

Zürich 5772

Zürich 5772		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
28.09.2011	ד	29 Elul '70	5:49	6:20	7:19:48	9:32	10:18	10:47	11:17	13:16:39	17:58	18:55	19:12:41	19:50	19:59	20:44
29.09.2011	ה	1 Tishrei	5:50	6:21	7:21:10	9:32	10:18	10:47	11:17	13:16:19	17:56	18:53	19:10:40	19:47	19:56	20:42
30.09.2011	ו	2 Tishrei	5:52	6:22	7:22:32	9:33	10:19	10:48	11:17	13:15:59	17:55	18:52	19:08:39	19:45	19:54	20:40
01.10.2011	ז	3 Tishrei	5:53	6:24	7:23:54	9:34	10:19	10:48	11:18	13:15:39	17:53	18:50	19:06:38	19:43	19:52	20:38
02.10.2011	ח	4 Tishrei	5:54	6:25	7:25:16	9:34	10:20	10:48	11:18	13:15:20	17:51	18:48	19:04:37	19:41	19:50	20:36
03.10.2011	ט	5 Tishrei	5:56	6:27	7:26:39	9:35	10:20	10:48	11:18	13:15:01	17:50	18:47	19:02:37	19:39	19:48	20:34
04.10.2011	י	6 Tishrei	5:57	6:28	7:28:01	9:35	10:21	10:48	11:18	13:14:42	17:48	18:45	19:00:37	19:37	19:46	20:32
05.10.2011	יא	7 Tishrei	5:59	6:29	7:29:24	9:36	10:21	10:49	11:19	13:14:24	17:46	18:43	18:58:38	19:35	19:44	20:30
06.10.2011	יב	8 Tishrei	6:00	6:31	7:30:48	9:36	10:22	10:49	11:19	13:14:06	17:45	18:42	18:56:39	19:34	19:43	20:28
07.10.2011	יג	9 Tishrei	6:02	6:32	7:32:11	9:37	10:22	10:50	11:19	13:13:49	17:43	18:40	18:54:40	19:32	19:41	20:26
08.10.2011	יד	10 Tishrei	6:03	6:33	7:33:35	9:38	10:23	10:50	11:19	13:13:31	17:41	18:38	18:52:43	19:30	19:39	20:24
09.10.2011	טו	11 Tishrei	6:04	6:35	7:34:59	9:38	10:23	10:50	11:20	13:13:15	17:40	18:37	18:50:45	19:28	19:37	20:22
10.10.2011	טז	12 Tishrei	6:06	6:36	7:36:24	9:39	10:24	10:50	11:20	13:12:58	17:38	18:35	18:48:49	19:26	19:35	20:20
11.10.2011	יז	13 Tishrei	6:07	6:38	7:37:48	9:39	10:25	10:50	11:20	13:12:43	17:37	18:34	18:46:53	19:24	19:33	20:18
12.10.2011	יח	14 Tishrei	6:09	6:39	7:39:13	9:40	10:25	10:51	11:21	13:12:27	17:35	18:32	18:44:57	19:22	19:31	20:16
13.10.2011	יט	15 Tishrei	6:10	6:40	7:40:39	9:40	10:26	10:51	11:21	13:12:12	17:34	18:31	18:43:03	19:20	19:29	20:14
14.10.2011	כ	16 Tishrei	6:11	6:42	7:42:04	9:41	10:26	10:51	11:21	13:11:58	17:32	18:29	18:41:09	19:18	19:27	20:12
15.10.2011	כא	17 Tishrei	6:13	6:43	7:43:30	9:42	10:27	10:52	11:22	13:11:44	17:30	18:27	18:39:15	19:16	19:25	20:11
16.10.2011	כב	18 Tishrei	6:14	6:44	7:44:57	9:42	10:28	10:52	11:22	13:11:31	17:29	18:26	18:37:23	19:15	19:24	20:09
17.10.2011	כג	19 Tishrei	6:16	6:46	7:46:23	9:43	10:28	10:53	11:22	13:11:18	17:27	18:24	18:35:32	19:13	19:22	20:07
18.10.2011	כד	20 Tishrei	6:17	6:47	7:47:50	9:43	10:29	10:53	11:23	13:11:06	17:26	18:23	18:33:41	19:11	19:20	20:05
19.10.2011	כה	21 Tishrei	6:18	6:49	7:49:17	9:44	10:29	10:53	11:23	13:10:55	17:24	18:21	18:31:51	19:09	19:18	20:03
20.10.2011	כו	22 Tishrei	6:20	6:50	7:50:45	9:45	10:30	10:54	11:23	13:10:44	17:23	18:20	18:30:03	19:08	19:17	20:02
21.10.2011	כז	23 Tishrei	6:21	6:51	7:52:12	9:45	10:31	10:54	11:24	13:10:34	17:22	18:19	18:28:15	19:06	19:15	20:00
22.10.2011	כח	24 Tishrei	6:22	6:53	7:53:40	9:46	10:31	10:54	11:24	13:10:24	17:20	18:17	18:26:28	19:04	19:13	19:58
23.10.2011	כט	25 Tishrei	6:24	6:54	7:55:09	9:46	10:32	10:55	11:25	13:10:16	17:19	18:16	18:24:43	19:02	19:12	19:57
24.10.2011	ל	26 Tishrei	6:25	6:55	7:56:37	9:47	10:33	10:55	11:25	13:10:07	17:17	18:14	18:22:58	19:01	19:10	19:55
25.10.2011	א	27 Tishrei	6:26	6:57	7:58:06	9:48	10:33	10:55	11:25	13:10:00	17:16	18:13	18:21:15	18:59	19:08	19:53
26.10.2011	ב	28 Tishrei	6:28	6:58	7:59:35	9:48	10:34	10:56	11:26	13:09:53	17:14	18:11	18:19:32	18:58	19:07	19:52
27.10.2011	ג	29 Tishrei	6:29	7:00	8:01:04	9:49	10:35	10:56	11:26	13:09:47	17:13	18:10	18:17:52	18:56	19:05	19:50
28.10.2011	ד	30 Tishrei	6:31	7:01	8:02:34	9:49	10:35	10:57	11:27	13:09:42	17:12	18:09	18:16:12	18:54	19:03	19:49
29.10.2011	ה	1 Cheshvan	6:32	7:02	8:04:04	9:50	10:36	10:57	11:27	13:09:37	17:10	18:07	18:14:34	18:53	19:02	19:47
30.10.2011	ו	2 Cheshvan	5:33	6:04	7:05:33	8:51	9:37	09:57	10:28	12:09:34	16:09	17:06	17:12:57	17:51	18:00	18:46

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		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°		
31.10.2011	ב	3	Cheshvan	5:35	6:05	7:07:03	8:51	9:38	09:58	10:28	12:09:31	16:08	17:05	17:11:21	17:50	17:59	18:44
01.11.2011	ג	4	Cheshvan	5:36	6:06	7:08:34	8:52	9:38	09:58	10:28	12:09:28	16:07	17:04	17:09:47	17:48	17:58	18:43
02.11.2011	ד	5	Cheshvan	5:37	6:08	7:10:04	8:53	9:39	09:58	10:29	12:09:27	16:05	17:02	17:08:14	17:47	17:56	18:42
03.11.2011	ה	6	Cheshvan	5:39	6:09	7:11:34	8:53	9:40	09:59	10:29	12:09:26	16:04	17:01	17:06:43	17:45	17:55	18:40
04.11.2011	ו	7	Cheshvan	5:40	6:10	7:13:05	8:54	9:41	09:59	10:30	12:09:27	16:03	17:00	17:05:14	17:44	17:53	18:39
05.11.2011	ז	8	Cheshvan	5:41	6:12	7:14:35	8:55	9:41	10:00	10:30	12:09:28	16:02	16:59	17:03:46	17:43	17:52	18:38
06.11.2011	ח	9	Cheshvan	5:43	6:13	7:16:06	8:55	9:42	10:00	10:31	12:09:29	16:01	16:58	17:02:19	17:41	17:51	18:36
07.11.2011	ט	10	Cheshvan	5:44	6:15	7:17:36	8:56	9:43	10:01	10:32	12:09:32	16:00	16:57	17:00:55	17:40	17:49	18:35
08.11.2011	י	11	Cheshvan	5:45	6:16	7:19:07	8:57	9:44	10:01	10:32	12:09:36	15:59	16:56	16:59:32	17:39	17:48	18:34
09.11.2011	יא	12	Cheshvan	5:46	6:17	7:20:37	8:57	9:45	10:01	10:33	12:09:40	15:58	16:55	16:58:11	17:38	17:47	18:33
