**JPL**
**Jet Propulsion Laboratory**
California Institute of Technology

*MISR*
**Multi-angle**
**Imaging**
**Spectro-**
**Radiometer**

## INTEROFFICE MEMORANDUM

THIS UPDATE: February 13, 2001
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **February 2001**
FILENAME: /data/MISR_Project/LM/0102_requests.fm

Here is the February 2001 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, that of January 15, 2001. Rows proceeded with an * are extra critical: field campaign in progress.

Due to some confusion over start time of events, a new table is included in this monthly request list, showing the length of time for each type of event and the corresponding time offset. This means that the "GMT Start Time" in the main table truly reflects the start time of any event, there is no conversion from Local Mode start time for other types of activities. The type of event is flagged as a reminder of the offset from nadir that is build into the listed time. Cal_dark sequences are scheduled every other new moon.

### Table 1: Acquisition Times And Offsets

| Operation | Table Abbreviation | Duration (minutes) | Before Nadir | Comments |
|---|---|---|---|---|
| Local Mode | LM | 7:35 | 3:47 | |
| Cal_diode | CD | 2:08 | 1:04 | Warm up diodes for 5 minutes before starting Cal_diode |
| Cal_dark | DK | 6:10 | --- | Preferably 7 minutes before end of orbit |
| Cal_north | CN | 7:11 | --- | Scheduled by IOT team near Cal_dark orbit |

## Table 1: Acquisition Times And Offsets

| Operation | Table Abbreviation | Duration (minutes) | Before Nadir | Comments |
|---|---|---|---|---|
| Cal_south | CS | ---8:10 | --- | Scheduled by IOT team near Cal_dark orbit |

## Table 2: February 2001 Requests

| Data product req'd | Pri-ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|---|---|---|---|---|---|---|---|---|---|
| Cal_Diode | | #204 | Egypt_1 | 179 | 69 | February 4, 2001 | 6029 | 2001/035/09:11:40 (CD) | 30.3 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | February 4, 2001 | 6030 | 2001/035/10:49:29 (CD) | 43.3 |
| L1A | | #189 | White_Sands | 33 | 64 | February 5, 2001 | 6049 | 2001/036/18:04:58 (LM) | 4.4 |
| L2-AS | | #012 | TWP_Manus | 97 | 92 | February 6, 2001 | 6053 | 2001/037/00:50:09 (LM) | 89.5 |
| L2-AS | | #054 | Egypt_Desert | 177 | 73 | February 6, 2001 | 6058 | 2001/037/08:57:49 (LM) | 37.7 |
| L1A | | #094 | Lunar_Lake | 40 | 60 | February 6, 2001 | 6064 | 2001/037/18:46:45 (LM) | 22.0 |
| L2-AS | * | #040 | Chesapeake | 13 | 61 | February 9, 2001 | 6106 | 2001/040/16:00:20 (LM) | 107.4 |
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | February 10, 2001 | 6125 | 2001/041/23:29:22 (LM) | 9.1 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | February 12, 2001 | 6146 | 2001/043/10:01:44 (CD) | 3.1 |
| L2-AS | * | #079 | JPL | 41 | 63 | February 13, 2001 | 6166 | 2001/044/18:53:56 (LM) | 32.0 |
| L1A | | #140 | Salar | 233 | 107 | February 14, 2001 | 6178 | 2001/045/14:55:36 (LM) | 3.1 |
| L2-AS | | #012 | TWP_Manus | 96 | 92 | February 15, 2001 | 6184 | 2001/046/00:43:54 (LM) | 77.4 |

**Table 2: February 2001 Requests**

| Data product req'd | Pri-ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|---|---|---|---|---|---|---|---|---|---|
| Cal_Diode | | #002 | Algeria_3 | 192 | 66 | February 15, 2001 | 6190 | 2001/046/10:30:54 (CD) | 50.6 |
| L2-AS | * | #040 | Chesapeake | 14 | 61 | February 16, 2001 | 6208 | 2001/047/16:06:15 (LM) | 27.6 |
| L1A | * | #205 | Plymouth | 204 | 50 | February 19, 2001 | 6249 | 2001/050/11:36:36 (LM) | 51.0 |
| Cal_Diode | | #204 | Egypt_1 | 179 | 69 | February 20, 2001 | 6262 | 2001/051/09:11:20 (CD) | 30.3 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | February 20, 2001 | 6263 | 2001/051/10:49:09 (CD) | 43.3 |
| L1A | | #189 | White_Sands | 33 | 64 | February 21, 2001 | 6282 | 2001/052/18:04:36 (LM) | 3.1 |
| L2-AS | | #012 | TWP_Manus | 97 | 92 | February 22, 2001 | 6286 | 2001/053/00:49:46 (LM) | 88.1 |
| L2-AS | | #054 | Egypt_Desert | 177 | 73 | February 22, 2001 | 6291 | 2001/053/08:57:25 (LM) | 36.3 |
| Cal_north | | --- | --- | 24 | --- | February 22, 2001 | 6296 | 2001/053/16:49:33 (CN) | --- |
| Cal_south | | --- | --- | 40 | --- | February 22, 2001 | 6297 | 2001/053/19:28:53 (CS) | --- |
| Cal_dark | | --- | 13.1 °S, 102.8. °W | 136 | --- | February 23, 2001 | 6303 | 2001/054/05:36:39 (DK) | --- |
| L1A | | #094 | Lunar_Lake | 40 | 60 | February 22, 2001 | 6297 | 2001/053/18:46:20 (LM) | 23.1 |
| L2-AS | * | #040 | Chesapeake | 13 | 61 | February 25, 2001 | 6339 | 2001/056/15:59:50 (LM) | 111.0 |
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | February 26, 2001 | 6358 | 2001/057/23:28:49 (LM) | 15.6 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | February 28, 2001 | 6379 | 2001/059/10:01:09 (CD) | 8.8 |

The column labelled "data product required" reflects the highest level of data processing that our science teams members will request, for either Global Mode or Local Mode data products. In the case of Global Mode data products, the processing to Level 2 data

products may not be done for data sets acquired prior to May 1, 2001. This table thus gives a list of orbits where we would like early mission data to be processed to Level 2. As this file resides on the developers page, it is for internal JPL use only. Therefore, it is a "wishlist", and does not commit us to producing these products to outside investigators. We recognize that Local Mode data are currently only produced to L1B1 at the DAAC. Thus, the request for L2 Local Mode data products cannot be fulfilled at this time. The purpose of this column, with respect to L2-LM products, is to track of which data sets should be processes to L2, should this capability come to exist some time in the future.

This memorandum is also used as a history, documenting Local Mode and calibration data sets for future reference.