

## SMA

QUANDO	A CHE ORA			DOVE PASSA			
	TRANSITA			L'IMMAGINE			
Data	Il Sole sorge	Azimut	Transito	Altezza	parte centesima	Tramonto	Azimut
01/01/16	07:39:07.4178	121,08	12:13:18.6582	25,0728	213,74	16:47:38.1612	238,96
02/01/16	07:39:13.3794	120,97	12:13:46.9146	25,1566	212,93	16:48:29.4979	239,08
03/01/16	07:39:17.0037	120,84	12:14:14.8521	25,2481	212,05	16:49:22.5289	239,22
04/01/16	07:39:18.2839	120,7	12:14:42.4402	25,3471	211,1	16:50:17.1987	239,36
05/01/16	07:39:17.2157	120,54	12:15:09.6482	25,4537	210,09	16:51:13.4503	239,52
06/01/16	07:39:13.7965	120,38	12:15:36.4457	25,5678	209,02	16:52:11.2247	239,68
07/01/16	07:39:08.0257	120,21	12:16:02.8024	25,6893	207,88	16:53:10.4618	239,86
08/01/16	07:38:59.9041	120,03	12:16:28.6882	25,8181	206,69	16:54:11.0996	240,05
09/01/16	07:38:49.4344	119,83	12:16:54.0730	25,9543	205,45	16:55:13.0752	240,24
10/01/16	07:38:36.6205	119,63	12:17:18.9270	26,0977	204,15	16:56:16.3247	240,45
11/01/16	07:38:21.4678	119,42	12:17:43.2209	26,2482	202,8	16:57:20.7837	240,67
12/01/16	07:38:03.9833	119,19	12:18:06.9260	26,4058	201,4	16:58:26.3880	240,9
13/01/16	07:37:44.1760	118,96	12:18:30.0152	26,5704	199,95	16:59:33.0742	241,13
14/01/16	07:37:22.0568	118,72	12:18:52.4630	26,7420	198,47	17:00:40.7803	241,38
15/01/16	07:36:57.6399	118,46	12:19:14.2458	26,9204	196,94	17:01:49.4438	241,64
16/01/16	07:36:30.9418	118,2	12:19:35.3423	27,1055	195,37	17:02:59.0065	241,9
17/01/16	07:36:01.9826	117,93	12:19:55.7338	27,2974	193,77	17:04:09.4102	242,18
18/01/16	07:35:30.7849	117,65	12:20:15.4037	27,4958	192,13	17:05:20.5990	242,46
19/01/16	07:34:57.3742	117,36	12:20:34.3380	27,7007	190,47	17:06:32.5187	242,75
20/01/16	07:34:21.7784	117,07	12:20:52.5244	27,9121	188,77	17:07:45.1173	243,06
21/01/16	07:33:44.0273	116,76	12:21:09.9529	28,1297	187,05	17:08:58.3445	243,36
22/01/16	07:33:04.1522	116,45	12:21:26.6150	28,3536	185,3	17:10:12.1523	243,68
23/01/16	07:32:22.1844	116,12	12:21:42.5037	28,5835	183,54	17:11:26.4940	244,01
24/01/16	07:31:38.1602	115,79	12:21:57.6133	28,8195	181,75	17:12:41.3248	244,34
25/01/16	07:30:52.1123	115,45	12:22:11.9390	29,0614	179,95	17:13:56.6009	244,69
26/01/16	07:30:04.0755	115,11	12:22:25.4770	29,3091	178,13	17:15:12.2800	245,04
27/01/16	07:29:14.0852	114,75	12:22:38.2241	29,5625	176,3	17:16:28.3202	245,39
28/01/16	07:28:22.1768	114,39	12:22:50.1776	29,8216	174,46	17:17:44.6808	245,76
29/01/16	07:27:28.3863	114,02	12:23:01.3356	30,0861	172,61	17:19:01.3218	246,13
30/01/16	07:26:32.7499	113,65	12:23:11.6965	30,3561	170,75	17:20:18.2040	246,51
31/01/16	07:25:35.3038	113,27	12:23:21.2593	30,6313	168,88	17:21:35.2891	246,89
01/02/16	07:24:36.0845	112,88	12:23:30.0237	30,9117	167,01	17:22:52.5399	247,29
02/02/16	07:23:35.1286	112,48	12:23:37.9897	31,1972	165,14	17:24:09.9201	247,69
