                                                                   |                      |   |       |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|---|-------|
|  |  | JIR-IAPS-SY-006-2020 |   |       |
| Issue                                                                             | 1.0                                                                               | 15/06/2020           |   |       |
| JUNO/JIRAM                                                                        |                                                                                   | Page                 | 5 | of 99 |



**Figure 2:** Simulation with JSPT. Coverage of the South Pole with filter L, the magenta line represents the theoretical position of the main auroral oval.



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

|                                                                                   |                                                                                   |                      |     |            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|
|  |  | JIR-IAPS-SY-006-2020 |     |            |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |
|                                                                                   | JUNO/JIRAM                                                                        | Page                 | 6   | of 99      |

## 4 RADIATION SEQUENCES

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, on approach to the North polar region, and the inner magnetosphere.

## 5 SCIENTIFIC GOALS

Below is a table that describes for each science block in the commanding file the relative operational mode and the scientific objectives. The files relating to the various science blocks are shown in the file “JIR\_STATUS\_EDR\_2019254T084951\_V01.CSV” in the INDEX directory.

| JRM (sasf) | Operational Mode | Goals                 |
|------------|------------------|-----------------------|
| JRM_004    | CAL_I1_S1        | INTERNAL CALIBRATION  |
| JRM_005    | SCI_I1_S1        | RADIATION             |
| JRM_006    | SCI_I1_S1        | RADIATION             |
| JRM_007    | SCI_I1_S1        | RADIATION             |
| JRM_008    | SCI_I1_S1        | RADIATION             |
| JRM_009    | SCI_I1_S1        | RADIATION             |
| JRM_010    | SCI_I1_S1        | RADIATION             |
| JRM_011    | SCI_I1_S1        | RADIATION             |
| JRM_012    | SCI_I1_S1        | RADIATION             |
| JRM_013    | SCI_I1_S1        | RADIATION             |
| JRM_014    | SCI_I1_S1        | RADIATION             |
| JRM_015    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_016    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_017    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_018    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_019    | SCI_I1_S1        | RADIATION             |
| JRM_020    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_021    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_022    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_023    | SCI_I1_S1        | RADIATION             |
| JRM_024    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_025    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_026    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_027    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_028    | SCI_I1_S1        | RADIATION             |
| JRM_029    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_030    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_031    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_032    | SCI_I1_S1        | RADIATION             |
| JRM_033    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_034    | SCI_I1_S1        | RADIATION+CALIBRATION |
| JRM_035    | SCI_I1_S1        | RADIATION+CALIBRATION |

|                                                                                   |                                                                                   |                      |     |            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|
|  |  | JIR-IAPS-SY-006-2020 |     |            |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |
| JUNO/JIRAM                                                                        |                                                                                   | Page                 | 7   | of 99      |

|         |           |                          |
|---------|-----------|--------------------------|
| JRM_036 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_037 | SCI_I1_S1 | RADIATION                |
| JRM_038 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_039 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_040 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_041 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_042 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_043 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_044 | SCI_I1_S1 | RADIATION                |
| JRM_045 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_046 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_047 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_048 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_049 | SCI_I1_S1 | RADIATION                |
| JRM_050 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_051 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_052 | SCI_I1_S1 | RADIATION                |
| JRM_053 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_054 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_055 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_056 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_057 | SCI_I1_S1 | RADIATION                |
| JRM_058 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_059 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_060 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_061 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_062 | SCI_I1_S1 | RADIATION                |
| JRM_063 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_064 | SCI_I1_S1 | RADIATION                |
| JRM_065 | SCI_I1_S1 | LIMB DARK NORTH          |
| JRM_067 | SCI_I1_S1 | RADIATION                |
| JRM_068 | SCI_I1_S1 | LIMB DARK NORTH          |
| JRM_070 | SCI_I1_S1 | RADIATION                |
| JRM_071 | SCI_I3_S1 | GANYMEDE FOOTPRINT NORTH |
| JRM_072 | SCI_I3_S1 | IO FOOTPRINT NORTH       |
| JRM_073 | SCI_I1_S1 | LIMP UP                  |
| JRM_074 | SCI_I1_S1 | LIMP UP                  |
| JRM_075 | SCI_I1_S1 | LIMP UP                  |
| JRM_076 | SCI_I1_S1 | LIMP UP                  |
| JRM_078 | SCI_I1_S1 | RADIATION                |
| JRM_079 | SCI_I1_S1 | RADIATION                |
| JRM_080 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_081 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_082 | SCI_I1_S1 | RADIATION                |
| JRM_083 | SCI_I1_S1 | RADIATION+CALIBRATION    |
| JRM_084 | SCI_I1_S1 | LIMB DOWN                |
| JRM_085 | SCI_I1_S1 | LIMB DOWN                |
| JRM_086 | SCI_I1_S1 | LIMB DOWN                |
| JRM_087 | SCI_I1_S1 | LIMB DOWN                |

|                                                                                   |                                                                                   |                      |     |            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|
|  |  | JIR-IAPS-SY-006-2020 |     |            |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |
| JUNO/JIRAM                                                                        |                                                                                   | Page                 | 8   | of 99      |

|         |           |                      |
|---------|-----------|----------------------|
| JRM_088 | SCI_I1_S1 | LIMB DOWN            |
| JRM_089 | SCI_I1_S1 | LIMB DOWN            |
| JRM_090 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_091 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_092 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_093 | SCI_I2_S1 | SOUTH POLE           |
| JRM_094 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_095 | SCI_I2_S1 | SOUTH POLE           |
| JRM_096 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_097 | SCI_I3_S1 | SOUTH AURORA         |
| JRM_098 | SCI_I2_S1 | ATMOSPHERE           |
| JRM_099 | SCI_I2_S1 | ATMOSPHERE           |
| JRM_100 | SCI_I1_S1 | LIMB DARK SOUTH      |
| JRM_101 | SCI_I1_S1 | LIMB DARK SOUTH      |
| JRM_102 | CAL_I1_S1 | INTERNAL CALIBRATION |

Table 1: Scientific Goals

## 6 DATA COLLECTION OVERVIEW

Below is a table that gives an overview of the data collected during the activity period JM0221. The table describes, for each science block in the commanding file, the programmed operational modes and the data actually collected.

