

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun	Sun	Sun	Sun	Star	90 minutes	Time of			90 minutes			Hel		
Day	-12°	-18°	-18°	-12°	Name	earlier	Azi	Alt	maximum	Azi	Alt	later	Azi	Alt	Cor
mer 11-05-2016	19:45	20:32	01:53	02:40	XZ Lac	mer 08:06	118	70	mer 09:36	118	56	mer 11:06	124	42	-205
gio 12-05-2016	19:47	20:34	01:51	02:38	XZ Lac	gio 14:21	145	16	gio 15:51	158	8	gio 17:21	172	4	-200
ven 13-05-2016	19:48	20:36	01:49	02:37	XZ Lac XZ Lac	ven 05:28 ven 20:36	225 204	81 9	ven 06:58 ven 22:06	130 216	79 17	ven 08:28 ven 23:36	117 226	65 28	-198 -196
sab 14-05-2016	19:50	20:38	01:47	02:36	XZ Lac	sab 11:43	129	35	sab 13:13	138	23	sab 14:43	150	13	-193
dom 15-05-2016	19:51	20:39	01:46	02:34	XZ Lac	dom 17:58	180	3	dom 19:28	194	5	dom 20:58	208	11	-188
lun 16-05-2016	19:53	20:41	01:44	02:33	XZ Lac	lun 09:06	118	57	lun 10:36	123	43	lun 12:06	132	30	-186
mar 17-05-2016	19:54	20:43	01:42	02:32	XZ Lac	mar 15:21	157	9	mar 16:51	170	4	mar 18:21	185	4	-181
mer 18-05-2016	19:55	20:45	01:41	02:30	XZ Lac XZ Lac	mer 06:28 mer 21:36	135 215	81 16	mer 07:58 mer 23:06	117 225	67 26	mer 09:28 gio 00:36	119 234	53 39	-179 -176
gio 19-05-2016	19:57	20:47	01:39	02:29	XZ Lac	gio 12:43	137	24	gio 14:13	148	14	gio 15:43	161	7	-174
ven 20-05-2016	19:58	20:48	01:37	02:28	XZ Lac XZ Lac	ven 03:51 ven 18:58	242 193	70 5	ven 05:21 ven 20:28	207 206	83 10	ven 06:51 ven 21:58	123 218	77 19	-171 -169
sab 21-05-2016	19:59	20:50	01:36	02:27	XZ Lac	sab 10:06	123	45	sab 11:36	131	32	sab 13:06	140	20	-166
dom 22-05-2016	20:01	20:52	01:34	02:25	XZ Lac	dom 16:21	169	5	dom 17:51	183	3	dom 19:21	198	6	-161
lun 23-05-2016	20:02	20:54	01:32	02:24	XZ Lac	lun 07:28	117	69	lun 08:58	119	54	lun 10:28	125	40	-158
mar 24-05-2016	20:03	20:55	01:31	02:23	XZ Lac	mar 13:43	147	15	mar 15:13	159	8	mar 16:43	174	4	-153
mer 25-05-2016	20:05	20:57	01:30	02:22	XZ Lac XZ Lac	mer 04:51 mer 19:58	218 205	82 10	mer 06:21 mer 21:28	126 217	78 18	mer 07:51 mer 22:58	117 227	64 29	-150 -148
gio 26-05-2016	20:06	20:59	01:28	02:21	XZ Lac	gio 11:06	129	33	gio 12:36	139	21	gio 14:06	151	12	-145
ven 27-05-2016	20:07	21:00	01:27	02:20	XZ Lac	ven 17:20	182	3	ven 18:50	196	6	ven 20:20	209	12	-139
sab 28-05-2016	20:08	21:02	01:25	02:19	XZ Lac	sab 08:28	118	56	sab 09:58	124	42	sab 11:28	133	29	-137
dom 29-05-2016	20:09	21:04	01:24	02:18	XZ Lac	dom 14:43	158	8	dom 16:13	172	4	dom 17:43	186	4	-131
lun 30-05-2016	20:11	21:05	01:23	02:18	XZ Lac XZ Lac	lun 05:50 lun 20:58	130 216	80 17	lun 07:20 lun 22:28	117 226	65 28	lun 08:50 lun 23:58	120 235	51 40	-128 -125
mar 31-05-2016	20:12	21:07	01:22	02:17	XZ Lac	mar 12:05	138	23	mar 13:35	149	13	mar 15:05	162	6	-123
mer 01-06-2016	20:13	21:08	01:21	02:16	XZ Lac	mer 18:20	194	5	mer 19:50	208	11	mer 21:20	220	20	-117
gio 02-06-2016	20:14	21:09	01:20	02:15	XZ Lac	gio 09:28	123	43	gio 10:58	131	30	gio 12:28	142	19	-114
ven 03-06-2016	20:15	21:11	01:19	02:15	XZ Lac	ven 15:43	170	4	ven 17:13	185	4	ven 18:43	199	7	-108
