



Locazione:

Periodo:

Geocentrica

90 giorni

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DATA 0h TDT	Apparente		Lng. Ecl.	Lat. Ecl.	Fase Angolo	r (u.a.)	Fase	Osc.	MAG.	Diam. Equat	Dist (u.a.)	SOLE		LUNA	
	AR	Dec										Elong.	Fase	Ang.	
02.08.03	22h55.9m	-13°31'	340°02'	-06°10'	22°	1.39	0.96	-25°	-2.4	00'22"	0.416	149°	0.16	163°	
03.08.03	22h55.8m	-13°35'	339°59'	-06°13'	21°	1.39	0.96	-25°	-2.4	00'22"	0.412	150°	0.25	150°	
04.08.03	22h55.6m	-13°39'	339°55'	-06°16'	20°	1.39	0.97	-25°	-2.4	00'22"	0.409	151°	0.35	135°	
05.08.03	22h55.3m	-13°43'	339°50'	-06°19'	20°	1.39	0.97	-25°	-2.4	00'23"	0.406	152°	0.47	121°	
06.08.03	22h55.0m	-13°47'	339°44'	-06°21'	19°	1.39	0.97	-25°	-2.5	00'23"	0.404	153°	0.58	107°	
07.08.03	22h54.7m	-13°52'	339°38'	-06°24'	18°	1.39	0.97	-25°	-2.5	00'23"	0.401	154°	0.69	093°	
08.08.03	22h54.3m	-13°57'	339°31'	-06°26'	18°	1.38	0.98	-25°	-2.5	00'23"	0.398	155°	0.79	078°	
09.08.03	22h53.9m	-14°02'	339°23'	-06°28'	17°	1.38	0.98	-25°	-2.5	00'23"	0.396	156°	0.88	064°	
10.08.03	22h53.4m	-14°07'	339°15'	-06°30'	16°	1.38	0.98	-25°	-2.6	00'23"	0.393	157°	0.94	050°	
11.08.03	22h52.9m	-14°12'	339°06'	-06°32'	15°	1.38	0.98	-25°	-2.6	00'23"	0.391	158°	0.98	036°	
12.08.03	22h52.3m	-14°17'	338°56'	-06°34'	15°	1.38	0.98	-25°	-2.6	00'24"	0.389	159°	1.00	022°	
13.08.03	22h51.7m	-14°23'	338°45'	-06°35'	14°	1.38	0.98	-25°	-2.6	00'24"	0.387	160°	0.99	009°	
14.08.03	22h51.0m	-14°28'	338°34'	-06°37'	13°	1.38	0.99	-25°	-2.7	00'24"	0.385	161°	0.96	004°	
15.08.03	22h50.3m	-14°34'	338°23'	-06°38'	12°	1.38	0.99	-25°	-2.7	00'24"	0.383	162°	0.91	017°	
16.08.03	22h49.6m	-14°40'	338°10'	-06°39'	12°	1.38	0.99	-25°	-2.7	00'24"	0.382	163°	0.85	030°	
17.08.03	22h48.8m	-14°45'	337°58'	-06°40'	11°	1.38	0.99	-25°	-2.7	00'24"	0.380	164°	0.77	042°	
18.08.03	22h48.0m	-14°51'	337°44'	-06°41'	10°	1.38	0.99	-25°	-2.8	00'24"	0.379	165°	0.69	054°	
19.08.03	22h47.1m	-14°57'	337°31'	-06°41'	09°	1.38	0.99	-25°	-2.8	00'24"	0.378	166°	0.60	066°	
20.08.03	22h46.2m	-15°02'	337°17'	-06°42'	09°	1.38	0.99	-25°	-2.8	00'24"	0.377	167°	0.50	079°	
21.08.03	22h45.3m	-15°08'	337°02'	-06°42'	08°	1.38	0.99	-25°	-2.8	00'24"	0.376	168°	0.41	091°	
22.08.03	22h44.4m	-15°14'	336°47'	-06°42'	07°	1.38	1.00	-25°	-2.8	00'24"	0.375	169°	0.32	103°	