| JRM (sasf) | Operational Mode | Observations   | Packets Retrieved | Packets Expected | Missing Observations SPE | Missing Observations IMG |
|------------|------------------|----------------|-------------------|------------------|--------------------------|--------------------------|
| JRM_004    | CAL_I1_S1        | 6 IMG<br>6 SPE | 72                | 72               | 0                        | 0                        |
| JRM_005    | SCI_I1_S1        | 3 IMG<br>3 SPE | 13                | 36               | 2                        | 1                        |
| JRM_006    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_007    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_008    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_009    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_010    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_011    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_012    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_013    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |
| JRM_014    | SCI_I1_S1        | 3 IMG<br>3 SPE | 36                | 36               | 0                        | 0                        |

|                                                                                   |                                                                                   |                      |     |            |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|----|
|  |  | JIR-IAPS-SY-006-2020 |     |            |    |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |    |
|                                                                                   |                                                                                   | Page                 | 9   | of         | 99 |

|         |           |                |    |    |   |   |
|---------|-----------|----------------|----|----|---|---|
| JRM_015 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_016 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_017 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_018 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_019 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_020 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_021 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_022 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_023 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_024 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_025 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_026 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_027 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_028 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_029 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_030 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_031 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_032 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_033 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_034 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_035 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_036 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_037 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_038 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_039 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_040 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_041 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |
| JRM_042 | SCI_I1_S1 | 3 IMG<br>3 SPE | 36 | 36 | 0 | 0 |

|                                                                                   |                                                                                   |                      |     |            |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|----|
|  |  | JIR-IAPS-SY-006-2020 |     |            |    |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |    |
|                                                                                   |                                                                                   | Page                 | 10  | of         | 99 |

|         |           |                  |     |     |   |   |
|---------|-----------|------------------|-----|-----|---|---|
| JRM_043 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_044 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_045 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_046 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_047 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_048 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_049 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_050 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_051 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_052 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_053 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_054 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_055 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_056 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_057 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_058 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_059 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_060 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_061 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_062 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_063 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_064 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_065 | SCI_I1_S1 | 14 IMG<br>14 SPE | 168 | 168 | 0 | 0 |
| JRM_067 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_068 | SCI_I1_S1 | 23 IMG<br>23 SPE | 276 | 276 | 0 | 0 |
| JRM_070 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_071 | SCI_I3_S1 | 6 IMG<br>6 SPE   | 54  | 54  | 0 | 0 |
| JRM_072 | SCI_I3_S1 | 6 IMG<br>6 SPE   | 54  | 54  | 0 | 0 |

|                                                                                   |                                                                                   |                      |     |            |    |    |    |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|-----|------------|----|----|----|
|  |  | JIR-IAPS-SY-006-2020 |     |            |    |    |    |
|                                                                                   |                                                                                   | Issue                | 1.0 | 15/06/2020 |    |    |    |
| JUNO/JIRAM                                                                        |                                                                                   |                      |     | Page       | 11 | of | 99 |

|         |           |                  |     |     |   |   |
|---------|-----------|------------------|-----|-----|---|---|
| JRM_073 | SCI_I1_S1 | 13 IMG<br>13 SPE | 156 | 156 | 0 | 0 |
| JRM_074 | SCI_I1_S1 | 11 IMG<br>11 SPE | 132 | 132 | 0 | 0 |
| JRM_075 | SCI_I1_S1 | 11 IMG<br>11 SPE | 132 | 132 | 0 | 0 |
| JRM_076 | SCI_I1_S1 | 4 IMG<br>4 SPE   | 48  | 48  | 0 | 0 |
| JRM_078 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_079 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_080 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_081 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_082 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_083 | SCI_I1_S1 | 3 IMG<br>3 SPE   | 36  | 36  | 0 | 0 |
| JRM_084 | SCI_I1_S1 | 10 IMG<br>10 SPE | 120 | 120 | 0 | 0 |
| JRM_085 | SCI_I1_S1 | 8 IMG<br>8 SPE   | 96  | 96  | 0 | 0 |
| JRM_086 | SCI_I1_S1 | 8 IMG<br>8 SPE   | 96  | 96  | 0 | 0 |
| JRM_087 | SCI_I1_S1 | 8 IMG<br>8 SPE   | 96  | 96  | 0 | 0 |
| JRM_088 | SCI_I1_S1 | 8 IMG<br>8 SPE   | 96  | 96  | 0 | 0 |
| JRM_089 | SCI_I1_S1 | 8 IMG<br>8 SPE   | 96  | 96  | 0 | 0 |
| JRM_090 | SCI_I3_S1 | 17 IMG<br>17 SPE | 153 | 153 | 0 | 0 |
| JRM_091 | SCI_I3_S1 | 28 IMG<br>28 SPE | 252 | 252 | 0 | 0 |
| JRM_092 | SCI_I3_S1 | 24 IMG<br>24 SPE | 216 | 216 | 0 | 0 |
| JRM_093 | SCI_I2_S1 | 18 IMG<br>18 SPE | 162 | 162 | 0 | 0 |
| JRM_094 | SCI_I3_S1 | 20 IMG<br>20 SPE | 180 | 180 | 0 | 0 |
| JRM_095 | SCI_I2_S1 | 15 IMG<br>15 SPE | 135 | 135 | 0 | 0 |
| JRM_096 | SCI_I3_S1 | 15 IMG<br>15 SPE | 135 | 135 | 0 | 0 |
| JRM_097 | SCI_I3_S1 | 2 IMG<br>2 SPE   | 18  | 18  | 0 | 0 |
| JRM_098 | SCI_I2_S1 | 41 IMG<br>41 SPE | 369 | 369 | 0 | 0 |
| JRM_099 | SCI_I2_S1 | 36 IMG<br>36 SPE | 324 | 324 | 0 | 0 |
| JRM_100 | SCI_I1_S1 | 30 IMG<br>30 SPE | 360 | 360 | 0 | 0 |
| JRM_101 | SCI_I1_S1 | 28 IMG<br>28 SPE | 336 | 336 | 0 | 0 |

|                                                                                   |                                                                                   |                      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
|  |  | JIR-IAPS-SY-006-2020 |
|                                                                                   | Issue<br>1.0                                                                      | 15/06/2020           |
| JUNO/JIRAM                                                                        | Page<br><b>12</b>                                                                 | of<br><b>99</b>      |

|         |           |                |    |    |   |   |
|---------|-----------|----------------|----|----|---|---|
| JRM_102 | CAL_I1_S1 | 6 IMG<br>6 SPE | 72 | 72 | 0 | 0 |
|---------|-----------|----------------|----|----|---|---|