03/02/16	07:22:32.4726	112,08	12:23:45.1579	31,4876	163,26	17:25:27.3939	248,09
04/02/16	07:21:28.1530	111,67	12:23:51.5290	31,7829	161,39	17:26:44.9268	248,5
05/02/16	07:20:22.2058	111,26	12:23:57.1042	32,0829	159,52	17:28:02.4846	248,92
06/02/16	07:19:14.6668	110,84	12:24:01.8844	32,3874	157,65	17:29:20.0338	249,34
07/02/16	07:18:05.5711	110,41	12:24:05.8709	32,6965	155,79	17:30:37.5417	249,77
08/02/16	07:16:54.9531	109,98	12:24:09.0645	33,0099	153,93	17:31:54.9761	250,21
09/02/16	07:15:42.8462	109,54	12:24:11.4666	33,3276	152,08	17:33:12.3064	250,64
10/02/16	07:14:29.2835	109,1	12:24:13.0790	33,6494	150,23	17:34:29.5033	251,09
11/02/16	07:13:14.2981	108,66	12:24:13.9044	33,9752	148,39	17:35:46.5396	251,54
12/02/16	07:11:57.9231	108,2	12:24:13.9471	34,3049	146,57	17:37:03.3908	251,99
13/02/16	07:10:40.1930	107,75	12:24:13.2130	34,6384	144,75	17:38:20.0347	252,45
14/02/16	07:09:21.1429	107,29	12:24:11.7100	34,9755	142,94	17:39:36.4517	252,92
15/02/16	07:08:00.8094	106,82	12:24:09.4479	35,3162	141,15	17:40:52.6254	253,38
16/02/16	07:06:39.2298	106,35	12:24:06.4383	35,6603	139,37	17:42:08.5416	253,85
17/02/16	07:05:16.4424	105,88	12:24:02.6945	36,0076	137,6	17:43:24.1889	254,33
18/02/16	07:03:52.4858	105,4	12:23:58.2311	36,3582	135,84	17:44:39.5582	254,81
19/02/16	07:02:27.3986	104,92	12:23:53.0640	36,7118	134,1	17:45:54.6430	255,29
20/02/16	07:01:01.2198	104,44	12:23:47.2101	37,0684	132,38	17:47:09.4382	255,78
21/02/16	06:59:33.9881	103,95	12:23:40.6870	37,4279	130,66	17:48:23.9411	256,27
22/02/16	06:58:05.7426	103,46	12:23:33.5132	37,7901	128,97	17:49:38.1500	256,76
23/02/16	06:56:36.5200	102,97	12:23:25.7076	38,1549	127,28	17:50:52.0647	257,26
24/02/16	06:55:06.3597	102,47	12:23:17.2893	38,5223	125,62	17:52:05.6859	257,76

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25/02/16	06:53:35.2985	101,97	12:23:08.2778	38,8920	123,97	17:53:19.0150	258,26
26/02/16	06:52:03.3736	101,46	12:22:58.6925	39,2641	122,33	17:54:32.0540	258,77
27/02/16	06:50:30.6217	100,96	12:22:48.5529	39,6384	120,71	17:55:44.8053	259,28
28/02/16	06:48:57.0789	100,45	12:22:37.8786	40,0147	119,11	17:56:57.2719	259,79
29/02/16	06:47:22.7808	99,94	12:22:26.6889	40,3931	117,53	17:58:09.4568	260,3
01/03/16	06:45:47.7628	99,43	12:22:15.0031	40,7733	115,96	17:59:21.3635	260,81
02/03/16	06:44:12.0596	98,91	12:22:02.8405	41,1553	114,41	18:00:32.9956	261,33
03/03/16	06:42:35.7053	98,4	12:21:50.2198	41,5390	112,87	18:01:44.3567	261,85
04/03/16	06:40:58.7336	97,88	12:21:37.1595	41,9242	111,36	18:02:55.4499	262,37
05/03/16	06:39:21.1772	97,36	12:21:23.6776	42,3108	109,86	18:04:06.2783	262,89
06/03/16	06:37:43.0683	96,84	12:21:09.7914	42,6987	108,37	18:05:16.8444	263,41
07/03/16	06:36:04.4378	96,31	12:20:55.5172	43,0879	106,91	18:06:27.1500	263,94
08/03/16	06:34:25.3155	95,79	12:20:40.8705	43,4782	105,46	18:07:37.1965	264,47