10.11.2011	יב	13	Cheshvan	5:48	6:19	7:22:07	8:58	9:45	10:02	10:33	12:09:45	15:57	16:54	16:56:52	17:36	17:46	18:32
11.11.2011	יג	14	Cheshvan	5:49	6:20	7:23:37	8:59	9:46	10:03	10:34	12:09:51	15:56	16:53	16:55:35	17:35	17:45	18:31
12.11.2011	יד	15	Cheshvan	5:50	6:21	7:25:07	9:00	9:47	10:03	10:34	12:09:58	15:55	16:52	16:54:20	17:34	17:43	18:30
13.11.2011	טו	16	Cheshvan	5:52	6:23	7:26:36	9:00	9:48	10:04	10:35	12:10:06	15:54	16:51	16:53:06	17:33	17:42	18:29
14.11.2011	טז	17	Cheshvan	5:53	6:24	7:28:05	9:01	9:49	10:04	10:36	12:10:15	15:53	16:50	16:51:55	17:32	17:41	18:28
15.11.2011	יז	18	Cheshvan	5:54	6:25	7:29:34	9:02	9:49	10:05	10:36	12:10:24	15:52	16:49	16:50:46	17:31	17:40	18:27
16.11.2011	יח	19	Cheshvan	5:55	6:26	7:31:02	9:02	9:50	10:05	10:37	12:10:35	15:51	16:48	16:49:39	17:30	17:39	18:26
17.11.2011	יט	20	Cheshvan	5:57	6:28	7:32:30	9:03	9:51	10:06	10:37	12:10:46	15:50	16:47	16:48:34	17:29	17:38	18:25
18.11.2011	כ	21	Cheshvan	5:58	6:29	7:33:57	9:04	9:52	10:06	10:38	12:10:58	15:49	16:46	16:47:31	17:28	17:37	18:24
19.11.2011	כא	22	Cheshvan	5:59	6:30	7:35:24	9:05	9:53	10:07	10:39	12:11:11	15:49	16:46	16:46:30	17:27	17:37	18:23
20.11.2011	כב	23	Cheshvan	6:00	6:32	7:36:50	9:05	9:54	10:07	10:39	12:11:24	15:48	16:45	16:45:32	17:26	17:36	18:23
21.11.2011	כג	24	Cheshvan	6:02	6:33	7:38:16	9:06	9:54	10:08	10:40	12:11:39	15:47	16:44	16:44:36	17:25	17:35	18:22
22.11.2011	כד	25	Cheshvan	6:03	6:34	7:39:40	9:07	9:55	10:09	10:41	12:11:54	15:47	16:44	16:43:43	17:25	17:34	18:21
23.11.2011	כה	26	Cheshvan	6:04	6:35	7:41:04	9:07	9:56	10:09	10:41	12:12:10	15:46	16:43	16:42:52	17:24	17:34	18:21
24.11.2011	כו	27	Cheshvan	6:05	6:37	7:42:27	9:08	9:57	10:10	10:42	12:12:27	15:45	16:42	16:42:03	17:23	17:33	18:20
25.11.2011	כז	28	Cheshvan	6:06	6:38	7:43:49	9:09	9:58	10:10	10:42	12:12:44	15:45	16:42	16:41:17	17:22	17:32	18:19
26.11.2011	כח	29	Cheshvan	6:07	6:39	7:45:10	9:10	9:59	10:11	10:43	12:13:03	15:44	16:41	16:40:34	17:22	17:32	18:19
27.11.2011	כט	1	Kislev	6:09	6:40	7:46:30	9:10	9:59	10:12	10:44	12:13:22	15:44	16:41	16:39:53	17:21	17:31	18:18
28.11.2011	ל	2	Kislev	6:10	6:41	7:47:49	9:11	10:00	10:12	10:44	12:13:42	15:43	16:40	16:39:15	17:21	17:31	18:18
29.11.2011	א	3	Kislev	6:11	6:42	7:49:06	9:12	10:01	10:13	10:45	12:14:02	15:43	16:40	16:38:39	17:20	17:30	18:18
30.11.2011	ב	4	Kislev	6:12	6:44	7:50:22	9:13	10:02	10:13	10:46	12:14:23	15:43	16:40	16:38:06	17:20	17:30	18:17
01.12.2011	ג	5	Kislev	6:13	6:45	7:51:37	9:13	10:03	10:14	10:46	12:14:45	15:42	16:39	16:37:36	17:19	17:29	18:17
02.12.2011	ד	6	Kislev	6:14	6:46	7:52:51	9:14	10:03	10:15	10:47	12:15:08	15:42	16:39	16:37:08	17:19	17:29	18:17

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		16.12°	11.0°		מג"א	הגר"א	מג"א *	הגר"א		הגר"א	* IRG		* 7.0°	8.5°	16.12°		
03.12.2011	ש	7	Kislev	6:15	6:47	7:54:02	9:15	10:04	10:15	10:48	12:15:31	15:42	16:39	16:36:43	17:19	17:29	18:16
04.12.2011	א	8	Kislev	6:16	6:48	7:55:13	9:15	10:05	10:16	10:48	12:15:55	15:42	16:39	16:36:21	17:18	17:28	18:16
05.12.2011	ב	9	Kislev	6:17	6:49	7:56:21	9:16	10:06	10:16	10:49	12:16:19	15:41	16:38	16:36:02	17:18	17:28	18:16
06.12.2011	ג	10	Kislev	6:18	6:50	7:57:28	9:17	10:07	10:17	10:50	12:16:44	15:41	16:38	16:35:46	17:18	17:28	18:16
07.12.2011	ד	11	Kislev	6:19	6:51	7:58:34	9:17	10:07	10:18	10:50	12:17:10	15:41	16:38	16:35:33	17:18	17:28	18:16
08.12.2011	ה	12	Kislev	6:20	6:52	7:59:37	9:18	10:08	10:18	10:51	12:17:36	15:41	16:38	16:35:22	17:18	17:28	18:16
09.12.2011	ו	13	Kislev	6:21	6:53	8:00:38	9:19	10:09	10:19	10:52	12:18:02	15:41	16:38	16:35:14	17:18	17:28	18:16
10.12.2011	ש	14	Kislev	6:22	6:54	8:01:38	9:19	10:10	10:20	10:52	12:18:29	15:41	16:38	16:35:09	17:18	17:28	18:16
11.12.2011	א	15	Kislev	6:22	6:54	8:02:35	9:20	10:10	10:20	10:53	12:18:56	15:41	16:38	16:35:08	17:18	17:28	18:16
12.12.2011	ב	16	Kislev	6:23	6:55	8:03:31	9:21	10:11	10:20	10:54	12:19:24	15:41	16:38	16:35:09	17:18	17:28	18:16
13.12.2011	ג	17	Kislev	6:24	6:56	8:04:24	9:21	10:12	10:21	10:54	12:19:52	15:42	16:38	16:35:12	17:18	17:28	18:16
14.12.2011	ד	18	Kislev	6:25	6:57	8:05:14	9:22	10:12	10:22	10:55	12:20:20	15:42	16:39	16:35:19	17:18	17:28	18:16
15.12.2011	ה	19	Kislev	6:26	6:58	8:06:03	9:23	10:13	10:23	10:55	12:20:49	15:42	16:39	16:35:29	17:18	17:28	18:17
16.12.2011	ו	20	Kislev	6:26	6:58	8:06:49	9:23	10:14	10:23	10:56	12:21:18	15:42	16:39	16:35:41	17:18	17:29	18:17
17.12.2011	ש	21	Kislev	6:27	6:59	8:07:33	9:24	10:14	10:23	10:57	12:21:47	15:42	16:39	16:35:57	17:19	17:29	18:17
18.12.2011	א	22	Kislev	6:28	7:00	8:08:15	9:24	10:15	10:24	10:57	12:22:17	15:43	16:40	16:36:15	17:19	17:29	18:17
19.12.2011	ב	23	Kislev	6:28	7:00	8:08:53	9:25	10:15	10:24	10:58	12:22:46	15:43	16:40	16:36:36	17:19	17:30	18:18
20.12.2011	ג	24	Kislev	6:29	7:01	8:09:30	9:25	10:16	10:25	10:58	12:23:16	15:44	16:41	16:37:00	17:20	17:30	18:18
21.12.2011	ד	25	Kislev	6:29	7:01	8:10:03	9:26	10:16	10:25	10:59	12:23:46	15:44	16:41	16:37:27	17:20	17:30	18:19
22.12.2011	ה	26	Kislev	6:30	7:02	8:10:35	9:27	10:17	10:26	10:59	12:24:15	15:45	16:42	16:37:56	17:21	17:31	18:19
23.12.2011	ו	27	Kislev	6:30	7:02	8:11:03	9:27	10:17	10:26	11:00	12:24:45	15:45	16:42	16:38:28	17:21	17:31	18:20
