



## DEBUT DES TEPHILINES

PARIS (75)

ב'ס"ד

	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
01	06:02	06:49	06:34	07:14	07:34	07:16	06:31	06:25	05:18	04:25	04:21	05:07	06:02	
02	06:04	06:51	06:36	07:15	07:34	07:14	06:29	06:23	05:16	04:24	04:22	05:09	06:04	
03	06:06	06:52	06:37	07:16	07:34	07:13	06:27	06:20	05:14	04:23	04:23	05:11	06:05	
04	06:07	06:54	06:39	07:17	07:34	07:12	06:25	06:18	05:12	04:22	04:24	05:13	06:07	
05	06:09	06:55	06:40	07:18	07:34	07:11	06:23	06:16	05:10	04:21	04:25	05:14	06:09	
06	06:11	06:56	06:41	07:19	07:34	07:09	06:21	06:14	05:08	04:20	04:26	05:16	06:10	
07	06:12	06:58	06:43	07:20	07:34	07:08	06:19	06:11	05:06	04:19	04:27	05:18	06:12	
08	06:14	06:59	06:44	07:21	07:33	07:06	06:17	06:09	05:04	04:19	04:28	05:20	06:13	
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15	06:25	07:10	06:54	07:27	07:31	06:56	06:02	05:53	04:50	04:16	04:38	05:33	06:25	
16	06:26	07:11	06:55	07:28	07:30	06:54	06:00	05:51	04:49	04:15	04:40	05:34	06:26	
17	06:28	07:13	06:57	07:29	07:29	06:53	05:58	05:49	04:47	04:15	04:41	05:36	06:28	
18	06:30	07:14	06:58	07:29	07:29	06:51	05:56	05:46	04:45	04:15	04:43	05:38	06:29	
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23	06:37	07:21	07:05	07:32	07:25	06:42	05:45	05:35	04:37	04:16	04:51	05:47	06:37	
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26	06:42	07:26	07:08	07:33	07:22	06:37	06:38	05:29	04:33	04:17	04:56	05:52	06:41	
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30	06:48	06:31	07:13	07:34	07:18		06:29	05:20	04:27	04:20	05:04	05:59	06:47	
31		06:33		07:34	07:17		06:27		04:26		05:05	06:00		



# LEVER DU SOLEIL - HANETS HA'HAMA

PARIS (75)

ת"ב

	2016				2017								
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP
01	07:08	07:51	07:38	08:23	08:44	08:21	07:32	07:28	06:30	05:52	05:51	06:24	07:07
02	07:09	07:52	07:40	08:24	08:44	08:19	07:31	07:26	06:28	05:51	05:52	06:25	07:09
03	07:11	07:54	07:41	08:26	08:44	08:18	07:29	07:24	06:27	05:50	05:53	06:27	07:10
04	07:12	07:55	07:43	08:27	08:44	08:16	07:27	07:22	06:25	05:50	05:53	06:28	07:12
05	07:13	07:57	07:44	08:28	08:44	08:15	07:24	07:20	06:24	05:49	05:54	06:29	07:13
06	07:15	07:58	07:46	08:29	08:43	08:13	07:22	07:18	06:22	05:49	05:55	06:31	07:15
07	07:16	07:59	07:48	08:30	08:43	08:12	07:20	07:16	06:20	05:48	05:56	06:32	07:16
08	07:18	08:01	07:49	08:31	08:43	08:10	07:18	07:14	06:19	05:48	05:56	06:34	07:17
09	07:19	08:02	07:51	08:32	08:42	08:09	07:16	07:12	06:17	05:48	05:57	06:35	07:19
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30	07:49	07:35	08:22	08:44	08:23		07:32	06:32	05:53	05:51	06:21	07:05	07:49
31		07:37		08:44	08:22		07:30		05:52		06:23	07:06	



