

LIVORNO

GENNAIO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	6:19	6:54	7:52	9:21	10:07	10:21	10:52	12:22	12:45	15:00	15:56	16:34	16:52	17:34	18:04	1
2	6:19	6:54	7:52	9:21	10:07	10:22	10:52	12:23	12:45	15:00	15:57	16:35	16:53	17:35	18:05	2
3	6:20	6:54	7:52	9:21	10:08	10:22	10:53	12:23	12:46	15:01	15:58	16:36	16:54	17:36	18:06	3
4	6:20	6:54	7:52	9:22	10:08	10:22	10:53	12:24	12:46	15:02	15:58	16:37	16:55	17:37	18:07	4
5	6:20	6:54	7:52	9:22	10:08	10:23	10:53	12:24	12:47	15:03	15:59	16:38	16:56	17:38	18:08	5
6	6:20	6:54	7:52	9:22	10:08	10:23	10:54	12:24	12:47	15:03	16:00	16:39	16:57	17:39	18:09	6
7	6:20	6:54	7:52	9:22	10:08	10:23	10:54	12:25	12:48	15:04	16:01	16:40	16:58	17:40	18:10	7
8	6:20	6:54	7:52	9:23	10:08	10:23	10:54	12:25	12:48	15:05	16:02	16:41	16:59	17:41	18:11	8
9	6:20	6:54	7:51	9:23	10:09	10:24	10:54	12:26	12:49	15:06	16:03	16:42	17:00	17:42	18:12	9
10	6:20	6:54	7:51	9:23	10:09	10:24	10:54	12:26	12:49	15:07	16:04	16:43	17:01	17:43	18:13	10
11	6:19	6:54	7:51	9:23	10:09	10:24	10:55	12:27	12:50	15:07	16:05	16:44	17:02	17:44	18:14	11
12	6:19	6:53	7:50	9:23	10:09	10:24	10:55	12:27	12:50	15:08	16:06	16:46	17:04	17:46	18:16	12
13	6:19	6:53	7:50	9:23	10:09	10:25	10:55	12:27	12:50	15:09	16:07	16:47	17:05	17:47	18:17	13
14	6:19	6:53	7:50	9:23	10:09	10:25	10:55	12:28	12:51	15:10	16:08	16:48	17:06	17:48	18:18	14
15	6:18	6:52	7:49	9:23	10:09	10:25	10:55	12:28	12:51	15:11	16:09	16:49	17:07	17:49	18:19	15
16	6:18	6:52	7:49	9:23	10:09	10:25	10:55	12:28	12:52	15:12	16:10	16:50	17:08	17:50	18:20	16
17	6:18	6:52	7:48	9:23	10:08	10:25	10:55	12:29	12:52	15:13	16:11	16:51	17:09	17:51	18:21	17
18	6:17	6:51	7:48	9:23	10:08	10:25	10:55	12:29	12:53	15:13	16:12	16:53	17:11	17:53	18:23	18
19	6:17	6:51	7:47	9:23	10:08	10:25	10:55	12:29	12:53	15:14	16:13	16:54	17:12	17:54	18:24	19
20	6:16	6:50	7:46	9:23	10:08	10:25	10:55	12:30	12:53	15:15	16:14	16:55	17:13	17:55	18:25	20
21	6:16	6:50	7:46	9:23	10:08	10:25	10:55	12:30	12:54	15:16	16:15	16:57	17:15	17:57	18:27	21
22	6:15	6:49	7:45	9:23	10:08	10:25	10:55	12:30	12:54	15:17	16:16	16:58	17:16	17:58	18:28	22
23	6:15	6:48	7:44	9:23	10:07	10:25	10:55	12:31	12:55	15:18	16:17	16:59	17:17	17:59	18:29	23
24	6:14	6:48	7:43	9:23	10:07	10:25	10:55	12:31	12:55	15:19	16:19	17:00	17:18	18:00	18:30	24
25	6:13	6:47	7:43	9:22	10:07	10:25	10:55	12:31	12:55	15:20	16:20	17:02	17:20	18:02	18:32	25
26	6:13	6:46	7:42	9:22	10:07	10:25	10:55	12:31	12:56	15:20	16:21	17:03	17:21	18:03	18:33	26
27	6:12	6:46	7:41	9:22	10:06	10:25	10:55	12:32	12:56	15:21	16:22	17:04	17:22	18:04	18:34	27
28	6:11	6:45	7:40	9:22	10:06	10:25	10:54	12:32	12:56	15:22	16:23	17:06	17:24	18:06	18:36	28
29	6:11	6:44	7:39	9:21	10:05	10:25	10:54	12:32	12:56	15:23	16:24	17:07	17:25	18:07	18:37	29
30	6:10	6:43	7:38	9:21	10:05	10:25	10:54	12:32	12:57	15:24	16:25	17:08	17:26	18:08	18:38	30
31	6:09	6:42	7:37	9:21	10:05	10:25	10:54	12:32	12:57	15:25	16:26	17:10	17:28	18:10	18:40	31

LIVORNO

FEBBRAIO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	6:08	6:41	7:36	9:20	10:04	10:24	10:54	12:33	12:57	15:26	16:27	17:11	17:29	18:11	18:41	1
2	6:07	6:40	7:35	9:20	10:04	10:24	10:53	12:33	12:57	15:26	16:28	17:13	17:31	18:13	18:43	2
3	6:06	6:39	7:34	9:19	10:03	10:24	10:53	12:33	12:58	15:27	16:30	17:14	17:32	18:14	18:44	3
4	6:05	6:38	7:32	9:19	10:03	10:24	10:53	12:33	12:58	15:28	16:31	17:15	17:33	18:15	18:45	4
5	6:04	6:37	7:31	9:19	10:02	10:23	10:52	12:33	12:58	15:29	16:32	17:17	17:35	18:17	18:47	5
6	6:03	6:36	7:30	9:18	10:02	10:23	10:52	12:33	12:58	15:30	16:33	17:18	17:36	18:18	18:48	6
7	6:02	6:35	7:29	9:18	10:01	10:23	10:52	12:33	12:58	15:31	16:34	17:19	17:37	18:19	18:49	7
8	6:01	6:34	7:28	9:17	10:00	10:22	10:51	12:33	12:59	15:31	16:35	17:21	17:39	18:21	18:51	8
9	6:00	6:33	7:26	9:17	10:00	10:22	10:51	12:33	12:59	15:32	16:36	17:22	17:40	18:22	18:52	9
10	5:59	6:32	7:25	9:16	9:59	10:22	10:51	12:33	12:59	15:33	16:37	17:23	17:41	18:23	18:53	10
11	5:58	6:30	7:24	9:15	9:58	10:21	10:50	12:33	12:59	15:34	16:38	17:25	17:43	18:25	18:55	11
12	5:56	6:29	7:22	9:15	9:58	10:21	10:50	12:33	12:59	15:35	16:39	17:26	17:44	18:26	18:56	12
13	5:55	6:28	7:21	9:14	9:57	10:21	10:49	12:33	12:59	15:35	16:40	17:28	17:46	18:28	18:58	13
14	5:54	6:27	7:20	9:14	9:56	10:20	10:49	12:33	12:59	15:36	16:42	17:29	17:47	18:29	18:59	14
15	5:53	6:25	7:18	9:13	9:56	10:20	10:48	12:33	12:59	15:37	16:43	17:30	17:48	18:30	19:00	15
16	5:51	6:24	7:17	9:12	9:55	10:19	10:48	12:33	13:00	15:38	16:44	17:32	17:50	18:32	19:02	16
17	5:50	6:23	7:15	9:12	9:54	10:19	10:47	12:33	13:00	15:38	16:45	17:33	17:51	18:33	19:03	17
18	5:49	6:21	7:14	9:11	9:53	10:18	10:47	12:33	13:00	15:39	16:46	17:34	17:52	18:34	19:04	18
19	5:47	6:20	7:12	9:10	9:53	10:18	10:46	12:33	13:00	15:40	16:47	17:36	17:54	18:36	19:06	19
20	5:46	6:18	7:11	9:09	9:52	10:17	10:45	12:33	13:00	15:41	16:48	17:37	17:55	18:37	19:07	20
21	5:44	6:17	7:09	9:09	9:51	10:17	10:45	12:33	13:00	15:41	16:49	17:38	17:56	18:38	19:08	21
22	5:43	6:15	7:08	9:08	9:50	10:16	10:44	12:33	13:00	15:42	16:50	17:40	17:58	18:40	19:10	22
23	5:41	6:14	7:06	9:07	9:49	10:15	10:44	12:32	13:00	15:43	16:51	17:41	17:59	18:41	19:11	23
24	5:40	6:12	7:05	9:06	9:48	10:15	10:43	12:32	13:00	15:44	16:52	17:42	18:00	18:42	19:12	24
25	5:38	6:11	7:03	9:05	9:48	10:14	10:42	12:32	13:00	15:44	16:53	17:43	18:01	18:43	19:13	25
26	5:37	6:09	7:01	9:04	9:47	10:14	10:42	12:32	13:00	15:45	16:54	17:45	18:03	18:45	19:15	26
27	5:35	6:08	7:00	9:04	9:46	10:13	10:41	12:32	13:00	15:46	16:55	17:46	18:04	18:46	19:16	27
28	5:34	6:06	6:58	9:03	9:45	10:12	10:40	12:32	13:00	15:46	16:56	17:47	18:05	18:47	19:17	28
29	5:32	6:04	6:56	9:02	9:44	10:12	10:40	12:32	12:59	15:47	16:57	17:49	18:07	18:49	19:19	29