*Table 2: Data Overview*

|                                                                                   |                                                                                   |                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |
| Issue                                                                             | <b>1.0</b>                                                                        | <b>15/06/2020</b>           |
| Page                                                                              | <b>13</b>                                                                         | of <b>99</b>                |

## A.1 Commanding file (SASF)

```
*****
*****
CCSD3ZF000010000001NJPL3KS0L015$$MARK$$;
MISSION_NAME = JUNO;
SPACECRAFT_NAME = JUNO;
DATA_SET_ID = SPACECRAFT_ACTIVITY_SEQUENCE_JRM;
FILE_NAME = jm0221_JRMa.sASF;
APPLICABLE_START_TIME = 2019-254T03:00:00.000;
APPLICABLE_STOP_TIME = 2019-280T12:00:00.000;
PRODUCT_CREATION_TIME = 2019-219T12:37:37.000;
PRODUCER_ID = JRMTEAM;
SEQ_ID = jm0221_JRMa;
HOST_ID = JRM_CMD_221_221_V04.jrm;
CCSD3RE0000$MARK$$NJPL3IF0M0130000001;
$$JNO      SPACECRAFT ACTIVITY SEQUENCE FILE
*****
*PROJECT    JNO
*SPACECRAFT 61
*OPERATOR   JRMTEAM
*FILE_CMPLT TRUE
*DATE       Wed Aug 07 12:37:37 2019
*BEGIN      2019-254T03:00:00.000
*CUTOFF     2019-280T12:00:00.000
*TITLE      jm0221_JRMa
*EPOCHS_DEF
*jm0221_JRM,      2019-254T03:00:00.000
*EPOCHS_END
*Input files used:
*File Type Last modified           File name
*PACKETS_NUMBER 6858
*****
$SEOH
$EOAD
request(JRM_Sequence_Management_Request,
         START_TIME, 2019-254T03:00:00.000,
         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", "jm0221_JRM", "jm0221_JRM.abs", "d:/seq")
         ),
         command(2,
                  SCHEDULED_TIME, \00:00:30\, FROM_PREVIOUS_START,
                  FILE_DELETE ("d:/seq/jm0221_JRM.abs")
         ),
         command(3,
                  SCHEDULED_TIME, \026T08:59:58\, FROM_REQUEST_START,
                  VM_LOAD(20, "d:/seq/jm0222_JRM.abs")
         ),
         end;

request(JRM_001,
         START_TIME, 2019-254T03:25:04.000,
         TITLE, "jm0221_JRM_Heater_Op",
         REQUESTOR, "JRMTEAM",
         PROCESSOR, "VC2",
         KEY, "No_Key")
         command(1,
                  SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>14</b>  | of <b>99</b> |

```

        THRM_SET_PT_SEL("JIRAM_OH","OPERATIONAL")
),
command(2,
    SCHEDULED_TIME,\00:00:01\,FROM_PREVIOUS_START,
    THRM_SET_PT_SEL("JIRAM_DECON","OPERATIONAL")
),
command(3,
    SCHEDULED_TIME,\03:10:00\,FROM_PREVIOUS_START,
    THRM_SET_PT_SEL("JIRAM_ELECT_BP","OPERATIONAL")
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"NaN"\\
),
end;

request(JRM_002,
    START_TIME,2019-254T08:46:04.000,
    TITLE, "jm0221_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,2019-254T08:48:47.000,
    TITLE, "jm0221_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,2019-254T08:48:59.000,
    TITLE, "jm0221_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,

```

|                                                                                   |                                                                                   |                             |            |            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |            |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020 |
|                                                                                   |                                                                                   | Page                        | <b>15</b>  | of 99      |

```

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

request(JRM_005,
    START_TIME,2019-254T08:58:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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)
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>16</b>  | of <b>99</b> |

```

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_22_001_GoodPxMap_2019-254T08:58:15.000\"\\
),
end;

request(JRM_006,
    START_TIME,2019-254T09:03:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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)
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>17</b>  | of <b>99</b> |

```

        ),
    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_22_002_GoodPxMap_2019-254T09:03:15.000\"\\
    ),
end;

request(JRM_007,
    START_TIME,2019-254T09:08:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>18</b>  | of <b>99</b> |

```

        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_22_003_GoodPxMap_2019-254T09:08:15.000\"\\
),
end;

request(JRM_008,
    START_TIME,2019-254T09:13:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>19</b>  | of <b>99</b> |

```

        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_22_004_GoodPxMap_2019-254T09:13:15.000\")
),
end;

request(JRM_009,
    START_TIME,2019-254T09:18:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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")
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>20</b>  | of <b>99</b> |

```

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_22_005_GoodPxMap_2019-254T09:18:15.000\"\\
),
end;

request(JRM_010,
    START_TIME,2019-254T09:23:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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")
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>21</b>  | of <b>99</b> |

```

        ),
    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_22_006_GoodPxMap_2019-254T09:23:15.000\""
    ),
end;

request(JRM_011,
    START_TIME,2019-254T09:28:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_SCIENCE()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>22</b>  | of <b>99</b> |

```

JRM_SCI_PAR("SCI_I1_S1",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_22_007_GoodPxMap_2019-254T09:28:15.000"\'
),
end;

request(JRM_012,
    START_TIME,2019-254T09:33:15.000,
    TITLE, "jm0221_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_SCIENCE()
),
JRM_SCI_PAR("SCI_I1_S1",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_SCIENCE()
),
JRM_SCI_PAR("SCI_I1_S1",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,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>23</b>  | of <b>99</b> |

SCHEDULED\_TIME,\00:01:12\,FROM\_PREVIOUS\_START,

JRM\_SCI\_PAR("SCI\_I1\_S1",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\_22\_008\_GoodPxMap\_2019-254T09:33:15.000\'

),

end;

request(JRM\_013,

START\_TIME,2019-254T09:38:15.000,  
TITLE, "jm0221\_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\_S1",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\_S1",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()

),

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>24</b>  | of <b>99</b> |