sab 04-06-2016	20:16	21:12	01:18	02:14	XZ Lac XZ Lac	sab 06:50 sab 21:58	117 225	67 26	sab 08:20 sab 23:28	119 234	53 39	sab 09:50 dom 00:58	126 241	39 53	-105 -102
dom 05-06-2016	20:17	21:13	01:17	02:14	XZ Lac	dom 13:05	148	14	dom 14:35	161	7	dom 16:05	175	4	-99
lun 06-06-2016	20:18	21:15	01:16	02:13	XZ Lac XZ Lac	lun 04:13 lun 19:20	209 206	83 10	lun 05:43 lun 20:50	123 218	77 19	lun 07:13 lun 22:20	117 228	62 30	-96 -93

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun Day	Sun -12°	Sun -18°	Sun -18°	Sun -12°	Star Name	90 minutes earlier	Azi	Alt	Time of maximum	Azi	Alt	90 minutes later	Azi	Alt	Hel Cor
mar 07-06-2016	20:18	21:16	01:15	02:13	XZ Lac	mar 10:28	130	32	mar 11:58	140	20	mar 13:28	152	11	-91	
mer 08-06-2016	20:19	21:17	01:15	02:12	XZ Lac	mer 16:43	183	3	mer 18:13	197	6	mer 19:43	211	13	-85	
gio 09-06-2016	20:20	21:18	01:14	02:12	XZ Lac	gio 07:50	119	54	gio 09:20	125	40	gio 10:50	134	28	-82	
ven 10-06-2016	20:21	21:19	01:13	02:12	XZ Lac	ven 14:05	159	8	ven 15:35	173	4	ven 17:05	188	4	-76	
sab 11-06-2016	20:21	21:20	01:13	02:11	XZ Lac XZ Lac	sab 05:13	126	78	sab 06:43	117	64	sab 08:13	120	50	-73	
						sab 20:20	217	18	sab 21:50	227	29	sab 23:20	236	42	-69	
dom 12-06-2016	20:22	21:21	01:13	02:11	XZ Lac	dom 11:28	139	22	dom 12:58	151	12	dom 14:28	164	6	-66	
lun 13-06-2016	20:23	21:21	01:12	02:11	XZ Lac	lun 17:43	196	6	lun 19:13	209	12	lun 20:43	221	21	-60	
mar 14-06-2016	20:23	21:22	01:12	02:11	XZ Lac	mar 08:50	124	42	mar 10:20	132	29	mar 11:50	143	18	-57	
mer 15-06-2016	20:24	21:23	01:12	02:11	XZ Lac	mer 15:05	172	4	mer 16:35	186	4	mer 18:05	200	7	-51	
gio 16-06-2016	20:24	21:23	01:12	02:11	XZ Lac XZ Lac	gio 06:13	117	66	gio 07:43	120	51	gio 09:13	127	38	-48	
						gio 21:20	226	28	gio 22:50	235	40	ven 00:20	241	54	-45	
ven 17-06-2016	20:25	21:24	01:12	02:11	XZ Lac	ven 12:28	149	13	ven 13:58	162	6	ven 15:28	177	3	-42	
sab 18-06-2016	20:25	21:24	01:12	02:11	XZ Lac	sab 18:43	208	11	sab 20:13	219	20	sab 21:43	229	32	-36	
dom 19-06-2016	20:25	21:25	01:12	02:11	XZ Lac	dom 09:50	131	31	dom 11:20	142	19	dom 12:50	153	10	-33	
lun 20-06-2016	20:25	21:25	01:12	02:11	XZ Lac	lun 16:05	185	4	lun 17:35	199	7	lun 19:05	212	14	-26	
mar 21-06-2016	20:26	21:25	01:12	02:12	XZ Lac XZ Lac	mar 07:13	119	53	mar 08:43	126	39	mar 10:13	135	27	-23	
						mar 22:20	234	39	mar 23:50	241	52	mer 01:20	243	67	-20	
mer 22-06-2016	20:26	21:25	01:13	02:12	XZ Lac	mer 13:27	161	7	mer 14:57	175	4	mer 16:27	189	4	-17	
gio 23-06-2016	20:26	21:25	01:13	02:12	XZ Lac XZ Lac	gio 04:35	124	77	gio 06:05	117	62	gio 07:35	121	48	-14	
						gio 19:42	218	19	gio 21:12	228	30	gio 22:42	237	43	-11	
ven 24-06-2016	20:26	21:25	01:14	02:13	XZ Lac	ven 10:50	140	20	ven 12:20	152	11	ven 13:50	165	5	-8	
sab 25-06-2016	20:26	21:25	01:14	02:13	XZ Lac	sab 17:05	197	6	sab 18:35	210	13	sab 20:05	222	23	-1	
