

INTEROFFICE MEMORANDUM

THIS UPDATE: April 23, 2003
 FROM: Barbara Gaitley
 SUBJECT: Local Mode data acquisition requests for **April 2003**
 FILENAME: /data/MISR_Project/LM/0304_requests.fm

This is the April 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 March 24, 2003. 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 April.

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: April 2003 Requests

Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1B1		#012	TWP_Manus	97	92	April 01, 2003	17470	2003/091/00:38:55 (LM)	85.7
L2-AS	*	TOO	13.7 °N, 100.7 °E	129	80	April 01, 2003	17472	2003/091/03:52:22 (LM)	15.9
L1B1		#054	Egypt_Desert	177	73	April 01, 2003	17475	2003/091/08:46:35 (LM)	33.1
Cal_North		---	46.5 °N, 179.2 °E	193	---	April 01, 2003	17476	2003/091/09:58:59 (CN)	---
Cal_South		---	81.1 °S, 122.6 °W	225	---	April 01, 2003	17478	2003/091/14:16:59 (CS)	---
Cal_Dark		---	23.6 °S, 72.7 °E	024	---	April 01, 2003	17480	2003/091/17:53:45 (DK)	---
Cal_Diode		#014	Ascension_Is	200	97	April 02, 2003	17491	2003/092/11:16:17 (LM)	67.3
L2-AS	*	#179	USDA_MD	15	59	April 02, 2003	17494	2003/092/16:00:49 (LM)	3.1
Cal_Diode		#171	Pacific_Trop	47	87	April 02, 2003	17496	2003/092/19:27:06 (CD)	41.9
Cal_Diode		#102	Mauna_Loa	63	75	April 02, 2003	17497	2003/092/21:01:56 (CD)	55.2
L2-AS		#040	Chesapeake	13	61	April 04, 2003	17523	2003/094/15:49:08 (LM)	112.5
L2-AS		#013	TWP_Nauru	84	91	April 05, 2003	17542	2003/095/23:18:10 (LM)	14.3
Cal_Diode		#089	Libya_1	187	71	April 07, 2003	17563	2003/097/09:46:55 (CD)	8.2
Cal_Diode		#166	Pacific_Temp	50	67	April 07, 2003	17569	2003/097/19:38:47 (CD)	142.1
L2-AS	*	#070	Houston	25	67	April 08, 2003	17582	2003/098/17:05:10 (LM)	39.2
L2-AS		#079	JPL	41	63	April 08, 2003	17583	2003/098/18:42:46 (LM)	25.7
L1B1		#091	London	201	49	April 09, 2003	17593	2003/099/11:06:50 (LM)	29.7

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Data product req'd	Priority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A		#140	Salar	233	107	April 09, 2003	17595	2003/099/14:44:26 (LM)	3.1
Cal_Diode		#109	MOBY_Buoy	64	74	April 09, 2003	17599	2003/099/21:07:42 (CD)	18.5
L2-AS		#012	TWP_Manus	96	92	April 10, 2003	17601	2003/100/00:32:45 (LM)	82.7
Cal_Diode		#002	Algeria_3	192	66	April 10, 2003	17607	2003/100/10:16:07 (CD)	44.8
Cal_Diode		#157	Pacific_S	39	127	April 10, 2003	17612	2003/100/18:51:27 (CD)	26.2
L2-AS	*	#040	Chesapeake	14	61	April 11, 2003	17625	2003/101/15:55:07 (LM)	21.6
L2-AS	*	TOO	36.8 °N, 125.0 °W	46	61	April 11, 2003	17627	2003/101/19:12:53 (LM)	37.5
L1B1		#013	TWP_Nauru	85	91	April 12, 2003	17644	2003/102/23:24:11 (LM)	152.6
L2-AS	*	#009	SGP_Lamont	28	61	April 13, 2003	17655	2003/103/17:21:40 (LM)	17.0
L2-AS		#112	MontereyBay	44	61	April 13, 2003	17656	2003/103/19:00:30 (LM)	38.0
L1B1		#205	Plymouth	204	50	April 14, 2003	17666	2003/104/11:25:31 (LM)	46.9
Cal_Diode		#204	Egypt_1	179	69	April 15, 2003	17679	2003/105/08:56:38 (CD)	36.3
Cal_Diode		#003	Algeria_5	195	66	April 15, 2003	17680	2003/105/10:34:27 (CD)	49.0
L2-AS	*	#070	Houston	26	67	April 15, 2003	17684	2003/105/17:11:08 (LM)	105.0
L1B1		TOO	36.3 °N, 43.0 °E	170	61	April 16, 2003	17693	2003/106/07:59:15 (LM)	12.4
Cal_Diode		#095	Makapuu_Pt	65	73	April 16, 2003	17701	2003/106/21:13:34 (CD)	110.8
L2-AS		#012	TWP_Manus	97	92	April 17, 2003	17703	2003/107/00:38:43 (LM)	83.3
Cal_Diode		#221	Rottnest_Is	113	116	April 17, 2003	17704	2003/107/02:24:58 (CD)	25.3

