

Şehirler (Cities)		Bakü Baku			Astana			Kabil Kabool			Karaçi Karachi		
Anten Çapı (Antenna Diameter)	Tarih (Date)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)
1.8 m.	Feb 27				09:33:18	09:36:27	09:39:35						
	Feb 28				09:31:42	09:36:16	09:40:50						
	Mar 1				09:30:51	09:36:04	09:41:17						
	Mar 2	09:24:28	09:28:10	09:31:51	09:30:30	09:35:53	09:41:15						
	Mar 3	09:23:08	09:27:57	09:32:47	09:30:35	09:35:40	09:40:46						
	Mar 4	09:22:26	09:27:45	09:33:03	09:31:12	09:35:27	09:39:43	09:35:04	09:38:30	09:41:55			
	Mar 5	09:22:12	09:27:31	09:32:50	09:32:54	09:35:14	09:37:35	09:33:34	09:38:16	09:42:59			
	Mar 6	09:22:26	09:27:18	09:32:09				09:32:47	09:38:03	09:43:19			
	Mar 7	09:23:19	09:27:04	09:30:48				09:32:29	09:37:49	09:43:09	09:36:26	09:38:23	09:40:19
	Mar 8							09:32:38	09:37:34	09:42:30	09:34:02	09:38:08	09:42:15
	Mar 9							09:33:25	09:37:19	09:41:14	09:32:52	09:37:53	09:42:54
	Mar 10							09:35:55	09:37:04	09:38:13	09:32:18	09:37:38	09:42:59
	Mar 11										09:32:11	09:37:23	09:42:34
	Mar 12										09:32:35	09:37:07	09:41:38
Mar 13										09:33:50	09:36:50	09:39:50	
3.0 m.	Feb 28				09:33:40	09:36:16	09:38:52						
	Mar 1				09:32:27	09:36:05	09:39:42						
	Mar 2				09:32:01	09:35:53	09:39:44						
	Mar 3	09:24:55	09:27:57	09:31:00	09:32:14	09:35:40	09:39:07						
	Mar 4	09:23:59	09:27:45	09:31:31	09:33:26	09:35:28	09:37:29						
	Mar 5	09:23:44	09:27:31	09:31:18				09:35:25	09:38:17	09:41:08			
	Mar 6	09:24:12	09:27:18	09:30:24				09:34:20	09:38:03	09:41:45			
	Mar 7	09:26:49	09:27:04	09:27:18				09:34:00	09:37:49	09:41:37			
	Mar 8							09:34:21	09:37:34	09:40:48	09:36:24	09:38:08	09:39:52
	Mar 9							09:36:09	09:37:19	09:38:30	09:34:32	09:37:53	09:41:15
	Mar 10										09:33:48	09:37:38	09:41:28
	Mar 11										09:33:45	09:37:23	09:41:00
	Mar 12										09:34:32	09:37:07	09:39:41
5.0 m.	Feb 28				09:35:30	09:36:16	09:37:02						
	Mar 1				09:33:26	09:36:05	09:38:43						
	Mar 2				09:32:56	09:35:53	09:38:49						
	Mar 3	09:26:12	09:27:57	09:29:43	09:33:18	09:35:40	09:38:03						
	Mar 4	09:24:55	09:27:45	09:30:34									
	Mar 5	09:24:40	09:27:31	09:30:22				09:36:52	09:38:17	09:39:41			
	Mar 6	09:25:26	09:27:18	09:29:09				09:35:18	09:38:03	09:40:48			
	Mar 7							09:34:55	09:37:49	09:40:42			
	Mar 8							09:35:31	09:37:34	09:39:38			
	Mar 9										09:35:37	09:37:53	09:40:09
	Mar 10										09:34:43	09:37:38	09:40:33
	Mar 11										09:34:44	09:37:23	09:40:01
	Mar 12										09:36:25	09:37:07	09:37:48

Not: Hesaplamalarda anten hüzmeye genişliği (antenna beamwidth) geniş (**kötümser**) alınmıştır. Kullanılan frekans, Ku band uplink frekansının merkezi seçilmiştir. Zamanlar **GMT**'ye göre verilmiştir. Tabloda verilen şehirlerden farklı bir yerden yayın yapıyorsanız size en yakın merkezin değerlerini kullanabilirsiniz. *Türkiye yerel saati GMT+2'dir.*

Note: The calculations are performed regarding wide (**pessimistic**) beamwidth and center frequency of Ku Band uplink. If your earth station place is not in the table, you can use the place above nearest your transmission place. Please note that all times are in **GMT**.

TÜRKSAT-3A Ku BANDI İÇİN 2011 İLKBAHAR DÖNEMİ GÜNEŞ ETKİ (SOLAR OUTAGE) ZAMANLARI (DOWNLINK)
Solar Outage Times in Spring 2011 for Ku band of Turksat 3A (DOWNLINK)