dom 26-06-2016	20:26	21:25	01:15	02:14	XZ Lac	dom 08:12	125	41	dom 09:42	133	28	dom 11:12	144	17	2	
lun 27-06-2016	20:26	21:25	01:15	02:14	XZ Lac	lun 14:27	173	4	lun 15:57	188	4	lun 17:27	202	8	8	
mar 28-06-2016	20:26	21:24	01:16	02:15	XZ Lac XZ Lac	mar 05:35	117	64	mar 07:05	120	50	mar 08:35	127	36	11	
						mar 20:42	227	29	mar 22:12	236	42	mar 23:42	242	56	14	
mer 29-06-2016	20:25	21:24	01:17	02:15	XZ Lac	mer 11:50	151	12	mer 13:20	164	6	mer 14:50	178	3	17	
gio 30-06-2016	20:25	21:23	01:18	02:16	XZ Lac	gio 18:05	209	12	gio 19:35	221	21	gio 21:05	230	33	24	
ven 01-07-2016	20:25	21:23	01:19	02:17	XZ Lac	ven 09:12	132	29	ven 10:42	143	18	ven 12:12	155	10	27	
sab 02-07-2016	20:24	21:22	01:20	02:18	XZ Lac	sab 15:27	186	4	sab 16:57	200	7	sab 18:27	213	15	33	
dom 03-07-2016	20:24	21:22	01:21	02:18	XZ Lac XZ Lac	dom 06:35	120	51	dom 08:05	127	38	dom 09:35	136	25	36	
						dom 21:42	235	40	dom 23:12	241	54	lun 00:42	243	68	39	
lun 04-07-2016	20:24	21:21	01:22	02:19	XZ Lac	lun 12:50	162	6	lun 14:20	176	3	lun 15:50	191	4	42	

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

Day	Sun -12°	Sun -18°	Sun -18°	Sun -12°	Star Name	90 minutes earlier	Azi	Alt	Time of maximum	Azi	Alt	90 minutes later	Azi	Alt	Hel Cor
mar 05-07-2016	20:23	21:20	01:24	02:20	XZ Lac XZ Lac	mar 03:57 mar 19:05	121 219	75 20	mar 05:27 mar 20:35	117 229	61 31	mar 06:57 mar 22:05	122 237	47 45	45 48
mer 06-07-2016	20:23	21:19	01:25	02:21	XZ Lac	mer 10:12	141	19	mer 11:42	153	11	mer 13:12	167	5	51
gio 07-07-2016	20:22	21:18	01:26	02:22	XZ Lac	gio 16:27	199	7	gio 17:57	212	14	gio 19:27	223	24	58
ven 08-07-2016	20:21	21:17	01:27	02:23	XZ Lac	ven 07:35	126	39	ven 09:05	134	27	ven 10:35	145	16	61
sab 09-07-2016	20:21	21:16	01:29	02:24	XZ Lac	sab 13:50	175	4	sab 15:20	189	4	sab 16:50	203	9	67
dom 10-07-2016	20:20	21:15	01:30	02:25	XZ Lac XZ Lac	dom 04:57 dom 20:05	117 228	63 30	dom 06:27 dom 21:35	121 237	48 43	dom 07:57 dom 23:05	128 242	35 57	70 73
lun 11-07-2016	20:19	21:14	01:32	02:26	XZ Lac	lun 11:12	152	11	lun 12:42	165	5	lun 14:12	180	3	76
mar 12-07-2016	20:18	21:12	01:33	02:27	XZ Lac	mar 17:27	210	13	mar 18:57	222	22	mar 20:27	231	34	82
mer 13-07-2016	20:17	21:11	01:35	02:28	XZ Lac	mer 08:35	133	28	mer 10:05	144	17	mer 11:35	156	9	85
gio 14-07-2016	20:16	21:10	01:36	02:30	XZ Lac	gio 14:50	188	4	gio 16:20	202	8	gio 17:50	214	16	91
ven 15-07-2016	20:15	21:08	01:38	02:31	XZ Lac XZ Lac	ven 05:57 ven 21:05	120 236	50 41	ven 07:27 ven 22:35	127 242	36 55	ven 08:57 sab 00:05	137 242	24 70	94 97
sab 16-07-2016	20:14	21:07	01:39	02:32	XZ Lac	sab 12:12	164	6	sab 13:42	178	3	sab 15:12	193	5	100
dom 17-07-2016	20:13	21:05	01:41	02:33	XZ Lac	dom 18:27	220	21	dom 19:57	230	33	dom 21:27	238	46	106
lun 18-07-2016	20:12	21:04	01:43	02:34	XZ Lac	lun 09:35	143	18	lun 11:05	155	10	lun 12:35	168	5	108
mar 19-07-2016	20:11	21:02	01:44	02:36	XZ Lac	mar 15:49	200	7	mar 17:19	213	15	mar 18:49	224	25	114
