

INTEROFFICE MEMORANDUM

THIS UPDATE: November 28, 2001
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **December 2001**
 FILENAME: /data/MISR_Project/LM/0112_requests.fm

This is the December 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 November 12, 2001. 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_diodes
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 2001 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#040	Chesapeake	14	61	December 01, 2001	10402	2001/335/15:58:25 (LM)	27.8
L1B1		#205	Plymouth	204	50	December 04, 2001	10443	2001/338/11:28:40 (LM)	50.8
Cal_Diode		#204	Egypt_1	179	69	December 05, 2001	10456	2001/339/08:59:44 (CD)	32.8
Cal_Diode		#003	Algeria_5	195	66	December 05, 2001	10457	2001/339/10:37:32 (CD)	45.4
L2-AS		#012	TWP_Manus	97	92	December 07, 2001	10480	2001/341/00:41:42 (LM)	82.0
L2-AS	*	#040	Chesapeake	13	61	December 10, 2001	10533	2001/344/15:51:32 (LM)	118.2
L2-AS		#013	TWP_Nauru	84	91	December 11, 2001	10552	2001/345/23:20:26 (LM)	29.1
Cal_Diode		#089	Libya_1	187	71	December 13, 2001	10573	2001/347/09:49:07 (CD)	20.0
Cal_North		---	71.49 °N, 109.9 °E	226	---	December 14, 2001	10590	2001/348/13:33:56 (CN)	---
Cal_South		---	63.27 °S, 111.44 °E	9	---	December 14, 2001	10591	2001/348/16:13:01 (CS)	---
Cal_Dark		---	27.38 °S, 72.00 °E	25	---	December 14, 2001	10592	2001/348/18:02:33 (DK)	---
L2-AS	*	#079	JPL	41	63	December 14, 2001	10593	2001/348/18:45:04 (LM)	19.2
L1B1		#091	London	201	49	December 15, 2001	10603	2001/349/11:09:10 (LM)	32.2
L1A		#140	Salar	233	107	December 15, 2001	10605	2001/349/14:46:46 (LM)	13.6
L2-AS		#012	TWP_Manus	96	92	December 16, 2001	10611	2001/350/00:35:07 (LM)	91.5
Cal_Diode		#002	Algeria_3	192	66	December 16, 2001	10617	2001/350/10:18:30 (CD)	41.2

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Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L2-AS	*	#040	Chesapeake	14	61	December 17, 2001	10635	2001/351/15:57:35 (LM)	21.2
L1B1		#205	Plymouth	204	50	December 20, 2001	10676	2001/354/11:28:07 (LM)	50.6
Cal_Diode		#204	Egypt_1	179	69	December 21, 2001	10689	2001/355/08:59:16 (CD)	30.8
Cal_Diode		#003	Algeria_5	195	66	December 21, 2001	10690	2001/355/10:37:05 (CD)	43.4
L2-AS		#012	TWP_Manus	97	92	December 23, 2001	10713	2001/357/00:41:25 (LM)	88.8
L2-AS	*	#040	Chesapeake	13	61	December 26, 2001	10766	2001/360/15:51:40 (LM)	103.9
L2-AS		#013	TWP_Nauru	84	91	December 27, 2001	10785	2001/361/23:20:43 (LM)	6.2
Cal_Diode		#089	Libya_1	187	71	December 29, 2001	10806	2001/363/09:49:28 (CD)	4.9
L2-AS	*	#096	JPL	41	63	December 30, 2001	10826	2001/364/18:46:00 (LM)	26.0
L1B1		#091	London	201	49	December 31, 2001	10836	2001/365/11:10:00 (LM)	27.0
L1A		#140	Salar	233	107	December 31, 2001	10838	2001/365/14:48:00 (LM)	8.0

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.