09/03/16	06:32:45.7301	95,26	12:20:25.8663	43,8694	104,03	18:08:46.9852	264,99
10/03/16	06:31:05.7096	94,74	12:20:10.5192	44,2616	102,61	18:09:56.5176	265,52
11/03/16	06:29:25.2814	94,21	12:19:54.8440	44,6545	101,21	18:11:05.7957	266,05
12/03/16	06:27:44.4735	93,68	12:19:38.8561	45,0480	99,83	18:12:14.8227	266,58
13/03/16	06:26:03.3146	93,15	12:19:22.5722	45,4421	98,47	18:13:23.6030	267,11
14/03/16	06:24:21.8342	92,62	12:19:06.0100	45,8367	97,12	18:14:32.1426	267,64
15/03/16	06:22:40.0631	92,09	12:18:49.1888	46,2316	95,79	18:15:40.4493	268,17
16/03/16	06:20:58.0326	91,56	12:18:32.1287	46,6267	94,48	18:16:48.5321	268,7
17/03/16	06:19:15.7747	91,03	12:18:14.8510	47,0220	93,18	18:17:56.4017	269,23
18/03/16	06:17:33.3218	90,5	12:17:57.3776	47,4173	91,9	18:19:04.0700	269,77
19/03/16	06:15:50.7063	89,97	12:17:39.7311	47,8125	90,63	18:20:11.5496	270,3
20/03/16	06:14:07.9609	89,44	12:17:21.9346	48,2075	89,39	18:21:18.8541	270,83
Equinozio di Primavera alle ore 05:30							
21/03/16	06:12:25.1183	88,91	12:17:04.0113	48,6023	88,15	18:22:25.9973	271,36
22/03/16	06:10:42.2112	88,38	12:16:45.9848	48,9967	86,94	18:23:32.9937	271,89
23/03/16	06:08:59.2722	87,85	12:16:27.8784	49,3906	85,74	18:24:39.8576	272,42
24/03/16	06:07:16.3337	87,32	12:16:09.7158	49,7840	84,55	18:25:46.6036	272,95
25/03/16	06:05:33.4285	86,79	12:15:51.5203	50,1768	83,39	18:26:53.2447	273,48
26/03/16	06:03:50.5887	86,27	12:15:33.3149	50,5688	82,23	18:27:59.7956	274,01
27/03/16	06:02:07.8467	85,74	13:15:15.1224	50,9600	81,09	18:29:06.2691	274,53
28/03/16	06:00:25.2345	85,22	13:14:56.9653	51,3502	79,97	18:30:12.6777	275,06
29/03/16	05:58:42.7842	84,69	13:14:38.8654	51,7394	78,86	18:31:19.0331	275,58
30/03/16	05:57:00.5275	84,17	13:14:20.8444	52,1275	77,77	18:32:25.3460	276,11
31/03/16	05:55:18.4962	83,65	13:14:02.9231	52,5144	76,69	18:33:31.6266	276,63
01/04/16	05:53:36.7215	83,13	13:13:45.1217	52,9000	75,63	18:34:37.8835	277,15
02/04/16	05:51:55.2345	82,61	13:13:27.4598	53,2842	74,58	18:35:44.1242	277,67
03/04/16	05:50:14.0659	82,09	13:13:09.9557	53,6669	73,55	18:36:50.3546	278,18
04/04/16	05:48:33.2454	81,58	13:12:52.6267	54,0479	72,53	18:37:56.5791	278,7
05/04/16	05:46:52.8023	81,06	13:12:35.4887	54,4273	71,52	18:39:02.8001	279,21
06/04/16	05:45:12.7645	80,55	13:12:18.5562	54,8049	70,53	18:40:09.0185	279,72
07/04/16	05:43:33.1591	80,05	13:12:01.8426	55,1805	69,55	18:41:15.2334	280,23
08/04/16	05:41:54.0126	79,54	13:11:45.3603	55,5542	68,59	18:42:21.4431	280,74
09/04/16	05:40:15.3513	79,03	13:11:29.1212	55,9257	67,64	18:43:27.6446	281,24
10/04/16	05:38:37.2023	78,53	13:11:13.1376	56,2951	66,7	18:44:33.8351	281,74
11/04/16	05:36:59.5936	78,03	13:10:57.4225	56,6621	65,78	18:45:40.0117	282,24
12/04/16	05:35:22.5547	77,54	13:10:41.9895	57,0268	64,87	18:46:46.1723	282,73