mer 20-07-2016	20:10	21:01	01:46	02:37	XZ Lac XZ Lac	mer 06:57 mer 22:04	126 241	38 54	mer 08:27 mer 23:34	135 243	25 68	mer 09:57 gio 01:04	146 219	15 82	117 120
gio 21-07-2016	20:09	20:59	01:48	02:38	XZ Lac	gio 13:12	176	3	gio 14:42	191	4	gio 16:12	205	9	123
ven 22-07-2016	20:07	20:58	01:50	02:40	XZ Lac XZ Lac	ven 04:19 ven 19:27	117 229	61 31	ven 05:49 ven 20:57	122 237	47 44	ven 07:19 ven 22:27	129 243	33 59	126 128
sab 23-07-2016	20:06	20:56	01:51	02:41	XZ Lac	sab 10:34	153	11	sab 12:04	167	5	sab 13:34	181	3	131
dom 24-07-2016	20:05	20:54	01:53	02:42	XZ Lac	dom 16:49	212	14	dom 18:19	223	24	dom 19:49	232	36	137
lun 25-07-2016	20:04	20:52	01:55	02:44	XZ Lac	lun 07:57	134	27	lun 09:27	145	16	lun 10:57	158	8	140
mar 26-07-2016	20:02	20:51	01:57	02:45	XZ Lac	mar 14:12	189	4	mar 15:42	203	9	mar 17:12	216	17	145
mer 27-07-2016	20:01	20:49	01:58	02:46	XZ Lac XZ Lac	mer 05:19 mer 20:27	121 236	48 43	mer 06:49 mer 21:57	128 242	35 57	mer 08:19 mer 23:27	138 242	23 71	148 150
gio 28-07-2016	19:59	20:47	02:00	02:48	XZ Lac	gio 11:34	165	5	gio 13:04	180	3	gio 14:34	194	5	153
ven 29-07-2016	19:58	20:45	02:02	02:49	XZ Lac	ven 17:49	222	22	ven 19:19	231	34	ven 20:49	239	48	158
sab 30-07-2016	19:56	20:43	02:04	02:51	XZ Lac	sab 08:57	144	17	sab 10:27	156	9	sab 11:57	170	4	161
dom 31-07-2016	19:55	20:41	02:06	02:52	XZ Lac	dom 15:12	202	8	dom 16:42	214	16	dom 18:12	225	26	166

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun	Sun	Sun	Sun	Star	90 minutes			Time of			90 minutes			Hel
Day	-12°	-18°	-18°	-12°	Name	earlier	Azi	Alt	maximum	Azi	Alt	later	Azi	Alt	Cor
lun 01-08-2016	19:53	20:39	02:07	02:53	XZ Lac	lun 06:19	127	36	lun 07:49	137	24	lun 09:19	148	14	169
					XZ Lac	lun 21:27	242	55	lun 22:57	242	70	mar 00:27	211	83	171
mar 02-08-2016	19:52	20:37	02:09	02:55	XZ Lac	mar 12:34	178	3	mar 14:04	192	5	mar 15:34	206	10	174
mer 03-08-2016	19:50	20:36	02:11	02:56	XZ Lac	mer 03:42	117	60	mer 05:12	122	45	mer 06:42	130	32	176
					XZ Lac	mer 18:49	230	33	mer 20:19	238	46	mer 21:49	243	60	179
gio 04-08-2016	19:49	20:34	02:13	02:58	XZ Lac	gio 09:57	155	10	gio 11:27	168	5	gio 12:57	183	3	181
ven 05-08-2016	19:47	20:32	02:15	02:59	XZ Lac	ven 16:12	213	15	ven 17:42	224	25	ven 19:12	233	37	186
sab 06-08-2016	19:45	20:30	02:16	03:00	XZ Lac	sab 07:19	135	26	sab 08:49	146	15	sab 10:19	159	8	189
					XZ Lac	sab 22:27	243	68	sab 23:57	220	82	dom 01:27	127	79	191
dom 07-08-2016	19:44	20:28	02:18	03:02	XZ Lac	dom 13:34	191	4	dom 15:04	204	9	dom 16:34	217	18	193
lun 08-08-2016	19:42	20:25	02:20	03:03	XZ Lac	lun 04:42	122	47	lun 06:12	129	34	lun 07:42	139	22	196
					XZ Lac	lun 19:49	237	44	lun 21:19	242	58	lun 22:49	241	73	198
mar 09-08-2016	19:40	20:23	02:22	03:05	XZ Lac	mar 10:57	167	5	mar 12:27	181	3	mar 13:57	195	6	200
mer 10-08-2016	19:38	20:21	02:23	03:06	XZ Lac	mer 17:12	223	23	mer 18:42	232	35	mer 20:12	239	49	205
gio 11-08-2016	19:37	20:19	02:25	03:08	XZ Lac	gio 08:19	145	16	gio 09:49	157	8	gio 11:19	171	4	207