24.12.2011	ש	28	Kislev	6:31	7:03	8:11:29	9:27	10:18	10:27	11:00	12:25:15	15:46	16:43	16:39:03	17:22	17:32	18:20
25.12.2011	א	29	Kislev	6:31	7:03	8:11:52	9:28	10:18	10:27	11:01	12:25:45	15:46	16:43	16:39:41	17:22	17:33	18:21
26.12.2011	ב	30	Kislev	6:31	7:04	8:12:12	9:28	10:19	10:28	11:01	12:26:15	15:47	16:44	16:40:21	17:23	17:33	18:22
27.12.2011	ג	1	Teves	6:32	7:04	8:12:30	9:29	10:19	10:28	11:02	12:26:44	15:48	16:45	16:41:04	17:24	17:34	18:22
28.12.2011	ד	2	Teves	6:32	7:04	8:12:44	9:29	10:20	10:29	11:02	12:27:14	15:48	16:45	16:41:49	17:24	17:35	18:23
29.12.2011	ה	3	Teves	6:32	7:05	8:12:56	9:30	10:20	10:29	11:02	12:27:43	15:49	16:46	16:42:37	17:25	17:35	18:24
30.12.2011	ו	4	Teves	6:33	7:05	8:13:05	9:30	10:20	10:30	11:03	12:28:12	15:50	16:47	16:43:27	17:26	17:36	18:24
31.12.2011	ש	5	Teves	6:33	7:05	8:13:11	9:30	10:20	10:30	11:03	12:28:41	15:51	16:48	16:44:19	17:27	17:37	18:25
01.01.2012	א	6	Teves	6:33	7:05	8:13:15	9:31	10:21	10:30	11:03	12:29:10	15:51	16:48	16:45:14	17:28	17:38	18:26
02.01.2012	ב	7	Teves	6:33	7:05	8:13:15	9:31	10:21	10:31	11:04	12:29:38	15:52	16:49	16:46:11	17:29	17:39	18:27
03.01.2012	ג	8	Teves	6:33	7:05	8:13:13	9:31	10:21	10:31	11:04	12:30:06	15:53	16:50	16:47:10	17:29	17:40	18:28
04.01.2012	ד	9	Teves	6:33	7:05	8:13:08	9:31	10:21	10:31	11:04	12:30:33	15:54	16:51	16:48:11	17:30	17:41	18:29

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			עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°
05.01.2012	ה	10 Teves	6:33	7:05	8:13:00	9:32	10:22	10:32	11:05	12:31:01	15:55	16:52	16:49:14	17:31	17:42	18:30
06.01.2012	ו	11 Teves	6:33	7:05	8:12:49	9:32	10:22	10:32	11:05	12:31:27	15:56	16:53	16:50:20	17:32	17:43	18:30
07.01.2012	ז	12 Teves	6:33	7:05	8:12:35	9:32	10:22	10:32	11:05	12:31:54	15:57	16:54	16:51:27	17:33	17:44	18:31
08.01.2012	ח	13 Teves	6:33	7:05	8:12:19	9:32	10:22	10:32	11:05	12:32:19	15:58	16:55	16:52:36	17:34	17:45	18:32
09.01.2012	ט	14 Teves	6:33	7:05	8:11:59	9:32	10:22	10:33	11:05	12:32:45	15:59	16:56	16:53:47	17:36	17:46	18:33
10.01.2012	י	15 Teves	6:33	7:04	8:11:37	9:32	10:22	10:33	11:06	12:33:10	16:00	16:57	16:54:59	17:37	17:47	18:34
11.01.2012	יא	16 Teves	6:32	7:04	8:11:12	9:33	10:22	10:33	11:06	12:33:34	16:01	16:58	16:56:13	17:38	17:48	18:36
12.01.2012	יב	17 Teves	6:32	7:04	8:10:45	9:33	10:22	10:33	11:06	12:33:57	16:02	16:59	16:57:29	17:39	17:49	18:37
13.01.2012	יג	18 Teves	6:32	7:03	8:10:15	9:33	10:22	10:34	11:06	12:34:21	16:03	17:00	16:58:46	17:40	17:50	18:38
14.01.2012	יד	19 Teves	6:31	7:03	8:09:42	9:33	10:22	10:33	11:06	12:34:43	16:04	17:01	17:00:05	17:41	17:51	18:39
15.01.2012	טו	20 Teves	6:31	7:03	8:09:06	9:33	10:22	10:34	11:06	12:35:05	16:05	17:02	17:01:25	17:43	17:53	18:40
16.01.2012	טז	21 Teves	6:31	7:02	8:08:28	9:33	10:22	10:34	11:06	12:35:26	16:07	17:04	17:02:46	17:44	17:54	18:41
17.01.2012	יז	22 Teves	6:30	7:02	8:07:47	9:33	10:21	10:34	11:06	12:35:46	16:08	17:05	17:04:09	17:45	17:55	18:42
18.01.2012	יח	23 Teves	6:30	7:01	8:07:04	9:32	10:21	10:34	11:06	12:36:06	16:09	17:06	17:05:32	17:46	17:56	18:43
19.01.2012	יט	24 Teves	6:29	7:00	8:06:18	9:32	10:21	10:34	11:06	12:36:25	16:10	17:07	17:06:57	17:48	17:58	18:45
20.01.2012	כ	25 Teves	6:28	7:00	8:05:29	9:32	10:21	10:34	11:06	12:36:43	16:11	17:08	17:08:23	17:49	17:59	18:46
21.01.2012	כא	26 Teves	6:28	6:59	8:04:39	9:32	10:20	10:34	11:06	12:37:01	16:13	17:10	17:09:49	17:50	18:00	18:47
22.01.2012	כב	27 Teves	6:27	6:58	8:03:46	9:32	10:20	10:34	11:06	12:37:18	16:14	17:11	17:11:17	17:52	18:02	18:48
23.01.2012	כג	28 Teves	6:26	6:58	8:02:50	9:32	10:20	10:34	11:06	12:37:34	16:15	17:12	17:12:45	17:53	18:03	18:50
24.01.2012	כד	29 Teves	6:26	6:57	8:01:52	9:31	10:19	10:34	11:06	12:37:49	16:16	17:13	17:14:14	17:54	18:04	18:51
25.01.2012	כה	1 Shevat	6:25	6:56	8:00:52	9:31	10:19	10:34	11:05	12:38:04	16:17	17:14	17:15:44	17:56	18:06	18:52
26.01.2012	כו	2 Shevat	6:24	6:55	7:59:50	9:31	10:19	10:33	11:05	12:38:17	16:19	17:16	17:17:15	17:57	18:07	18:53
27.01.2012	כז	3 Shevat	6:23	6:54	7:58:45	9:30	10:18	10:33	11:05	12:38:30	16:20	17:17	17:18:46	17:58	18:08	18:55
28.01.2012	כח	4 Shevat	6:22	6:53	7:57:39	9:30	10:18	10:33	11:05	12:38:42	16:21	17:18	17:20:17	18:00	18:10	18:56
29.01.2012	כט	5 Shevat	6:21	6:52	7:56:30	9:30	10:17	10:33	11:04	12:38:53	16:22	17:19	17:21:49	18:01	18:11	18:57
30.01.2012	ל	6 Shevat	6:20	6:51	7:55:19	9:29	10:17	10:33	11:04	12:39:04	16:24	17:21	17:23:21	18:03	18:13	18:59
31.01.2012	א	7 Shevat	6:19	6:50	7:54:06	9:29	10:16	10:32	11:04	12:39:14	16:25	17:22	17:24:54	18:04	18:14	19:00
01.02.2012	ב	8 Shevat	6:18	6:49	7:52:51	9:28	10:16	10:32	11:04	12:39:22	16:26	17:23	17:26:27	18:06	18:15	19:01
02.02.2012	ג	9 Shevat	6:17	6:48	7:51:35	9:28	10:15	10:32	11:03	12:39:30	16:27	17:24	17:28:01	18:07	18:17	19:03
03.02.2012	ד	10 Shevat	6:16	6:47	7:50:16	9:28	10:15	10:32	11:03	12:39:38	16:29	17:26	17:29:34	18:08	18:18	19:04
04.02.2012	ה	11 Shevat	6:15	6:46	7:48:56	9:27	10:14	10:31	11:03	12:39:44	16:30	17:27	17:31:08	18:10	18:20	19:05
05.02.2012	ו	12 Shevat	6:14	6:45	7:47:34	9:26	10:13	10:31	11:02	12:39:49	16:31	17:28	17:32:42	18:11	18:21	19:07
06.02.2012	ז	13 Shevat	6:13	6:43	7:46:10	9:26	10:13	10:31	11:02	12:39:54	16:33	17:30	17:34:16	18:13	18:22	19:08