```

    command(9,
        SCHEDULED_TIME, \00:01:12\, FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I1_S1",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_22_009_GoodPxMap_2019-254T09:38:15.000\"\\
    ),
end;

request(JRM_014,
    START_TIME, 2019-254T11:58:15.000,
    TITLE, "jm0221_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_S1",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_S1",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()
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>25</b>  | of <b>99</b> |

```

        ),
        command(9,
            SCHEDULED_TIME, \00:01:12\, FROM_PREVIOUS_START,
            JRM_SET_PAR("SCI_I1_S1", 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_22_010_Approach_2019-254T11:58:15.000\"\\
        ),
    end;

request(JRM_015,
    START_TIME, 2019-254T12:18:15.000,
    TITLE, "jm0221_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_SET_PAR("SCI_I1_S1", 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_SET_PAR("SCI_I1_S1", 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_SET_PAR("SCI_I1_S1", 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")
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>26</b>  | of <b>99</b> |

```

        JRM_SCIENCE()
),
command(9,
        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
JRM SCI PAR("SCI_I1_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_016,
        START_TIME,2019-254T12:38:15.000,
        TITLE, "jm0221_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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>27</b>  | of <b>99</b> |

```

        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_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_017,
        START_TIME,2019-254T12:58:15.000,
        TITLE, "jm0221_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_S1",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_S1",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)
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>28</b>  | of <b>99</b> |

```

        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_S1",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,\\"RAD+CAL"\\
        ),
    end;

request(JRM_018,
        START_TIME,2019-254T13:18:15.000,
        TITLE, "jm0221_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_S1",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_S1",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)
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>29</b>  | of <b>99</b> |

```

        ),
        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_S1",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,\\"RAD+CAL"\)
        ),
    end;

request(JRM_019,
    START_TIME,2019-254T13:26:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_ERROR_LOG()
),
note(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"RAD+CAL"\)
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>30</b>  | of <b>99</b> |

```

        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_SET_PAR("SCI_I1_S1",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_22_011_MagEqforRichard_2019-254T13:26:15.000"\,
    ),
end;

request(JRM_020,
    START_TIME,2019-254T13:38:15.000,
    TITLE, "jm0221_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_SET_PAR("SCI_I1_S1",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_SET_PAR("SCI_I1_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>31</b>  | of <b>99</b> |

```

        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_S1",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,\"RAD+CAL\")
),
end;

request(JRM_021,
    START_TIME,2019-254T13:58:15.000,
    TITLE, "jm0221_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_S1",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_S1",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")
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>32</b>  | of <b>99</b> |

```

        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_SET_PAR("SCI_I1_S1",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,\\"RAD+CAL"\)
        ),
    end;

request(JRM_022,
        START_TIME,2019-254T14:18:15.000,
        TITLE, "jm0221_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_SET_PAR("SCI_I1_S1",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_SET_PAR("SCI_I1_S1",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-006-2020 |
|                                                                                   | Issue      1.0                                                                    | 15/06/2020           |
|                                                                                   | Page      33 of 99                                                                |                      |

```

        ),
    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_SET_PAR(92,8174)
    ),
    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,\\"RAD+CAL"\)
    ),
end;

request(JRM_023,
    START_TIME,2019-254T14:31:35.000,
    TITLE, "jm0221_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_SET_PAR(92,8174)
),
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_SET_PAR(92,8174)
),
note(2,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"RAD+CAL"\)
),
end;

```

JRM SCI PAR("SCI\_I1\_S1",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")

JRM SCI PAR("SCI\_I1\_S1",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")

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>34</b>  | of <b>99</b> |

```

JRM_SCI_PAR("SCI_I1_S1",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_S1",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_22_012_MagEqforRichard_2019-254T14:31:35.000"\'
),
end;

request(JRM_024,
    START_TIME,2019-254T14:38:15.000,
    TITLE, "jm0221_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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>35</b>  | of <b>99</b> |

SCHEDULED\_TIME, \00:01:12\, FROM\_PREVIOUS\_START,

```

JRM_SCI_PAR("SCI_I1_S1",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_S1",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, \\"RAD+CAL\"\)
),
end;

request(JRM_025,
START_TIME, 2019-254T14:58:15.000,
TITLE, "jm0221_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_S1",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()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>36</b>  | of <b>99</b> |

```

    command(6,
        SCHEDULED_TIME, \00:01:12\, FROM_PREVIOUS_START,
        JRM_SET_PAR("SCI_I1_S1",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_SET_PAR("SCI_I1_S1",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, \\"RAD+CAL\")
),
end;

request(JRM_026,
    START_TIME, 2019-254T15:18:15.000,
    TITLE, "jm0221_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_SET_PAR("SCI_I1_S1",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())

```

|                                                                                   |                                                                                   |                             |     |            |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|-----|------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |     |            |
|                                                                                   |                                                                                   | Issue                       | 1.0 | 15/06/2020 |
|                                                                                   |                                                                                   | Page                        | 37  | of 99      |

```

        ),
        command(6,
            SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
            JRM_SCI_PAR("SCI_I1_S1",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_S1",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,\\"RAD+CAL"\)
        ),
    end;

request(JRM_027,
        START_TIME,2019-254T15:38:15.000,
        TITLE, "jm0221_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_S1",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_SET_PAR(92,8174)
    )
);

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>38</b>  | of <b>99</b> |

```

        JRM_SCIENCE()
),
command(6,
        SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
JRM SCI PAR("SCI_I1_S1",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_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_028,
        START_TIME,2019-254T15:58:15.000,
        TITLE, "jm0221_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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>39</b>  | of <b>99</b> |

```

        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_S1",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_S1",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_22_013_Approach_2019-254T15:58:15.000"\'
),
end;

request(JRM_029,
        START_TIME,2019-254T16:18:15.000,
        TITLE, "jm0221_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_S1",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()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>40</b>  | of <b>99</b> |

```

        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_S1",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_S1",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,\"RAD+CAL\")
    ),
end;

request(JRM_030,
    START_TIME,2019-254T16:38:15.000,
    TITLE, "jm0221_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_S1",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()
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>41</b>  | of <b>99</b> |

```

        ),
        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_S1",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_S1",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,\\"RAD+CAL\\"
        ),
    end;

request(JRM_031,
    START_TIME,2019-254T16:58:15.000,
    TITLE, "jm0221_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_S1",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_SET_PAR(92,8174)
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"RAD+CAL\\"
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>42</b>  | of <b>99</b> |

```

        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_SET_PAR("SCI_I1_S1",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_SET_PAR("SCI_I1_S1",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,\\"RAD+CAL\"\n
),
end;

request(JRM_032,
    START_TIME,2019-254T17:13:15.000,
    TITLE, "jm0221_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_SET_PAR("SCI_I1_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>43</b>  | of <b>99</b> |

```

        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_SET_PAR("SCI_I1_S1",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_SET_PAR("SCI_I1_S1",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_22_014_Approach_2019-254T17:13:15.000"\'
    ),
end;

request(JRM_033,
    START_TIME,2019-254T17:19:15.000,
    TITLE, "jm0221_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_SET_PAR("SCI_I1_S1",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)
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>44</b>  | of <b>99</b> |

