

Origin: <http://spider.seds.org/spider/Mars/marsopps.html>

Mars Opposition Catalog

Opposition							Closest Approach					
Date	UT	L_he1	RA	Dec	m_max	Date	UT	dist AU	Mkm	diam		
1950	Mar 23	05:37	182:44	12:13	+02:20	-1.33	1950	Mar 27	06:15	0.64971	97.20	14.41
1952	May 1	01:25	221:17	14:34	-14:17	-1.78	1952	May 8	13:31	0.55824	83.51	16.77
1954	Jun 24	17:14	273:16	18:12	-27:41	-2.49	1954	Jul 2	08:01	0.42779	64.00	21.88
1956	Sep 10	21:51	348:45	23:26	-10:07	-2.85	1956	Sep 7	04:54	0.37809	56.56	24.76
1958	Nov 16	14:26	54:19	03:25	+19:08	-2.19	1958	Nov 8	13:15	0.48770	72.96	19.19
1960	Dec 30	10:14	99:17	06:39	+26:49	-1.55	1960	Dec 25	05:46	0.60682	90.78	15.42
1963	Feb 4	11:50	135:28	09:15	+20:42	-1.25	1963	Feb 3	03:23	0.67045	100.30	13.96
1965	Mar 9	12:22	169:13	11:25	+08:08	-1.25	1965	Mar 12	01:13	0.66847	100.00	14.00
1967	Apr 15	11:24	205:16	13:35	-07:43	-1.56	1967	Apr 21	17:39	0.60120	89.94	15.57
1969	May 31	15:50	250:26	16:32	-23:56	-2.19	1969	Jun 9	04:15	0.47955	71.74	19.52
1971	Aug 10	06:52	317:24	21:27	-22:15	-2.85	1971	Aug 12	02:32	0.37569	56.20	24.91
1973	Oct 25	03:28	31:56	02:00	+10:17	-2.49	1973	Oct 17	04:11	0.43604	65.23	21.47
1975	Dec 15	13:59	57:56	05:29	+26:02	-1.76	1975	Dec 9	00:09	0.56549	84.60	16.55
1978	Jan 22	00:11	121:55	08:20	+24:06	-1.33	1978	Jan 19	03:07	0.65319	97.72	14.33
1980	Feb 25	05:43	156:04	10:37	+13:27	-1.22	1980	Feb 26	06:06	0.67731	101.32	13.83
1982	Mar 31	10:14	190:38	12:43	-01:21	-1.40	1982	Apr 5	06:36	0.63511	95.01	14.75
1984	May 11	08:52	231:04	15:13	+18:05	-1.92	1984	May 19	10:44	0.53146	79.51	17.63
1986	Jul 10	05:27	287:52	19:20	-27:44	-2.65	1986	Jul 16	10:59	0.40357	60.37	23.21
1988	Sep 28	03:32	5:23	00:27	-02:06	-2.75	1988	Sep 22	03:19	0.39315	58.81	23.83
1990	Nov 27	20:35	65:20	04:13	+22:38	-2.02	1990	Nov 20	03:50	0.51692	77.33	18.12
1993	Jan 7	22:43	107:40	07:19	+26:16	-1.46	1993	Jan 3	13:33	0.62609	93.66	14.96
1995	Feb 12	02:32	142:54	09:47	+18:10	-1.23	1995	Feb 11	14:20	0.67569	101.08	13.86
1997	Mar 17	07:55	176:46	11:54	+04:40	-1.29	1997	Mar 20	16:51	0.65938	98.64	14.20
1999	Apr 24	17:38	214:06	14:09	-11:37	-1.67	1999	May 1	17:28	0.57846	86.54	16.18
2001	Jun 13	17:59	262:46	17:28	-26:30	-2.36	2001	Jun 21	22:57	0.45017	67.34	20.79
2003	Aug 28	17:59	335:01	22:38	-15:49	-2.88	2003	Aug 27	09:52	0.37272	55.76	25.11
2005	Nov 7	07:59	45:01	02:51	+15:54	-2.33	2005	Oct 30	03:26	0.46406	69.42	20.19
2007	Dec 24	19:47	92:46	06:12	+26:46	-1.64	2007	Dec 18	23:47	0.58935	88.17	15.88
2010	Jan 29	19:37	129:39	08:54	+22:09	-1.28	2010	Jan 27	19:02	0.66398	99.33	14.10
2012	Mar 3	20:04	163:29	11:07	+10:17	-1.23	2012	Mar 5	17:01	0.67368	100.78	13.89
2014	Apr 8	20:57	198:44	13:14	-05:08	-1.48	2014	Apr 14	12:54	0.61756	92.39	15.16
2016	May 22	11:11	241:34	15:58	-21:39	-2.06	2016	May 30	21:36	0.50321	75.28	18.60
2018	Jul 27	05:07	303:53	20:33	-25:30	-2.78	2018	Jul 31	07:51	0.38496	57.59	24.31
2020	Oct 13	23:20	20:12	01:22	+05:26	-2.62	2020	Oct 6	14:19	0.41492	62.07	22.56
2022	Dec 8	05:36	75:47	04:59	+25:00	-1.87	2022	Dec 1	02:18	0.54447	81.45	17.19
2025	Jan 16	02:32	115:52	07:56	+25:07	-1.38	2025	Jan 12	13:38	0.64228	96.08	14.57
2027	Feb 19	15:45	150:23	10:18	+15:23	-1.21	2027	Feb 20	00:14	0.67792	101.42	13.81
2029	Mar 25	07:43	184:32	12:23	+01:04	-1.34	2029	Mar 29	12:56	0.64722	96.82	14.46
2031	May 4	11:57	223:25	14:46	-15:29	-1.80	2031	May 12	03:50	0.55336	82.78	16.91
2033	Jun 27	01:24	275:39	18:30	-27:50	-2.51	2033	Jul 5	11:19	0.42302	63.28	22.13
2035	Sep 15	19:33	352:19	23:43	-08:01	-2.84	2035	Sep 11	14:21	0.38041	56.91	24.61
2037	Nov 19	09:04	56:51	03:37	+20:16	-2.16	2037	Nov 11	08:00	0.49358	73.84	18.96
2040	Jan 2	15:21	101:16	06:50	+26:41	-1.53	2039	Dec 28	14:47	0.61092	91.39	15.32
2042	Feb 6	11:59	137:14	09:25	+19:50	-1.24	2042	Feb 5	07:57	0.67174	100.49	13.93

