

**INTEROFFICE MEMORANDUM**

THIS UPDATE: September 11, 2002  
 FROM: Barbara Gaitley  
 SUBJECT: Local Mode data acquisition requests for **September 2002**  
 FILENAME: /data/MISR\_Project/LM/0209\_requests.fm

This is the September 2002 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 August 18, 2002. 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 not a Cal\_dark sequence in September.

**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: September 2002 Requests**

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#205	Plymouth	204	50	September 02, 2002	14404	2002/245/11:26:10 (LM)	46.2
Cal_Diode		#204	Egypt_1	179	69	September 03, 2002	14417	2002/246/08:57:16 (CD)	35.0
Cal_Diode		#003	Algeria_5	195	66	September 03, 2002	14418	2002/246/10:35:05 (CD)	48.4
L2-AS	*	#070	Houston	26	67	September 03, 2002	14422	2002/246/17:11:46 (LM)	106.0
L2-AS		#012	TWP_Manus	97	92	September 05, 2002	14441	2002/248/00:39:20 (LM)	85.2
L1B1	*	TOO	46.75 °N, 11.00 °E	193	53	September 05, 2002	14447	2002/248/10:19:19 (LM)	18.3
L1B1	*	TOO	46.75 °N, 12.00 °E	191	53	September 07, 2002	14476	2002/250/10:07:11 (LM)	140.3
L2-AS	*	#040	Chesapeake	13	61	September 08, 2002	14494	2002/251/15:49:43 (LM)	112.3
L2-AS		#013	TWP_Nauru	84	91	September 09, 2002	14513	2002/252/23:18:49 (LM)	12.0
Cal_Diode		#089	Libya_1	187	71	September 11, 2002	14534	2002/254/09:47:38 (CD)	5.4
L1B1		TOO	Hintereisfer	194	053	September 12, 2002	14549	2002/255/10:25:30 (LM)	120.1
L2-AS	*	#070	Houston	25	67	September 12, 2002	14553	2002/255/17:05:55 (LM)	36.9
L2-AS	*	#079	JPL	41	63	September 12, 2002	14554	2002/255/18:43:32 (LM)	28.2
L1B1		#091	London	201	49	September 13, 2002	14564	2002/256/11:07:36 (LM)	27.8
L1A		#140	Salar	233	107	September 13, 2002	14566	2002/256/14:45:13 (LM)	4.4
L2-AS		#012	TWP_Manus	96	92	September 14, 2002	14572	2002/257/00:33:33 (LM)	78.0
L1B1		TOO	Hintereisfer	192	53	September 14, 2002	14578	002/257/10:13:26 (LM)	114.7

**Table 2: September 2002 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 cancelled	192	66	September 14, 2002	14578	2002/257/10:16:55 (CD)	48.5
L1B1		TOO	Svartisen	199	36	September 15, 2002	14593	2002/258/10:50:49 (LM)	29.6
L1B1		#077	CLARE_Psture	231	99	September 15, 2002	14595	2002/258/14:30:16 (LM)	6.2
L2-AS	*	#040	Chesapeake	14	61	September 15, 2002	14596	2002/258/15:55:57 (LM)	25.3
L1B1		TOO	Ostrobothnia	190	040	September 16, 2002	14607	2002/259/09:56:35 (LM)	44.8
L2-AS		#013	TWP_Nauru	85	91	September 16, 2002	14615	2002/259/23:25:03 (LM)	158.5
L1B1		TOO	Finland_S	188	42	September 18, 2002	14636	2002/261/09:44:50 (LM)	40.7
L1B1		#205	Plymouth	204	50	September 18, 2002	14637	2002/261/11:26:24 (LM)	48.6
Cal_Diode		#204	Egypt_1	179	69	September 19, 2002	14650	2002/262/08:57:32 (CD)	30.6
L1B1		TOO	Lapland	195	34	September 19, 2002	14651	2002/262/10:25:06 (LM)	169.5
Cal_Diode		#003	Algeria_5 cancelled	195	66	September 19, 2002	14651	2002/262/10:35:21 (CD)	43.9
L2-AS	*	#070	Houston	26	67	September 19, 2002	14655	2002/262/17:12:02 (LM)	110.8
L1B1		#217	Kainuu	186	39	September 20, 2002	14665	2002/263/09:31:31 (LM)	41.3
L2-AS		#012	TWP_Manus	97	92	September 21, 2002	14674	2002/264/00:39:38 (LM)	90.7
L1B1		#213	Hintereisfer	193	53	September 21, 2002	14680	2002/264/10:19:24 (LM)	3.1
L1B1	*	#015	Athens	184	60	September 22, 2002	14694	2002/265/09:26:07 (LM)	177.4
L1B1		#077	CLARE_Psture	232	99	September 22, 2002	14697	2002/265/14:36:16 (LM)	157.6
L1B1		#215	Ostrobothnia	191	40	September 23, 2002	14709	2002/266/10:02:25 (LM)	54.7

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#015	Athens	182	60	September 24, 2002	14723	2002/267/09:13:59 (LM)	89.6
L1B1		#214	Svartisen	198	37	September 24, 2002	14724	2002/267/10:44:43 (LM)	65.4
L1B1		#077	CLARE_Psture	230	99	September 24, 2002	14726	2002/267/14:24:01 (LM)	173.8
L2-AS	*	#040	Chesapeake	13	61	September 24, 2002	14727	2002/267/15:49:45 (LM)	110.5
L1B1		#216	Finland_S	189	42	September 25, 2002	14738	2002/268/09:50:39 (LM)	55.6
L2-AS		#013	TWP_Nauru	84	91	September 25, 2002	14746	2002/268/23:18:45 (LM)	10.8
L1B1		#217	Kainuu	187	39	September 27, 2002	14767	2002/270/09:37:19 (LM)	48.8
Cal_Diode		#089	Libya_1 cancelled	187	71	September 27, 2002	14767	2002/270/09:47:27 (CD)	6.6
L1B1		#213	Hintereisfer	194	53	September 28, 2002	14782	2002/271/10:25:16 (LM)	115.3
L2-AS	*	#070	Houston	25	67	September 28, 2002	14786	2002/271/17:05:38 (LM)	38.1
L2-AS	*	#079	JPL	41	63	September 28, 2002	14787	2002/271/18:43:14 (LM)	26.8
L1B1		#091	London	201	49	September 29, 2002	14797	2002/272/11:07:15 (LM)	29.2
L1A		#140	Salar	233	107	September 29, 2002	14799	2002/272/14:44:51 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	September 30, 2002	14805	2002/273/00:33:09 (LM)	79.5
L1B1		#213	Hintereisfer	192	53	September 30, 2002	14811	2002/273/10:13:08 (LM)	120.5
Cal_Diode		#002	Algeria_3 cancelled	192	66	September 30, 2002	14811	2002/273/10:16:29 (CD)	45.6

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.

The shaded rows show 4 cal\_diode sequences that were cancelled as a courtesy to outside researchers who happened to want Local Mode data on the same orbit. The 4 TOOs that have site names rather than latitude/longitude coordinates were scheduled before the master data base was updated and these sites were given actual ID numbers. As with all TOOs, they were scheduled by a fixed time, not by location.