```

    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_S1",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_S1",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,\\"RAD+CAL"\'
    ),
end;

request(JRM_034,
    START_TIME,2019-254T17:38:15.000,
    TITLE, "jm0221_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_S1",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-006-2020 |
|                                                                                   | Issue      1.0                                                                    | 15/06/2020           |
|                                                                                   | Page      45                                                                      | of      99           |

```

        ),
    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_SC_PAR("SCI_I1_S1",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_SC_PAR("SCI_I1_S1",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,\\"RAD+CAL"\'
    ),
end;

request(JRM_035,
    START_TIME,2019-254T17:58:15.000,
    TITLE, "jm0221_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_SC_PAR("SCI_I1_S1",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_SC_PAR("SCI_I1_S1",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(4,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SET_PAR(92,153)
),
command(5,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(6,
    SCHEDULED_TIME,\00:01:12\,FROM_PREVIOUS_START,
    JRM_SC_PAR("SCI_I1_S1",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_SC_PAR("SCI_I1_S1",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,\\"RAD+CAL"\'
),
end;

```

|                                                                                   |                                                                                   |                      |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------|
|  |  | JIR-IAPS-SY-006-2020 |
| Issue                                                                             | 1.0                                                                               | 15/06/2020           |
| Page                                                                              | 46                                                                                | of 99                |

```

        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_SCIDB_PAR(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_SCIDB_PAR(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,\\"RAD+CAL"\'
),
end;

request(JRM_036,
    START_TIME,2019-254T18:18:15.000,
    TITLE, "jm0221_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_SCIDB_PAR(28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_SCIDB_PAR(28991,5000,5000,"LOW","LOW","POINT",-57025,"NO_SUMMED_SCI")
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>47</b>  | of <b>99</b> |

```

        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_S1",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_S1",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,\\"RAD+CAL"\)
),
end;

request(JRM_037,
        START_TIME,2019-254T18:28:15.000,
        TITLE, "jm0221_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_S1",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")
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>48</b>  | of <b>99</b> |

```

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_S1",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_S1",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_22_015_Approach_2019-254T18:28:15.000"\'
),
end;

request(JRM_038,
    START_TIME,2019-254T18:38:15.000,
    TITLE, "jm0221_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_S1",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")
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>49</b>  | of <b>99</b> |

```

        ),
    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_S1",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_S1",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,\\"RAD+CAL"\)
    ),
end;

request(JRM_039,
    START_TIME,2019-254T18:58:15.000,
    TITLE, "jm0221_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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>50</b>  | of <b>99</b> |

```

JRM_SCI_PAR("SCI_I1_S1",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_SET_PAR(92,8174)
),

JRM_SCI_PAR("SCI_I1_S1",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_SET_PAR(92,8174)
),

JRM_SCI_PAR("SCI_I1_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_040,
    START_TIME,2019-254T19:18:15.000,
    TITLE, "jm0221_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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>51</b>  | of <b>99</b> |

SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,

```

JRM_SCI_PAR("SCI_I1_S1",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_SCIENCE()

JRM_SCI_PAR("SCI_I1_S1",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_SCIENCE()

JRM_SCI_PAR("SCI_I1_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_041,
START_TIME,2019-254T19:38:15.000,
TITLE, "jm0221_JRM_Science",
REQUESTOR, "JRMTEAM",
PROCESSOR, "VC2",
KEY, "No_Key")
command(1,
SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
JRM_SET_PAR(92,153)
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>52</b>  | of <b>99</b> |

```

        command(2,
            SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
            JRM_SCI_PAR("SCI_I1_S1",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_S1",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_S1",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, \"RAD+CAL\"\
        ),
    end;

request(JRM_042,
    START_TIME, 2019-254T19:58:15.000,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
    JRM_SET_PAR(92,153)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>53</b>  | of <b>99</b> |

```

),
command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I1_S1",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_S1",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_S1",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,\\"RAD+CAL\"\n
),
end;

request(JRM_043,
        START_TIME,2019-254T20:18:15.000,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>54</b>  | of <b>99</b> |

```

        JRM_SET_PAR(92,153)
),
command(2,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        JRM SCI PAR("SCI_I1_S1",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_S1",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_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_044,
        START_TIME,2019-254T20:28:15.000,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
command(1,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>55</b>  | of <b>99</b> |

```

        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_S1",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_S1",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_S1",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_22_016_Approach_2019-254T20:28:15.000"\'
    ),
end;

request(JRM_045,
        START_TIME,2019-254T20:38:15.000,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>56</b>  | of <b>99</b> |

```

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_S1",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_S1",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_S1",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,\"RAD+CAL\"\\
    ),
end;

request(JRM_046,
        START_TIME,2019-254T20:58:15.000,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>57</b>  | of <b>99</b> |

```

        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_S1",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_S1",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_S1",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, \"RAD+CAL"\'
),
end;

request(JRM_047,
    START_TIME,2019-254T21:18:15.000,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>58</b>  | of <b>99</b> |

```

    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_S1",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_S1",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_S1",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, \\"RAD+CAL"\'
),
end;
request(JRM_048,
    START_TIME, 2019-254T21:38:15.000,
    TITLE, "jm0221_JRM_Science",

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>59</b>  | of <b>99</b> |

```

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_S1",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_S1",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_S1",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,\\"RAD+CAL"\'
),
end;

request(JRM_049,
START_TIME,2019-254T21:58:15.000,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>60</b>  | of <b>99</b> |

```

        TITLE, "jm0221_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_S1",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_S1",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_S1",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_22_017_Approach_2019-254T21:58:15.000"\'
),
end;

request(JRM_050,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>61</b>  | of <b>99</b> |

```

START_TIME,2019-254T22:18:15.000,
TITLE, "jm0221_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_SET_PAR(92,153)
),
JRM_SCI_PAR("SCI_I1_S1",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_S1",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_S1",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,\"RAD+CAL\")
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>62</b>  | of <b>99</b> |

```

request(JRM_051,
        START_TIME,2019-254T22:38:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,\\"RAD+CAL"\'
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>63</b>  | of <b>99</b> |