ven 12-08-2016	19:35	20:17	02:27	03:09	XZ Lac	ven 14:34	203	9	ven 16:04	215	17	ven 17:34	226	27	212
sab 13-08-2016	19:33	20:15	02:29	03:10	XZ Lac	sab 05:42	128	35	sab 07:12	138	23	sab 08:42	149	13	214
					XZ Lac	sab 20:49	242	57	sab 22:19	242	71	sab 23:49	199	83	216
dom 14-08-2016	19:31	20:13	02:30	03:12	XZ Lac	dom 11:56	179	3	dom 13:26	194	5	dom 14:56	207	11	218
lun 15-08-2016	19:30	20:11	02:32	03:13	XZ Lac	lun 03:04	118	58	lun 04:34	123	44	lun 06:04	131	31	220
					XZ Lac	lun 18:11	231	34	lun 19:41	239	47	lun 21:11	243	62	222
mar 16-08-2016	19:28	20:09	02:34	03:15	XZ Lac	mar 09:19	156	9	mar 10:49	170	4	mar 12:19	184	3	224
mer 17-08-2016	19:26	20:07	02:35	03:16	XZ Lac	mer 15:34	214	16	mer 17:04	225	26	mer 18:34	234	38	228
gio 18-08-2016	19:24	20:05	02:37	03:17	XZ Lac	gio 06:41	136	24	gio 08:11	148	14	gio 09:41	160	7	230
					XZ Lac	gio 21:49	243	70	gio 23:19	212	83	ven 00:49	124	77	232
ven 19-08-2016	19:22	20:02	02:39	03:19	XZ Lac	ven 12:56	192	5	ven 14:26	206	10	ven 15:56	218	19	234
sab 20-08-2016	19:20	20:00	02:40	03:20	XZ Lac	sab 04:04	122	45	sab 05:34	130	32	sab 07:04	140	21	236
					XZ Lac	sab 19:11	238	46	sab 20:41	243	60	sab 22:11	240	74	238
dom 21-08-2016	19:19	19:58	02:42	03:21	XZ Lac	dom 10:19	168	5	dom 11:49	183	3	dom 13:19	197	6	240
lun 22-08-2016	19:17	19:56	02:44	03:23	XZ Lac	lun 16:34	224	25	lun 18:04	233	37	lun 19:34	240	50	243
mar 23-08-2016	19:15	19:54	02:45	03:24	XZ Lac	mar 07:41	146	15	mar 09:11	159	8	mar 10:41	173	4	245
mer 24-08-2016	19:13	19:52	02:47	03:26	XZ Lac	mer 13:56	204	9	mer 15:26	217	18	mer 16:56	227	29	248
gio 25-08-2016	19:11	19:50	02:48	03:27	XZ Lac	gio 05:04	129	34	gio 06:34	139	22	gio 08:04	150	12	250
					XZ Lac	gio 20:11	242	58	gio 21:41	241	73	gio 23:11	186	84	252
ven 26-08-2016	19:09	19:47	02:50	03:28	XZ Lac	ven 11:19	181	3	ven 12:49	195	6	ven 14:19	209	12	253

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun	Sun	Sun	Sun	Star	90 minutes			Time of			90 minutes			Hel
Day	-12°	-18°	-18°	-12°	Name	earlier	Azi	Alt	maximum	Azi	Alt	later	Azi	Alt	Cor
sab 27-08-2016	19:07	19:45	02:51	03:30	XZ Lac	sab 17:34	232	35	sab 19:04	239	49	sab 20:34	243	63	256
dom 28-08-2016	19:05	19:43	02:53	03:31	XZ Lac	dom 08:41	157	8	dom 10:11	171	4	dom 11:41	186	4	258
lun 29-08-2016	19:03	19:41	02:55	03:32	XZ Lac	lun 14:56	215	16	lun 16:26	226	27	lun 17:56	235	40	261
mar 30-08-2016	19:01	19:39	02:56	03:34	XZ Lac XZ Lac	mar 06:04 mar 21:11	138 242	23 71	mar 07:34 mar 22:41	149 201	13 83	mar 09:04 mer 00:11	162 122	7 76	262 264
mer 31-08-2016	18:59	19:37	02:58	03:35	XZ Lac	mer 12:19	194	5	mer 13:49	207	11	mer 15:19	219	20	265
gio 01-09-2016	18:57	19:35	02:59	03:36	XZ Lac XZ Lac	gio 03:26 gio 18:34	123 239	44 47	gio 04:56 gio 20:04	131 243	31 62	gio 06:26 gio 21:34	141 238	20 76	266 268
ven 02-09-2016	18:55	19:32	03:01	03:37	XZ Lac	ven 09:41	170	4	ven 11:11	184	3	ven 12:41	198	7	269
