Jet Propulsion Laboratory
California Institute of Technology

Multi-angle Imaging Spectro-Radiometer

INTEROFFICE MEMORANDUM

THIS UPDATE: July 19, 2002
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **July 2002**
FILENAME: /data/MISR_Project/LM/0207_requests.fm

This is the July 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 June 17, 2002. Rows proceeded 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 July.

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: July 2002 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
Cal_Diode		#204	Egypt_1	179	69	July 01, 2002	13485	2002/182/08:57:40 (CD)	31.6
Cal_Diode		#003	Algeria_5	195	66	July 01, 2002	13486	2002/182/10:35:29 (CD)	44.9
L2-AS	*	#070	Houston	26	67	July 01, 2002	13490	2002/182/17:12:11 (LM)	109.4
L2-AS		#012	TWP_Manus	97	92	July 03, 2002	13509	2002/184/00:39:48 (LM)	90.2
L2-AS	*	#212	CRYSTAL_Wst	15	71	July 04, 2002	13533	2002/185/16:05:42 (LM)	127.0
L2-AS	*	#067	Kau_Hawaii	63	75	July 04, 2002	13536	2002/185/21:03:46 (LM)	91.9
L2-AS	*	#211	CRYSTAL_Est	13	71	July 06, 2002	13562	2002/187/15:53:21 (LM)	135.7
L2-AS		#013	TWP_Nauru	84	91	July 07, 2002	13581	2002/188/23:19:06 (LM)	9.6
Cal_Diode		#089	Libya_1	187	71	July 09, 2002	13602	2002/190/09:47:52 (CD)	4.4
L2-AS	*	#070	Houston	25	67	July 10, 2002	13621	2002/191/17:06:08 (LM)	35.5
L2-AS	*	#079	JPL	41	63	July 10, 2002	13622	2002/191/18:43:44 (LM)	29.2
L1B1		#091	London	201	49	July 11, 2002	13632	2002/192/11:07:48 (LM)	27.5
L1A		#140	Salar	233	107	July 11, 2002	13634	2002/192/14:45:24 (LM)	4.4
L2-AS	*	#212	CRYSTAL_Wst	16	71	July 11, 2002	13635	2002/192/16:11:47 (LM)	25.8
L2-AS		#012	TWP_Manus	96	92	July 12, 2002	13640	2002/193/00:33:43 (LM)	77.1
Cal_Diode		#002	Algeria_3	192	66	July 12, 2002	13646	2002/193/10:17:06 (CD)	48.5
L2-AS	*	#040	CRYSTAL_Est	14	71	July 13, 2002	13664	2002/194/15:59:25 (LM)	17.0

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L2-AS	*	#067	Kau_Hawaii	62	75	July 13, 2002	13667	2002/194/20:57:41 (LM)	66.5
L1B1		#205	Plymouth	204	50	July 16, 2002	13705	2002/197/11:26:32 (LM)	48.8
L1B1	*	#028	BOREAS_NSA	35	45	July 16, 2002	13709	2002/197/18:00:21 (LM)	175.8
Cal_Diode		#204	Egypt_1	179	69	July 17, 2002	13718	2002/198/08:57:40 (CD)	31.3
Cal_Diode		#003	Algeria_5	195	66	July 17, 2002	13719	2002/198/10:35:29 (CD)	44.6
L2-AS	*	#070	Houston	26	67	July 17, 2002	13723	2002/198/17:12:10 (LM)	110.0
L2-AS	*	TOO	18.0 °N, 86.0 °W	17	76	July 18, 2002	13737	2002/199/16:20:01 (LM)	100.8
L1B1	*	#028	BOREAS_NSA	33	46	July 18, 2002	13738	2002/199/17:48:22 (LM)	32.5
L2-AS		#012	TWP_Manus	97	92	July 19, 2002	13742	2002/200/00:39:46 (LM)	89.9
L1B1		#081	Krasnoyarsk	145	44	July 19, 2002	13745	2002/200/05:19:53 (LM)	123.9
L2-AS	*	TOO	25.5 °N, 82.0 °W	15	71	July 20, 2002	13766	2002/201/16:05:38 (LM)	127.8
L1B1	*	#145	Saturna	47	52	July 20, 2002	13768	2002/201/19:17:01 (LM)	7.6
L2-AS		#067	Kau_Hawaii	63	75	July 20, 2002	13769	2002/201/21:03:43 (LM)	90.7
L2-AS	*	TOO	25.5 °N, 79.0 °W	13	71	July 22, 2002	13795	2002/203/15:53:16 (LM)	137.3
L2-AS		#013	TWP_Nauru	84	91	July 23, 2002	13814	2002/204/23:19:00 (LM)	12.0
Cal_Diode		#089	Libya_1	187	71	July 25, 2002	13835	2002/206/09:47:44 (CD)	7.0
L2-AS	*	TOO	18.0 °N, 86.0 °W	18	76	July 25, 2002	13839	2002/206/16:26:05 (LM)	59.6
L1B1	*	#028	BOREAS_NSA	34	45	July 25, 2002	13840	2002/206/17:54:20 (LM)	72.6

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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	*	#070	Houston	25	67	July 26, 2002	13854	2002/207/17:05:58 (LM)	39.0
L2-AS	*	#079	JPL	41	63	July 26, 2002	13855	2002/207/18:43:34 (LM)	26.3
L1B1		#091	London	201	49	July 27, 2002	13865	2002/208/11:07:37 (LM)	29.3
L1A		#140	Salar	233	107	July 27, 2002	13867	2002/208/14:45:13 (LM)	3.1
L1B1	*	#028	BOREAS_NSA	32	46	July 27, 2002	13869	2002/208/17:42:20 (LM)	137.7
L1B1	*	#145	Saturna	48	52	July 27, 2002	13870	2002/208/19:23:01 (LM)	121.9
L2-AS	*	TOO	25.5 °N, 82.0 °W	16	71	July 27, 2002	13868	2002/208/16:11:48(LM)	21.8
L2-AS		#012	TWP_Manus	96	92	July 28, 2002	13873	2002/209/00:33:32 (LM)	81.7
L1B1	*	#081	Krasnoyarsk	144	44	July 28, 2002	13876	2002/209/05:13:52 (LM)	19.9
Cal_Diode		#002	Algeria_3	192	66	July 28, 2002	13879	2002/209/10:16:54 (CD)	44.4
L2-AS	*	TOO	25.5 °N, 79.0 °W	14	71	July 29, 2002	13897	2002/210/15:59:18 (LM)	11.8
L1B1	*	#145	Saturna	46	52	July 29, 2002	13899	2002/210/19:10:56 (LM)	108.9
L2-AS	*	#067	Kau_Hawaii	62	75	July 29, 2002	13900	2002/210/20:57:27 (LM)	71.8

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 July 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.

The July 16 update includes the two Targets-of-Opportunity and several more Local Mode acquisitions.