```

request(JRM_052,
        START_TIME,2019-254T22:58:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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_22_018_Approach_2019-254T22:58:15.000"\'
    ),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>64</b>  | of <b>99</b> |

end;

```

request(JRM_053,
        START_TIME, 2019-254T23:18:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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, \\"RAD+CAL"\\
    )
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>65</b>  | of <b>99</b> |

```

        ),
end;

request(JRM_054,
        START_TIME, 2019-254T23:38:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>66</b>  | of <b>99</b> |

```

        TEXT, \"RAD+CAL\"\\
    ),
end;

request(JRM_055,
    START_TIME, 2019-254T23:58:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>67</b>  | of <b>99</b> |

```

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

request(JRM_056,
        START_TIME,2019-255T00:18:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>68</b>  | of <b>99</b> |

```

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

request(JRM_057,
        START_TIME,2019-255T00:28:15.000,
        TITLE, "jm0221_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_SET_PAR(92,153)
      ),
  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_SET_PAR(92,153)
      ),
  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_SET_PAR(92,153)
      ),
  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()
      )
  );

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>69</b>  | of <b>99</b> |

```

),
note(1,
      SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
      TEXT,\\"Radiation_Sequence_22_019_Approach_2019-255T00:28:15.000"\\
),
end;

request(JRM_058,
        START_TIME,2019-255T00:38:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>70</b>  | of <b>99</b> |

```

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

request(JRM_059,
START_TIME,2019-255T00:58:15.000,
TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>71</b>  | of <b>99</b> |

```

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

request(JRM_060,
        START_TIME,2019-255T01:18:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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)
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>72</b>  | of <b>99</b> |

```

        command(14,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\\"RAD+CAL"\'
        ),
    end;

request(JRM_061,
    START_TIME,2019-255T01:38:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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)
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>73</b>  | of <b>99</b> |

```

),
command(14,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"RAD+CAL"\'
),
end;

request(JRM_062,
    START_TIME,2019-255T01:58:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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_SCIENCE()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>74</b>  | of <b>99</b> |

```

        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_22_020_Approach_2019-255T01:58:15.000"\'
),
end;

request(JRM_063,
        START_TIME,2019-255T02:17:15.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>75</b>  | of <b>99</b> |

```

        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,\\"RAD+CAL\"\,
    ),
end;

request(JRM_064,
    START_TIME,2019-255T02:23:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>76</b>  | of <b>99</b> |

```

        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_22_021_Approach_2019-255T02:23:15.000"\'
        ),
    end;

request(JRM_065,
    START_TIME,2019-255T02:34:45.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",14,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,326,2500,5000,"LOW","LOW","POINT",-57343,2500,5000,"LOW","LOW","SPIN",-762,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:07:54\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Dark North"\'
),
end;

request(JRM_066,
    START_TIME,2019-255T02:42:51.500,
    TITLE, "jm0221_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_067,
    START_TIME,2019-255T02:43:25.000,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>77</b>  | of <b>99</b> |

```

        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_S1",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_S1",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_S1",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_22_022_EdgeOfHalo_2019-255T02:43:25.000\""
),
end;

request(JRM_068,
    START_TIME,2019-255T02:47:58.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",

```

|                                                                                   |                                                                                   |                             |           |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|-----------|--|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |           |  |
| Issue                                                                             | <b>1.0</b>                                                                        | <b>15/06/2020</b>           |           |  |
| Page                                                                              | <b>78</b>                                                                         | of                          | <b>99</b> |  |

```

        PROCESSOR, "VC2",
        KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,1250)
),
command(2,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I1_S1",23,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,157,2500,5000,"LOW","L
        OW","POINT",-57343,2500,5000,"LOW","LOW","SPIN",7290,"NO_SUMMED_SCI")
),
command(3,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
),
command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
),
command(5,
        SCHEDULED_TIME,\00:12:28\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
),
command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
),
note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Limb Dark North"
),
end;

request(JRM_069,
        START_TIME,2019-255T03:00:38.500,
        TITLE, "jm0221_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_070,
        START_TIME,2019-255T03:01:21.000,
        TITLE, "jm0221_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_S1",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()
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>79</b>  | of <b>99</b> |

```

        ),
        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_S1",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_S1",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_22_023_CircCycMAO_2019-255T03:01:21.000"\'
        ),
    end;

request(JRM_071,
    START_TIME,2019-255T03:07:16.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,382,5000,5000,"LOW","LO
W","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-7253,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SET_PAR(92,8174)
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Radiation_Sequence_22_023_CircCycMAO_2019-255T03:01:21.000"\'
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>80</b>  | of <b>99</b> |

```

        JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:03:50\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"Ganymede FP North\"\)
),
end;

request(JRM_072,
    START_TIME,2019-255T03:11:51.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",6,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,510,5000,5000,"LOW","LOW",
    "POINT",-57343,5000,5000,"LOW","LOW","SPIN",-1870,"NO_SUMMED SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:03:50\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"Io FP North\"\)
),
end;

request(JRM_073,
    START_TIME,2019-255T03:16:25.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",13,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,84,2500,5000,"LOW","LOW",
    "POINT",-57343,2500,5000,"LOW","LOW","SPIN",14348,"NO_SUMMED SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC())

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>81</b>  | of <b>99</b> |

```

        ),
    command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:07:23\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Limb Up"\)
    ),
end;

request(JRM_074,
    START_TIME,2019-255T03:24:02.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",11,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,54,2500,5000,"LOW","LOW",
    "POINT",-57343,2500,5000,"LOW","LOW","SPIN",15400,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:06:22\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Up"\)
),
end;

request(JRM_075,
    START_TIME,2019-255T03:30:38.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",11,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW",
    "POINT",-57343,2500,5000,"LOW","LOW","SPIN",15542,"NO_SUMMED_SCI")
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>82</b>  | of <b>99</b> |

```

        command(3,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:06:21\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
        note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\\"Limb Up"
        ),
    end;

request(JRM_076,
    START_TIME,2019-255T03:37:14.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I1_S1",4,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",13709,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:02:48\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Up"
),
end;

request(JRM_077,
    START_TIME,2019-255T03:40:14.500,
    TITLE, "jm0221_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"
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>83</b>  | of <b>99</b> |

```

        ),
end;

request(JRM_078,
        START_TIME, 2019-255T03:45:00.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>84</b>  | of <b>99</b> |

