

ROCK CLOSE APPROACHES with OD 050720

The 30 closest Rock Flybys in the PM Tour

TARGET	DATE	RANGE	LAT	LON	PHASE	USEFUL	IN SEQUENCES	DMAX
		km	at closest approach					mrاد
PALLENE	2005-159T09:58:23.0	64877	30.5	137.9	56.3	GOOD	TBD	0.3
METHONE	2005-195T20:47:30.0	36700	30.8	197.8	109.7	PHI < 90 ~1 hr before C/A	TBD	0.5
PANDORA	2005-248T11:28:03.0	51301	18.3	256.4	56.7	GOOD	YES	2.1
METHONE	2005-248T13:54:35.0	63303	57	121.9	90.4	PHI < 70 ~1 hr before C/A	TBD	0.3
TELESTO	2005-284T20:25:52.0	9521	-21.5	277.3	63.3	GOOD	YES	3.2
PALLENE	2005-284T22:47:54.0	50481	0.3	138.7	124.7	PHI < 90 ~1 hr before C/A	TBD	0.4
ATLAS	2005-285T01:54:19.0	55457	1.2	65.5	142.8	SATURN PHASE BAD	TBD	0.7
TELESTO	2005-359T00:44:30.0	19328	-3.1	241.6	70.5	GOOD	YES	1.6
POLYDEUCES	2006-142T14:53:09.0	64057	-0.5	348.5	19.3	PHI > 30 ~1 hr before C/A	TBD	0.3
TELESTO	2006-205T01:57:52.0	44817	5.5	262.7	38.8	GOOD	TBD	0.7
HELENE	2006-229T03:28:58.0	49224	60.5	52.8	122.8	SATURN PHASE BAD	YES	0.7
METHONE	2006-252T19:11:01.0	11852	23.8	252.2	70.9	GOOD	TBD	1.7
METHONE	2006-268T21:40:08.0	64872	-14.2	145.3	46.1	GOOD	TBD	0.3
EPIMETHEUS	2007-146T23:16:05.0	60155	-10.8	355.5	156.1	SATURN PHASE BAD	TBD	2.2
ATLAS	2007-163T00:16:25.0	31369	-26.6	105.3	128.4	PHI < 90 ~ 1.5 hr after C/A	TBD	1.2
PROMETHEUS	2007-163T00:20:36.0	61430	-14.7	135.2	81.8	PHI < 50 ~1 hr after C/A	TBD	2.4
METHONE	2007-163T02:40:07.0	62654	-64.8	306.4	100.6		TBD	0.3
METHONE	2007-178T22:33:07.0	12646	21.8	41.2	115	PHI < 50 ~10 min after C/A	TBD	1.6
PROMETHEUS	2007-179T01:57:17.0	42004	-6.6	287.6	153.9	PHI < 90 ~2 hr after C/A	TBD	3.6
HELENE	2007-201T15:28:48.0	27936	-3.2	355.1	57.9	PHI < 50 30 min after C/A	TBD	1.1
HELENE	2007-297T01:02:11.0	38379	34.2	337	52	PHI < 50 at C/A	TBD	0.8
EPIMETHEUS	2007-337T06:58:25.0	6430	-29.4	22.2	139.1	PHI < 70 ~1 hr after C/A	YES	20.2
METHONE	2008-015T20:37:48.0	44943	-16.4	89.9	112.8	PHI < 90 ~30 min after C/A	TBD	0.4
PANDORA	2008-051T18:31:34.0	63779	-21	182.2	150.7	SATURN PHASE BAD	TBD	1.7
PALLENE	2008-083T10:42:30.0	28715	-24.4	322.2	142	PHI < 90 ~40 min after C/A	TBD	0.7
TELESTO	2008-121T10:29:12.0	36302	17.8	307.6	47.7	GOOD	TBD	0.8
PALLENE	2008-146T21:57:11.0	19668	20.5	259.3	44.5	GOOD	TBD	1.0
ATLAS	2008-146T22:11:09.0	61833	-6.8	102.6	158.5	SATURN PHASE BAD	TBD	0.6
JANUS	2008-153T21:56:17.0	14391	5.8	332.4	147.9	PHI < 90 ~30 min after C/A	TBD	13.5
PROMETHEUS	2008-182T08:05:48.0	49726	29.2	276	111.2	SATURN PHASE BAD	TBD	3.0
JANUS	2008-182T08:46:02.0	44731	-31.8	229.6	116	PHI < 70 ~1 hr after C/A	YES	4.3

NOTE ... While these are the 30 closest Rock Flybys, the flyby geometry has not been examined to see if these will produce useful results

TBD ==>> Many of these are being captured in RETARGETABLE observations and Targeting is unknown at this time .

R_MAX	VIMS
km	USE
10	
10	
55	OK
10	
15	GOOD
10	
19	
15	
10	
15	
16	
10	
10	
65	
19	
75	OK
10	
10	
75	eh
16	
16	
65	GOOD
10	
55	
10	
15	
10	
19	
97	GOOD
75	
97	GOOD

2.6 mrad @

4.5 mrad @

CA+1hr w/ PHI = 113 deg	1.5 mrad @ CA+2hr w/ PHI = 89 deg
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CA+30m w/ PHI = 91 deg