LIVORNO

MARZO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	5:30	6:03	6:55	9:01	9:43	10:11	10:39	12:31	12:59	15:48	16:58	17:50	18:08	18:50	19:20	1
2	5:29	6:01	6:53	9:00	9:42	10:10	10:38	12:31	12:59	15:48	16:59	17:51	18:09	18:51	19:21	2
3	5:27	6:00	6:51	8:59	9:41	10:10	10:38	12:31	12:59	15:49	17:00	17:52	18:10	18:52	19:22	3
4	5:25	5:58	6:50	8:58	9:40	10:09	10:37	12:31	12:59	15:50	17:01	17:54	18:12	18:54	19:24	4
5	5:24	5:56	6:48	8:57	9:39	10:08	10:36	12:30	12:59	15:50	17:02	17:55	18:13	18:55	19:25	5
6	5:22	5:55	6:46	8:56	9:38	10:08	10:36	12:30	12:59	15:51	17:03	17:56	18:14	18:56	19:26	6
7	5:20	5:53	6:45	8:55	9:37	10:07	10:35	12:30	12:59	15:52	17:03	17:57	18:15	18:57	19:27	7
8	5:18	5:51	6:43	8:54	9:36	10:06	10:34	12:30	12:59	15:52	17:04	17:59	18:17	18:59	19:29	8
9	5:17	5:49	6:41	8:53	9:35	10:05	10:33	12:29	12:59	15:53	17:05	18:00	18:18	19:00	19:30	9
10	5:15	5:48	6:39	8:52	9:34	10:04	10:33	12:29	12:58	15:53	17:06	18:01	18:19	19:01	19:31	10
11	5:13	5:46	6:38	8:51	9:33	10:04	10:32	12:29	12:58	15:54	17:07	18:02	18:20	19:02	19:32	11
12	5:11	5:44	6:36	8:50	9:32	10:03	10:31	12:29	12:58	15:55	17:08	18:04	18:22	19:04	19:34	12
13	5:09	5:42	6:34	8:49	9:31	10:02	10:30	12:28	12:58	15:55	17:09	18:05	18:23	19:05	19:35	13
14	5:08	5:41	6:32	8:48	9:30	10:01	10:30	12:28	12:58	15:56	17:10	18:06	18:24	19:06	19:36	14
15	5:06	5:39	6:30	8:47	9:29	10:01	10:29	12:28	12:58	15:56	17:11	18:07	18:25	19:07	19:37	15
16	5:04	5:37	6:29	8:46	9:28	10:00	10:28	12:28	12:58	15:57	17:12	18:09	18:27	19:09	19:39	16
17	5:02	5:35	6:27	8:45	9:27	9:59	10:27	12:27	12:57	15:58	17:13	18:10	18:28	19:10	19:40	17
18	5:00	5:33	6:25	8:44	9:26	9:58	10:26	12:27	12:57	15:58	17:14	18:11	18:29	19:11	19:41	18
19	4:58	5:31	6:23	8:42	9:25	9:57	10:26	12:27	12:57	15:59	17:14	18:12	18:30	19:12	19:42	19
20	4:56	5:30	6:21	8:41	9:24	9:56	10:25	12:26	12:57	15:59	17:15	18:13	18:31	19:13	19:43	20
21	4:54	5:28	6:20	8:40	9:23	9:56	10:24	12:26	12:57	16:00	17:16	18:15	18:33	19:15	19:45	21
22	4:52	5:26	6:18	8:39	9:22	9:55	10:23	12:26	12:57	16:00	17:17	18:16	18:34	19:16	19:46	22
23	4:50	5:24	6:16	8:38	9:21	9:54	10:22	12:26	12:56	16:01	17:18	18:17	18:35	19:17	19:47	23
24	4:48	5:22	6:14	8:37	9:20	9:53	10:22	12:25	12:56	16:02	17:19	18:18	18:36	19:18	19:48	24
25	4:46	5:20	6:12	8:36	9:19	9:52	10:21	12:25	12:56	16:02	17:20	18:19	18:37	19:19	19:49	25
26	4:45	5:18	6:11	8:35	9:18	9:51	10:20	12:25	12:56	16:03	17:21	18:21	18:39	19:21	19:51	26
27	4:43	5:17	6:09	8:34	9:17	9:51	10:19	12:24	12:56	16:03	17:22	18:22	18:40	19:22	19:52	27
28	4:41	5:15	6:07	8:32	9:16	9:50	10:18	12:24	12:55	16:04	17:22	18:23	18:41	19:23	19:53	28
29	4:39	5:13	6:05	8:31	9:15	9:49	10:18	12:24	12:55	16:04	17:23	18:24	18:42	19:24	19:54	29
30	4:37	5:11	6:04	8:30	9:13	9:48	10:17	12:23	12:55	16:05	17:24	18:25	18:43	19:25	19:55	30
31	4:35	5:09	6:02	8:29	9:12	9:47	10:16	12:23	12:55	16:06	17:25	18:27	18:45	19:27	19:57	31