2044	Mar	11	12:44	170:59	11:33	+06:56	-1.26	2044	Mar	14	06:07	0.66708	99.79	14.03
2046	Apr	17	18:01	207:15	13:44	-09:00	-1.58	2046	Apr	24	04:33	0.59704	89.32	15.68
2048	Jun	3	14:45	253:01	16:45	-24:45	-2.22	2048	Jun	12	01:41	0.47366	70.86	19.76
2050	Aug	14	07:46	321:02	21:43	-20:44	-2.87	2050	Aug	15	12:55	0.37405	55.96	25.02
2052	Oct	28	06:28	34:49	02:12	+11:58	-2.46	2052	Oct	20	05:12	0.44091	65.96	21.23
2054	Dec	17	22:09	85:25	05:40	+26:20	-1.73	2054	Dec	11	11:44	0.57015	85.29	16.42
2057	Jan	24	01:26	123:44	08:28	+23:27	-1.32	2057	Jan	21	09:03	0.65552	98.06	14.28
2059	Feb	27	05:25	157:48	10:44	+12:20	-1.22	2059	Feb	28	10:32	0.67681	101.25	13.83
2061	Apr	2	12:47	192:27	12:50	-02:38	-1.41	2061	Apr	7	13:54	0.63199	94.54	14.81