

INTEROFFICE MEMORANDUM

THIS UPDATE: February 2, 2005
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **January 2005**
 FILENAME: /data/MISR_Project/LM/0501_requests.fm

This is the January 2005 list of MISR Local Mode observations to be scheduled by the IOT team. Data acquisition times are based on the latest available GRNDTRCK7_* file, of December 20, 2004. Rows proceeded with an * have field campaign in progress.

The first table included in this monthly request list shows 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, there is a Cal_dark sequence in January.

Table 1: Acquisition Times And Offsets

| Operation | Table Abbreviation | Duration (minutes) | Before Nadir (in Table) | Comments |
|--------------------------|--------------------|--------------------|-------------------------|--|
| Local Mode | LM | 7:35 | 3:47 | |
| Cal_diode, sequence of 4 | CD | 2:08 each | 4:42, first one | 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 before Cal_dark orbit |
| Cal_south | CS | 8:10 | --- | Scheduled by IOT team before Cal_dark orbit |

Table 2: January 2005 Requests

| Data product req'd | Pri- ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|---------------|------|-------------------|------|-------|------------------|---------|------------------------|----------------|
| L2-AS | * | #040 | Chesapeake | 15 | 61 | January 01, 2005 | 26814 | 2005/001/15:59:46 (LM) | 154.2 |
| L2-AS | * | #040 | Chesapeake | 13 | 61 | January 03, 2005 | 26843 | 2005/003/15:47:40 (LM) | 115.7 |
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | January 04, 2005 | 26862 | 2005/004/23:16:44 (LM) | 14.6 |
| L1B1 | | #144 | Santarem | 228 | 92 | January 05, 2005 | 26871 | 2005/005/14:07:08 (LM) | 113.0 |
| L2-AS | | #105 | Mexico_City | 27 | 75 | January 05, 2005 | 26873 | 2005/005/17:18:52 (LM) | 141.8 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | January 06, 2005 | 26883 | 2005/006/09:45:30 (CD) | 9.3 |
| L1B1 | * | #246 | W_Barbuda_Is | 2 | 77 | January 06, 2005 | 26886 | 2005/006/14:45:00 (LM) | 105.7 |
| Cal_Diode | | #166 | Pacific_Temp | 50 | 67 | January 06, 2005 | 26889 | 2005/006/19:37:22 (CD) | 143.8 |
| L2-AS | * | #070 | Houston | 25 | 67 | January 07, 2005 | 26902 | 2005/007/17:03:47 (LM) | 41.0 |
| L2-AS | | #079 | JPL | 41 | 63 | January 07, 2005 | 26903 | 2005/007/18:41:23 (LM) | 23.9 |
| L1B1 | | #091 | London | 201 | 49 | January 08, 2005 | 26913 | 2005/008/11:05:27 (LM) | 31.6 |
| L1B1 | * | #245 | E_Barbuda_Is | 233 | 77 | January 08, 2005 | 26915 | 2005/008/14:32:40 (LM) | 115.0 |
| L2-AS | | #179 | USDA_MD | 16 | 59 | January 08, 2005 | 26916 | 2005/008/16:05:26 (LM) | 130.5 |
| Cal_Diode | | #109 | MOBY_Buoy | 64 | 74 | January 08, 2005 | 26919 | 2005/008/21:06:20 (CD) | 17.3 |
| L2-AS | | #012 | TWP_Manus | 96 | 92 | January 09, 2005 | 26921 | 2005/009/00:31:23 (LM) | 81.9 |
| Cal_Diode | | #002 | Algeria_3 | 192 | 66 | January 09, 2005 | 26927 | 2005/009/10:14:46 (CD) | 43.2 |
| L2-AS | * | #040 | Chesapeake | 14 | 61 | January 10, 2005 | 26945 | 2005/010/15:53:47 (LM) | 20.9 |
| Cal_North | | --- | 74.0 °N, 160.4 °E | 190 | --- | January 11, 2005 | 26956 | 2005/011/09:46:29 (CN) | --- |
| Cal_South | | --- | 66.9 °S, 146.0 °E | 222 | --- | January 11, 2005 | 26958 | 2005/011/14:04:59 (CS) | --- |