LIVORNO

APRILE

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	4:33	5:07	6:00	8:28	9:11	9:46	10:15	12:23	12:55	16:06	17:26	18:28	18:46	19:28	19:58	1
2	4:31	5:05	5:58	8:27	9:10	9:45	10:14	12:23	12:55	16:07	17:27	18:29	18:47	19:29	19:59	2
3	4:29	5:03	5:56	8:25	9:09	9:44	10:14	12:22	12:54	16:07	17:28	18:30	18:48	19:30	20:00	3
4	4:26	5:01	5:55	8:24	9:08	9:44	10:13	12:22	12:54	16:08	17:29	18:31	18:49	19:31	20:01	4
5	4:24	5:00	5:53	8:23	9:07	9:43	10:12	12:22	12:54	16:08	17:30	18:33	18:51	19:33	20:03	5
6	4:22	4:58	5:51	8:22	9:06	9:42	10:11	12:21	12:54	16:09	17:30	18:34	18:52	19:34	20:04	6
7	4:20	4:56	5:49	8:21	9:05	9:41	10:11	12:21	12:54	16:10	17:31	18:35	18:53	19:35	20:05	7
8	4:18	4:54	5:48	8:20	9:04	9:40	10:10	12:21	12:54	16:10	17:32	18:36	18:54	19:36	20:06	8
9	4:16	4:52	5:46	8:19	9:03	9:39	10:09	12:21	12:53	16:11	17:33	18:37	18:55	19:37	20:07	9
10	4:14	4:50	5:44	8:17	9:02	9:38	10:08	12:20	12:53	16:11	17:34	18:38	18:56	19:38	20:08	10
11	4:12	4:48	5:42	8:16	9:01	9:38	10:08	12:20	12:53	16:12	17:35	18:40	18:58	19:40	20:10	11
12	4:10	4:46	5:41	8:15	9:00	9:37	10:07	12:20	12:53	16:13	17:36	18:41	18:59	19:41	20:11	12
13	4:08	4:45	5:39	8:14	8:59	9:36	10:06	12:20	12:53	16:13	17:37	18:42	19:00	19:42	20:12	13
14	4:06	4:43	5:37	8:13	8:58	9:35	10:05	12:19	12:53	16:14	17:37	18:43	19:01	19:43	20:13	14
15	4:04	4:41	5:36	8:12	8:57	9:34	10:05	12:19	12:53	16:14	17:38	18:44	19:02	19:44	20:14	15
16	4:02	4:39	5:34	8:11	8:56	9:33	10:04	12:19	12:53	16:15	17:39	18:46	19:04	19:46	20:16	16
17	4:00	4:37	5:32	8:09	8:56	9:33	10:03	12:19	12:52	16:16	17:40	18:47	19:05	19:47	20:17	17
18	3:58	4:35	5:31	8:08	8:55	9:32	10:03	12:18	12:52	16:16	17:41	18:48	19:06	19:48	20:18	18
19	3:56	4:34	5:29	8:07	8:54	9:31	10:02	12:18	12:52	16:17	17:42	18:49	19:07	19:49	20:19	19
20	3:54	4:32	5:28	8:06	8:53	9:30	10:01	12:18	12:52	16:17	17:43	18:50	19:08	19:50	20:20	20
21	3:52	4:30	5:26	8:05	8:52	9:29	10:00	12:18	12:52	16:18	17:44	18:52	19:10	19:52	20:22	21
22	3:50	4:28	5:24	8:04	8:51	9:29	10:00	12:18	12:52	16:19	17:45	18:53	19:11	19:53	20:23	22
23	3:48	4:27	5:23	8:03	8:50	9:28	9:59	12:17	12:52	16:19	17:46	18:54	19:12	19:54	20:24	23
24	3:46	4:25	5:21	8:02	8:49	9:27	9:59	12:17	12:52	16:20	17:46	18:55	19:13	19:55	20:25	24
25	3:44	4:23	5:20	8:01	8:48	9:26	9:58	12:17	12:52	16:20	17:47	18:56	19:14	19:56	20:26	25
26	3:42	4:21	5:18	8:00	8:48	9:25	9:57	12:17	12:52	16:21	17:48	18:57	19:15	19:57	20:27	26
27	3:40	4:20	5:17	7:59	8:47	9:25	9:57	12:17	12:52	16:22	17:49	18:59	19:17	19:59	20:29	27
28	3:38	4:18	5:15	7:57	8:46	9:24	9:56	12:17	12:52	16:22	17:50	19:00	19:18	20:00	20:30	28
29	3:36	4:16	5:14	7:56	8:45	9:23	9:56	12:16	12:52	16:23	17:51	19:01	19:19	20:01	20:31	29
30	3:34	4:15	5:12	7:55	8:44	9:22	9:55	12:16	12:52	16:24	17:52	19:02	19:20	20:02	20:32	30

LIVORNO

MAGGIO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	3:32	4:13	5:11	7:54	8:44	9:22	9:54	12:16	12:52	16:24	17:53	19:03	19:21	20:03	20:33	1
2	3:30	4:11	5:10	7:53	8:43	9:21	9:54	12:16	12:52	16:25	17:54	19:04	19:22	20:04	20:34	2
3	3:29	4:10	5:08	7:52	8:42	9:20	9:53	12:16	12:52	16:25	17:55	19:06	19:24	20:06	20:36	3
4	3:27	4:08	5:07	7:51	8:41	9:20	9:53	12:16	12:52	16:26	17:55	19:07	19:25	20:07	20:37	4
5	3:25	4:06	5:06	7:50	8:41	9:19	9:52	12:16	12:52	16:27	17:56	19:08	19:26	20:08	20:38	5
6	3:23	4:05	5:04	7:49	8:40	9:18	9:52	12:16	12:52	16:27	17:57	19:09	19:27	20:09	20:39	6
7	3:21	4:03	5:03	7:49	8:39	9:18	9:51	12:16	12:52	16:28	17:58	19:10	19:28	20:10	20:40	7
8	3:19	4:02	5:02	7:48	8:39	9:17	9:51	12:16	12:52	16:29	17:59	19:11	19:29	20:11	20:41	8
9	3:18	4:00	5:01	7:47	8:38	9:16	9:51	12:16	12:52	16:29	18:00	19:13	19:31	20:13	20:43	9
10	3:16	3:59	4:59	7:46	8:37	9:16	9:50	12:15	12:52	16:30	18:01	19:14	19:32	20:14	20:44	10
11	3:14	3:57	4:58	7:45	8:37	9:15	9:50	12:15	12:52	16:31	18:02	19:15	19:33	20:15	20:45	11
12	3:12	3:56	4:57	7:44	8:36	9:15	9:49	12:15	12:52	16:31	18:03	19:16	19:34	20:16	20:46	12
13	3:11	3:55	4:56	7:43	8:36	9:14	9:49	12:15	12:52	16:32	18:03	19:17	19:35	20:17	20:47	13
14	3:09	3:53	4:55	7:42	8:35	9:13	9:49	12:15	12:52	16:32	18:04	19:18	19:36	20:18	20:48	14
15	3:07	3:52	4:54	7:42	8:35	9:13	9:48	12:15	12:52	16:33	18:05	19:19	19:37	20:19	20:49	15
16	3:06	3:51	4:53	7:41	8:34	9:12	9:48	12:15	12:52	16:34	18:06	19:20	19:38	20:20	20:50	16
17	3:04	3:49	4:52	7:40	8:34	9:12	9:48	12:15	12:52	16:34	18:07	19:21	19:39	20:21	20:51	17
18	3:03	3:48	4:51	7:39	8:33	9:11	9:47	12:15	12:53	16:35	18:08	19:22	19:40	20:22	20:52	18
19	3:01	3:47	4:50	7:38	8:33	9:11	9:47	12:16	12:53	16:36	18:08	19:23	19:41	20:23	20:53	19
20	3:00	3:46	4:49	7:38	8:32	9:10	9:47	12:16	12:53	16:36	18:09	19:24	19:42	20:24	20:54	20
21	2:58	3:45	4:48	7:37	8:32	9:10	9:46	12:16	12:53	16:37	18:10	19:25	19:43	20:25	20:55	21
22	2:57	3:44	4:47	7:36	8:31	9:10	9:46	12:16	12:53	16:37	18:11	19:26	19:44	20:26	20:56	22
23	2:55	3:42	4:46	7:36	8:31	9:09	9:46	12:16	12:53	16:38	18:12	19:27	19:45	20:27	20:57	23
24	2:54	3:41	4:45	7:35	8:31	9:09	9:46	12:16	12:53	16:39	18:12	19:28	19:46	20:28	20:58	24
25	2:53	3:40	4:45	7:34	8:30	9:08	9:46	12:16	12:54	16:39	18:13	19:29	19:47	20:29	20:59	25
26	2:51	3:39	4:44	7:34	8:30	9:08	9:45	12:16	12:54	16:40	18:14	19:30	19:48	20:30	21:00	26
27	2:50	3:39	4:43	7:33	8:30	9:08	9:45	12:16	12:54	16:40	18:15	19:31	19:49	20:31	21:01	27
28	2:49	3:38	4:43	7:33	8:29	9:07	9:45	12:16	12:54	16:41	18:15	19:32	19:50	20:32	21:02	28
29	2:48	3:37	4:42	7:32	8:29	9:07	9:45	12:16	12:54	16:42	18:16	19:33	19:51	20:33	21:03	29
30	2:47	3:36	4:41	7:32	8:29	9:07	9:45	12:17	12:54	16:42	18:17	19:34	19:52	20:34	21:04	30
31	2:46	3:35	4:41	7:31	8:29	9:06	9:45	12:17	12:55	16:43	18:18	19:35	19:53	20:35	21:05	31

