1 General Comments

Activities scheduled for this week are those planned for the 30th calendar week of 2019:
22 JUL 2019 to 29 JUL 2019 (DOYs 203 to 210).

The following routine activities were planned this week (see Gantt chart on next page and CRF 822).

- One PMS Offset on 25 JUL 2019 (DOY 206), including three Short Calibrations at 06:42:00.0z, 06:42:34.8z, and 06:43:09.6z (orbit 51113).
- Local Oscillator Calibrations every 10 minutes.
- X band Passes over ESAC and Svalbard.

2 Mission Planning Deviations

None.
Operations Notes
FOS Team @ ESAC
Reported by: J. Fauste/J.M. Castro Cerón

Topic: FOS Report for week 30, year 2019
Date: from 22 JUL 2019 to 29 JUL 2019
Issue: 1.0

Schedule Name: 2019_w30_of ### Display start: 22-07-2019 00:00:00.000 ### Display end: 29-07-2019 00:00:00.000

Date | 22/7/2019 | 23/7/2019 | 24/7/2019 | 26/7/2019 | 27/7/2019 | 28/7/2019 | 29/7/2019
--- | --- | --- | --- | --- | --- | --- | ---
SMOS Sequences
Disable_Cyclic_Funct on_SELG
Enable_Cyclic_Funct on_SELG
intLLO_Phase_Cal_N PMSE_Full_NNEXT_... C
PMSE_Offset_Calibra tion_Full_SELG
Sband_Visibility_SELG
XII_cmd_Downlink_A Lp_SELG
XII_cmd_Downlink_V p_SELG

Operations Notes — FOS Team @ ESAC
3 TC Failures
None.

4 On Board Anomalies
• The MIRAS CMN, unit H1, unlocked 2019-07-25T14:09:35.415z (DOY 206). This anomaly was geolocated over eastern Greenland:

  \[
  \begin{align*}
  \text{Latitude} & = 70.76^\circ \\
  \text{Longitude} & = 212.92^\circ 
  \end{align*}
  \]

  Both parameters, output power SPM11162 and locking status SPM11167, went out of limits in the FOS PLPC system. The anomaly recovered in 5 epochs.

5 On Board Events Telemetry
The following RAM Single Bit errors befell this week:

<table>
<thead>
<tr>
<th>Event Description</th>
<th>Packet ID</th>
<th>Severity</th>
<th>Event Time</th>
<th>Parameters</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAM single Bit Error</td>
<td>730</td>
<td>WARN</td>
<td>2019-07-28T12:34:32</td>
<td>2010D40</td>
</tr>
<tr>
<td>RAM single Bit Error</td>
<td>730</td>
<td>WARN</td>
<td>2019-07-28T11:45:44</td>
<td>2263D74</td>
</tr>
<tr>
<td>RAM single Bit Error</td>
<td>730</td>
<td>WARN</td>
<td>2019-07-24T21:17:20</td>
<td>2043558</td>
</tr>
<tr>
<td>RAM single Bit Error</td>
<td>730</td>
<td>WARN</td>
<td>2019-07-24T02:02:44</td>
<td>209F7C8</td>
</tr>
</tbody>
</table>

6 FOS Systems Status
All FOS systems nominal.

7 Data Reception from CNES
All S band passes were correctly received from CNES and successfully processed by the FOS PLPC system.

8 X Band Data Reception in PXMF
None, all S band passes successfully received and processed.

9 Exceptional Activities
None.

10 AOB
None.
APPENDIX A: OOLs

The following OOLs were received on the FOS PLPC system at the time of the CMN Unlock on the 25 of July.

<table>
<thead>
<tr>
<th>GS_TIME</th>
<th>OB_TIME</th>
<th>PARAMETER</th>
<th>DESCRIPTION</th>
<th>OOL Value</th>
<th>Check Value</th>
</tr>
</thead>
</table>