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L2-AS	*	TOO	13.7 °N, 100.7 °E	129	80	April 17, 2003	17705	2003/107/03:52:07(LM)	12.4
L2-AS		#054	Egypt_Desert	177	73	April 17, 2003	17708	2003/107/08:46:23 (LM)	30.8
L2-AS	*	TOO	34.2 °N, 116.9 °W	40	63	April 17, 2003	17714	2003/107/18:36:26 (LM)	0.0
Cal_Diode		#219	Amsterdam_Is	136	121	April 18, 2003	17720	2003/108/04:48:45 (CD)	23.9
L1B1		TOO	34.4 °N, 44.0 °E	168	63	April 18, 2003	17722	2003/108/07:47:29 (LM)	125.0
Cal_Diode		#014	Ascension_Is	200	97	April 18, 2003	17724	2003/108/11:16:04 (CD)	70.5
L2-AS	*	#179	USDA_MD	15	59	April 18, 2003	17727	2003/108/16:00:35 (LM)	3.1
Cal_Diode		#171	Pacific_Trop	47	87	April 18, 2003	17729	2003/108/19:26:53 (CD)	45.1
Cal_Diode		#102	Mauna_Loa	63	75	April 18, 2003	17730	2003/108/21:01:42 (CD)	52.0
Cal_Diode		#220	Tahiti	54	104	April 19, 2003	17744	2003/109/20:16:15 (CD)	68.8
L2-AS		#040	Chesapeake	13	61	April 20, 2003	17756	2003/110/15:48:52 (LM)	115.7
L1B1	*	TOO	25.5 °S, 147.5 °E	93	111	April 21, 2003	17761	2003/111/00:20:23 (LM)	11.6
L2-AS		#013	TWP_Nauru	84	91	April 21, 2003	17775	2003/111/23:17:54 (LM)	19.3
Cal_Diode		#089	Libya_1	187	71	April 23, 2003	17796	2003/113/09:46:37 (CD)	12.6
Cal_Diode		#166	Pacific_Temp	50	67	April 23, 2003	17802	2003/113/19:38:28 (CD)	146.9
L2-AS	*	#070	Houston	25	67	April 24, 2003	17815	2003/114/17:04:51 (LM)	44.6
L2-AS		#079	JPL	41	63	April 24, 2003	17816	2003/114/18:42:27 (LM)	20.9
L1B1		#091	London	201	49	April 25, 2003	17826	2003/115/11:06:30 (LM)	34.7

Table 2: April 2003 Requests

Data product req'd	Pri- ority	LM #	Site Name	Path	Block	Date	Orbit #	GMT Start Time (Event)	Extent (km)
L1A		#140	Salar	233	107	April 25, 2003	17828	2003/115/14:44:06 (LM)	8.5
Cal_Diode		#109	MOBY_Buoy	64	74	April 25, 2003	17832	2003/115/21:07:22 (CD)	12.4
L2-AS		#012	TWP_Manus	96	92	April 26 2003	17834	2003/116/00:32:24 (LM)	89.1
Cal_Diode		#002	Algeria_3	192	66	April 26, 2003	17840	2003/116/10:15:46 (CD)	38.9
Cal_Diode		#157	Pacific_S	39	127	April 26, 2003	17845	2003/116/18:51:06 (CD)	32.0
L2-AS		#040	Chesapeake	14	61	April 27, 2003	17858	2003/117/15:54:45 (LM)	16.2
L2-AS	*	TOO	36.8 °N, 125.0 °W	46	61	April 27, 2003	17860	2003/117/19:12:29 (LM)	31.9
L1B1	*	TOO	25.5 °S, 147.5 °E	94	111	April 28, 2003	17863	2003/118/00:26:16 (LM)	136.6
L2-AS		#013	TWP_Nauru	85	91	April 28, 2003	17877	2003/118/23:23:47 (LM)	144.8
L2-AS	*	#009	SGP_Lamont	28	61	April 29, 2003	17888	2003/119/17:21:15 (LM)	9.8
L2-AS	*	#112	MontereyBay	44	61	April 29, 2003	17889	2003/119/19:00:06 (LM)	32.0
L1B1	*	TOO	25.5 °S, 147.5 °E	92	111	April 30, 2003	17892	2003/120/00:14:02 (LM)	168.0
L1B1		#205	Plymouth	204	50	April 30, 2003	17899	2003/120/11:25:06 (LM)	41.0

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. 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 month has many more Cal_Diode events than is usual. They are being taken over dark water and/or islands, to support MISR radiometric calibration over low light scenes. This memorandum is also used as a history, documenting Local Mode and calibration data sets for future reference.