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		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
07.02.2012	ג	14 Shevat	6:11	6:42	7:44:44	9:25	10:12	10:30	11:01	12:39:58	16:34	17:31	17:35:50	18:14	18:24	19:10
08.02.2012	ד	15 Shevat	6:10	6:41	7:43:17	9:25	10:11	10:30	11:01	12:40:01	16:35	17:32	17:37:24	18:16	18:25	19:11
09.02.2012	ה	16 Shevat	6:09	6:39	7:41:48	9:24	10:11	10:30	11:00	12:40:04	16:36	17:33	17:38:58	18:17	18:27	19:12
10.02.2012	ו	17 Shevat	6:08	6:38	7:40:18	9:23	10:10	10:30	11:00	12:40:05	16:38	17:35	17:40:32	18:19	18:28	19:14
11.02.2012	ז	18 Shevat	6:06	6:37	7:38:46	9:23	10:09	10:29	10:59	12:40:06	16:39	17:36	17:42:06	18:20	18:30	19:15
12.02.2012	ח	19 Shevat	6:05	6:35	7:37:12	9:22	10:08	10:29	10:59	12:40:06	16:40	17:37	17:43:40	18:22	18:31	19:17
13.02.2012	ט	20 Shevat	6:03	6:34	7:35:38	9:21	10:08	10:28	10:58	12:40:05	16:41	17:38	17:45:14	18:23	18:33	19:18
14.02.2012	י	21 Shevat	6:02	6:32	7:34:01	9:21	10:07	10:27	10:58	12:40:04	16:42	17:39	17:46:48	18:24	18:34	19:19
15.02.2012	יא	22 Shevat	6:00	6:31	7:32:24	9:20	10:06	10:27	10:57	12:40:02	16:44	17:41	17:48:21	18:26	18:36	19:21
16.02.2012	יב	23 Shevat	5:59	6:29	7:30:45	9:19	10:05	10:26	10:57	12:39:59	16:45	17:42	17:49:55	18:27	18:37	19:22
17.02.2012	יג	24 Shevat	5:57	6:28	7:29:05	9:18	10:04	10:26	10:56	12:39:55	16:46	17:43	17:51:28	18:29	18:38	19:24
18.02.2012	יד	25 Shevat	5:56	6:26	7:27:24	9:18	10:03	10:25	10:55	12:39:51	16:47	17:44	17:53:01	18:30	18:40	19:25
19.02.2012	טו	26 Shevat	5:54	6:25	7:25:41	9:17	10:02	10:24	10:55	12:39:46	16:49	17:46	17:54:34	18:32	18:41	19:26
20.02.2012	טז	27 Shevat	5:53	6:23	7:23:57	9:16	10:02	10:24	10:54	12:39:40	16:50	17:47	17:56:06	18:33	18:43	19:28
21.02.2012	יז	28 Shevat	5:51	6:21	7:22:13	9:15	10:01	10:23	10:54	12:39:33	16:51	17:48	17:57:39	18:35	18:44	19:29
22.02.2012	יח	29 Shevat	5:49	6:20	7:20:27	9:14	10:00	10:23	10:53	12:39:26	16:52	17:49	17:59:11	18:36	18:46	19:31
23.02.2012	יט	30 Shevat	5:48	6:18	7:18:40	9:13	9:59	10:22	10:52	12:39:19	16:53	17:50	18:00:43	18:38	18:47	19:32
24.02.2012	כ	1 Ador	5:46	6:16	7:16:52	9:12	9:58	10:22	10:52	12:39:10	16:55	17:52	18:02:14	18:39	18:49	19:34
25.02.2012	כא	2 Ador	5:44	6:14	7:15:04	9:11	9:57	10:21	10:51	12:39:02	16:56	17:53	18:03:45	18:41	18:50	19:35
26.02.2012	כב	3 Ador	5:42	6:13	7:13:14	9:10	9:56	10:20	10:50	12:38:52	16:57	17:54	18:05:16	18:42	18:52	19:37
27.02.2012	כג	4 Ador	5:41	6:11	7:11:24	9:09	9:55	10:20	10:49	12:38:42	16:58	17:55	18:06:47	18:43	18:53	19:38
28.02.2012	כד	5 Ador	5:39	6:09	7:09:32	9:08	9:54	10:19	10:49	12:38:31	16:59	17:56	18:08:18	18:45	18:54	19:39
29.02.2012	כה	6 Ador	5:37	6:07	7:07:40	9:07	9:53	10:18	10:48	12:38:20	17:00	17:57	18:09:48	18:46	18:56	19:41
01.03.2012	כו	7 Ador	5:35	6:05	7:05:48	9:06	9:52	10:17	10:47	12:38:09	17:01	17:58	18:11:18	18:48	18:57	19:42
02.03.2012	כז	8 Ador	5:33	6:04	7:03:54	9:05	9:51	10:16	10:46	12:37:56	17:03	18:00	18:12:47	18:49	18:59	19:44
03.03.2012	כח	9 Ador	5:31	6:02	7:02:00	9:04	9:50	10:15	10:46	12:37:44	17:04	18:01	18:14:17	18:51	19:00	19:45
04.03.2012	כט	10 Ador	5:29	6:00	7:00:05	9:03	9:49	10:15	10:45	12:37:31	17:05	18:02	18:15:46	18:52	19:02	19:47
05.03.2012	ל	11 Ador	5:28	5:58	6:58:09	9:02	9:47	10:14	10:44	12:37:17	17:06	18:03	18:17:15	18:54	19:03	19:48
06.03.2012	א	12 Ador	5:26	5:56	6:56:13	9:01	9:46	10:14	10:43	12:37:03	17:07	18:04	18:18:43	18:55	19:05	19:50
07.03.2012	ב	13 Ador	5:24	5:54	6:54:17	9:00	9:45	10:13	10:42	12:36:49	17:08	18:05	18:20:11	18:57	19:06	19:51
08.03.2012	ג	14 Ador	5:22	5:52	6:52:19	8:59	9:44	10:12	10:42	12:36:34	17:09	18:06	18:21:39	18:58	19:07	19:53
09.03.2012	ד	15 Ador	5:20	5:50	6:50:22	8:58	9:43	10:11	10:41	12:36:19	17:10	18:07	18:23:07	18:59	19:09	19:54
10.03.2012	ה	16 Ador	5:18	5:48	6:48:24	8:57	9:42	10:10	10:40	12:36:04	17:12	18:09	18:24:35	19:01	19:10	19:56

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		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
11.03.2012	א	17 Ador	5:16	5:46	6:46:25	8:55	9:41	10:09	10:39	12:35:48	17:13	18:10	18:26:02	19:02	19:12	19:57
12.03.2012	ב	18 Ador	5:14	5:44	6:44:26	8:54	9:40	10:09	10:38	12:35:32	17:14	18:11	18:27:29	19:04	19:13	19:59
13.03.2012	ג	19 Ador	5:11	5:42	6:42:27	8:53	9:39	10:07	10:37	12:35:16	17:15	18:12	18:28:56	19:05	19:15	20:00
14.03.2012	ד	20 Ador	5:09	5:40	6:40:28	8:52	9:37	10:06	10:37	12:34:59	17:16	18:13	18:30:22	19:07	19:16	20:02
15.03.2012	ה	21 Ador	5:07	5:38	6:38:28	8:51	9:36	10:06	10:36	12:34:42	17:17	18:14	18:31:49	19:08	19:18	20:04
16.03.2012	ו	22 Ador	5:05	5:36	6:36:28	8:50	9:35	10:05	10:35	12:34:25	17:18	18:15	18:33:15	19:10	19:19	20:05
17.03.2012	ז	23 Ador	5:03	5:34	6:34:28	8:48	9:34	10:04	10:34	12:34:08	17:19	18:16	18:34:41	19:11	19:21	20:07
18.03.2012	ח	24 Ador	5:01	5:32	6:32:27	8:47	9:33	10:03	10:33	12:33:50	17:20	18:17	18:36:07	19:12	19:22	20:08
19.03.2012	ט	25 Ador	4:59	5:30	6:30:27	8:46	9:32	10:02	10:32	12:33:33	17:21	18:18	18:37:32	19:14	19:24	20:10
20.03.2012	י	26 Ador	4:57	5:28	6:28:26	8:45	9:31	10:01	10:31	12:33:15	17:22	18:19	18:38:58	19:15	19:25	20:11
21.03.2012	יא	27 Ador	4:54	5:26	6:26:25	8:43	9:29	10:00	10:31	12:32:57	17:23	18:20	18:40:23	19:17	19:26	20:13
