

INTEROFFICE MEMORANDUM

THIS UPDATE: November 3, 2004
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **November 2004**
 FILENAME: /data/MISR_Project/LM/0411_requests.fm

This is the November 2004 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 October 18, 2004. Rows preceded 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 November.

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: November 2004 Requests

| Data product req'd | Priority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|----------|------|-------------------|------|-------|-------------------|---------|------------------------|-------------|
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | November 01, 2004 | 25930 | 2004/306/23:16:15 (LM) | 13.2 |
| L2-AS | | #105 | Mexico_City | 27 | 75 | November 02, 2004 | 25941 | 2004/307/17:18:23 (LM) | 143.2 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | November 03, 2004 | 25951 | 2004/308/09:44:60 (CD) | 8.5 |
| | * | #246 | W_Barbuda_Is | 2 | 77 | November 03, 2004 | 25954 | 2004/308/14:44:30 (LM) | 104.6 |
| Cal_Diode | | #166 | Pacific_Temp | 50 | 67 | November 03, 2004 | 25957 | 2004/308/19:36:52 (CD) | 143.7 |
| L2-AS | * | #070 | Houston | 25 | 67 | November 04, 2004 | 25970 | 2004/309/17:03:16 (LM) | 41.2 |
| L2-AS | | #079 | JPL | 41 | 63 | November 04, 2004 | 25971 | 2004/309/18:40:52 (LM) | 23.7 |
| L1B1 | | #091 | London | 201 | 49 | November 05, 2004 | 25981 | 2004/310/11:04:56 (LM) | 34.1 |
| | * | #245 | E_Barbuda_Is | 233 | 77 | November 05, 2004 | 25983 | 2004/310/14:32:08 (LM) | 115.2 |
| L2-AS | | #179 | USDA_MD | 16 | 59 | November 05, 2004 | 25984 | 2004/310/16:04:54 (LM) | 129.9 |
| Cal_Diode | | #109 | MOBY_Buoy | 64 | 74 | November 05, 2004 | 25987 | 2004/310/21:05:48 (CD) | 16.9 |
| L2-AS | | #012 | TWP_Manus | 96 | 92 | November 06, 2004 | 25989 | 2004/311/00:30:51 (LM) | 82.2 |
| Cal_Diode | | #002 | Algeria_3 | 192 | 66 | November 06, 2004 | 25995 | 2004/311/10:14:13 (CD) | 42.5 |
| L2-AS | * | #040 | Chesapeake | 14 | 61 | November 07, 2004 | 26013 | 2004/312/15:53:14 (LM) | 18.9 |
| L2-AS | | #013 | TWP_Nauru | 85 | 91 | November 08, 2004 | 26032 | 2004/313/23:22:18 (LM) | 152.2 |
| Cal_North | | --- | 68.2 °N, 159.0 °E | 197 | --- | November 09, 2004 | 26039 | 2004/314/10:28:12 (CN) | --- |
| Cal_South | | --- | 69.5 °S, 138.3 °E | 229 | --- | November 09, 2004 | 26041 | 2004/314/14:46:00 (CS) | --- |
| Cal_Dark | | --- | 23.2 °S, 91.2 °E | 12 | --- | November 09, 2004 | 26042 | 2004/314/16:37:33 (DK) | --- |
| L1B1 | | #205 | Plymouth | 204 | 50 | November 10, 2004 | 26054 | 2004/315/11:23:39 (LM) | 42.4 |