LIVORNO

GIUGNO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	2:45	3:35	4:40	7:31	8:29	9:06	9:45	12:17	12:55	16:43	18:18	19:35	19:53	20:35	21:05	1
2	2:44	3:34	4:40	7:30	8:28	9:06	9:45	12:17	12:55	16:44	18:19	19:36	19:54	20:36	21:06	2
3	2:43	3:33	4:39	7:30	8:28	9:06	9:45	12:17	12:55	16:44	18:20	19:37	19:55	20:37	21:07	3
4	2:42	3:33	4:39	7:30	8:28	9:06	9:45	12:17	12:56	16:45	18:20	19:38	19:56	20:38	21:08	4
5	2:41	3:32	4:39	7:29	8:28	9:05	9:45	12:17	12:56	16:45	18:21	19:38	19:56	20:38	21:08	5
6	2:40	3:32	4:38	7:29	8:28	9:05	9:45	12:18	12:56	16:46	18:21	19:39	19:57	20:39	21:09	6
7	2:40	3:31	4:38	7:29	8:28	9:05	9:45	12:18	12:56	16:46	18:22	19:40	19:58	20:40	21:10	7
8	2:39	3:31	4:38	7:29	8:28	9:05	9:45	12:18	12:56	16:46	18:22	19:40	19:58	20:40	21:10	8
9	2:38	3:30	4:38	7:28	8:28	9:05	9:45	12:18	12:57	16:47	18:23	19:41	19:59	20:41	21:11	9
10	2:38	3:30	4:37	7:28	8:28	9:05	9:45	12:18	12:57	16:47	18:23	19:41	19:59	20:41	21:11	10
11	2:37	3:30	4:37	7:28	8:28	9:05	9:45	12:19	12:57	16:48	18:24	19:42	20:00	20:42	21:12	11
12	2:37	3:30	4:37	7:28	8:28	9:05	9:45	12:19	12:57	16:48	18:24	19:42	20:00	20:42	21:12	12
13	2:37	3:29	4:37	7:28	8:28	9:05	9:45	12:19	12:57	16:48	18:25	19:43	20:01	20:43	21:13	13
14	2:37	3:29	4:37	7:28	8:28	9:05	9:45	12:19	12:58	16:49	18:25	19:43	20:01	20:43	21:13	14
15	2:36	3:29	4:37	7:28	8:28	9:05	9:45	12:19	12:58	16:49	18:25	19:44	20:02	20:44	21:14	15
16	2:36	3:29	4:37	7:28	8:28	9:05	9:45	12:20	12:58	16:49	18:26	19:44	20:02	20:44	21:14	16
17	2:36	3:29	4:37	7:28	8:28	9:05	9:46	12:20	12:58	16:50	18:26	19:45	20:03	20:45	21:15	17
18	2:36	3:29	4:37	7:28	8:29	9:05	9:46	12:20	12:59	16:50	18:26	19:45	20:03	20:45	21:15	18
19	2:36	3:29	4:37	7:28	8:29	9:06	9:46	12:20	12:59	16:50	18:27	19:45	20:03	20:45	21:15	19
20	2:36	3:29	4:37	7:28	8:29	9:06	9:46	12:20	12:59	16:50	18:27	19:45	20:03	20:45	21:15	20
21	2:37	3:30	4:38	7:29	8:29	9:06	9:46	12:21	12:59	16:51	18:27	19:46	20:04	20:46	21:16	21
22	2:37	3:30	4:38	7:29	8:29	9:06	9:47	12:21	12:59	16:51	18:27	19:46	20:04	20:46	21:16	22
23	2:37	3:30	4:38	7:29	8:30	9:06	9:47	12:21	13:00	16:51	18:27	19:46	20:04	20:46	21:16	23
24	2:37	3:31	4:39	7:29	8:30	9:07	9:47	12:21	13:00	16:51	18:28	19:46	20:04	20:46	21:16	24
25	2:38	3:31	4:39	7:30	8:30	9:07	9:47	12:21	13:00	16:51	18:28	19:46	20:04	20:46	21:16	25
26	2:38	3:31	4:39	7:30	8:30	9:07	9:47	12:22	13:00	16:51	18:28	19:46	20:04	20:46	21:16	26
27	2:39	3:32	4:40	7:30	8:31	9:07	9:48	12:22	13:00	16:51	18:28	19:46	20:04	20:46	21:16	27
28	2:40	3:32	4:40	7:31	8:31	9:08	9:48	12:22	13:01	16:51	18:28	19:46	20:04	20:46	21:16	28
29	2:40	3:33	4:41	7:31	8:31	9:08	9:48	12:22	13:01	16:52	18:28	19:46	20:04	20:46	21:16	29
30	2:41	3:34	4:41	7:32	8:32	9:09	9:49	12:22	13:01	16:52	18:28	19:46	20:04	20:46	21:16	30