22.03.2012	יב	28 Ador	4:52	5:24	6:24:24	8:42	9:28	09:59	10:30	12:32:39	17:25	18:21	18:41:48	19:18	19:28	20:15
23.03.2012	יג	29 Ador	4:50	5:22	6:22:23	8:41	9:27	09:58	10:29	12:32:21	17:26	18:23	18:43:13	19:20	19:29	20:16
24.03.2012	יד	1 Nissan	4:48	5:20	6:20:22	8:40	9:26	09:58	10:28	12:32:03	17:27	18:24	18:44:38	19:21	19:31	20:18
25.03.2012	טו	2 Nissan	5:46	6:17	7:18:21	9:38	10:25	10:57	11:27	13:31:45	18:28	19:25	19:46:03	20:23	20:32	21:20
26.03.2012	טז	3 Nissan	5:43	6:15	7:16:21	9:37	10:24	10:55	11:26	13:31:27	18:29	19:26	19:47:28	20:24	20:34	21:21
27.03.2012	יז	4 Nissan	5:41	6:13	7:14:20	9:36	10:22	10:55	11:25	13:31:08	18:30	19:27	19:48:53	20:26	20:35	21:23
28.03.2012	יח	5 Nissan	5:39	6:11	7:12:19	9:35	10:21	10:54	11:24	13:30:50	18:31	19:28	19:50:17	20:27	20:37	21:24
29.03.2012	יט	6 Nissan	5:37	6:09	7:10:19	9:33	10:20	10:53	11:24	13:30:32	18:32	19:29	19:51:42	20:28	20:38	21:26
30.03.2012	כ	7 Nissan	5:34	6:07	7:08:18	9:32	10:19	10:52	11:23	13:30:14	18:33	19:30	19:53:06	20:30	20:40	21:28
31.03.2012	כא	8 Nissan	5:32	6:05	7:06:18	9:31	10:18	10:51	11:22	13:29:56	18:34	19:31	19:54:30	20:31	20:41	21:30
01.04.2012	כב	9 Nissan	5:30	6:02	7:04:19	9:29	10:17	10:50	11:21	13:29:38	18:35	19:32	19:55:55	20:33	20:43	21:31
02.04.2012	כג	10 Nissan	5:27	6:00	7:02:19	9:28	10:16	10:49	11:20	13:29:21	18:36	19:33	19:57:19	20:34	20:44	21:33
03.04.2012	כד	11 Nissan	5:25	5:58	7:00:20	9:27	10:14	10:48	11:19	13:29:03	18:37	19:34	19:58:43	20:36	20:46	21:35
04.04.2012	כה	12 Nissan	5:23	5:56	6:58:21	9:26	10:13	10:47	11:18	13:28:46	18:38	19:35	20:00:07	20:37	20:47	21:36
05.04.2012	כו	13 Nissan	5:20	5:54	6:56:22	9:24	10:12	10:46	11:18	13:28:28	18:39	19:36	20:01:31	20:39	20:49	21:38
06.04.2012	כז	14 Nissan	5:18	5:52	6:54:24	9:23	10:11	10:45	11:17	13:28:11	18:40	19:37	20:02:55	20:40	20:50	21:40
07.04.2012	כח	15 Nissan	5:16	5:50	6:52:27	9:22	10:10	10:44	11:16	13:27:55	18:41	19:38	20:04:19	20:42	20:52	21:42
08.04.2012	כט	16 Nissan	5:13	5:47	6:50:29	9:20	10:09	10:43	11:15	13:27:38	18:42	19:39	20:05:43	20:43	20:53	21:44
09.04.2012	ל	17 Nissan	5:11	5:45	6:48:33	9:19	10:08	10:42	11:14	13:27:22	18:43	19:40	20:07:07	20:45	20:55	21:45
10.04.2012	א	18 Nissan	5:09	5:43	6:46:37	9:18	10:07	10:41	11:13	13:27:05	18:44	19:41	20:08:31	20:46	20:57	21:47
11.04.2012	ב	19 Nissan	5:06	5:41	6:44:41	9:16	10:06	10:40	11:13	13:26:50	18:46	19:43	20:09:55	20:48	20:58	21:49
12.04.2012	ג	20 Nissan	5:04	5:39	6:42:46	9:15	10:04	10:39	11:12	13:26:34	18:47	19:44	20:11:19	20:49	21:00	21:51

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			עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°
13.04.2012	ו	21 Nissan	5:02	5:37	6:40:52	9:14	10:03	10:39	11:11	13:26:19	18:48	19:45	20:12:43	20:51	21:01	21:53
14.04.2012	ז	22 Nissan	4:59	5:34	6:38:58	9:12	10:02	10:37	11:10	13:26:04	18:49	19:46	20:14:07	20:52	21:03	21:55
15.04.2012	ח	23 Nissan	4:57	5:32	6:37:05	9:11	10:01	10:37	11:09	13:25:49	18:50	19:47	20:15:31	20:54	21:04	21:57
16.04.2012	ט	24 Nissan	4:54	5:30	6:35:13	9:10	10:00	10:35	11:09	13:25:35	18:51	19:48	20:16:55	20:55	21:06	21:59
17.04.2012	י	25 Nissan	4:52	5:28	6:33:21	9:09	9:59	10:34	11:08	13:25:21	18:52	19:49	20:18:19	20:57	21:08	22:00
18.04.2012	יא	26 Nissan	4:50	5:26	6:31:31	9:07	9:58	10:34	11:07	13:25:08	18:53	19:50	20:19:43	20:59	21:09	22:02
19.04.2012	יב	27 Nissan	4:47	5:24	6:29:41	9:06	9:57	10:32	11:06	13:24:55	18:54	19:51	20:21:07	21:00	21:11	22:04
20.04.2012	יג	28 Nissan	4:45	5:22	6:27:52	9:05	9:56	10:32	11:06	13:24:42	18:55	19:52	20:22:30	21:02	21:12	22:06
21.04.2012	יד	29 Nissan	4:43	5:20	6:26:04	9:03	9:55	10:31	11:05	13:24:30	18:56	19:53	20:23:54	21:03	21:14	22:08
22.04.2012	טו	30 Nissan	4:40	5:18	6:24:17	9:02	9:54	10:30	11:04	13:24:19	18:57	19:54	20:25:17	21:05	21:16	22:10
23.04.2012	טז	1 Iyar	4:38	5:15	6:22:31	9:01	9:53	10:29	11:03	13:24:07	18:58	19:55	20:26:41	21:06	21:17	22:12
24.04.2012	יז	2 Iyar	4:35	5:13	6:20:45	9:00	9:52	10:28	11:03	13:23:56	18:59	19:56	20:28:04	21:08	21:19	22:14
25.04.2012	יח	3 Iyar	4:33	5:11	6:19:01	8:58	9:51	10:27	11:02	13:23:46	19:00	19:57	20:29:27	21:09	21:20	22:16
26.04.2012	יט	4 Iyar	4:31	5:09	6:17:18	8:57	9:50	10:26	11:01	13:23:36	19:01	19:58	20:30:51	21:11	21:22	22:18
27.04.2012	כ	5 Iyar	4:28	5:07	6:15:37	8:56	9:49	10:25	11:01	13:23:27	19:03	20:00	20:32:14	21:13	21:24	22:20
28.04.2012	כא	6 Iyar	4:26	5:05	6:13:56	8:54	9:48	10:25	11:00	13:23:18	19:04	20:01	20:33:36	21:14	21:25	22:23
29.04.2012	כב	7 Iyar	4:24	5:03	6:12:17	8:53	9:47	10:24	10:59	13:23:10	19:05	20:02	20:34:59	21:16	21:27	22:25
30.04.2012	כג	8 Iyar	4:21	5:01	6:10:38	8:52	9:47	10:23	10:59	13:23:02	19:06	20:03	20:36:21	21:17	21:28	22:27
01.05.2012	כד	9 Iyar	4:19	4:59	6:09:01	8:51	9:46	10:22	10:58	13:22:55	19:07	20:04	20:37:43	21:19	21:30	22:29
02.05.2012	כה	10 Iyar	4:17	4:57	6:07:26	8:50	9:45	10:21	10:57	13:22:48	19:08	20:05	20:39:05	21:20	21:32	22:31
03.05.2012	כו	11 Iyar	4:14	4:55	6:05:52	8:48	9:44	10:20	10:57	13:22:42	19:09	20:06	20:40:27	21:22	21:33	22:33
04.05.2012	כז	12 Iyar	4:12	4:53	6:04:19	8:47	9:43	10:19	10:56	13:22:36	19:10	20:07	20:41:48	21:23	21:35	22:35
05.05.2012	כח	13 Iyar	4:10	4:52	6:02:47	8:46	9:42	10:19	10:56	13:22:31	19:11	20:08	20:43:09	21:25	21:36	22:37