sab 03-09-2016	18:53	19:30	03:02	03:39	XZ Lac	sab 15:56	225	26	sab 17:26	234	38	sab 18:56	241	52	271
dom 04-09-2016	18:52	19:28	03:03	03:40	XZ Lac XZ Lac	dom 07:04 dom 22:11	147 213	14 83	dom 08:34 dom 23:41	160 124	7 77	dom 10:04 lun 01:11	174 117	4 63	273 274
lun 05-09-2016	18:50	19:26	03:05	03:41	XZ Lac	lun 13:19	206	10	lun 14:49	218	19	lun 16:19	228	30	275
mar 06-09-2016	18:48	19:24	03:06	03:43	XZ Lac XZ Lac	mar 04:26 mar 19:34	130 243	32 60	mar 05:56 mar 21:04	140 240	21 74	mar 07:26 mar 22:34	152 171	12 84	276 277
mer 07-09-2016	18:46	19:22	03:08	03:44	XZ Lac	mer 10:41	182	3	mer 12:11	197	6	mer 13:41	210	13	278
gio 08-09-2016	18:44	19:20	03:09	03:45	XZ Lac	gio 16:56	233	37	gio 18:26	240	50	gio 19:56	243	65	280
ven 09-09-2016	18:42	19:18	03:11	03:46	XZ Lac	ven 08:03	159	8	ven 09:33	173	4	ven 11:03	187	4	281
sab 10-09-2016	18:40	19:15	03:12	03:48	XZ Lac	sab 14:18	216	17	sab 15:48	227	28	sab 17:18	235	41	283
dom 11-09-2016	18:38	19:13	03:13	03:49	XZ Lac XZ Lac	dom 05:26 dom 20:33	139 241	22 73	dom 06:56 dom 22:03	150 187	13 84	dom 08:26 dom 23:33	163 120	6 74	284 284
lun 12-09-2016	18:36	19:11	03:15	03:50	XZ Lac	lun 11:41	195	6	lun 13:11	209	12	lun 14:41	220	21	285
mar 13-09-2016	18:34	19:09	03:16	03:51	XZ Lac XZ Lac	mar 02:48 mar 17:56	124 239	43 49	mar 04:18 mar 19:26	132 243	30 63	mar 05:48 mar 20:56	142 235	19 77	286 287
mer 14-09-2016	18:32	19:07	03:17	03:53	XZ Lac	mer 09:03	171	4	mer 10:33	186	4	mer 12:03	200	7	287
gio 15-09-2016	18:30	19:05	03:19	03:54	XZ Lac	gio 15:18	226	27	gio 16:48	235	40	gio 18:18	241	53	289
ven 16-09-2016	18:28	19:03	03:20	03:55	XZ Lac XZ Lac	ven 06:26 ven 21:33	149 202	13 83	ven 07:56 ven 23:03	162 122	7 76	ven 09:26 sab 00:33	176 117	3 61	289 290
sab 17-09-2016	18:26	19:01	03:22	03:56	XZ Lac	sab 12:41	207	11	sab 14:11	219	20	sab 15:41	229	31	290
dom 18-09-2016	18:24	18:59	03:23	03:57	XZ Lac XZ Lac	dom 03:48 dom 18:56	131 243	31 61	dom 05:18 dom 20:26	141 238	20 76	dom 06:48 dom 21:56	153 158	11 83	291 291
lun 19-09-2016	18:22	18:57	03:24	03:59	XZ Lac	lun 10:03	184	3	lun 11:33	198	7	lun 13:03	211	13	291
mar 20-09-2016	18:20	18:55	03:25	04:00	XZ Lac	mar 16:18	234	38	mar 17:48	240	52	mar 19:18	243	66	292
mer 21-09-2016	18:19	18:53	03:27	04:01	XZ Lac	mer 07:26	160	7	mer 08:56	174	4	mer 10:26	189	4	292
gio 22-09-2016	18:17	18:51	03:28	04:02	XZ Lac	gio 13:41	218	19	gio 15:11	228	30	gio 16:41	236	43	293

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun Day	Sun -12°	Sun -18°	Sun -18°	Sun -12°	Star Name	90 minutes earlier	Azi	Alt	Time of maximum	Azi	Alt	90 minutes later	Azi	Alt	Hel Cor
ven 23-09-2016	18:15	18:49	03:29	04:03	XZ Lac	XZ Lac	ven 04:48	140	21	ven 06:18	151	12	ven 07:48	165	6	293
							ven 19:56	240	74	ven 21:26	173	84	ven 22:56	119	73	293
sab 24-09-2016	18:13	18:47	03:31	04:05	XZ Lac		sab 11:03	197	6	sab 12:33	210	13	sab 14:03	221	22	293