13/04/16	05:33:46.1160	77,05	13:10:26.8532	57,3889	63,98	18:47:52.3154	283,23
14/04/16	05:32:10.3092	76,56	13:10:12.0293	57,7485	63,1	18:48:58.4402	283,72
15/04/16	05:30:35.1664	76,07	13:09:57.5335	58,1053	62,23	18:50:04.5463	284,2
16/04/16	05:29:00.7205	75,58	13:09:43.3823	58,4594	61,38	18:51:10.6334	284,68
17/04/16	05:27:27.0046	75,1	13:09:29.5921	58,8106	60,54	18:52:16.7020	285,16
18/04/16	05:25:54.0523	74,63	13:09:16.1796	59,1589	59,71	18:53:22.7488	285,64
19/04/16	05:24:21.8972	74,15	13:09:03.1612	59,5041	58,89	18:54:28.7753	286,11
20/04/16	05:22:50.5734	73,68	13:08:50.5531	59,8461	58,09	18:55:34.7788	286,58
21/04/16	05:21:20.1151	73,22	13:08:38.3716	60,1849	57,31	18:56:40.7567	287,04

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22/04/16	05:19:50.5567	72,76	13:08:26.6321	60,5204	56,53	18:57:46.7058	287,5
23/04/16	05:18:21.9327	72,3	13:08:15.3500	60,8525	55,77	18:58:52.6210	287,96
24/04/16	05:16:54.2776	71,85	13:08:04.5401	61,1811	55,02	18:59:58.4981	288,41
25/04/16	05:15:27.6262	71,4	13:07:54.2165	61,5062	54,28	19:01:04.3289	288,86
26/04/16	05:14:02.0134	70,95	13:07:44.3927	61,8275	53,56	19:02:10.1052	289,3
27/04/16	05:12:37.4737	70,51	13:07:35.0814	62,1451	52,85	19:03:15.8173	289,74
28/04/16	05:11:14.0419	70,08	13:07:26.2944	62,4589	52,15	19:04:21.4534	290,17
29/04/16	05:09:51.7525	69,65	13:07:18.0426	62,7687	51,46	19:05:27.0002	290,6
30/04/16	05:08:30.6398	69,22	13:07:10.3356	63,0746	50,79	19:06:32.4421	291,03
01/05/16	05:07:10.7376	68,8	13:07:03.1820	63,3763	50,13	19:07:37.7617	291,44
02/05/16	05:05:52.0792	68,38	13:06:56.5887	63,6738	49,48	19:08:42.9391	291,86
03/05/16	05:04:34.6968	67,97	13:06:50.5608	63,9671	48,84	19:09:47.9520	292,26
04/05/16	05:03:18.6213	67,57	13:06:45.1018	64,2560	48,22	19:10:52.7757	292,67
05/05/16	05:02:03.8823	67,17	13:06:40.2129	64,5404	47,61	19:11:57.3827	293,06
06/05/16	05:00:50.5085	66,78	13:06:35.8937	64,8203	47,01	19:13:01.7434	293,45
07/05/16	04:59:38.5252	66,39	13:06:32.1420	65,0955	46,43	19:14:05.8257	293,84
08/05/16	04:58:27.9624	66,01	13:06:28.9550	65,3660	45,86	19:15:09.5961	294,22
09/05/16	04:57:18.8453	65,63	13:06:26.3293	65,6317	45,3	19:16:13.0201	294,59
10/05/16	04:56:11.2027	65,26	13:06:24.2619	65,8926	44,75	19:17:16.0627	294,95
11/05/16	04:55:05.0636	64,9	13:06:22.7501	66,1484	44,21	19:18:18.6896	295,31
12/05/16	04:54:00.4578	64,54	13:06:21.7918	66,3992	43,69	19:19:20.8663	295,67
13/05/16	04:52:57.4157	64,2	13:06:21.3852	66,6448	43,18	19:20:22.5590	296,01
14/05/16	04:51:55.9676	63,85	13:06:21.5285	66,8852	42,68	19:21:23.7338	296,35
15/05/16	04:50:56.1439	63,52	13:06:22.2202	67,1202	42,2	19:22:24.3568	296,68
16/05/16	04:49:57.9749	63,19	13:06:23.4581	67,3499	41,73	19:23:24.3937	297,01
17/05/16	04:49:01.4904	62,87	13:06:25.2400	67,5742	41,27	19:24:23.8099	297,32