23.08.03	22h43.4m	-15°19'	336°32'	-06°42'	07°	1.38	1.00	-25°	-2.8	00'25"	0.374	170°	0.23	115°	
24.08.03	22h42.4m	-15°25'	336°16'	-06°41'	06°	1.38	1.00	-25°	-2.9	00'25"	0.374	171°	0.15	128°	
25.08.03	22h41.4m	-15°30'	336°01'	-06°41'	05°	1.38	1.00	-25°	-2.9	00'25"	0.373	172°	0.09	141°	
26.08.03	22h40.4m	-15°35'	335°45'	-06°40'	05°	1.38	1.00	-25°	-2.9	00'25"	0.373	173°	0.04	154°	
27.08.03	22h39.3m	-15°40'	335°29'	-06°39'	05°	1.38	1.00	-25°	-2.9	00'25"	0.373	173°	0.01	168°	
28.08.03	22h38.3m	-15°45'	335°13'	-06°38'	04°	1.38	1.00	-25°	-2.9	00'25"	0.373	173°	0.00	176°	
29.08.03	22h37.2m	-15°50'	334°57'	-06°36'	04°	1.38	1.00	-25°	-2.9	00'25"	0.373	173°	0.02	163°	
30.08.03	22h36.1m	-15°54'	334°41'	-06°35'	04°	1.38	1.00	-25°	-2.9	00'25"	0.373	173°	0.07	148°	
31.08.03	22h35.1m	-15°59'	334°25'	-06°33'	05°	1.38	1.00	-25°	-2.9	00'25"	0.374	173°	0.14	133°	
01.09.03	22h34.0m	-16°03'	334°09'	-06°31'	05°	1.38	1.00	-24°	-2.9	00'25"	0.374	172°	0.23	119°	
02.09.03	22h33.0m	-16°06'	333°54'	-06°29'	06°	1.38	1.00	-24°	-2.9	00'24"	0.375	172°	0.33	104°	
03.09.03	22h31.9m	-16°10'	333°38'	-06°26'	06°	1.38	1.00	-24°	-2.8	00'24"	0.376	171°	0.44	090°	
04.09.03	22h30.9m	-16°13'	333°23'	-06°24'	07°	1.38	1.00	-24°	-2.8	00'24"	0.377	170°	0.56	075°	
05.09.03	22h29.9m	-16°16'	333°08'	-06°21'	07°	1.38	1.00	-24°	-2.8	00'24"	0.378	169°	0.67	061°	
06.09.03	22h28.9m	-16°19'	332°54'	-06°18'	08°	1.38	0.99	-24°	-2.8	00'24"	0.379	168°	0.77	047°	
07.09.03	22h27.9m	-16°21'	332°40'	-06°15'	09°	1.38	0.99	-24°	-2.8	00'24"	0.381	167°	0.85	033°	
08.09.03	22h26.9m	-16°23'	332°26'	-06°12'	10°	1.38	0.99	-24°	-2.7	00'24"	0.382	166°	0.92	020°	
09.09.03	22h26.0m	-16°25'	332°13'	-06°09'	10°	1.38	0.99	-24°	-2.7	00'24"	0.384	165°	0.97	006°	
10.09.03	22h25.1m	-16°26'	332°01'	-06°06'	11°	1.38	0.99	-24°	-2.7	00'24"	0.386	164°	0.99	006°	
11.09.03	22h24.3m	-16°27'	331°49'	-06°02'	12°	1.38	0.99	-24°	-2.7	00'24"	0.388	163°	1.00	019°	
12.09.03	22h23.4m	-16°28'	331°37'	-05°58'	13°	1.38	0.99	-24°	-2.7	00'24"	0.390	162°	0.98	032°	
13.09.03	22h22.6m	-16°28'	331°26'	-05°54'	13°	1.38	0.99	-24°	-2.6	00'23"	0.392	161°	0.95	044°	
14.09.03	22h21.9m	-16°28'	331°16'	-05°51'	14°	1.38	0.98	-24°	-2.6	00'23"	0.394	160°	0.90	057°	