LIVORNO

LUGLIO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	2:42	3:34	4:42	7:32	8:32	9:09	9:49	12:23	13:01	16:51	18:28	19:46	20:04	20:46	21:16	1
2	2:43	3:35	4:42	7:33	8:32	9:09	9:49	12:23	13:01	16:51	18:27	19:45	20:03	20:45	21:15	2
3	2:44	3:36	4:43	7:33	8:33	9:10	9:50	12:23	13:01	16:51	18:27	19:45	20:03	20:45	21:15	3
4	2:45	3:36	4:43	7:34	8:33	9:10	9:50	12:23	13:01	16:51	18:27	19:45	20:03	20:45	21:15	4
5	2:46	3:37	4:44	7:34	8:34	9:11	9:50	12:23	13:02	16:51	18:27	19:45	20:03	20:45	21:15	5
6	2:47	3:38	4:45	7:35	8:34	9:11	9:50	12:23	13:02	16:51	18:27	19:44	20:02	20:44	21:14	6
7	2:48	3:39	4:45	7:36	8:34	9:11	9:51	12:24	13:02	16:51	18:26	19:44	20:02	20:44	21:14	7
8	2:49	3:40	4:46	7:36	8:35	9:12	9:51	12:24	13:02	16:51	18:26	19:43	20:01	20:43	21:13	8
9	2:50	3:41	4:47	7:37	8:35	9:12	9:51	12:24	13:02	16:50	18:26	19:43	20:01	20:43	21:13	9
10	2:51	3:41	4:48	7:37	8:36	9:13	9:52	12:24	13:02	16:50	18:25	19:42	20:00	20:42	21:12	10
11	2:52	3:42	4:48	7:38	8:36	9:13	9:52	12:24	13:02	16:50	18:25	19:42	20:00	20:42	21:12	11
12	2:54	3:43	4:49	7:39	8:37	9:14	9:53	12:24	13:02	16:50	18:25	19:41	19:59	20:41	21:11	12
13	2:55	3:45	4:50	7:40	8:37	9:14	9:53	12:24	13:02	16:49	18:24	19:41	19:59	20:41	21:11	13
14	2:56	3:46	4:51	7:40	8:38	9:15	9:53	12:24	13:02	16:49	18:24	19:40	19:58	20:40	21:10	14
15	2:58	3:47	4:52	7:41	8:38	9:15	9:54	12:25	13:02	16:49	18:23	19:39	19:57	20:39	21:09	15
16	2:59	3:48	4:52	7:42	8:39	9:16	9:54	12:25	13:02	16:48	18:23	19:39	19:57	20:39	21:09	16
17	3:01	3:49	4:53	7:43	8:39	9:16	9:54	12:25	13:02	16:48	18:22	19:38	19:56	20:38	21:08	17
18	3:02	3:50	4:54	7:43	8:40	9:17	9:55	12:25	13:02	16:48	18:21	19:37	19:55	20:37	21:07	18
19	3:04	3:51	4:55	7:44	8:40	9:18	9:55	12:25	13:02	16:47	18:21	19:36	19:54	20:36	21:06	19
20	3:05	3:52	4:56	7:45	8:41	9:18	9:55	12:25	13:02	16:47	18:20	19:36	19:54	20:36	21:06	20
21	3:07	3:54	4:57	7:46	8:41	9:19	9:56	12:25	13:02	16:46	18:19	19:35	19:53	20:35	21:05	21
22	3:08	3:55	4:58	7:46	8:42	9:19	9:56	12:25	13:02	16:46	18:19	19:34	19:52	20:34	21:04	22
23	3:10	3:56	4:59	7:47	8:42	9:20	9:56	12:25	13:02	16:45	18:18	19:33	19:51	20:33	21:03	23
24	3:11	3:57	5:00	7:48	8:43	9:20	9:57	12:25	13:02	16:44	18:17	19:32	19:50	20:32	21:02	24
25	3:13	3:59	5:01	7:49	8:43	9:21	9:57	12:25	13:02	16:44	18:16	19:31	19:49	20:31	21:01	25
26	3:14	4:00	5:02	7:50	8:44	9:21	9:57	12:25	13:02	16:43	18:16	19:30	19:48	20:30	21:00	26
27	3:16	4:01	5:03	7:50	8:44	9:22	9:58	12:25	13:02	16:43	18:15	19:29	19:47	20:29	20:59	27
28	3:18	4:02	5:04	7:51	8:45	9:22	9:58	12:25	13:02	16:42	18:14	19:28	19:46	20:28	20:58	28
29	3:19	4:04	5:05	7:52	8:45	9:23	9:58	12:25	13:02	16:41	18:13	19:27	19:45	20:27	20:57	29
30	3:21	4:05	5:06	7:53	8:46	9:23	9:59	12:25	13:01	16:41	18:12	19:25	19:43	20:25	20:55	30
31	3:23	4:06	5:07	7:54	8:46	9:24	9:59	12:25	13:01	16:40	18:11	19:24	19:42	20:24	20:54	31

LIVORNO

AGOSTO

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	3:24	4:08	5:08	7:54	8:47	9:24	9:59	12:25	13:01	16:39	18:10	19:23	19:41	20:23	20:53	1
2	3:26	4:09	5:09	7:55	8:47	9:25	10:00	12:25	13:01	16:38	18:09	19:22	19:40	20:22	20:52	2
3	3:27	4:10	5:11	7:56	8:48	9:25	10:00	12:25	13:01	16:38	18:08	19:21	19:39	20:21	20:51	3
4	3:29	4:12	5:12	7:57	8:48	9:26	10:00	12:24	13:01	16:37	18:07	19:19	19:37	20:19	20:49	4
5	3:31	4:13	5:13	7:57	8:49	9:26	10:00	12:24	13:00	16:36	18:06	19:18	19:36	20:18	20:48	5
6	3:32	4:14	5:14	7:58	8:49	9:27	10:01	12:24	13:00	16:35	18:05	19:17	19:35	20:17	20:47	6
7	3:34	4:16	5:15	7:59	8:50	9:27	10:01	12:24	13:00	16:34	18:04	19:15	19:33	20:15	20:45	7
8	3:36	4:17	5:16	8:00	8:50	9:28	10:01	12:24	13:00	16:34	18:03	19:14	19:32	20:14	20:44	8
9	3:37	4:18	5:17	8:00	8:50	9:28	10:02	12:24	12:59	16:33	18:02	19:13	19:31	20:13	20:43	9
10	3:39	4:20	5:18	8:01	8:51	9:29	10:02	12:24	12:59	16:32	18:00	19:11	19:29	20:11	20:41	10
11	3:41	4:21	5:19	8:02	8:51	9:29	10:02	12:23	12:59	16:31	17:59	19:10	19:28	20:10	20:40	11
12	3:42	4:22	5:20	8:03	8:52	9:29	10:02	12:23	12:59	16:30	17:58	19:08	19:26	20:08	20:38	12
13	3:44	4:24	5:22	8:03	8:52	9:30	10:03	12:23	12:58	16:29	17:57	19:07	19:25	20:07	20:37	13
14	3:45	4:25	5:23	8:04	8:53	9:30	10:03	12:23	12:58	16:28	17:56	19:05	19:23	20:05	20:35	14
15	3:47	4:26	5:24	8:05	8:53	9:31	10:03	12:23	12:58	16:27	17:54	19:04	19:22	20:04	20:34	15
16	3:49	4:28	5:25	8:05	8:54	9:31	10:03	12:23	12:57	16:26	17:53	19:02	19:20	20:02	20:32	16
17	3:50	4:29	5:26	8:06	8:54	9:31	10:04	12:22	12:57	16:25	17:52	19:01	19:19	20:01	20:31	17
18	3:52	4:30	5:27	8:07	8:55	9:32	10:04	12:22	12:57	16:24	17:51	18:59	19:17	19:59	20:29	18
19	3:53	4:32	5:28	8:07	8:55	9:32	10:04	12:22	12:56	16:23	17:49	18:57	19:15	19:57	20:27	19
20	3:55	4:33	5:29	8:08	8:56	9:33	10:04	12:22	12:56	16:22	17:48	18:56	19:14	19:56	20:26	20
21	3:56	4:34	5:31	8:09	8:56	9:33	10:04	12:21	12:56	16:21	17:47	18:54	19:12	19:54	20:24	21
22	3:58	4:36	5:32	8:09	8:56	9:33	10:05	12:21	12:55	16:20	17:45	18:53	19:11	19:53	20:23	22
23	3:59	4:37	5:33	8:10	8:57	9:34	10:05	12:21	12:55	16:19	17:44	18:51	19:09	19:51	20:21	23
24	4:01	4:38	5:34	8:11	8:57	9:34	10:05	12:21	12:54	16:18	17:43	18:49	19:07	19:49	20:19	24
25	4:02	4:40	5:35	8:11	8:58	9:34	10:05	12:20	12:54	16:17	17:41	18:48	19:06	19:48	20:18	25
26	4:04	4:41	5:36	8:12	8:58	9:35	10:05	12:20	12:54	16:16	17:40	18:46	19:04	19:46	20:16	26
27	4:05	4:42	5:37	8:12	8:58	9:35	10:06	12:20	12:53	16:15	17:38	18:44	19:02	19:44	20:14	27
28	4:07	4:44	5:38	8:13	8:59	9:35	10:06	12:19	12:53	16:13	17:37	18:43	19:01	19:43	20:13	28
29	4:08	4:45	5:39	8:14	8:59	9:35	10:06	12:19	12:52	16:12	17:36	18:41	18:59	19:41	20:11	29
30	4:10	4:46	5:41	8:14	9:00	9:36	10:06	12:19	12:52	16:11	17:34	18:39	18:57	19:39	20:09	30
31	4:11	4:47	5:42	8:15	9:00	9:36	10:06	12:19	12:52	16:10	17:33	18:37	18:55	19:37	20:07	31

