

INTEROFFICE MEMORANDUM

THIS UPDATE: July 26, 2002
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **August 2002**
 FILENAME: /data/MISR_Project/LM/0208_requests.fm

This is the August 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 July 22, 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 August.

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: August 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	August 01, 2002	13938	2002/213/11:26:30 (LM)	47.7
L1B1	*	#028	BOREAS_NSA	35	45	August 01, 2002	13942	2002/213/18:00:13 (LM)	173.5
Cal_Diode		#204	Egypt_1	179	69	August 02, 2002	13951	2002/214/08:57:37 (CD0	31.8
Cal_Diode		#003	Algeria_5	195	66	August 02, 2002	13952	2002/214/10:35:26 (LM)	45.1
L2-AS	*	#070	Houston	26	67	August 02, 2002	13956	2002/214/17:12:08 (LM)	108.9
L1B1	*	#028	BOREAS_NSA	33	46	August 03, 2002	13971	2002/215/17:48:12 (LM)	34.8
L2-AS		#012	TWP_Manus	97	92	August 04, 2002	13975	2002/216/00:39:43 (LM)	88.8
L1B1		#081	Krasnoyarsk	145	44	August 04, 2002	13978	2002/216/05:19:43 (LM)	120.1
L1B1	*	#145	Saturna	47	52	August 05, 2002	14001	2002/217/19:16:49 (LM)	4.4
L2-AS	*	#040	Chesapeake	13	61	August 07, 2002	14028	2002/219/15:49:53 (LM)	112.9
L2-AS		#013	TWP_Nauru	84	91	August 08 2002	14047	2002/220/23:18:54 (LM)	13.9
Cal_Diode		#089	Libya_1	187	71	August 10, 2002	14068	2002/222/09:47:38 (CD)	9.3
L1B1	*	#028	BOREAS_NSA	34	45	August 10, 2002	14073	2002/222/17:54:03 (LM)	69.0
L2-AS	*	#070	Houston	25	67	August 11, 2002	14087	2002/223/17:05:52 (LM)	40.7
L2-AS	*	#079	JPL	41	63	August 11, 2002	14088	2002/223/18:43:28 (LM)	24.6
L1B1		#091	London	201	49	August 12, 2002	14098	2002/224/11:07:31 (LM)	30.7
L1A		#140	Salar	233	107	August 12, 2002	14100	2002/224/14:45:07 (LM)	3.8

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L1B1	*	#028	BOREAS_NSA	32	46	August 12, 2002	14102	2002/224/17:42:01 (LM)	142.2
L1B1	*	#145	Saturna	48	52	August 12, 2002	14103	2002/224/19:22:42 (LM)	116.4
L2-AS		#012	TWP_Manus	96	92	August 13, 2002	14106	2002/225/00:33:26 (LM)	83.9
L1B1		#081	Krasnoyarsk	144	44	August 13, 2002	14109	2002/225/05:13:32 (LM)	17.0
Cal_Diode		#002	Algeria_3	192	66	August 13, 2002	14112	2002/225/10:16:48 (CD)	42.5
Cal_North		---	35.75 °N, 159.2 °E	208	---	August 13, 2002	14113	2002/225/11:29:32 (CN)	---
Cal_South		---	72.5 °S, -106.0 °W	7	---	August 13, 2002	14115	2002/225/15:47:18 (CS)	---
Cal_Dark		---	25.15 °S, 74.64 °E	23	---	August 13, 2002	14116	2002/225/17:48:04 (DK)	---
L2-AS	*	#040	Chesapeake	14	61	August 14, 2002	14130	2002/226/15:55:47 (LM)	19.0
L1B1	*	#145	Saturna	46	52	August 14, 2002	14132	2002/226/19:10:35 (LM)	115.8
L2-AS		#013	TWP_Nauru	85	91	August 15, 2002	14149	2002/227/23:24:50 (LM)	149.8
L1B1		#205	Plymouth	204	50	August 17, 2002	14171	2002/229/11:26:09 (LM)	41.5
L1B1	*	#028	BOREAS_NSA	35	45	August 17, 2002	14175	2002/229/17:59:51 (LM)	170.2
Cal_Diode		#204	Egypt_1	179	69	August 18, 2002	14184	2002/230/08:57:15 (CD)	40.3
Cal_Diode		#003	Algeria_5	195	66	August 18, 2002	14185	2002/230/10:35:04 (CD)	53.4
L2-AS	*	#070	Houston	26	67	August 19, 2002	14189	2002/230/17:11:45 (LM)	100.8
L1B1	*	#028	BOREAS_NSA	33	46	August 19, 2002	14204	2002/231/17:47:49 (LM)	41.8
L2-AS		#012	TWP_Manus	97	92	August 20, 2002	14208	2002/232/00:39:19 (LM)	78.7

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#081	Krasnoyarsk	145	44	August 20, 2002	14211	2002/232/05:19:19 (LM)	115.0
L1B1	*	#145	Saturna	47	52	August 21, 2002	14234	2002/233/19:16:23 (LM)	3.1
L2-AS	*	#040	Chesapeake	13	61	August 23, 2002	14261	2002/235/15:49:33 (LM)	119.8
L2-AS		#013	TWP_Nauru	84	91	August 24, 2002	14280	2002/236/23:18:38 (LM)	20.4
Cal_Diode		#089	Libya_1	187	71	August 26, 2002	14301	2002/238/09:47:26 (CD)	109.3
L1B1	*	#028	BOREAS_NSA	34	45	August 26, 2002	14306	2002/238/17:53:52 (LM)	66.5
L2-AS	*	#070	Houston	25	67	August 27, 2002	14320	2002/239/17:05:44 (LM)	43.2
L2-AS	*	#079	JPL	41	63	August 27, 2002	14321	2002/239/18:43:20 (LM)	22.4
L1B1		#091	London	201	49	August 28, 2002	14331	2002/240/11:07:25 (LM)	32.0
L1A		#140	Salar	233	107	August 28, 2002	14333	2002/240/14:45:02 (LM)	4.9
L1B1	*	#028	BOREAS_NSA	32	46	August 28, 2002	14335	2002/240/17:41:55 (LM)	140.7
L1B1	*	#145	Saturna	48	52	August 28, 2002	14336	2002/240/19:22:36 (LM)	117.4
L2-AS		#012	TWP_Manus	96	92	August 29, 2002	14339	2002/241/00:33:22 (LM)	85.0
L1B1	*	#081	Krasnoyarsk	144	44	August 29, 2002	14342	2002/241/05:13:28 (LM)	17.3
Cal_Diode		#002	Algeria_3	192	66	August 29, 2002	14345	2002/241/10:16:45 (CD)	42.1
L2-AS	*	#040	Chesapeake	14	61	August 30, 2002	14363	2002/242/15:55:47 (LM)	20.3
L1B1	*	#145	Saturna	46	52	August 30, 2002	14365	2002/242/19:10:35 (LM)	113.1
L2-AS		#013	TWP_Nauru	85	91	August 31, 2002	14382	2002/243/23:24:54 (LM)	152.9

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 August not be done for data sets acquired prior to May 1, 2002. 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.