dom 25-09-2016	18:11	18:45	03:32	04:06	XZ Lac	XZ Lac	dom 02:11	124	41	dom 03:41	133	28	dom 05:11	143	18	294
							dom 17:18	240	50	dom 18:48	243	65	dom 20:18	232	79	294
lun 26-09-2016	18:09	18:43	03:33	04:07	XZ Lac		lun 08:26	173	4	lun 09:56	187	4	lun 11:26	201	8	294
mar 27-09-2016	18:07	18:41	03:34	04:08	XZ Lac		mar 14:41	227	28	mar 16:11	235	41	mar 17:41	242	55	294
mer 28-09-2016	18:05	18:39	03:36	04:09	XZ Lac	XZ Lac	mer 05:48	150	13	mer 07:18	163	6	mer 08:48	178	3	294
							mer 20:56	189	84	mer 22:26	120	74	mer 23:56	117	60	293
gio 29-09-2016	18:04	18:37	03:37	04:11	XZ Lac		gio 12:03	208	12	gio 13:33	220	21	gio 15:03	230	32	293
ven 30-09-2016	18:02	18:35	03:38	04:12	XZ Lac	XZ Lac	ven 03:11	132	30	ven 04:41	142	19	ven 06:11	154	10	293
							ven 18:18	243	63	ven 19:48	236	77	ven 21:18	148	83	293
sab 01-10-2016	18:00	18:34	03:39	04:13	XZ Lac		sab 09:26	186	4	sab 10:56	200	7	sab 12:26	213	14	293
dom 02-10-2016	17:58	18:32	03:41	04:14	XZ Lac		dom 15:41	235	39	dom 17:11	241	53	dom 18:41	243	68	292
lun 03-10-2016	17:56	18:30	03:42	04:15	XZ Lac	XZ Lac	lun 06:48	162	7	lun 08:18	176	3	lun 09:48	190	4	292
							lun 21:56	122	76	lun 23:26	117	62	mar 00:56	121	47	291
mar 04-10-2016	17:55	18:28	03:43	04:16	XZ Lac		mar 13:03	219	20	mar 14:33	229	31	mar 16:03	237	44	291
mer 05-10-2016	17:53	18:26	03:44	04:18	XZ Lac	XZ Lac	mer 04:11	141	20	mer 05:41	153	11	mer 07:11	166	5	290
							mer 19:18	238	76	mer 20:48	160	83	mer 22:18	118	71	290
gio 06-10-2016	17:51	18:24	03:45	04:19	XZ Lac		gio 10:25	198	7	gio 11:55	211	13	gio 13:25	222	23	289
ven 07-10-2016	17:49	18:23	03:47	04:20	XZ Lac	XZ Lac	ven 01:33	125	40	ven 03:03	134	27	ven 04:33	145	17	289
							ven 16:40	240	52	ven 18:10	243	66	ven 19:40	228	80	288
sab 08-10-2016	17:48	18:21	03:48	04:21	XZ Lac		sab 07:48	174	4	sab 09:18	189	4	sab 10:48	203	8	288
dom 09-10-2016	17:46	18:19	03:49	04:22	XZ Lac		dom 14:03	228	30	dom 15:33	236	42	dom 17:03	242	56	286
lun 10-10-2016	17:44	18:17	03:50	04:23	XZ Lac	XZ Lac	lun 05:10	151	12	lun 06:40	165	6	lun 08:10	179	3	286
							lun 20:18	174	84	lun 21:48	119	73	lun 23:18	118	58	285
mar 11-10-2016	17:42	18:16	03:51	04:25	XZ Lac		mar 11:25	210	12	mar 12:55	221	22	mar 14:25	231	34	284
mer 12-10-2016	17:41	18:14	03:53	04:26	XZ Lac	XZ Lac	mer 02:33	133	29	mer 04:03	143	18	mer 05:33	156	9	283
							mer 17:40	243	64	mer 19:10	233	79	mer 20:40	139	82	282
gio 13-10-2016	17:39	18:12	03:54	04:27	XZ Lac		gio 08:48	187	4	gio 10:18	201	8	gio 11:48	214	15	281
ven 14-10-2016	17:38	18:11	03:55	04:28	XZ Lac		ven 15:03	235	41	ven 16:33	242	55	ven 18:03	243	69	280
sab 15-10-2016	17:36	18:09	03:56	04:29	XZ Lac	XZ Lac	sab 06:10	163	6	sab 07:40	177	3	sab 09:10	192	5	279
							sab 21:18	120	74	sab 22:48	117	60	dom 00:18	122	46	278
dom 16-10-2016	17:34	18:08	03:57	04:30	XZ Lac		dom 12:25	220	21	dom 13:55	230	32	dom 15:25	238	45	277
lun 17-10-2016	17:33	18:06	03:58	04:32	XZ Lac	XZ Lac	lun 03:33	142	19	lun 05:03	154	10	lun 06:33	168	5	275