1ère LIMITE DU CHEMA (Maguen Abraham)														
PARIS (75)													ט"ב	
	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
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02	09:38	09:58	09:18	09:41	09:57	09:53	09:30	09:51	09:10	08:34	08:32	09:08	09:38	
03	09:39	09:59	09:19	09:41	09:58	09:53	09:29	09:50	09:09	08:33	08:33	09:09	09:39	
04	09:40	10:00	09:20	09:42	09:58	09:52	09:28	09:48	09:07	08:32	08:34	09:10	09:40	
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06	09:41	10:01	09:21	09:43	09:58	09:51	09:25	09:46	09:05	08:31	08:36	09:13	09:41	
07	09:42	10:01	09:22	09:44	09:58	09:50	09:24	09:44	09:03	08:30	08:37	09:14	09:42	
08	09:43	10:02	09:23	09:45	09:58	09:49	09:23	09:43	09:02	08:30	08:38	09:15	09:43	
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11	09:45	10:04	09:25	09:47	09:59	09:47	09:20	09:39	08:58	08:28	08:41	09:18	09:45	
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14	09:47	10:06	09:27	09:49	09:59	09:45	09:16	09:35	08:55	08:27	08:45	09:21	09:47	
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17	09:49	10:08	09:29	09:50	09:58	09:43	09:12	09:30	08:51	08:26	08:49	09:24	09:49	
18	09:50	10:08	09:30	09:51	09:58	09:42	09:11	09:29	08:50	08:26	08:50	09:25	09:49	
19	09:50	10:09	09:31	09:52	09:58	09:41	09:10	09:28	08:49	08:26	08:51	09:26	09:50	
20	09:51	10:10	09:32	09:52	09:58	09:40	09:08	09:26	08:47	08:26	08:52	09:27	09:51	
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23	09:53	10:12	09:34	09:54	09:57	09:37	09:04	09:22	08:44	08:27	08:56	09:30	09:53	
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26	09:55	10:14	09:36	09:55	09:56	09:34	10:00	09:18	08:41	08:28	09:00	09:32	09:55	
27	09:55	10:14	09:37	09:55	09:56	09:33	09:59	09:17	08:40	08:28	09:01	09:33	09:55	
28	09:56	10:15	09:38	09:56	09:55	09:32	09:58	09:15	08:39	08:29	09:02	09:34	09:56	
29	09:57	10:16	09:38	09:56	09:55		09:56	09:14	08:38	08:30	09:03	09:35	09:56	
30	09:57	09:16	09:39	09:56	09:55		09:55	09:13	08:37	08:30	09:04	09:36	09:57	
31		09:17		09:57	09:54		09:54		08:36		09:06	09:36		



## 2d LIMITE DE LA TEPHILA (Hagra)

PARIS (75)

ד"ב

	2016				2017								
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP
01	11:35	11:43	10:55	11:14	11:31	11:29	11:13	11:46	11:22	11:09	11:13	11:25	11:35
02	11:36	11:43	10:55	11:14	11:31	11:29	11:12	11:45	11:21	11:09	11:13	11:26	11:36
03	11:36	11:43	10:56	11:15	11:31	11:29	11:11	11:44	11:20	11:09	11:14	11:26	11:36
04	11:36	11:44	10:56	11:16	11:31	11:28	11:10	11:43	11:20	11:09	11:14	11:26	11:36
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11	11:38	11:46	11:00	11:20	11:33	11:25	11:04	11:37	11:16	11:09	11:17	11:29	11:38
12	11:38	11:46	11:01	11:21	11:33	11:24	11:03	11:36	11:15	11:09	11:17	11:29	11:38
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25	11:41	11:51	11:10	11:28	11:32	11:16	10:52	11:26	11:11	11:11	11:22	11:33	11:41
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31		10:54		11:30	11:30		11:46		11:09		11:25	11:35	