18/05/16	04:48:06.7200	62,55	13:06:27.5633	67,7929	40,82	19:25:22.5705	297,63
19/05/16	04:47:13.6926	62,25	13:06:30.4247	68,0060	40,39	19:26:20.6401	297,94
20/05/16	04:46:22.4369	61,95	13:06:33.8206	68,2134	39,97	19:27:17.9825	298,23
21/05/16	04:45:32.9807	61,66	13:06:37.7467	68,4151	39,56	19:28:14.5628	298,52
22/05/16	04:44:45.3515	61,37	13:06:42.1983	68,6110	39,17	19:29:10.3414	298,8
23/05/16	04:43:59.5758	61,1	13:06:47.1697	68,8010	38,79	19:30:05.2818	299,07
24/05/16	04:43:15.6794	60,83	13:06:52.6548	68,9851	38,42	19:30:59.3456	299,33
25/05/16	04:42:33.6873	60,57	13:06:58.6465	69,1633	38,06	19:31:52.4940	299,58
26/05/16	04:41:53.6234	60,32	13:07:05.1366	69,3353	37,72	19:32:44.6867	299,83
27/05/16	04:41:15.5105	60,08	13:07:12.1162	69,5013	37,39	19:33:35.8833	300,06
28/05/16	04:40:39.3700	59,85	13:07:19.5749	69,6611	37,07	19:34:26.0418	300,29
29/05/16	04:40:05.2216	59,62	13:07:27.5011	69,8147	36,76	19:35:15.1195	300,51
30/05/16	04:39:33.0833	59,41	13:07:35.8816	69,9620	36,47	19:36:03.0728	300,72
31/05/16	04:39:02.9706	59,2	13:07:44.7017	70,1029	36,19	19:36:49.8570	300,93
01/06/16	04:38:34.8963	59	13:07:53.9445	70,2375	35,93	19:37:35.4262	301,12
02/06/16	04:38:08.8704	58,81	13:08:03.5912	70,3657	35,68	19:38:19.7338	301,3
03/06/16	04:37:44.8996	58,63	13:08:13.6209	70,4874	35,44	19:39:02.7318	301,48
04/06/16	04:37:22.9877	58,46	13:08:24.0109	70,6025	35,21	19:39:44.3714	301,64
05/06/16	04:37:03.1363	58,3	13:08:34.7369	70,7111	35	19:40:24.6034	301,8
06/06/16	04:36:45.3437	58,15	13:08:45.7739	70,8131	34,8	19:41:03.3785	301,94
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09/06/16	04:36:04.3157	57,75	13:09:20.5018	71,0791	34,28	19:42:50.4878	302,32
10/06/16	04:35:54.7464	57,64	13:09:32.5363	71,1543	34,13	19:43:22.9704	302,43
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21/08/16	05:25:47.7802	73,24	13:13:01.5270	59,9790	57,78	18:59:31.6457	286,5
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25/08/16	05:29:55.9895	75,1	13:11:57.6169	58,6157	61	18:53:15.2799	284,63
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10/09/16	05:46:25.9742	83,03	13:06:50.0355	52,7739	75,98	18:26:30.4250	276,7
11/09/16	05:47:27.7015	83,54	13:06:28.9153	52,3937	77,03	18:24:46.5440	276,19
12/09/16	05:48:29.4414	84,05	13:06:07.6759	52,0122	78,09	18:23:02.4183	275,68
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15/09/16	05:51:34.8438	85,6	13:05:03.4547	50,8614	81,38	18:17:48.8870	274,13
16/09/16	05:52:36.7489	86,12	13:04:41.9556	50,4759	82,5	18:16:04.0986	273,61
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19/09/16	05:55:43.0003	87,68	13:03:37.5237	49,3151	85,97	18:10:49.3554	272,05
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29/10/16	06:40:24.6665	107,84	12:53:42.0923	34,4289	145,89	17:06:26.3561	251,97
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