JPL

Jet Propulsion Laboratory
California Institute of Technology

MISR

**Multi-angle
Imaging
Spectro-
Radiometer**

INTEROFFICE MEMORANDUM

THIS UPDATE: July 28, 2003
FROM: Barbara Gaitley
SUBJECT: Local Mode data acquisition requests for **July 2003**
FILENAME: /data/MISR_Project/LM/0307_requests.fm

This is the July 2003 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 23, 2003. 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 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 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#223	Carnarvon	94	111	July 01, 2003	18795	2003/182/00:25:56 (LM)	143.8
L1B1		#013	TWP_Nauru	85	91	July 01, 2003	18809	2003/182/23:23:24 (LM)	152.7
L1B1	*	#223	Carnarvon	92	111	July 03, 2003	18824	2003/184/00:13:43 (LM)	160.3
L1B1		#205	Plymouth	204	50	July 03, 2003	18831	2003/184/11:24:43 (LM)	46.0
L1B1		#218	Lapland	51	3	July 03, 2003	18836	2003/184/19:22:54 (LM)	46.4
Cal_Diode		#204	Egypt_1	179	69	July 04, 2003	18844	2003/185/08:55:50 (CD)	36.3
Cal_Diode		#003	Algeria_5	195	66	July 04, 2003	18845	2003/185/10:33:39 (CD)	49.5
L2-AS	*	#070	Houston	26	67	July 04, 2003	18849	2003/185/17:10:20 (LM)	104.9
L1B1	*	TOO	36.8 °N, 120.3 °W	42	61	July 04, 2003	18850	2003/185/18:47:25 (LM)	87.8
L1B1		#218	Lapland	49	4	July 05, 2003	18865	2003/186/19:10:56 (LM)	128.5
L1B1		#012	TWP_Manus	97	92	July 06, 2003	18868	2003/187/00:37:54 (LM)	82.7
L1B1		#054	Egypt_Desert	177	73	July 06, 2003	18873	2003/187/08:45:34 (LM)	30.2
L1B1		#218	Lapland	193	35	July 06, 2003	18874	2003/187/10:11:27 (LM)	4.4
L2-AS	*	#040	Chesapeake	15	61	July 07, 2003	18892	2003/188/16:00:13 (LM)	153.8
L1B1		TOO	69.1 °N, 27.4 °E	47	4	July 07, 2003	18894	2003/188/18:58:40 (LM)	137.6
L1B1		#218	Lapland	191	35	July 08, 2003	18903	2003/189/09:59:28 (LM)	179.4
L2-AS	*	#040	Chesapeake	13	61	July 09, 2003	18921	2003/190/15:48:02 (LM)	116.4

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Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#112	MontereyBay	45	61	July 09, 2003	18923	2003/190/19:05:34 (LM)	170.0
L1B1	*	#223	Carnarvon	93	111	July 10, 2003	18926	2003/191/00:19:36 (LM)	11.0
L1B1		#218	Lapland	52	3	July 10, 2003	18938	2003/191/19:28:41 (LM)	134.3
L2-AS		#013	TWP_Nauru	84	91	July 10, 2003	18940	2003/191/23:17:04 (LM)	18.8
L1B1		TOO	69.1 °N, 23.4 °E	196	34	July 11, 2003	18947	2003/192/10:29:24 (LM)	131.5
Cal_Diode		#089	Libya_1	187	71	July 12, 2003	18961	2003/193/09:45:49 (CD)	110.7
L1B1		#218	Lapland	50	3	July 12, 2003	18967	2003/193/19:16:44 (LM)	40.3
Cal_Diode		#166	Pacific_Temp	50	67	July 12, 2003	18967	2003/193/19:37:40 (CD)	146.8
L1B1		#218	Lapland	194	35	July 13, 2003	18976	2003/194/10:17:16 (LM)	80.3
L2-AS	*	#070	Houston	25	67	July 13, 2003	18980	2003/194/17:04:03 (LM)	44.1
L2-AS		#079	JPL	41	63	July 13, 2003	18981	2003/194/18:41:39 (LM)	21.6
L1B1		#091	London	201	49	July 14, 2003	18991	2003/195/11:05:43 (LM)	34.4
L1A		#140	Salar	233	107	July 14, 2003	18993	2003/195/14:43:19 (LM)	7.3
L1B1		TOO	69.1 °N, 27.4 °E	48	4	July 14, 2003	18996	2003/195/19:04:29 (LM)	47.0
Cal_Diode		#109	MOBY_Buoy	64	74	July 14, 2003	18997	2003/195/21:06:35 (LM)	12.8
L2-AS		#012	TWP_Manus	96	92	July 15, 2003	18999	2003/196/00:31:38 (LM)	88.0
Cal_Diode		#002	Algeria_3	192	66	July 15, 2003	19005	2003/196/10:14:60 (CD)	39.3
L2-AS	*	#040	Chesapeake	14	61	July 16, 2003	19023	2003/197/15:53:59 (LM)	16.8