MINHA GUEDOLA														
PARIS (75)													בס"ד	
	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
01	14:25	14:10	13:04	13:10	13:24	13:34	13:33	14:27	14:25	14:29	14:35	14:35	14:25	
02	14:24	14:10	13:04	13:10	13:25	13:34	13:33	14:27	14:25	14:29	14:35	14:35	14:24	
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16	14:17	14:06	13:06	13:17	13:31	13:35	13:29	14:25	14:26	14:32	14:37	14:31	14:17	
17	14:17	14:06	13:06	13:17	13:31	13:35	13:29	14:25	14:26	14:33	14:37	14:31	14:17	
18	14:16	14:06	13:06	13:17	13:31	13:35	13:29	14:25	14:26	14:33	14:37	14:30	14:16	
19	14:16	14:06	13:06	13:18	13:31	13:34	13:29	14:25	14:26	14:33	14:37	14:30	14:16	
20	14:15	14:05	13:06	13:18	13:32	13:34	13:29	14:25	14:26	14:33	14:37	14:30	14:15	
21	14:15	14:05	13:07	13:19	13:32	13:34	13:29	14:25	14:27	14:33	14:36	14:29	14:15	
22	14:14	14:05	13:07	13:19	13:32	13:34	13:29	14:25	14:27	14:34	14:36	14:29	14:14	
23	14:14	14:05	13:07	13:20	13:33	13:34	13:29	14:25	14:27	14:34	14:36	14:29	14:14	
24	14:13	14:05	13:07	13:20	13:33	13:34	13:28	14:25	14:27	14:34	14:36	14:28	14:13	
25	14:12	14:05	13:08	13:21	13:33	13:34	13:28	14:25	14:27	14:34	14:36	14:28	14:13	
26	14:12	14:05	13:08	13:21	13:33	13:34	14:28	14:25	14:28	14:34	14:36	14:27	14:12	
27	14:12	14:05	13:08	13:22	13:33	13:33	14:28	14:25	14:28	14:35	14:36	14:27	14:12	
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30	14:11	13:04	13:09	13:23	13:34		14:27	14:25	14:28	14:35	14:36	14:26	14:11	
31		13:04		13:24	13:34		14:27		14:29		14:35	14:25		



# PLAG HAMINHA

PARIS (75)

בס"ד

	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
01	19:09	18:17	16:29	16:03	16:13	16:50	17:26	19:02	19:36	20:07	20:17	19:55	19:09	
02	19:07	18:15	16:27	16:03	16:14	16:51	17:27	19:03	19:37	20:08	20:17	19:54	19:08	
03	19:06	18:13	16:26	16:03	16:15	16:52	17:28	19:04	19:38	20:09	20:17	19:53	19:06	
04	19:04	18:11	16:25	16:03	16:16	16:54	17:29	19:05	19:39	20:09	20:17	19:52	19:04	
05	19:02	18:10	16:24	16:02	16:17	16:55	17:31	19:06	19:40	20:10	20:16	19:50	19:03	
06	19:00	18:08	16:22	16:02	16:18	16:56	17:32	19:07	19:41	20:11	20:16	19:49	19:01	
07	18:59	18:06	16:21	16:02	16:19	16:58	17:33	19:08	19:42	20:11	20:16	19:48	18:59	
08	18:57	18:05	16:20	16:02	16:20	16:59	17:34	19:09	19:43	20:12	20:15	19:46	18:57	
09	18:55	18:03	16:19	16:02	16:21	17:00	17:35	19:11	19:45	20:13	20:15	19:45	18:56	
10	18:53	18:01	16:18	16:02	16:22	17:02	17:37	19:12	19:46	20:13	20:14	19:44	18:54	
11	18:52	18:00	16:17	16:02	16:23	17:03	17:38	19:13	19:47	20:14	20:14	19:42	18:52	
12	18:50	17:58	16:16	16:02	16:24	17:04	17:39	19:14	19:48	20:14	20:13	19:41	18:50	
13	18:48	17:57	16:15	16:02	16:26	17:06	17:40	19:15	19:49	20:15	20:13	19:39	18:49	
14	18:46	17:55	16:14	16:03	16:27	17:07	17:41	19:16	19:50	20:15	20:12	19:38	18:47	
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16	18:43	17:52	16:12	16:03	16:29	17:10	17:44	19:19	19:52	20:16	20:11	19:35	18:43	
17	18:41	17:50	16:11	16:04	16:30	17:11	17:45	19:20	19:53	20:16	20:10	19:34	18:42	
18	18:39	17:49	16:11	16:04	16:32	17:12	17:46	19:21	19:54	20:17	20:09	19:32	18:40	
19	18:38	17:47	16:10	16:04	16:33	17:13	17:47	19:22	19:55	20:17	20:08	19:30	18:38	
20	18:36	17:46	16:09	16:05	16:34	17:15	17:48	19:23	19:56	20:17	20:08	19:29	18:36	
21	18:34	17:44	16:08	16:05	16:35	17:16	17:49	19:24	19:57	20:17	20:07	19:27	18:35	
22	18:32	17:42	16:08	16:06	16:37	17:17	17:50	19:25	19:58	20:18	20:06	19:26	18:33	
23	18:31	17:41	16:07	16:06	16:38	17:18	17:51	19:26	19:59	20:18	20:05	19:24	18:31	
24	18:29	17:40	16:06	16:07	16:39	17:20	17:53	19:28	20:00	20:18	20:04	19:23	18:29	
25	18:27	17:38	16:06	16:08	16:41	17:21	17:54	19:29	20:01	20:18	20:03	19:21	18:28	
26	18:25	17:37	16:05	16:08	16:42	17:22	18:55	19:30	20:02	20:18	20:02	19:19	18:26	
27	18:24	17:35	16:05	16:09	16:43	17:23	18:56	19:31	20:03	20:18	20:01	19:18	18:24	
28	18:22	17:34	16:04	16:10	16:45	17:25	18:57	19:32	20:04	20:18	20:00	19:16	18:22	
29	18:20	17:33	16:04	16:11	16:46		18:58	19:33	20:05	20:18	19:59	19:14	18:21	
30	18:18	16:31	16:04	16:11	16:47		18:59	19:34	20:05	20:18	19:58	19:13	18:19	
31		16:30		16:12	16:48		19:01		20:06		19:56	19:11		