LIVORNO

SETTEMBRE

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	4:13	4:49	5:43	8:15	9:01	9:36	10:06	12:18	12:51	16:09	17:31	18:36	18:54	19:36	20:06	1
2	4:14	4:50	5:44	8:16	9:01	9:37	10:07	12:18	12:51	16:08	17:30	18:34	18:52	19:34	20:04	2
3	4:16	4:51	5:45	8:16	9:01	9:37	10:07	12:18	12:50	16:07	17:28	18:32	18:50	19:32	20:02	3
4	4:17	4:52	5:46	8:17	9:02	9:37	10:07	12:17	12:50	16:05	17:27	18:30	18:48	19:30	20:00	4
5	4:18	4:54	5:47	8:18	9:02	9:37	10:07	12:17	12:49	16:04	17:25	18:29	18:47	19:29	19:59	5
6	4:20	4:55	5:48	8:18	9:02	9:38	10:07	12:17	12:49	16:03	17:24	18:27	18:45	19:27	19:57	6
7	4:21	4:56	5:49	8:19	9:03	9:38	10:07	12:16	12:48	16:02	17:22	18:25	18:43	19:25	19:55	7
8	4:22	4:57	5:51	8:19	9:03	9:38	10:07	12:16	12:48	16:01	17:21	18:23	18:41	19:23	19:53	8
9	4:24	4:59	5:52	8:20	9:04	9:38	10:08	12:16	12:48	15:59	17:19	18:21	18:39	19:21	19:51	9
10	4:25	5:00	5:53	8:20	9:04	9:38	10:08	12:15	12:47	15:58	17:18	18:20	18:38	19:20	19:50	10
11	4:27	5:01	5:54	8:21	9:04	9:39	10:08	12:15	12:47	15:57	17:16	18:18	18:36	19:18	19:48	11
12	4:28	5:02	5:55	8:21	9:05	9:39	10:08	12:14	12:46	15:56	17:15	18:16	18:34	19:16	19:46	12
13	4:29	5:04	5:56	8:22	9:05	9:39	10:08	12:14	12:46	15:55	17:13	18:14	18:32	19:14	19:44	13
14	4:30	5:05	5:57	8:22	9:06	9:39	10:08	12:14	12:45	15:53	17:12	18:12	18:30	19:12	19:42	14
15	4:32	5:06	5:58	8:23	9:06	9:39	10:08	12:13	12:45	15:52	17:10	18:10	18:28	19:10	19:40	15
16	4:33	5:07	6:00	8:23	9:06	9:40	10:09	12:13	12:44	15:51	17:09	18:09	18:27	19:09	19:39	16
17	4:34	5:08	6:01	8:23	9:07	9:40	10:09	12:13	12:44	15:50	17:07	18:07	18:25	19:07	19:37	17
18	4:36	5:10	6:02	8:24	9:07	9:40	10:09	12:12	12:43	15:49	17:06	18:05	18:23	19:05	19:35	18
19	4:37	5:11	6:03	8:24	9:07	9:40	10:09	12:12	12:43	15:47	17:04	18:03	18:21	19:03	19:33	19
20	4:38	5:12	6:04	8:25	9:08	9:40	10:09	12:12	12:42	15:46	17:03	18:01	18:19	19:01	19:31	20
21	4:39	5:13	6:05	8:25	9:08	9:41	10:09	12:11	12:42	15:45	17:01	17:59	18:17	18:59	19:29	21
22	4:41	5:14	6:06	8:26	9:09	9:41	10:09	12:11	12:41	15:44	17:00	17:58	18:16	18:58	19:28	22
23	4:42	5:15	6:07	8:26	9:09	9:41	10:10	12:11	12:41	15:42	16:58	17:56	18:14	18:56	19:26	23
24	4:43	5:17	6:09	8:27	9:09	9:41	10:10	12:10	12:40	15:41	16:57	17:54	18:12	18:54	19:24	24
25	4:44	5:18	6:10	8:27	9:10	9:41	10:10	12:10	12:40	15:40	16:55	17:52	18:10	18:52	19:22	25
26	4:46	5:19	6:11	8:28	9:10	9:42	10:10	12:10	12:39	15:39	16:54	17:50	18:08	18:50	19:20	26
27	4:47	5:20	6:12	8:28	9:11	9:42	10:10	12:09	12:39	15:38	16:52	17:49	18:07	18:49	19:19	27
28	4:48	5:21	6:13	8:28	9:11	9:42	10:10	12:09	12:39	15:36	16:51	17:47	18:05	18:47	19:17	28
29	4:49	5:22	6:14	8:29	9:11	9:42	10:10	12:09	12:38	15:35	16:49	17:45	18:03	18:45	19:15	29
30	4:51	5:24	6:15	8:29	9:12	9:42	10:11	12:08	12:38	15:34	16:48	17:43	18:01	18:43	19:13	30