Table 2: July 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#223	Carnarvon	94	111	July 17, 2003	19028	2003/198/00:25:34 (LM)	139.2
L1B1		#013	TWP_Nauru	85	91	July 17, 2003	19042	2003/198/23:23:03 (LM)	146.6
L1B1	*	#112	MontereyBay	44	61	July 18, 2003	19054	2003/199/18:59:21 (LM)	31.9
L1B1	*	#223	Carnarvon	92	111	July 19, 2003	19057	2003/200/00:13:22 (LM)	165.1
L1B1		#205	Plymouth	204	50	July 19, 2003	19064	2003/200/11:24:23 (LM)	40.3
L1B1		#218	Lapland	51	3	July 19, 2003	19069	2003/200/19:22:34 (LM)	44.3
Cal_Diode		#204	Egypt_1	179	69	July 20, 2003	19077	2003/201/08:55:30 (CD)	42.3
Cal_Diode		#003	Algeria_5	195	66	July 20, 2003	19078	2003/201/10:28:19 (CD)	55.4
L2-AS	*	#070	Houston	26	67	July 20, 2003	19082	2003/201/17:10:00 (LM)	99.0
L1B1	*	TOO	36.8 °N, 120.3 °W	42	61	July 20, 2003	19083	2003/201/18:47:04 (LM)	93.7
L1B1		#218	Lapland	49	4	July 21, 2003	19098	2003/202/19:10:37 (LM)	130.8
L2-AS		#012	TWP_Manus	97	92	July 22, 2003	19101	2003/203/00:37:35 (LM)	76.8
L2-AS		#054	Egypt_Desert	177	73	July 22, 2003	19106	2003/203/08:45:15 (LM)	24.3
L1B1		#218	Lapland	193	35	July 22, 2003	19107	2003/203/10:11:08 (LM)	7.3
L2-AS	*	#040	Chesapeake	15	61	July 23, 2003	19125	2003/204/15:59:54 (LM)	148.7
L1B1		TOO	69.1 °N, 27.4 °E	47	4	July 23, 2003	19127	2003/204/18:58:21 (LM)	134.7
L1B1		#218	Lapland	191	35	July 24, 2003	19136	2003/205/09:58:48 (LM)	179.0
L2-AS	*	#040	Chesapeake	13	61	July 25, 2003	19154	2003/206/15:47:48 (LM)	120.3

Table 2: July 2003 Requests

Data product req'd	Pri-ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1	*	#112	MontereyBay	45	61	July 25, 2003	19156	2003/206/19:05:20 (LM)	165.5
L1B1	*	#223	Carnarvon	93	111	July 26, 2003	19159	2003/207/00:19:23 (LM)	14.6
L1B1		#218	Lapland	52	3	July 26, 2003	19171	2003/207/19:28:29 (LM)	133.3
L2-AS		#013	TWP_Nauru	84	91	July 26, 2003	19173	2003/207/23:16:53 (LM)	22.3
L1B1		TOO	69.1 °N, 23.4 °E	196	34	July 27, 2003	19180	2003/208/10:29:13 (LM)	131.7
L1B1	*	#112	MontereyBay	43	61	July 27, 2003	19185	2003/208/18:53:14 (LM)	103.3
Cal_Diode		#089	Libya_1	187	71	July 28, 2003	19194	2003/209/09:45:40 (CD)	15.1
L1B1		#218	Lapland	50	3	July 28, 2003	19200	2003/209/19:16:36 (LM)	42.8
Cal_Diode		#166	Pacific_Temp	50	67	July 28, 2003	19200	2003/209/19:37:32 (CD)	148.8
L1B1		#218	Lapland	194	35	July 29, 2003	19209	2003/210/10:17:09 (LM)	78.7
L2-AS		#079	JPL	41	63	July 29, 2003	19214	2003/210/18:41:33 (LM)	19.7
Cal North		---	33.0 °N, 171.2 °E	201	---	July 30, 2003	19224	2003/211/10:42:50 (CN)	---
L1B1		#091	London	201	49	July 30, 2003	19224	2003/211/11:05:37 (LM)	33.4
L1A		#140	Salar	233	107	July 30, 2003	19226	2003/211/14:43:14 (LM)	7.6
Cal South		---	70.9 °S, 92.5 °W	233	---	July 30, 2003	19226	2003/211/15:00:33 (CS)	---
Cal Dark		---	26.9 °N, 86.0 °E	016	---	July 30, 2003	19227	2003/211/17:02:39 (DK)	---
L1B1		TOO	69.1 °N, 27.4 °E	48	4	July 30, 2003	19229	2003/211/19:04:24 (LM)	46.0
Cal_Diode		#109	MOBY_Buoy	64	74	July 30, 2003	19230	2003/211/21:06:30 (CD)	12.8

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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		#012	TWP_Manus	96	92	July 31, 2003	19232	2003/212/00:31:33 (LM)	88.3
Cal_Diode		#002	Algeria_3	192	66	July 31, 2003	19238	2003/212/10:14:56 (CD)	39.5

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 processes 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.