# COUCHER DU SOLEIL - CHEKI'A

PARIS (75)

בס"ד

	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
01	20:32	19:28	17:29	16:56	17:04	17:48	18:34	20:21	21:06	21:46	21:57	21:29	20:32	
02	20:30	19:26	17:28	16:55	17:05	17:50	18:35	20:23	21:07	21:46	21:57	21:27	20:30	
03	20:28	19:24	17:26	16:55	17:06	17:51	18:37	20:24	21:09	21:47	21:56	21:26	20:28	
04	20:26	19:22	17:24	16:54	17:07	17:53	18:39	20:26	21:10	21:48	21:56	21:24	20:26	
05	20:23	19:20	17:23	16:54	17:08	17:55	18:40	20:27	21:12	21:49	21:56	21:22	20:24	
06	20:21	19:18	17:21	16:54	17:10	17:56	18:42	20:29	21:13	21:50	21:55	21:21	20:22	
07	20:19	19:16	17:20	16:54	17:11	17:58	18:43	20:30	21:14	21:51	21:55	21:19	20:20	
08	20:17	19:14	17:19	16:53	17:12	18:00	18:45	20:32	21:16	21:51	21:54	21:18	20:18	
09	20:15	19:12	17:17	16:53	17:13	18:01	18:46	20:33	21:17	21:52	21:54	21:16	20:16	
10	20:13	19:10	17:16	16:53	17:15	18:03	18:48	20:35	21:19	21:53	21:53	21:14	20:13	
11	20:11	19:08	17:14	16:53	17:16	18:05	18:49	20:36	21:20	21:53	21:52	21:12	20:11	
12	20:09	19:06	17:13	16:53	17:17	18:06	18:51	20:38	21:21	21:54	21:51	21:11	20:09	
13	20:07	19:04	17:12	16:53	17:19	18:08	18:52	20:39	21:23	21:55	21:51	21:09	20:07	
14	20:04	19:02	17:11	16:53	17:20	18:09	18:54	20:41	21:24	21:55	21:50	21:07	20:05	
15	20:02	19:00	17:09	16:54	17:21	18:11	18:56	20:42	21:26	21:56	21:49	21:05	20:03	
16	20:00	18:58	17:08	16:54	17:23	18:13	18:57	20:44	21:27	21:56	21:48	21:04	20:01	
17	19:58	18:56	17:07	16:54	17:24	18:14	18:59	20:45	21:28	21:56	21:47	21:02	19:59	
18	19:56	18:54	17:06	16:55	17:26	18:16	19:00	20:47	21:30	21:57	21:46	21:00	19:56	
19	19:54	18:52	17:05	16:55	17:27	18:18	19:02	20:48	21:31	21:57	21:45	20:58	19:54	
20	19:52	18:50	17:04	16:55	17:29	18:19	19:03	20:50	21:32	21:57	21:44	20:56	19:52	
21	19:50	18:48	17:03	16:56	17:30	18:21	19:05	20:51	21:33	21:58	21:43	20:54	19:50	
22	19:47	18:47	17:02	16:56	17:32	18:23	19:06	20:53	21:35	21:58	21:42	20:52	19:48	
23	19:45	18:45	17:01	16:57	17:33	18:24	19:08	20:54	21:36	21:58	21:41	20:50	19:46	
24	19:43	18:43	17:00	16:58	17:35	18:26	19:09	20:56	21:37	21:58	21:39	20:48	19:44	
25	19:41	18:41	17:00	16:58	17:37	18:27	19:11	20:57	21:38	21:58	21:38	20:46	19:42	
26	19:39	18:39	16:59	16:59	17:38	18:29	20:12	20:58	21:39	21:58	21:37	20:44	19:39	
27	19:37	18:38	16:58	17:00	17:40	18:31	20:14	21:00	21:40	21:58	21:36	20:42	19:37	
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29	19:33	18:34	16:57	17:01	17:43		20:17	21:03	21:42	21:58	21:33	20:38	19:33	
30	19:30	17:33	16:56	17:02	17:45		20:18	21:04	21:44	21:57	21:31	20:36	19:31	
31		17:31		17:03	17:46		20:20		21:45		21:30	20:34		



