

INTEROFFICE MEMORANDUM

THIS UPDATE: January 21, 2003
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **December 2002**
 FILENAME: /data/MISR_Project/LM/0212_requests.fm

This is the December 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 November 25, 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 a Cal_dark sequence in December.

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: December 2002 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	December 01,2002	15718	2002/335/17:05:50 (LM)	35.6
L2-AS		#079	JPL	41	63	December 01, 2002	15719	2002/335/18:43:26 (LM)	29.3
L1B1		#091	London	201	49	December 02, 2002	15729	2002/336/11:07:31 (LM)	28.3
L1A		#140	Salar	233	107	December 02, 2002	15731	2002/336/14:45:07 (LM)	4.4
L2-AS	*	#012	TWP_Manus	96	92	December 03, 2002	15737	2002/337/00:33:27 (LM)	76.4
Cal_Diode		#002	Algeria_3	192	66	December 03, 2002	15743	2002/337/10:16:49 (CD)	49.2
L2-AS	*	#040	Chesapeake	14	61	December 04, 2002	15761	2002/338/15:55:51 (LM)	25.9
L1B1		#013	TWP_Nauru	85	91	December 05, 2002	15780	2002/339/23:24:57 (LM)	160.1
L1B1		#205	Plymouth	204	50	December 07, 2002	15802	2002/341/11:26:18 (LM)	50.1
Cal_Diode		#204	Egypt_1	179	69	December 08, 2002	15815	2002/342/08:57:27 (CD)	29.8
Cal_Diode		#003	Algeria_5	195	66	December 08, 2002	15816	2002/342/10:30:15 (CD)	42.9
L2-AS	*	#070	Houston	26	67	December 08, 2002	15820	2002/342/17:11:57 (LM)	111.4
L2-AS		#012	TWP_Manus	97	92	December 10, 2002	15839	2002/344/00:39:34 (LM)	92.1
Cal_North		---	75.2 °N, 128.0 °E	209	---	December 10, 2002	15846	2002/344/11:46:41 (CN)	---
Cal_South		---	62.2 °S, 112.2 °E	8	---	December 10, 2002	15848	2002/344/16:04:39 (CS)	---
Cal_Dark		---	29.8 °S, 74.2 °E	24	---	December 10, 2002	15849	2002/344/17:54:18 (DK)	---
L2-AS	*	#040	Chesapeake	13	61	December 13, 2002	15892	2002/347/15:49:45 (LM)	109.9

Table 2: December 2002 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS		#013	TWP_Nauru	84	91	December 14, 2002	15911	2002/348/23:18:47 (LM)	9.3
Cal_Diode		#089	Libya_1	187	71	December 16, 2002	15932	2002/350/09:47:31 (CD)	4.9
L2-AS	*	#070	Houston	25	67	December 17, 2002	15951	2002/351/17:05:45 (LM)	37.6
L2-AS		#079	JPL	41	63	December 17, 2002	15952	2002/351/18:43:21 (LM)	27.3
L1B1		#091	London	201	49	December 18, 2002	15962	2002/352/11:07:24 (LM)	29.5
L1A		#140	Salar	233	107	December 18, 2002	15964	2002/352/14:45:00 (LM)	3.1
L2-AS		#012	TWP_Manus	96	92	December 19, 2002	15970	2002/353/00:33:19 (LM)	80.1
Cal_Diode		#002	Algeria_3	192	66	December 19, 2002	15976	2002/353/10:16:40 (CD)	45.8
L2-AS	*	#040	Chesapeake	14	61	December 20, 2002	15994	2002/354/15:55:39 (LM)	21.8
L2-AS		#013	TWP_Nauru	85	91	December 21, 2002	16013	2002/355/23:24:42 (LM)	153.3
L1B1		#205	Plymouth	204	50	December 23, 2002	16035	2002/357/11:26:01 (LM)	43.2
Cal_Diode		#204	Egypt_1	179	69	December 24, 2002	16048	2002/358/08:57:07 (CD)	37.6
Cal_Diode		#003	Algeria_5	195	66	December 24, 2002	16049	2002/358/10:34:56 (CD)	51.0
L2-AS	*	#070	Houston	26	67	December 24, 2002	16053	2002/358/17:11:37 (LM)	103.2
L2-AS		#012	TWP_Manus	97	92	December 26, 2002	16072	2002/360/00:39:10 (LM)	81.7
L2-AS	*	#040	Chesapeake	13	61	December 29, 2002	16125	2002/363/15:49:15 (LM)	120.9
L2-AS		#013	TWP_Nauru	84	91	December 30, 2002	16144	2002/364/23:18:14 (LM)	24.6

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.