							lun 18:40	236	77	lun 20:10	149	83	lun 21:40	117	70	274

Latitude 43,6 - Longitude -11,2 - Time Zone 0 - Day Light Saving time 0 - UNIVERSAL TIME

	Sun Day	Sun -12°	Sun -18°	Sun -18°	Sun -12°	Star Name	90 minutes earlier			Time of maximum			90 minutes later			Hel Cor
							Azi	Alt		Azi	Alt		Azi	Alt		
mar 18-10-2016	17:31	18:04	04:00	04:33	XZ Lac	mar 09:48	200	7	mar 11:18	212	14	mar 12:48	224	24	273	
mer 19-10-2016	17:30	18:03	04:01	04:34	XZ Lac	mer 00:55	126	38	mer 02:25	135	26	mer 03:55	146	16	272	
						mer 16:03	241	53	mer 17:33	243	68	mer 19:03	222	81	271	
gio 20-10-2016	17:28	18:01	04:02	04:35	XZ Lac	gio 07:10	176	3	gio 08:40	190	4	gio 10:10	204	9	269	
						gio 22:18	117	62	gio 23:48	121	47	ven 01:18	129	34	268	
ven 21-10-2016	17:27	18:00	04:03	04:36	XZ Lac	ven 13:25	229	31	ven 14:55	237	44	ven 16:25	242	58	267	
sab 22-10-2016	17:25	17:58	04:04	04:37	XZ Lac	sab 04:33	153	11	sab 06:03	166	5	sab 07:33	181	3	266	
						sab 19:40	161	83	sab 21:10	118	71	sab 22:40	118	57	264	
dom 23-10-2016	17:24	17:57	04:05	04:39	XZ Lac	dom 10:48	211	13	dom 12:18	222	23	dom 13:48	232	35	263	
lun 24-10-2016	17:22	17:56	04:07	04:40	XZ Lac	lun 01:55	134	27	lun 03:25	145	17	lun 04:55	157	9	261	
						lun 17:03	243	66	lun 18:33	229	80	lun 20:03	133	80	260	
mar 25-10-2016	17:21	17:54	04:08	04:41	XZ Lac	mar 08:10	189	4	mar 09:40	202	8	mar 11:10	215	16	258	
mer 26-10-2016	17:20	17:53	04:09	04:42	XZ Lac	mer 14:25	236	42	mer 15:55	242	56	mer 17:25	242	71	255	
gio 27-10-2016	17:18	17:51	04:10	04:43	XZ Lac	gio 05:33	165	6	gio 07:03	179	3	gio 08:33	193	5	254	
						gio 20:40	119	73	gio 22:10	117	58	gio 23:40	123	44	252	
ven 28-10-2016	17:17	17:50	04:11	04:44	XZ Lac	ven 11:48	221	22	ven 13:18	231	34	ven 14:48	238	47	250	
sab 29-10-2016	17:16	17:49	04:12	04:46	XZ Lac	sab 02:55	143	18	sab 04:25	156	9	sab 05:55	169	4	249	
						sab 18:03	233	78	sab 19:33	140	82	sab 21:03	117	68	247	
dom 30-10-2016	17:14	17:48	04:14	04:47	XZ Lac	dom 09:10	201	8	dom 10:40	214	15	dom 12:10	225	26	245	
lun 31-10-2016	17:13	17:46	04:15	04:48	XZ Lac	lun 15:25	241	55	lun 16:55	243	69	lun 18:25	215	82	242	
mar 01-11-2016	17:12	17:45	04:16	04:49	XZ Lac	mar 06:32	177	3	mar 08:02	192	5	mar 09:32	205	10	240	
						mar 21:40	117	60	mar 23:10	122	46	mer 00:40	130	33	238	
mer 02-11-2016	17:11	17:44	04:17	04:50	XZ Lac	mer 12:47	230	32	mer 14:17	238	45	mer 15:47	243	60	236	
gio 03-11-2016	17:10	17:43	04:18	04:52	XZ Lac	gio 03:55	154	10	gio 05:25	168	5	gio 06:55	182	3	234	
						gio 19:02	150	83	gio 20:32	118	70	gio 22:02	118	55	232	
ven 04-11-2016	17:08	17:42	04:19	04:53	XZ Lac	ven 10:10	212	14	ven 11:40	223	24	ven 13:10	233	36	230	
sab 05-11-2016	17:07	17:41	04:20	04:54	XZ Lac	sab 01:17	135	26	sab 02:47	146	16	sab 04:17	158	8	228	
						sab 16:25	243	67	sab 17:55	223	81	sab 19:25	129	79	226	
dom 06-11-2016	17:06	17:40	04:22	04:55	XZ Lac	dom 07:32	190	4	dom 09:02	204	9	dom 10:32	216	17	224	