06.05.2012	כט	14 Iyar	4:07	4:50	6:01:18	8:45	9:42	10:17	10:55	13:22:27	19:12	20:09	20:44:29	21:26	21:38	22:39
07.05.2012	ל	15 Iyar	4:05	4:48	5:59:49	8:44	9:41	10:17	10:55	13:22:23	19:13	20:10	20:45:49	21:28	21:40	22:42
08.05.2012	א	16 Iyar	4:03	4:46	5:58:22	8:42	9:40	10:16	10:54	13:22:20	19:14	20:11	20:47:09	21:30	21:41	22:44
09.05.2012	ב	17 Iyar	4:01	4:44	5:56:57	8:41	9:39	10:16	10:54	13:22:17	19:15	20:12	20:48:28	21:31	21:43	22:46
10.05.2012	ג	18 Iyar	3:58	4:42	5:55:34	8:40	9:39	10:14	10:53	13:22:15	19:16	20:13	20:49:47	21:33	21:44	22:48
11.05.2012	ד	19 Iyar	3:56	4:41	5:54:12	8:39	9:38	10:14	10:53	13:22:13	19:17	20:14	20:51:05	21:34	21:46	22:50
12.05.2012	ה	20 Iyar	3:54	4:39	5:52:52	8:38	9:37	10:13	10:52	13:22:12	19:18	20:15	20:52:22	21:36	21:48	22:52
13.05.2012	ו	21 Iyar	3:52	4:37	5:51:33	8:37	9:37	10:13	10:52	13:22:12	19:19	20:16	20:53:39	21:37	21:49	22:55
14.05.2012	ז	22 Iyar	3:49	4:35	5:50:17	8:36	9:36	10:11	10:51	13:22:12	19:20	20:17	20:54:55	21:39	21:51	22:57
15.05.2012	ח	23 Iyar	3:47	4:34	5:49:02	8:35	9:35	10:11	10:51	13:22:12	19:21	20:18	20:56:11	21:40	21:52	22:59

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		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
16.05.2012	ד	24 Iyar	3:45	4:32	5:47:49	8:34	9:35	10:10	10:51	13:22:14	19:22	20:19	20:57:25	21:41	21:54	23:01
17.05.2012	ה	25 Iyar	3:43	4:31	5:46:38	8:33	9:34	10:09	10:50	13:22:15	19:23	20:20	20:58:39	21:43	21:55	23:03
18.05.2012	ו	26 Iyar	3:41	4:29	5:45:29	8:32	9:34	10:09	10:50	13:22:18	19:24	20:21	20:59:52	21:44	21:57	23:05
19.05.2012	ז	27 Iyar	3:39	4:27	5:44:22	8:30	9:33	10:08	10:49	13:22:20	19:25	20:22	21:01:04	21:46	21:58	23:08
20.05.2012	ח	28 Iyar	3:37	4:26	5:43:17	8:30	9:33	10:08	10:49	13:22:24	19:26	20:23	21:02:15	21:47	22:00	23:10
21.05.2012	ט	29 Iyar	3:35	4:24	5:42:14	8:29	9:32	10:07	10:49	13:22:28	19:27	20:24	21:03:25	21:48	22:01	23:12
22.05.2012	י	1 Sivan	3:33	4:23	5:41:13	8:28	9:32	10:06	10:49	13:22:32	19:28	20:25	21:04:34	21:50	22:02	23:14
23.05.2012	יא	2 Sivan	3:31	4:22	5:40:14	8:27	9:31	10:06	10:48	13:22:37	19:29	20:26	21:05:41	21:51	22:04	23:16
24.05.2012	יב	3 Sivan	3:29	4:20	5:39:18	8:26	9:31	10:05	10:48	13:22:43	19:30	20:27	21:06:48	21:52	22:05	23:18
25.05.2012	יג	4 Sivan	3:27	4:19	5:38:23	8:25	9:30	10:04	10:48	13:22:49	19:31	20:28	21:07:53	21:54	22:07	23:20
26.05.2012	יד	5 Sivan	3:25	4:18	5:37:31	8:24	9:30	10:04	10:48	13:22:55	19:31	20:28	21:08:57	21:55	22:08	23:22
27.05.2012	טו	6 Sivan	3:24	4:17	5:36:41	8:23	9:30	10:04	10:47	13:23:02	19:32	20:29	21:10:00	21:56	22:09	23:24
28.05.2012	טז	7 Sivan	3:22	4:15	5:35:54	8:22	9:29	10:03	10:47	13:23:10	19:33	20:30	21:11:01	21:57	22:10	23:26
29.05.2012	יז	8 Sivan	3:20	4:14	5:35:09	8:22	9:29	10:02	10:47	13:23:18	19:34	20:31	21:12:01	21:59	22:12	23:28
30.05.2012	יח	9 Sivan	3:19	4:13	5:34:26	8:21	9:29	10:02	10:47	13:23:26	19:35	20:32	21:12:59	22:00	22:13	23:30
31.05.2012	יט	10 Sivan	3:17	4:12	5:33:45	8:20	9:28	10:02	10:47	13:23:35	19:36	20:33	21:13:56	22:01	22:14	23:32
01.06.2012	כ	11 Sivan	3:16	4:11	5:33:07	8:19	9:28	10:02	10:47	13:23:44	19:36	20:33	21:14:51	22:02	22:15	23:34
02.06.2012	כא	12 Sivan	3:14	4:10	5:32:32	8:19	9:28	10:01	10:46	13:23:54	19:37	20:34	21:15:44	22:03	22:16	23:35
03.06.2012	כב	13 Sivan	3:13	4:09	5:31:59	8:18	9:28	10:01	10:46	13:24:03	19:38	20:35	21:16:36	22:04	22:17	23:37
04.06.2012	כג	14 Sivan	3:11	4:08	5:31:28	8:18	9:27	10:00	10:46	13:24:14	19:38	20:35	21:17:26	22:05	22:18	23:39
05.06.2012	כד	15 Sivan	3:10	4:08	5:31:00	8:17	9:27	10:00	10:46	13:24:24	19:39	20:36	21:18:14	22:06	22:19	23:40
06.06.2012	כה	16 Sivan	3:09	4:07	5:30:34	8:16	9:27	10:00	10:46	13:24:35	19:40	20:37	21:19:00	22:07	22:20	23:42
07.06.2012	כו	17 Sivan	3:08	4:06	5:30:11	8:16	9:27	09:59	10:46	13:24:46	19:40	20:37	21:19:44	22:08	22:21	23:43
08.06.2012	כז	18 Sivan	3:07	4:06	5:29:50	8:16	9:27	09:59	10:46	13:24:58	19:41	20:38	21:20:26	22:09	22:22	23:45
09.06.2012	כח	19 Sivan	3:06	4:05	5:29:32	8:15	9:27	09:59	10:46	13:25:10	19:41	20:38	21:21:06	22:09	22:23	23:46
10.06.2012	כט	20 Sivan	3:05	4:05	5:29:16	8:15	9:27	09:59	10:46	13:25:22	19:42	20:39	21:21:44	22:10	22:24	23:47
11.06.2012	ל	21 Sivan	3:04	4:04	5:29:03	8:14	9:27	09:58	10:46	13:25:34	19:43	20:40	21:22:20	22:11	22:24	23:48
12.06.2012	א	22 Sivan	3:03	4:04	5:28:53	8:14	9:27	09:58	10:46	13:25:46	19:43	20:40	21:22:53	22:12	22:25	23:49
13.06.2012	ב	23 Sivan	3:03	4:04	5:28:45	8:14	9:27	09:58	10:46	13:25:59	19:43	20:40	21:23:25	22:12	22:26	23:50
14.06.2012	ג	24 Sivan	3:02	4:03	5:28:39	8:14	9:27	09:58	10:47	13:26:11	19:44	20:41	21:23:54	22:13	22:26	23:51
15.06.2012	ד	25 Sivan	3:02	4:03	5:28:37	8:14	9:27	09:58	10:47	13:26:24	19:44	20:41	21:24:21	22:13	22:27	23:52
16.06.2012	ה	26 Sivan	3:01	4:03	5:28:36	8:14	9:27	09:58	10:47	13:26:37	19:45	20:42	21:24:45	22:14	22:27	23:53
17.06.2012	ו	27 Sivan	3:01	4:03	5:28:38	8:14	9:27	09:58	10:47	13:26:50	19:45	20:42	21:25:08	22:14	22:28	23:53

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Zürich 5772		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
18.06.2012	ב	28 Sivan	3:01	4:03	5:28:43	8:14	9:27	09:58	10:47	13:27:03	19:45	20:42	21:25:27	22:14	22:28	23:54
19.06.2012	ג	29 Sivan	3:01	4:03	5:28:50	8:14	9:28	09:58	10:47	13:27:16	19:46	20:43	21:25:45	22:15	22:28	23:54