LIVORNO

OTTOBRE

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	4:52	5:25	6:17	8:30	9:12	9:42	10:11	12:08	12:37	15:33	16:46	17:41	17:59	18:41	19:11	1
2	4:53	5:26	6:18	8:30	9:13	9:43	10:11	12:08	12:37	15:32	16:45	17:40	17:58	18:40	19:10	2
3	4:54	5:27	6:19	8:31	9:13	9:43	10:11	12:07	12:36	15:31	16:43	17:38	17:56	18:38	19:08	3
4	4:55	5:28	6:20	8:31	9:13	9:43	10:11	12:07	12:36	15:29	16:42	17:36	17:54	18:36	19:06	4
5	4:57	5:29	6:21	8:32	9:14	9:43	10:12	12:07	12:35	15:28	16:40	17:34	17:52	18:34	19:04	5
6	4:58	5:31	6:22	8:32	9:14	9:43	10:12	12:06	12:35	15:27	16:39	17:32	17:50	18:32	19:02	6
7	4:59	5:32	6:24	8:32	9:15	9:44	10:12	12:06	12:35	15:26	16:37	17:31	17:49	18:31	19:01	7
8	5:00	5:33	6:25	8:33	9:15	9:44	10:12	12:06	12:34	15:25	16:36	17:29	17:47	18:29	18:59	8
9	5:01	5:34	6:26	8:33	9:16	9:44	10:12	12:06	12:34	15:24	16:34	17:27	17:45	18:27	18:57	9
10	5:03	5:35	6:27	8:34	9:16	9:44	10:13	12:05	12:33	15:23	16:33	17:25	17:43	18:25	18:55	10
11	5:04	5:36	6:28	8:34	9:17	9:45	10:13	12:05	12:33	15:21	16:32	17:24	17:42	18:24	18:54	11
12	5:05	5:37	6:29	8:35	9:17	9:45	10:13	12:05	12:33	15:20	16:30	17:22	17:40	18:22	18:52	12
13	5:06	5:39	6:31	8:35	9:18	9:45	10:13	12:05	12:32	15:19	16:29	17:20	17:38	18:20	18:50	13
14	5:07	5:40	6:32	8:36	9:18	9:45	10:14	12:04	12:32	15:18	16:27	17:19	17:37	18:19	18:49	14
15	5:08	5:41	6:33	8:36	9:19	9:45	10:14	12:04	12:32	15:17	16:26	17:17	17:35	18:17	18:47	15
16	5:10	5:42	6:34	8:37	9:19	9:46	10:14	12:04	12:31	15:16	16:25	17:15	17:33	18:15	18:45	16
17	5:11	5:43	6:36	8:37	9:20	9:46	10:14	12:04	12:31	15:15	16:23	17:14	17:32	18:14	18:44	17
18	5:12	5:44	6:37	8:38	9:20	9:46	10:15	12:03	12:31	15:14	16:22	17:12	17:30	18:12	18:42	18
19	5:13	5:46	6:38	8:38	9:21	9:46	10:15	12:03	12:30	15:13	16:21	17:11	17:29	18:11	18:41	19
20	5:14	5:47	6:39	8:39	9:21	9:47	10:15	12:03	12:30	15:12	16:19	17:09	17:27	18:09	18:39	20
21	5:15	5:48	6:41	8:39	9:22	9:47	10:15	12:03	12:30	15:11	16:18	17:07	17:25	18:07	18:37	21
22	5:17	5:49	6:42	8:40	9:22	9:47	10:16	12:03	12:30	15:10	16:17	17:06	17:24	18:06	18:36	22
23	5:18	5:50	6:43	8:40	9:23	9:48	10:16	12:03	12:29	15:09	16:16	17:04	17:22	18:04	18:34	23
24	5:19	5:52	6:44	8:41	9:23	9:48	10:16	12:03	12:29	15:08	16:14	17:03	17:21	18:03	18:33	24
25	5:20	5:53	6:46	8:41	9:24	9:48	10:17	12:02	12:29	15:07	16:13	17:01	17:19	18:01	18:31	25
26	5:21	5:54	6:47	8:42	9:25	9:49	10:17	12:02	12:29	15:06	16:12	17:00	17:18	18:00	18:30	26
27	5:22	5:55	6:48	8:42	9:25	9:49	10:18	12:02	12:28	15:05	16:11	16:58	17:16	17:58	18:28	27
28	5:23	5:56	6:49	8:43	9:26	9:49	10:18	12:02	12:28	15:05	16:10	16:57	17:15	17:57	18:27	28
29	5:25	5:57	6:51	8:43	9:26	9:50	10:18	12:02	12:28	15:04	16:09	16:55	17:13	17:55	18:25	29
30	5:26	5:59	6:52	8:44	9:27	9:50	10:19	12:02	12:28	15:03	16:07	16:54	17:12	17:54	18:24	30
31	5:27	6:00	6:53	8:44	9:28	9:50	10:19	12:02	12:28	15:02	16:06	16:53	17:11	17:53	18:23	31

LIVORNO

NOVEMBRE

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	5:28	6:01	6:55	8:45	9:28	9:51	10:20	12:02	12:28	15:01	16:05	16:51	17:09	17:51	18:21	1
2	5:29	6:02	6:56	8:46	9:29	9:51	10:20	12:02	12:27	15:01	16:04	16:50	17:08	17:50	18:20	2
3	5:30	6:03	6:57	8:46	9:30	9:51	10:20	12:02	12:27	15:00	16:03	16:49	17:07	17:49	18:19	3
4	5:32	6:05	6:59	8:47	9:30	9:52	10:21	12:02	12:27	14:59	16:02	16:47	17:05	17:47	18:17	4
5	5:33	6:06	7:00	8:47	9:31	9:52	10:21	12:02	12:27	14:58	16:01	16:46	17:04	17:46	18:16	5
6	5:34	6:07	7:01	8:48	9:32	9:53	10:22	12:02	12:27	14:58	16:00	16:45	17:03	17:45	18:15	6
7	5:35	6:08	7:02	8:49	9:32	9:53	10:22	12:02	12:27	14:57	15:59	16:44	17:02	17:44	18:14	7
8	5:36	6:09	7:04	8:49	9:33	9:54	10:23	12:02	12:27	14:56	15:59	16:43	17:01	17:43	18:13	8
9	5:37	6:10	7:05	8:50	9:34	9:54	10:23	12:02	12:27	14:56	15:58	16:42	17:00	17:42	18:12	9
10	5:38	6:12	7:06	8:50	9:34	9:54	10:24	12:02	12:27	14:55	15:57	16:40	16:58	17:40	18:10	10
11	5:40	6:13	7:08	8:51	9:35	9:55	10:24	12:03	12:27	14:55	15:56	16:39	16:57	17:39	18:09	11
12	5:41	6:14	7:09	8:52	9:36	9:55	10:25	12:03	12:27	14:54	15:55	16:38	16:56	17:38	18:08	12
13	5:42	6:15	7:10	8:52	9:37	9:56	10:25	12:03	12:27	14:53	15:54	16:37	16:55	17:37	18:07	13
14	5:43	6:16	7:12	8:53	9:37	9:56	10:26	12:03	12:27	14:53	15:54	16:36	16:54	17:36	18:06	14
15	5:44	6:18	7:13	8:54	9:38	9:57	10:26	12:03	12:27	14:52	15:53	16:35	16:53	17:35	18:05	15
16	5:45	6:19	7:14	8:54	9:39	9:57	10:27	12:03	12:27	14:52	15:52	16:35	16:53	17:35	18:05	16
17	5:46	6:20	7:15	8:55	9:39	9:58	10:28	12:04	12:28	14:52	15:52	16:34	16:52	17:34	18:04	17
18	5:47	6:21	7:17	8:56	9:40	9:58	10:28	12:04	12:28	14:51	15:51	16:33	16:51	17:33	18:03	18
19	5:48	6:22	7:18	8:56	9:41	9:59	10:29	12:04	12:28	14:51	15:50	16:32	16:50	17:32	18:02	19
20	5:50	6:23	7:19	8:57	9:42	9:59	10:29	12:04	12:28	14:50	15:50	16:31	16:49	17:31	18:01	20
21	5:51	6:24	7:20	8:58	9:42	10:00	10:30	12:04	12:28	14:50	15:49	16:31	16:49	17:31	18:01	21
22	5:52	6:25	7:22	8:58	9:43	10:00	10:30	12:05	12:28	14:50	15:49	16:30	16:48	17:30	18:00	22
23	5:53	6:27	7:23	8:59	9:44	10:01	10:31	12:05	12:29	14:50	15:48	16:29	16:47	17:29	17:59	23
24	5:54	6:28	7:24	9:00	9:45	10:01	10:32	12:05	12:29	14:49	15:48	16:29	16:47	17:29	17:59	24
25	5:55	6:29	7:25	9:00	9:46	10:02	10:32	12:06	12:29	14:49	15:48	16:28	16:46	17:28	17:58	25
26	5:56	6:30	7:27	9:01	9:46	10:03	10:33	12:06	12:29	14:49	15:47	16:27	16:45	17:27	17:57	26
27	5:57	6:31	7:28	9:02	9:47	10:03	10:33	12:06	12:30	14:49	15:47	16:27	16:45	17:27	17:57	27
28	5:58	6:32	7:29	9:02	9:48	10:04	10:34	12:07	12:30	14:49	15:47	16:26	16:44	17:26	17:56	28
29	5:59	6:33	7:30	9:03	9:49	10:04	10:35	12:07	12:30	14:49	15:46	16:26	16:44	17:26	17:56	29
30	6:00	6:34	7:31	9:04	9:49	10:05	10:35	12:07	12:30	14:49	15:46	16:26	16:44	17:26	17:56	30