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	AR	Dec										Elong.	Fase	Ang.	
15.09.03	22h21.1m	-16°28'	331°06'	-05°46'	15°	1.38	0.98	-24°	-2.6	00'23"	0.397	159°	0.83	069°	
16.09.03	22h20.4m	-16°28'	330°57'	-05°42'	16°	1.38	0.98	-24°	-2.6	00'23"	0.399	158°	0.75	081°	
17.09.03	22h19.8m	-16°27'	330°49'	-05°38'	16°	1.38	0.98	-24°	-2.5	00'23"	0.402	156°	0.67	093°	
18.09.03	22h19.2m	-16°25'	330°41'	-05°34'	17°	1.38	0.98	-24°	-2.5	00'23"	0.405	155°	0.58	105°	
19.09.03	22h18.6m	-16°24'	330°34'	-05°29'	18°	1.38	0.97	-24°	-2.5	00'22"	0.408	154°	0.48	117°	
20.09.03	22h18.1m	-16°22'	330°28'	-05°25'	19°	1.38	0.97	-24°	-2.4	00'22"	0.411	153°	0.39	129°	
21.09.03	22h17.7m	-16°20'	330°23'	-05°20'	19°	1.38	0.97	-24°	-2.4	00'22"	0.414	152°	0.29	142°	
22.09.03	22h17.3m	-16°17'	330°18'	-05°16'	20°	1.38	0.97	-24°	-2.4	00'22"	0.418	151°	0.20	155°	
23.09.03	22h16.9m	-16°14'	330°14'	-05°11'	21°	1.39	0.97	-24°	-2.4	00'22"	0.421	150°	0.12	168°	
24.09.03	22h16.6m	-16°11'	330°11'	-05°07'	21°	1.39	0.96	-24°	-2.3	00'22"	0.425	149°	0.06	177°	
25.09.03	22h16.3m	-16°07'	330°09'	-05°02'	22°	1.39	0.96	-24°	-2.3	00'21"	0.428	148°	0.02	163°	
26.09.03	22h16.1m	-16°03'	330°08'	-04°57'	23°	1.39	0.96	-24°	-2.3	00'21"	0.432	147°	0.00	149°	
27.09.03	22h15.9m	-15°59'	330°07'	-04°53'	23°	1.39	0.96	-24°	-2.2	00'21"	0.436	146°	0.01	134°	
28.09.03	22h15.9m	-15°55'	330°07'	-04°48'	24°	1.39	0.96	-24°	-2.2	00'21"	0.440	145°	0.05	120°	
29.09.03	22h15.8m	-15°50'	330°08'	-04°43'	24°	1.39	0.95	-24°	-2.2	00'21"	0.444	144°	0.11	105°	
30.09.03	22h15.8m	-15°45'	330°10'	-04°38'	25°	1.39	0.95	-24°	-2.1	00'20"	0.448	143°	0.20	090°	
01.10.03	22h15.8m	-15°40'	330°12'	-04°33'	26°	1.39	0.95	-24°	-2.1	00'20"	0.453	143°	0.30	076°	
02.10.03	22h15.9m	-15°34'	330°16'	-04°29'	26°	1.39	0.95	-24°	-2.1	00'20"	0.457	142°	0.41	062°	
03.10.03	22h16.1m	-15°28'	330°20'	-04°24'	27°	1.39	0.95	-24°	-2.1	00'20"	0.462	141°	0.52	048°	
04.10.03	22h16.3m	-15°22'	330°25'	-04°19'	27°	1.39	0.94	-24°	-2.0	00'20"	0.466	140°	0.63	034°	
05.10.03	22h16.5m	-15°15'	330°31'	-04°14'	28°	1.39	0.94	-24°	-2.0	00'19"	0.471	139°	0.73	021°	
06.10.03	22h16.8m	-15°08'	330°37'	-04°10'	28°	1.39	0.94	-24°	-2.0	00'19"	0.476	138°	0.82	008°	
07.10.03	22h17.2m	-15°01'	330°44'	-04°05'	29°	1.39	0.94	-24°	-1.9	00'19"	0.480	137°	0.89	004°	
08.10.03	22h17.6m	-14°54'	330°52'	-04°00'	29°	1.39	0.93	-24°	-1.9	00'19"	0.485	136°	0.95	016°	