20.06.2012	ד	30 Sivan	3:01	4:03	5:29:00	8:14	9:28	09:58	10:48	13:27:29	19:46	20:43	21:25:59	22:15	22:29	23:54
21.06.2012	ה	1 Tammuz	3:01	4:03	5:29:12	8:14	9:28	09:59	10:48	13:27:42	19:46	20:43	21:26:12	22:15	22:29	23:55
22.06.2012	ו	2 Tammuz	3:02	4:04	5:29:27	8:14	9:28	09:59	10:48	13:27:55	19:46	20:43	21:26:22	22:15	22:29	23:55
23.06.2012	ז	3 Tammuz	3:02	4:04	5:29:44	8:15	9:28	09:59	10:48	13:28:08	19:46	20:43	21:26:29	22:16	22:29	23:55
24.06.2012	ח	4 Tammuz	3:02	4:04	5:30:03	8:15	9:29	09:59	10:48	13:28:21	19:46	20:43	21:26:34	22:16	22:29	23:54
25.06.2012	ט	5 Tammuz	3:03	4:05	5:30:25	8:15	9:29	10:00	10:49	13:28:34	19:47	20:44	21:26:36	22:16	22:29	23:54
26.06.2012	י	6 Tammuz	3:04	4:05	5:30:48	8:16	9:29	10:00	10:49	13:28:46	19:47	20:44	21:26:36	22:16	22:29	23:54
27.06.2012	יא	7 Tammuz	3:05	4:06	5:31:15	8:16	9:30	10:01	10:49	13:28:59	19:47	20:44	21:26:33	22:15	22:29	23:54
28.06.2012	יב	8 Tammuz	3:05	4:06	5:31:43	8:17	9:30	10:01	10:49	13:29:11	19:47	20:44	21:26:27	22:15	22:29	23:53
29.06.2012	יג	9 Tammuz	3:06	4:07	5:32:14	8:17	9:30	10:01	10:50	13:29:23	19:46	20:43	21:26:19	22:15	22:28	23:52
30.06.2012	יד	10 Tammuz	3:07	4:08	5:32:47	8:18	9:31	10:02	10:50	13:29:35	19:46	20:43	21:26:08	22:15	22:28	23:52
01.07.2012	טו	11 Tammuz	3:09	4:09	5:33:22	8:18	9:31	10:03	10:50	13:29:47	19:46	20:43	21:25:55	22:15	22:28	23:51
02.07.2012	טז	12 Tammuz	3:10	4:09	5:33:59	8:19	9:31	10:03	10:51	13:29:58	19:46	20:43	21:25:39	22:14	22:27	23:50
03.07.2012	יז	13 Tammuz	3:11	4:10	5:34:38	8:20	9:32	10:03	10:51	13:30:09	19:46	20:43	21:25:21	22:14	22:27	23:49
04.07.2012	יח	14 Tammuz	3:12	4:11	5:35:19	8:21	9:32	10:04	10:51	13:30:20	19:46	20:43	21:25:00	22:13	22:26	23:48
05.07.2012	יט	15 Tammuz	3:14	4:12	5:36:02	8:21	9:33	10:05	10:52	13:30:30	19:45	20:42	21:24:36	22:13	22:26	23:47
06.07.2012	כ	16 Tammuz	3:15	4:13	5:36:46	8:22	9:33	10:05	10:52	13:30:40	19:45	20:42	21:24:10	22:12	22:25	23:46
07.07.2012	כא	17 Tammuz	3:17	4:14	5:37:33	8:23	9:34	10:06	10:52	13:30:50	19:45	20:42	21:23:41	22:12	22:24	23:44
08.07.2012	כב	18 Tammuz	3:18	4:15	5:38:21	8:24	9:34	10:06	10:53	13:30:59	19:44	20:41	21:23:10	22:11	22:24	23:43
09.07.2012	כג	19 Tammuz	3:20	4:17	5:39:12	8:25	9:35	10:07	10:53	13:31:08	19:44	20:41	21:22:36	22:10	22:23	23:42
10.07.2012	כד	20 Tammuz	3:22	4:18	5:40:03	8:26	9:35	10:08	10:54	13:31:16	19:43	20:40	21:22:00	22:10	22:22	23:40
11.07.2012	כה	21 Tammuz	3:24	4:19	5:40:57	8:27	9:36	10:09	10:54	13:31:24	19:43	20:40	21:21:21	22:09	22:21	23:39
12.07.2012	כו	22 Tammuz	3:25	4:20	5:41:52	8:28	9:36	10:09	10:54	13:31:32	19:42	20:39	21:20:40	22:08	22:20	23:37
13.07.2012	כז	23 Tammuz	3:27	4:22	5:42:48	8:29	9:37	10:09	10:55	13:31:39	19:42	20:39	21:19:57	22:07	22:19	23:35
14.07.2012	כח	24 Tammuz	3:29	4:23	5:43:46	8:30	9:37	10:10	10:55	13:31:46	19:41	20:38	21:19:11	22:06	22:18	23:34
15.07.2012	כט	25 Tammuz	3:31	4:24	5:44:45	8:31	9:38	10:11	10:55	13:31:52	19:41	20:38	21:18:23	22:05	22:17	23:32
16.07.2012	ל	26 Tammuz	3:33	4:26	5:45:46	8:32	9:38	10:12	10:56	13:31:57	19:40	20:37	21:17:33	22:04	22:16	23:30
17.07.2012	א	27 Tammuz	3:35	4:27	5:46:48	8:33	9:39	10:12	10:56	13:32:02	19:39	20:36	21:16:40	22:03	22:15	23:28
18.07.2012	ב	28 Tammuz	3:37	4:29	5:47:51	8:34	9:39	10:13	10:57	13:32:07	19:39	20:36	21:15:45	22:02	22:14	23:27
19.07.2012	ג	29 Tammuz	3:39	4:30	5:48:55	8:35	9:40	10:14	10:57	13:32:11	19:38	20:35	21:14:47	22:01	22:13	23:25
20.07.2012	ד	1 Av	3:41	4:31	5:50:00	8:36	9:40	10:15	10:57	13:32:14	19:37	20:34	21:13:48	22:00	22:12	23:23

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		עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°	
21.07.2012	ש	2 Av	3:43	4:33	5:51:07	8:37	9:41	10:15	10:58	13:32:17	19:36	20:33	21:12:46	21:58	22:10	23:21
22.07.2012	א	3 Av	3:45	4:35	5:52:14	8:38	9:42	10:16	10:58	13:32:19	19:35	20:32	21:11:43	21:57	22:09	23:19
23.07.2012	ב	4 Av	3:47	4:36	5:53:23	8:39	9:42	10:17	10:59	13:32:21	19:35	20:32	21:10:37	21:56	22:08	23:17
24.07.2012	ג	5 Av	3:49	4:38	5:54:32	8:40	9:43	10:17	10:59	13:32:22	19:34	20:31	21:09:29	21:54	22:06	23:15
25.07.2012	ד	6 Av	3:51	4:39	5:55:42	8:41	9:43	10:18	10:59	13:32:23	19:33	20:30	21:08:19	21:53	22:05	23:13
26.07.2012	ה	7 Av	3:53	4:41	5:56:53	8:42	9:44	10:18	11:00	13:32:23	19:32	20:29	21:07:08	21:52	22:03	23:10
27.07.2012	ו	8 Av	3:56	4:42	5:58:05	8:43	9:45	10:20	11:00	13:32:22	19:31	20:28	21:05:54	21:50	22:02	23:08
28.07.2012	ז	9 Av	3:58	4:44	5:59:17	8:44	9:45	10:20	11:01	13:32:21	19:30	20:27	21:04:38	21:49	22:00	23:06
29.07.2012	ח	10 Av	4:00	4:46	6:00:30	8:45	9:46	10:21	11:01	13:32:19	19:29	20:26	21:03:21	21:47	21:59	23:04
30.07.2012	ט	11 Av	4:02	4:47	6:01:44	8:46	9:46	10:22	11:01	13:32:16	19:28	20:25	21:02:02	21:46	21:57	23:02
31.07.2012	י	12 Av	4:04	4:49	6:02:58	8:47	9:47	10:22	11:02	13:32:13	19:27	20:24	21:00:41	21:44	21:55	23:00
01.08.2012	יא	13 Av	4:06	4:51	6:04:13	8:48	9:47	10:23	11:02	13:32:10	19:26	20:23	20:59:18	21:43	21:54	22:57
02.08.2012	יב	14 Av	4:08	4:52	6:05:28	8:49	9:48	10:23	11:02	13:32:05	19:24	20:21	20:57:53	21:41	21:52	22:55
03.08.2012	יג	15 Av	4:10	4:54	6:06:44	8:50	9:49	10:24	11:03	13:32:00	19:23	20:20	20:56:27	21:39	21:50	22:53