Table 2: January 2005 Requests

| Data product req'd | Pri- ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|---------------|------|------------------|------|-------|------------------|---------|------------------------|----------------|
| Cal_Dark | | --- | 23.7 °S, 77.4 °E | 21 | -- | January 11, 2005 | 26960 | 2005/011/17:33:40 (DK) | --- |
| L2-AS | | #013 | TWP_Nauru | 85 | 91 | January 11, 2005 | 26964 | 2005/011/23:22:53 (LM) | 154.0 |
| L1B1 | | #205 | Plymouth | 204 | 50 | January 13, 2005 | 26986 | 2005/013/11:24:16 (LM) | 43.4 |
| L1B1 | * | #246 | W_Barbuda_Is | 3 | 76 | January 13, 2005 | 26988 | 2005/013/14:51:09 (LM) | 55.0 |
| Cal_Diode | * | #204 | Egypt_1 | 179 | 69 | January 14, 2005 | 26999 | 2005/014/08:55:24 (CD) | 35.6 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | January 14, 2005 | 27000 | 2005/014/10:33:13 (CD) | 48.9 |
| L2-AS | * | #070 | Houston | 26 | 67 | January 14, 2005 | 27004 | 2005/014/17:09:55 (LM) | 105.4 |
| L1B1 | * | #245 | E_Barbuda_Is | 1 | 76 | January 15, 2005 | 27017 | 2005/015/14:38:49 (LM) | 45.7 |
| L2-AS | | #012 | TWP_Manus | 97 | 92 | January 16, 2005 | 27023 | 2005/016/00:37:32 (LM) | 86.4 |
| L1B1 | | #054 | Egypt_Desert | 177 | 73 | January 16, 2005 | 27028 | 2005/016/08:45:13 (LM) | 32.2 |
| L2-AS | * | #040 | Chesapeake | 15 | 61 | January 17, 2005 | 27047 | 2005/017/15:59:55 (LM) | 154.8 |
| L2-AS | * | #040 | Chesapeake | 13 | 61 | January 19, 2005 | 27076 | 2005/019/15:47:48 (LM) | 114.8 |
| L1B1 | | #250 | Sudd | 173 | 84 | January 20, 2005 | 27086 | 2005/020/08:24:29 (LM) | 95.4 |
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | January 20, 2005 | 27095 | 2005/020/23:16:52 (LM) | 14.1 |
| L1B1 | | #144 | Santarem | 228 | 92 | January 21, 2005 | 27104 | 2005/021/14:07:16 (LM) | 113.6 |
| L2-AS | | #105 | Mexico_City | 27 | 75 | January 21, 2005 | 27106 | 2005/021/17:19:00 (LM) | 142.4 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | January 22, 2005 | 27116 | 2005/022/09:45:38 (CD) | 9.1 |
| L1B1 | * | #246 | W_Barbuda_Is | 2 | 77 | January 22, 2005 | 27119 | 2005/022/14:45:08 (LM) | 105.1 |
| Cal_Diode | | #166 | Pacific_Temp | 50 | 67 | January 22, 2005 | 27122 | 2005/022/19:37:30 (CD) | 143.4 |
| L1B1 | | #248 | Porto_Jofre | 226 | 104 | January 23, 2005 | 27133 | 2005/023/13:59:01 (LM) | 81.4 |

Table 2: January 2005 Requests

| Data product req'd | Pri- ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|---------------|------|--------------|------|-------|------------------|---------|------------------------|----------------|
| L2-AS | * | #070 | Houston | 25 | 67 | January 23, 2005 | 27135 | 2005/023/17:03:54 (LM) | 40.4 |
| L2-AS | | #079 | JPL | 41 | 63 | January 23, 2005 | 27136 | 2005/023/18:41:30 (LM) | 24.7 |
| L1B1 | | #091 | London | 201 | 49 | January 24, 2005 | 27146 | 2005/024/11:05:35 (LM) | 32.8 |
| L1B1 | * | #245 | E_Barbuda_Is | 233 | 77 | January 24, 2005 | 27148 | 2005/024/14:32:47 (LM) | 114.5 |
| L2-AS | | #179 | USDA_MD | 16 | 59 | January 24, 2005 | 27149 | 2005/024/16:05:33 (LM) | 131.2 |
| Cal_Diode | | #109 | MOBY_Buoy | 64 | 74 | January 24, 2005 | 27152 | 2005/024/21:06:27 (CD) | 18.1 |
| L2-AS | | #012 | TWP_Manus | 96 | 92 | January 25, 2005 | 27154 | 2005/025/00:31:30 (LM) | 81.6 |
| L1B1 | | #251 | Okavango | 176 | 106 | January 25, 2005 | 27159 | 2005/025/08:50:25 (LM) | 150.8 |
| Cal_Diode | | #002 | Algeria_3 | 192 | 66 | January 25, 2005 | 27160 | 2005/025/10:14:53 (CD) | 43.7 |
| L1B1 | | #247 | Eridu | 167 | 66 | January 26, 2005 | 27173 | 2005/026/07:41:08 (LM) | 8.8 |
| L2-AS | * | #040 | Chesapeake | 14 | 61 | January 26, 2005 | 27178 | 2005/026/15:53:54 (LM) | 20.9 |
| L1B1 | | #250 | Sudd | 174 | 84 | January 27, 2005 | 27188 | 2005/027/08:30:34 (LM) | 69.8 |
| L2-AS | | #013 | TWP_Nauru | 85 | 91 | January 27, 2005 | 27197 | 2005/027/23:23:00 (LM) | 154.2 |
| L1B1 | | #249 | RessacaBrzl | 229 | 93 | January 28, 2005 | 27206 | 2005/028/14:13:31 (LM) | 34.8 |
| L1B1 | | #205 | Plymouth | 204 | 50 | January 29, 2005 | 27219 | 2005/029/11:24:22 (LM) | 44.0 |
| L1B1 | * | #246 | W_Barbuda_Is | 3 | 76 | January 29, 2005 | 27221 | 2005/029/14:51:16 (LM) | 55.1 |
| Cal_Diode | | #204 | Egypt_1 | 179 | 69 | January 30, 2005 | 27232 | 2005/030/08:55:30 (CD) | 35.6 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | January 30, 2005 | 27233 | 2005/030/10:33:19 (CD) | 48.7 |
| L1B1 | | #248 | Porto_Jofre | 227 | 104 | January 30, 2005 | 27235 | 2005/030/14:05:05 (LM) | 77.8 |
| L2-AS | * | #070 | Houston | 26 | 67 | January 30, 2005 | 27237 | 2005/030/17:10:01 (LM) | 105.5 |

Table 2: January 2005 Requests

| Data product req'd | Priority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|----------|------|--------------|------|-------|------------------|---------|------------------------|-------------|
| L1B1 | * | #245 | E_Barbuda_Is | 1 | 76 | January 31, 2005 | 27250 | 2005/031/14:38:55 (LM) | 45.7 |

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. 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. This column tracks data sets that should be processed to L2, when this capability comes to exist.

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