09.10.03	22h18.0m	-14°47'	331°01'	-03°56'	30°	1.39	0.93	-24°	-1.9	00'19"	0.490	136°	0.98	029°	
10.10.03	22h18.5m	-14°39'	331°11'	-03°51'	30°	1.39	0.93	-24°	-1.8	00'18"	0.495	135°	1.00	041°	
11.10.03	22h19.1m	-14°31'	331°21'	-03°46'	31°	1.39	0.93	-24°	-1.8	00'18"	0.501	134°	1.00	053°	
12.10.03	22h19.6m	-14°23'	331°32'	-03°42'	31°	1.39	0.93	-24°	-1.8	00'18"	0.506	133°	0.97	065°	
13.10.03	22h20.3m	-14°15'	331°43'	-03°37'	31°	1.39	0.92	-24°	-1.7	00'18"	0.511	132°	0.94	077°	
14.10.03	22h20.9m	-14°06'	331°56'	-03°33'	32°	1.40	0.92	-24°	-1.7	00'18"	0.517	132°	0.88	088°	
15.10.03	22h21.7m	-13°57'	332°08'	-03°28'	32°	1.40	0.92	-24°	-1.7	00'17"	0.522	131°	0.81	100°	
16.10.03	22h22.4m	-13°48'	332°22'	-03°24'	33°	1.40	0.92	-24°	-1.7	00'17"	0.528	130°	0.74	111°	
17.10.03	22h23.2m	-13°39'	332°36'	-03°20'	33°	1.40	0.92	-24°	-1.6	00'17"	0.533	129°	0.65	123°	
18.10.03	22h24.1m	-13°30'	332°51'	-03°15'	33°	1.40	0.92	-24°	-1.6	00'17"	0.539	129°	0.55	135°	
19.10.03	22h24.9m	-13°20'	333°06'	-03°11'	34°	1.40	0.91	-24°	-1.6	00'17"	0.545	128°	0.45	147°	
20.10.03	22h25.9m	-13°10'	333°22'	-03°07'	34°	1.40	0.91	-24°	-1.5	00'17"	0.551	127°	0.35	160°	
21.10.03	22h26.8m	-13°00'	333°39'	-03°03'	34°	1.40	0.91	-24°	-1.5	00'16"	0.557	126°	0.26	172°	
22.10.03	22h27.8m	-12°50'	333°56'	-02°59'	35°	1.40	0.91	-24°	-1.5	00'16"	0.563	126°	0.17	173°	
23.10.03	22h28.8m	-12°40'	334°14'	-02°55'	35°	1.40	0.91	-24°	-1.4	00'16"	0.569	125°	0.09	159°	
24.10.03	22h29.9m	-12°29'	334°32'	-02°51'	35°	1.40	0.91	-24°	-1.4	00'16"	0.575	124°	0.04	145°	
25.10.03	22h31.0m	-12°19'	334°51'	-02°47'	36°	1.40	0.90	-24°	-1.4	00'16"	0.581	124°	0.00	131°	
26.10.03	22h32.1m	-12°08'	335°11'	-02°43'	36°	1.40	0.90	-24°	-1.4	00'15"	0.587	123°	0.00	116°	
27.10.03	22h33.3m	-11°57'	335°31'	-02°39'	36°	1.40	0.90	-24°	-1.3	00'15"	0.594	122°	0.03	101°	
28.10.03	22h34.5m	-11°46'	335°51'	-02°35'	37°	1.41	0.90	-24°	-1.3	00'15"	0.600	122°	0.09	087°	

# Effemeridi: Marte (Apparente)



Localione:

Geocentrica

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DATA 0h TDT	Apparente		Lng. Ecl.	Lat. Ecl.	Fase Angolo	r (u.a.)	Fase	Osc.	MAG.	Diam. Equat	Dist (u.a.)	SOLE		LUNA	
	AR	Dec										Elong.	Fase	Ang.	
29.10.03	22h35.7m	-11°34'	336°12'	-02°31'	37°	1.41	0.90	-25°	-1.3	00'15"	0.607	121°	0.17	072°	
30.10.03	22h37.0m	-11°23'	336°34'	-02°27'	37°	1.41	0.90	-25°	-1.2	00'15"	0.613	120°	0.27	058°	