04.08.2012	יד	16 Av	4:12	4:56	6:08:01	8:51	9:49	10:25	11:03	13:31:55	19:22	20:19	20:55:00	21:38	21:49	22:51
05.08.2012	טו	17 Av	4:15	4:57	6:09:17	8:52	9:50	10:26	11:04	13:31:49	19:21	20:18	20:53:30	21:36	21:47	22:48
06.08.2012	טז	18 Av	4:17	4:59	6:10:34	8:53	9:50	10:26	11:04	13:31:42	19:20	20:17	20:52:00	21:34	21:45	22:46
07.08.2012	יז	19 Av	4:19	5:01	6:11:52	8:54	9:51	10:27	11:04	13:31:35	19:18	20:15	20:50:27	21:33	21:43	22:44
08.08.2012	יח	20 Av	4:21	5:02	6:13:09	8:55	9:52	10:27	11:05	13:31:27	19:17	20:14	20:48:54	21:31	21:42	22:41
09.08.2012	יט	21 Av	4:23	5:04	6:14:27	8:56	9:52	10:28	11:05	13:31:18	19:16	20:13	20:47:19	21:29	21:40	22:39
10.08.2012	כ	22 Av	4:25	5:06	6:15:45	8:57	9:53	10:29	11:05	13:31:09	19:15	20:12	20:45:42	21:27	21:38	22:37
11.08.2012	כא	23 Av	4:27	5:07	6:17:04	8:58	9:53	10:29	11:06	13:31:00	19:13	20:10	20:44:04	21:26	21:36	22:34
12.08.2012	כב	24 Av	4:29	5:09	6:18:22	8:59	9:54	10:30	11:06	13:30:50	19:12	20:09	20:42:25	21:24	21:34	22:32
13.08.2012	כג	25 Av	4:31	5:11	6:19:41	9:00	9:54	10:30	11:06	13:30:39	19:11	20:08	20:40:45	21:22	21:32	22:30
14.08.2012	כד	26 Av	4:33	5:12	6:21:00	9:01	9:55	10:31	11:07	13:30:28	19:09	20:06	20:39:03	21:20	21:30	22:27
15.08.2012	כה	27 Av	4:35	5:14	6:22:19	9:02	9:56	10:31	11:07	13:30:16	19:08	20:05	20:37:20	21:18	21:28	22:25
16.08.2012	כו	28 Av	4:37	5:16	6:23:38	9:03	9:56	10:32	11:07	13:30:03	19:06	20:03	20:35:36	21:16	21:26	22:22
17.08.2012	כז	29 Av	4:39	5:17	6:24:57	9:04	9:57	10:32	11:07	13:29:51	19:05	20:02	20:33:51	21:14	21:24	22:20
18.08.2012	כח	30 Av	4:41	5:19	6:26:16	9:04	9:57	10:33	11:08	13:29:37	19:03	20:00	20:32:05	21:12	21:23	22:18
19.08.2012	כט	1 Elul	4:43	5:21	6:27:36	9:05	9:58	10:33	11:08	13:29:23	19:02	19:59	20:30:18	21:10	21:21	22:15
20.08.2012	ל	2 Elul	4:45	5:22	6:28:55	9:06	9:58	10:34	11:08	13:29:09	19:01	19:58	20:28:30	21:08	21:19	22:13
21.08.2012	א	3 Elul	4:47	5:24	6:30:15	9:07	9:59	10:34	11:09	13:28:54	18:59	19:56	20:26:41	21:06	21:16	22:10
22.08.2012	ב	4 Elul	4:49	5:25	6:31:34	9:08	9:59	10:35	11:09	13:28:39	18:58	19:55	20:24:51	21:05	21:14	22:08

Zürich 5772

			עלות 16.12°	משיכיר 11.0°	הנ"ח	ק"ש מג"א	ק"ש הגר"א	תפלה מג"א *	תפלה הגר"א	חצות	פלג הגר"א	פלג * IRG	שקיעה"ח	ס. תענית * 7.0°	מוצ"ש 8.5°	מוצ"ש 16.12°
23.08.2012	ה	5 Elul	4:50	5:27	6:32:54	9:09	10:00	10:35	11:09	13:28:23	18:56	19:53	20:23:00	21:03	21:12	22:06
24.08.2012	ו	6 Elul	4:52	5:29	6:34:13	9:09	10:00	10:35	11:09	13:28:07	18:55	19:52	20:21:08	21:01	21:10	22:03
25.08.2012	ז	7 Elul	4:54	5:30	6:35:33	9:10	10:01	10:36	11:10	13:27:51	18:53	19:50	20:19:16	20:58	21:08	22:01
26.08.2012	ח	8 Elul	4:56	5:32	6:36:52	9:11	10:02	10:36	11:10	13:27:34	18:51	19:48	20:17:22	20:56	21:06	21:58
27.08.2012	ט	9 Elul	4:58	5:33	6:38:12	9:12	10:02	10:37	11:10	13:27:16	18:50	19:47	20:15:28	20:54	21:04	21:56
28.08.2012	י	10 Elul	5:00	5:35	6:39:31	9:13	10:03	10:38	11:10	13:26:59	18:48	19:45	20:13:33	20:52	21:02	21:54
29.08.2012	יא	11 Elul	5:01	5:37	6:40:51	9:13	10:03	10:37	11:11	13:26:41	18:47	19:44	20:11:38	20:50	21:00	21:51
30.08.2012	יב	12 Elul	5:03	5:38	6:42:10	9:14	10:04	10:38	11:11	13:26:22	18:45	19:42	20:09:42	20:48	20:58	21:49
31.08.2012	יג	13 Elul	5:05	5:40	6:43:30	9:15	10:04	10:39	11:11	13:26:04	18:43	19:40	20:07:45	20:46	20:56	21:47
01.09.2012	יד	14 Elul	5:07	5:41	6:44:49	9:15	10:05	10:39	11:11	13:25:45	18:42	19:39	20:05:47	20:44	20:54	21:44
02.09.2012	טו	15 Elul	5:08	5:43	6:46:09	9:16	10:05	10:39	11:12	13:25:25	18:40	19:37	20:03:49	20:42	20:52	21:42
03.09.2012	טז	16 Elul	5:10	5:44	6:47:28	9:17	10:06	10:39	11:12	13:25:06	18:39	19:36	20:01:51	20:40	20:50	21:39
04.09.2012	יז	17 Elul	5:12	5:46	6:48:47	9:18	10:06	10:40	11:12	13:24:46	18:37	19:34	19:59:52	20:38	20:47	21:37
05.09.2012	יח	18 Elul	5:14	5:47	6:50:07	9:18	10:07	10:41	11:12	13:24:26	18:35	19:32	19:57:53	20:36	20:45	21:35
06.09.2012	יט	19 Elul	5:15	5:49	6:51:26	9:19	10:07	10:40	11:12	13:24:06	18:34	19:31	19:55:53	20:34	20:43	21:32
07.09.2012	כ	20 Elul	5:17	5:50	6:52:46	9:20	10:08	10:41	11:13	13:23:45	18:32	19:29	19:53:52	20:32	20:41	21:30
08.09.2012	כא	21 Elul	5:19	5:52	6:54:05	9:20	10:08	10:42	11:13	13:23:24	18:30	19:27	19:51:52	20:30	20:39	21:28
09.09.2012	כב	22 Elul	5:20	5:53	6:55:25	9:21	10:09	10:41	11:13	13:23:04	18:29	19:26	19:49:51	20:27	20:37	21:25
10.09.2012	כג	23 Elul	5:22	5:55	6:56:44	9:22	10:09	10:42	11:13	13:22:43	18:27	19:24	19:47:50	20:25	20:35	21:23
11.09.2012	כד	24 Elul	5:24	5:56	6:58:04	9:22	10:10	10:43	11:13	13:22:22	18:25	19:22	19:45:48	20:23	20:33	21:21
12.09.2012	כה	25 Elul	5:25	5:58	6:59:23	9:23	10:10	10:42	11:14	13:22:00	18:24	19:21	19:43:46	20:21	20:30	21:18
13.09.2012	כו	26 Elul	5:27	5:59	7:00:43	9:23	10:10	10:43	11:14	13:21:39	18:22	19:19	19:41:44	20:19	20:28	21:16
14.09.2012	כז	27 Elul	5:28	6:01	7:02:03	9:24	10:11	10:43	11:14	13:21:18	18:20	19:17	19:39:42	20:17	20:26	21:14
15.09.2012	כח	28 Elul	5:30	6:02	7:03:22	9:25	10:11	10:43	11:14	13:20:56	18:19	19:16	19:37:40	20:15	20:24	21:11
16.09.2012	כט	29 Elul	5:32	6:04	7:04:42	9:25	10:12	10:44	11:15	13:20:35	18:17	19:14	19:35:37	20:13	20:22	21:09
17.09.2012	ל	1 Tishrei '73	5:33	6:05	7:06:02	9:26	10:12	10:44	11:15	13:20:14	18:15	19:12	19:33:35	20:11	20:20	21:07