# APPARITION DES ETOILES POUR LE CHEMA

PARIS (75)

ד'תשפ"א

	2016				2017									
	SEP	OCT	NOV	DEC	JAN	FEV	MAR	AVR	MAI	JUIN	JUIL	AOU	SEP	
01	21:18	20:13	18:16	17:47	17:56	18:36	19:19	21:07	21:57	22:45	22:58	22:22	21:19	
02	21:16	20:11	18:14	17:46	17:57	18:37	19:20	21:09	21:59	22:46	22:58	22:20	21:17	
03	21:14	20:09	18:13	17:46	17:58	18:39	19:22	21:10	22:00	22:47	22:57	22:18	21:15	
04	21:12	20:07	18:12	17:46	17:59	18:40	19:23	21:12	22:02	22:49	22:57	22:17	21:12	
05	21:10	20:05	18:10	17:45	18:00	18:42	19:25	21:13	22:04	22:50	22:56	22:15	21:10	
06	21:07	20:03	18:09	17:45	18:01	18:43	19:26	21:15	22:06	22:51	22:56	22:13	21:08	
07	21:05	20:01	18:07	17:45	18:02	18:45	19:28	21:17	22:07	22:52	22:55	22:11	21:06	
08	21:03	19:59	18:06	17:45	18:03	18:46	19:29	21:18	22:09	22:53	22:54	22:09	21:03	
09	21:01	19:57	18:05	17:45	18:04	18:48	19:31	21:20	22:11	22:53	22:53	22:07	21:01	
10	20:59	19:55	18:04	17:45	18:05	18:49	19:33	21:22	22:12	22:54	22:52	22:05	20:59	
11	20:56	19:53	18:02	17:45	18:07	18:51	19:34	21:23	22:14	22:55	22:51	22:03	20:57	
12	20:54	19:51	18:01	17:45	18:08	18:52	19:36	21:25	22:16	22:56	22:50	22:01	20:55	
13	20:52	19:49	18:00	17:45	18:09	18:54	19:37	21:27	22:17	22:56	22:49	21:59	20:52	
14	20:50	19:47	17:59	17:45	18:10	18:56	19:39	21:28	22:19	22:57	22:48	21:57	20:50	
15	20:47	19:45	17:58	17:46	18:12	18:57	19:40	21:30	22:21	22:57	22:47	21:55	20:48	
16	20:45	19:43	17:57	17:46	18:13	18:59	19:42	21:32	22:22	22:58	22:46	21:53	20:46	
17	20:43	19:41	17:56	17:46	18:14	19:00	19:43	21:33	22:24	22:58	22:45	21:51	20:44	
18	20:41	19:39	17:55	17:47	18:16	19:02	19:45	21:35	22:25	22:59	22:44	21:49	20:41	
19	20:39	19:38	17:54	17:47	18:17	19:03	19:46	21:37	22:27	22:59	22:42	21:47	20:39	
20	20:36	19:36	17:53	17:47	18:18	19:05	19:48	21:38	22:29	22:59	22:41	21:45	20:37	
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23	20:30	19:30	17:51	17:49	18:22	19:09	19:53	21:43	22:33	23:00	22:37	21:39	20:30	
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25	20:26	19:27	17:50	17:50	18:25	19:12	19:56	21:47	22:36	23:00	22:34	21:34	20:26	
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31		18:17		17:55	18:34		21:05		22:44		22:24	21:21		