```

        TEXT, \"Radiation_Sequence_22_024_RingMagEq_2019-255T03:45:00.000\"\\
    ),
end;

request(JRM_079,
    START_TIME,2019-255T04:05:15.000,
    TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>85</b>  | of <b>99</b> |

```

        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Radiation_Sequence_22_025_SHiLatLobe_2019-255T04:05:15.000"\

),
end;

request(JRM_080,
        START_TIME,2019-255T04:10:45.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>86</b>  | of <b>99</b> |

```

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

request(JRM_081,
        START_TIME,2019-255T04:16:45.000,
        TITLE, "jm0221_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_SET_PAR(92,153)
      ),
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_SET_PAR(92,153)
      ),
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_SET_PAR(92,153)
      ),
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()
      )
  );

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>87</b>  | of <b>99</b> |

```

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

request(JRM_082,
        START_TIME,2019-255T04:22:45.000,
        TITLE, "jm0221_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_S1",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_S1",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_S1",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,

```

|                                                                                   |                                                                                   |                             |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |
|                                                                                   | Issue<br><b>1.0</b>                                                               | 15/06/2020                  |
|                                                                                   | Page<br><b>88</b>                                                                 | of<br><b>99</b>             |

```

        JRM_ERROR_LOG()
),
note(1,
SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
TEXT,\"Radiation_Sequence_22_026_OutbndFromSync_2019-255T04:22:45.000\"\
),
end;

request(JRM_083,
START_TIME,2019-255T04:28:45.000,
TITLE, "jm0221_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_S1",1,1,0,"IDIS_SDIST","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_S1",1,1,0,"IDIS_SDIST","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_S1",1,1,0,"IDIS_SDIST","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,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>89</b>  | of <b>99</b> |

```

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

request(JRM_084,
        START_TIME,2019-255T04:34:28.500,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,1250)
),
command(2,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I1_S1",10,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
        ,,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-453,"NO_SUMMED_SCI")
),
command(3,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
),
command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
),
command(5,
        SCHEDULED_TIME,\00:05:50\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
),
command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
),
note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Limb Down\""
),
end;

request(JRM_085,
        START_TIME,2019-255T04:40:33.500,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,1250)
),
command(2,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I1_S1",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
        ,,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-2132,"NO_SUMMED_SCI")
),
command(3,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
),
command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
),
command(5,
        SCHEDULED_TIME,\00:04:50\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
),
note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Limb Up\""
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>90</b>  | of <b>99</b> |

```

        JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Down"\)
),
end;

request(JRM_086,
    START_TIME,2019-255T04:45:38.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-3645,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:04:50\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Down"\)
),
end;

request(JRM_087,
    START_TIME,2019-255T04:50:43.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I1_S1",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-4354,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>91</b>  | of <b>99</b> |

```

        ),
    command(5,
        SCHEDULED_TIME,\00:04:50\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Limb Down"
    ),
end;

request(JRM_088,
    START_TIME,2019-255T04:55:48.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I1_S1",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-4791,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:04:50\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"Limb Down"
),
end;

request(JRM_089,
    START_TIME,2019-255T05:00:53.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I1_S1",8,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW"
,"POINT",-57343,2500,5000,"LOW","LOW","SPIN",-5078,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>92</b>  | of <b>99</b> |

```

        command(4,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:04:50\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
        note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\\"Limb Down"
        ),
    end;

request(JRM_090,
    START_TIME,2019-255T05:11:03.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",17,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,214,5000,5000,"LOW","LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-1678,"NO_SUMMED SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:09:25\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"South Aurora"
),
end;

request(JRM_091,
    START_TIME,2019-255T05:20:43.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCI_PAR("SCI_I3_S1",28,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,207,5000,5000,"LOW","LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4193,"NO_SUMMED SCI")
),
command(3,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>93</b>  | of <b>99</b> |

```

        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:15:02\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\"South Aurora\"\
    ),
end;

request(JRM_092,
    START_TIME,2019-255T05:35:57.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
JRM SCI PAR("SCI_I3_S1",24,1,0,"IDIS SDIS","HSSL","ENABLE","DARK","DISABLE",0,219,5000,5000,"LOW","LOW","POINT",-57343,5000,5000,"LOW","LOW","SPIN",-4561,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:13:00\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\"South Aurora\"\
),
end;

request(JRM_093,
    START_TIME,2019-255T05:49:41.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,2465)
),
command(2,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>94</b>  | of <b>99</b> |

```

JRM_SCI_PAR("SCI_I2_S1",18,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,407,75,5000,"LOW","LOW"
", "POINT",-57343,75,5000,"LOW","LOW","SPIN",-4017,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:09:56\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"South Pole"
),
end;

request(JRM_094,
    START_TIME,2019-255T05:59:51.500,
    TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
JRM_SCI_PAR("SCI_I3_S1",20,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,226,5000,5000,"LOW","LOW"
", "POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3954,"NO_SUMMED_SCI")
),
command(3,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME,\00:10:57\,FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
    TEXT,\\"South Aurora"
),
end;

request(JRM_095,
    START_TIME,2019-255T06:11:02.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
    JRM_SET_PAR(74,2465)
)

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>95</b>  | of <b>99</b> |

```

        ),
        command(2,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCI_PAR("SCI_I2_S1",15,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,405,75,5000,"LOW","LOW",
",POINT",-57343,75,5000,"LOW","LOW","SPIN",-3535,"NO_SUMMED_SCI")
        ),
        command(3,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:08:25\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
        note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\\"South Pole"\)
        ),
    end;

request(JRM_096,
        START_TIME,2019-255T06:19:40.500,
        TITLE, "jm0221_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,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I3_S1",15,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,223,5000,5000,"LOW","LOW",
",POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3576,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:08:24\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"South Aurora"\)
    ),
end;