LIVORNO

DICEMBRE

Giorno del mese	Alba	Tallèd - Tefillin	Sorgere del sole	Termine lettura Shemà (M.A.)	Termine lettura Shemà (G.R.A.)	Termine lettura ben. Shemà M.A.	Termine lettura ben. Shemà G.R.A.	Mezzogiorno	Minchà Ghedolà	Minchà Ketanà	Pelàg haminchà	accensione dei lumi	Tramonto	Uscita delle stelle 42 minuti	Uscita delle stelle 72 minuti	Giorno del mese
1	6:01	6:35	7:32	9:04	9:50	10:05	10:36	12:08	12:31	14:49	15:46	16:25	16:43	17:25	17:55	1
2	6:02	6:36	7:33	9:05	9:51	10:06	10:37	12:08	12:31	14:49	15:46	16:25	16:43	17:25	17:55	2
3	6:03	6:37	7:34	9:06	9:51	10:07	10:37	12:09	12:31	14:49	15:46	16:25	16:43	17:25	17:55	3
4	6:04	6:38	7:35	9:06	9:52	10:07	10:38	12:09	12:32	14:49	15:46	16:25	16:43	17:25	17:55	4
5	6:04	6:39	7:36	9:07	9:53	10:08	10:38	12:09	12:32	14:49	15:46	16:24	16:42	17:24	17:54	5
6	6:05	6:40	7:37	9:08	9:54	10:08	10:39	12:10	12:33	14:49	15:46	16:24	16:42	17:24	17:54	6
7	6:06	6:41	7:38	9:08	9:54	10:09	10:40	12:10	12:33	14:49	15:46	16:24	16:42	17:24	17:54	7
8	6:07	6:41	7:39	9:09	9:55	10:09	10:40	12:11	12:33	14:49	15:46	16:24	16:42	17:24	17:54	8
9	6:08	6:42	7:40	9:10	9:56	10:10	10:41	12:11	12:34	14:49	15:46	16:24	16:42	17:24	17:54	9
10	6:09	6:43	7:41	9:10	9:56	10:11	10:41	12:12	12:34	14:49	15:46	16:24	16:42	17:24	17:54	10
11	6:09	6:44	7:42	9:11	9:57	10:11	10:42	12:12	12:35	14:50	15:46	16:24	16:42	17:24	17:54	11
12	6:10	6:45	7:43	9:11	9:58	10:12	10:43	12:13	12:35	14:50	15:46	16:24	16:42	17:24	17:54	12
13	6:11	6:45	7:44	9:12	9:58	10:12	10:43	12:13	12:36	14:50	15:46	16:25	16:43	17:25	17:55	13
14	6:12	6:46	7:44	9:13	9:59	10:13	10:44	12:14	12:36	14:51	15:47	16:25	16:43	17:25	17:55	14
15	6:12	6:47	7:45	9:13	10:00	10:13	10:44	12:14	12:36	14:51	15:47	16:25	16:43	17:25	17:55	15
16	6:13	6:48	7:46	9:14	10:00	10:14	10:45	12:15	12:37	14:51	15:47	16:25	16:43	17:25	17:55	16
17	6:14	6:48	7:46	9:14	10:01	10:15	10:46	12:15	12:37	14:52	15:48	16:26	16:44	17:26	17:56	17
18	6:14	6:49	7:47	9:15	10:01	10:15	10:46	12:16	12:38	14:52	15:48	16:26	16:44	17:26	17:56	18
19	6:15	6:49	7:48	9:15	10:02	10:16	10:47	12:16	12:38	14:53	15:48	16:26	16:44	17:26	17:56	19
20	6:15	6:50	7:48	9:16	10:02	10:16	10:47	12:17	12:39	14:53	15:49	16:27	16:45	17:27	17:57	20
21	6:16	6:50	7:49	9:16	10:03	10:17	10:48	12:17	12:39	14:53	15:49	16:27	16:45	17:27	17:57	21
22	6:16	6:51	7:49	9:17	10:03	10:17	10:48	12:18	12:40	14:54	15:50	16:28	16:46	17:28	17:58	22
23	6:17	6:51	7:50	9:17	10:04	10:18	10:49	12:18	12:40	14:55	15:50	16:28	16:46	17:28	17:58	23
24	6:17	6:52	7:50	9:18	10:04	10:18	10:49	12:19	12:41	14:55	15:51	16:29	16:47	17:29	17:59	24
25	6:18	6:52	7:51	9:18	10:05	10:19	10:50	12:19	12:41	14:56	15:52	16:30	16:48	17:30	18:00	25
26	6:18	6:53	7:51	9:19	10:05	10:19	10:50	12:20	12:42	14:56	15:52	16:30	16:48	17:30	18:00	26
27	6:18	6:53	7:51	9:19	10:06	10:19	10:50	12:20	12:42	14:57	15:53	16:31	16:49	17:31	18:01	27
28	6:19	6:53	7:51	9:20	10:06	10:20	10:51	12:21	12:43	14:58	15:54	16:32	16:50	17:32	18:02	28
29	6:19	6:53	7:52	9:20	10:06	10:20	10:51	12:21	12:43	14:58	15:54	16:32	16:50	17:32	18:02	29
30	6:19	6:54	7:52	9:20	10:07	10:21	10:52	12:22	12:44	14:59	15:55	16:33	16:51	17:33	18:03	30
31	6:19	6:54	7:52	9:21	10:07	10:21	10:52	12:22	12:45	15:00	15:56	16:34	16:52	17:34	18:04	31