Table 2: November 2004 Requests

| Data product req'd | Priority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|----------|------|--------------|------|-------|-------------------|---------|------------------------|-------------|
| | * | #246 | W_Barbuda_Is | 3 | 76 | November 10, 2004 | 26056 | 2004/315/14:50:33 (LM) | 52.1 |
| Cal_Diode | * | #204 | Egypt_1 | 179 | 69 | November 11, 2004 | 26067 | 2004/316/08:54:47 (CD) | 38.7 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | November 11, 2004 | 26068 | 2004/316/10:32:36 (CD) | 52.1 |
| L2-AS | * | #070 | Houston | 26 | 67 | November 11, 2004 | 26072 | 2004/316/17:09:17 (LM) | 102.5 |
| | * | #245 | E_Barbuda_Is | 1 | 76 | November 12, 2004 | 26085 | 2004/317/14:38:11 (LM) | 42.0 |
| L2-AS | | #012 | TWP_Manus | 97 | 92 | November 13, 2004 | 26091 | 2004/318/00:36:54 (LM) | 82.6 |
| L1B1 | | #054 | Egypt_Desert | 177 | 73 | November 13, 2004 | 26096 | 2004/318/08:44:34 (LM) | 28.3 |
| L2-AS | * | #040 | Chesapeake | 15 | 61 | November 14, 2004 | 26115 | 2004/319/15:59:14 (LM) | 151.2 |
| L2-AS | * | #040 | Chesapeake | 13 | 61 | November 16, 2004 | 26144 | 2004/321/15:47:06 (LM) | 119.8 |
| L2-AS | | #013 | TWP_Nauru | 84 | 91 | November 17, 2004 | 26163 | 2004/322/23:16:08 (LM) | 20.0 |
| L2-AS | | #105 | Mexico_City | 27 | 75 | November 18, 2004 | 26174 | 2004/323/17:18:16 (LM) | 135.9 |
| Cal_Diode | | #089 | Libya_1 | 187 | 71 | November 19, 2004 | 26184 | 2004/324/09:44:53 (CD) | 15.6 |
| L1B1 | * | #246 | W_Barbuda_Is | 2 | 77 | November 19, 2004 | 26187 | 2004/324/14:44:23 (LM) | 112.0 |
| Cal_Diode | | #166 | Pacific_Temp | 50 | 67 | November 19, 2004 | 26190 | 2004/324/19:36:44 (CD) | 149.6 |
| L2-AS | * | #070 | Houston | 25 | 67 | November 20, 2004 | 26203 | 2004/325/17:03:08 (LM) | 47.3 |
| L2-AS | | #079 | JPL | 41 | 63 | November 20, 2004 | 26204 | 2004/325/18:40:44 (LM) | 17.9 |
| L1B1 | | #091 | London | 201 | 49 | November 21, 2004 | 26214 | 2004/326/11:04:48 (LM) | 37.9 |
| L1B1 | * | #245 | E_Barbuda_Is | 233 | 77 | November 21, 2004 | 26216 | 2004/326/14:32:00 (LM) | 122.5 |
| L2-AS | | #179 | USDA_MD | 16 | 59 | November 21, 2004 | 26217 | 2004/326/16:04:46 (LM) | 124.3 |
| Cal_Diode | | #109 | MOBY_Buoy | 64 | 74 | November 21, 2004 | 26220 | 2004/326/21:00:40 (CD) | 9.8 |

Table 2: November 2004 Requests

| Data product req'd | Pri- ority | LM # | Site Name | Path | Block | Date | Orbit # | GMT Start Time (Event) | Extent (km) |
|--------------------|---------------|------|--------------|------|-------|-------------------|---------|------------------------|----------------|
| L2-AS | | #012 | TWP_Manus | 96 | 92 | November 22, 2004 | 26222 | 2004/327/00:30:43 (LM) | 89.8 |
| Cal_Diode | | #002 | Algeria_3 | 192 | 66 | November 22, 2004 | 26228 | 2004/327/10:14:05 (CD) | 36.0 |
| L2-AS | * | #040 | Chesapeake | 14 | 61 | November 23, 2004 | 26246 | 2004/328/15:53:05 (LM) | 13.0 |
| L2-AS | | #013 | TWP_Nauru | 85 | 91 | November 24, 2004 | 26265 | 2004/329/23:22:10 (LM) | 144.4 |
| L1B1 | | #205 | Plymouth | 204 | 50 | November 26, 2004 | 26287 | 2004/331/11:23:34 (LM) | 38.0 |
| L1B1 | * | #246 | W_Barbuda_Is | 3 | 76 | November 26, 2004 | 26289 | 2004/331/14:50:28 (LM) | 46.2 |
| Cal_Diode | | #204 | Egypt_1 | 179 | 69 | November 27, 2004 | 26300 | 2004/332/08:54:44 (CD) | 43.8 |
| Cal_Diode | | #003 | Algeria_5 | 195 | 66 | November 27, 2004 | 26301 | 2004/332/10:32:33 (CD) | 56.9 |
| L2-AS | * | #070 | Houston | 26 | 67 | November 27, 2004 | 26305 | 2004/332/17:09:15 (LM) | 97.7 |
| L1B1 | * | #245 | E_Barbuda_Is | 1 | 76 | November 28, 2004 | 26318 | 2004/333/14:38:10 (LM) | 38.0 |
| L2-AS | | #012 | TWP_Manus | 97 | 92 | November 29, 2004 | 26324 | 2004/334/00:36:53 (LM) | 78.6 |
| L1B1 | | #054 | Egypt_Desert | 177 | 73 | November 29, 2004 | 26329 | 2004/334/08:44:34 (LM) | 24.9 |
| L2-AS | * | #040 | Chesapeake | 15 | 61 | November 30, 2004 | 26348 | 2004/335/15:59:17 (LM) | 149.6 |

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.