request(JRM_097,
        START_TIME,2019-255T06:28:19.500,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>96</b>  | of <b>99</b> |

```

        command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(74,0)
        ),
        command(2,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCI_PAR("SCI_I3_S1",2,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,224,5000,5000,"LOW","LOW",
"POINT",-57343,5000,5000,"LOW","LOW","SPIN",-3238,"NO_SUMMED_SCI")
        ),
        command(3,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_START_HS_REC()
        ),
        command(4,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_SCIENCE()
        ),
        command(5,
            SCHEDULED_TIME,\00:01:48\,FROM_PREVIOUS_START,
            JRM_ERROR_LOG()
        ),
        command(6,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
            JRM_STOP_HS_REC()
        ),
        note(1,
            SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
            TEXT,\\"South Aurora"\)
        ),
    end;

request(JRM_098,
        START_TIME,2019-255T06:30:51.500,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
    command(1,
        SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
        JRM_SET_PAR(74,2465)
    ),
    command(2,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCI_PAR("SCI_I2_S1",41,1,0,"IDIS_SDIS","HSSL","ENABLE","DARK","DISABLE",0,175,75,5000,"LOW","LOW",
"POINT",-57343,75,5000,"LOW","LOW","SPIN",-3861,"NO_SUMMED_SCI")
    ),
    command(3,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_START_HS_REC()
    ),
    command(4,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_SCIENCE()
    ),
    command(5,
        SCHEDULED_TIME,\00:21:38\,FROM_PREVIOUS_START,
        JRM_ERROR_LOG()
    ),
    command(6,
        SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,
        JRM_STOP_HS_REC()
    ),
    note(1,
        SCHEDULED_TIME,\00:00:04\,FROM_PREVIOUS_START,
        TEXT,\\"Atmosphere"\)
    ),
end;

request(JRM_099,
        START_TIME,2019-255T06:52:43.500,
        TITLE, "jm0221_JRM_Science",

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>97</b>  | of <b>99</b> |

```

REQUESTOR, "JRMTEAM",
PROCESSOR, "VC2",
KEY, "No_Key")
command(1,
    SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
    JRM_SET_PAR(74,2465)
),
command(2,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
JRM SCI PAR("SCI_I2_S1",36,1,0,"IDIS SDIS","HSSL","ENABLE","DARK","DISABLE",0,200,75,5000,"LOW","LOW
","POINT",-57343,75,5000,"LOW","LOW","SPIN",-3854,"NO_SUMMED SCI")
),
command(3,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME, \00:19:05\, FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    TEXT, \Atmosphere\
),
end;

request(JRM_100,
    START_TIME, 2019-255T07:12:32.500,
    TITLE, "jm0221_JRM_Science",
    REQUESTOR, "JRMTEAM",
    PROCESSOR, "VC2",
    KEY, "No_Key")
command(1,
    SCHEDULED_TIME, \00:00:00\, FROM_REQUEST_START,
    JRM_SET_PAR(74,1250)
),
command(2,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
JRM SCI PAR("SCI_I1_S1",30,1,0,"IDIS SDIS","HSSL","ENABLE","DARK","DISABLE",0,60,2500,5000,"LOW","LO
W","POINT",-57343,2500,5000,"LOW","LOW","SPIN",-1778,"NO_SUMMED SCI")
),
command(3,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_START_HS_REC()
),
command(4,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_SCIENCE()
),
command(5,
    SCHEDULED_TIME, \00:16:02\, FROM_PREVIOUS_START,
    JRM_ERROR_LOG()
),
command(6,
    SCHEDULED_TIME, \00:00:02\, FROM_PREVIOUS_START,
    JRM_STOP_HS_REC()
),
note(1,
    SCHEDULED_TIME, \00:00:04\, FROM_PREVIOUS_START,
    TEXT, \Limb Dark South\
),
end;

```

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>98</b>  | of <b>99</b> |

```

request(JRM_101,
        START_TIME,2019-255T07:28:48.500,
        TITLE, "jm0221_JRM_Science",
        REQUESTOR, "JRMTEAM",
        PROCESSOR, "VC2",
        KEY, "No_Key")
    command(1,
            SCHEDULED_TIME,\00:00:00\,FROM_REQUEST_START,
            JRM_SET_PAR(74,1250)
        ),
    command(2,
            SCHEDULED_TIME,\00:00:02\,FROM_PREVIOUS_START,

```

JRM SCI PAR("SCI\_I1\_S1",28,1,0,"IDIS\_SDIS","HSSL","ENABLE","DARK","DISABLE",0,0,2500,5000,"LOW","LOW","POINT",-57343,2500,5000,"LOW","LOW","SPIN",-36,"NO\_SUMMED\_SCI")
 ),
 command(3,
 SCHEDULED\_TIME,\00:00:02\,FROM\_PREVIOUS\_START,
 JRM\_START\_HS\_REC()
 ),
 command(4,
 SCHEDULED\_TIME,\00:00:02\,FROM\_PREVIOUS\_START,
 JRM\_SCIENCE()
 ),
 command(5,
 SCHEDULED\_TIME,\00:15:00\,FROM\_PREVIOUS\_START,
 JRM\_ERROR\_LOG()
 ),
 command(6,
 SCHEDULED\_TIME,\00:00:02\,FROM\_PREVIOUS\_START,
 JRM\_STOP\_HS\_REC()
 ),
 note(1,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 TEXT,\\"Limb Dark South"
 ),
end;

request(JRM\_102,
 START\_TIME,2019-255T07:44:00.500,
 TITLE, "jm0221\_JRM\_Calibration",
 REQUESTOR, "JRMTEAM",
 PROCESSOR, "VC2",
 KEY, "No\_Key")
 command(1,
 SCHEDULED\_TIME,\00:00:00\,FROM\_REQUEST\_START,
 JRM\_CAL\_PAR(8,14,8,14,30,700,30,700,30,700,30,700,30,700,200,200,153,153)
 ),
 command(2,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 JRM\_GET\_PAR(6000)
 ),
 command(3,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 JRM\_START\_HS\_REC()
 ),
 command(4,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 JRM\_CALIBRATION("CAL\_I1\_S1","IDIS\_SDIS","DISABLE",1,"LAMP\_1")
 ),
 command(5,
 SCHEDULED\_TIME,\00:04:00\,FROM\_PREVIOUS\_START,
 JRM\_STOP\_HS\_REC()
 ),
 command(6,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 JRM\_ERROR\_LOG()
 ),
 note(1,
 SCHEDULED\_TIME,\00:00:04\,FROM\_PREVIOUS\_START,
 TEXT,\\"NaN"
 ),
end;

|                                                                                   |                                                                                   |                             |            |              |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|  |  | <b>JIR-IAPS-SY-006-2020</b> |            |              |
|                                                                                   |                                                                                   | Issue                       | <b>1.0</b> | 15/06/2020   |
|                                                                                   |                                                                                   | Page                        | <b>99</b>  | of <b>99</b> |

```

request(JRM_103,
        START_TIME,2019-255T07:48:20.500,
        TITLE, "jm0221_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_104,
        START_TIME,2019-255T07:48:36.500,
        TITLE, "jm0221_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$EOF

```