Şehirler (Cities)		İstanbul			Ankara			Van			Bağdat Baghdad		
Anten Çapı (Antenna Diameter)	Tarih (Date)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)
0.6 m.	Feb 23	09:12:40	09:18:35	09:24:30	09:16:23	09:20:26	09:24:29						
	Feb 24	09:09:47	09:18:26	09:27:06	09:12:39	09:20:17	09:27:55	09:19:23	09:25:56	09:32:28			
	Feb 25	09:07:46	09:18:17	09:28:49	09:10:21	09:20:08	09:29:55	09:16:43	09:25:47	09:34:50	09:23:21	09:26:27	09:29:32
	Feb 26	09:06:13	09:18:08	09:30:03	09:08:37	09:19:58	09:31:20	09:14:48	09:25:37	09:36:26	09:19:02	09:26:17	09:33:31
	Feb 27	09:04:58	09:17:58	09:30:57	09:07:14	09:19:48	09:32:22	09:13:18	09:25:27	09:37:36	09:16:34	09:26:07	09:35:39
	Feb 28	09:03:57	09:17:47	09:31:37	09:06:07	09:19:38	09:33:08	09:12:05	09:25:16	09:38:27	09:14:45	09:25:56	09:37:07
	Mar 01	09:03:08	09:17:36	09:32:03	09:05:13	09:19:26	09:33:39	09:11:06	09:25:05	09:39:03	09:13:18	09:25:45	09:38:11
	Mar 02	09:02:29	09:17:24	09:32:19	09:04:30	09:19:15	09:33:59	09:10:19	09:24:53	09:39:27	09:12:09	09:25:33	09:38:57
	Mar 03	09:02:00	09:17:12	09:32:24	09:03:57	09:19:02	09:34:08	09:09:42	09:24:41	09:39:39	09:11:12	09:25:21	09:39:29
	Mar 04	09:01:39	09:16:59	09:32:18	09:03:32	09:18:50	09:34:07	09:09:14	09:24:28	09:39:42	09:10:27	09:25:08	09:39:49
	Mar 05	09:01:28	09:16:46	09:32:03	09:03:17	09:18:36	09:33:56	09:08:55	09:24:15	09:39:34	09:09:51	09:24:55	09:39:58
	Mar 06	09:01:26	09:16:32	09:31:38	09:03:11	09:18:23	09:33:35	09:08:46	09:24:01	09:39:16	09:09:26	09:24:41	09:39:56
	Mar 07	09:01:33	09:16:18	09:31:03	09:03:14	09:18:09	09:33:03	09:08:45	09:23:47	09:38:49	09:09:09	09:24:27	09:39:45
	Mar 08	09:01:51	09:16:04	09:30:16	09:03:27	09:17:54	09:32:21	09:08:55	09:23:33	09:38:10	09:09:02	09:24:13	09:39:24
	Mar 09	09:02:21	09:15:49	09:29:17	09:03:52	09:17:40	09:31:27	09:09:15	09:23:18	09:37:21	09:09:04	09:23:58	09:38:52
	Mar 10	09:03:04	09:15:34	09:28:03	09:04:29	09:17:24	09:30:19	09:09:47	09:23:03	09:36:18	09:09:16	09:23:42	09:38:09
	Mar 11	09:04:06	09:15:18	09:26:31	09:05:23	09:17:09	09:28:55	09:10:34	09:22:47	09:34:59	09:09:39	09:23:27	09:37:15
Mar 12	09:05:32	09:15:02	09:24:32	09:06:38	09:16:53	09:27:08	09:11:41	09:22:31	09:33:21	09:10:16	09:23:11	09:36:06	
Mar 13	09:07:42	09:14:46	09:21:50	09:08:26	09:16:37	09:24:47	09:13:15	09:22:15	09:31:14	09:11:08	09:22:55	09:34:41	
Mar 14	09:12:21	09:14:30	09:16:38	09:11:30	09:16:20	09:21:11	09:15:42	09:21:58	09:28:15	09:12:22	09:22:38	09:32:54	
Mar 15										09:14:10	09:22:22	09:30:33	
Mar 16										09:17:12	09:22:04	09:26:57	
0.9 m.	Feb 26	09:13:28	09:18:08	09:22:48	09:16:59	09:19:59	09:22:58						
	Feb 27	09:10:59	09:17:58	09:24:57	09:13:39	09:19:48	09:25:58	09:20:11	09:25:27	09:30:42			
	Feb 28	09:09:20	09:17:47	09:26:14	09:11:44	09:19:38	09:27:32	09:17:56	09:25:16	09:32:36	09:23:37	09:25:56	09:28:15
	Mar 01	09:08:09	09:17:36	09:27:03	09:10:22	09:19:26	09:28:31	09:16:23	09:25:05	09:33:46	09:19:49	09:25:45	09:31:40
	Mar 02	09:07:16	09:17:24	09:27:32	09:09:22	09:19:15	09:29:07	09:15:16	09:24:53	09:34:30	09:17:47	09:25:33	09:33:18
	Mar 03	09:06:39	09:17:12	09:27:45	09:08:38	09:19:02	09:29:27	09:14:26	09:24:41	09:34:55	09:16:22	09:25:21	09:34:19
	Mar 04	09:06:15	09:16:59	09:27:43	09:08:09	09:18:50	09:29:31	09:13:51	09:24:28	09:35:04	09:15:19	09:25:08	09:34:57
	Mar 05	09:06:04	09:16:46	09:27:28	09:07:52	09:18:37	09:29:21	09:13:30	09:24:15	09:34:59	09:14:33	09:24:55	09:35:16
	Mar 06	09:06:07	09:16:32	09:26:58	09:07:49	09:18:23	09:28:57	09:13:22	09:24:01	09:34:40	09:14:01	09:24:41	09:35:20
	Mar 07	09:06:24	09:16:18	09:26:13	09:08:00	09:18:09	09:28:18	09:13:28	09:23:47	09:34:06	09:13:44	09:24:27	09:35:10
	Mar 08	09:06:58	09:16:04	09:25:10	09:08:27	09:17:54	09:27:22	09:13:48	09:23:32	09:33:17	09:13:39	09:24:12	09:34:46
	Mar 09	09:07:56	09:15:49	09:23:43	09:09:14	09:17:40	09:26:06	09:14:27	09:23:18	09:32:08	09:13:48	09:23:58	09:34:07
	Mar 10	09:09:29	09:15:34	09:21:39	09:10:30	09:17:24	09:24:19	09:15:31	09:23:02	09:30:34	09:14:14	09:23:42	09:33:11
	Mar 11	09:12:43	09:15:18	09:17:53	09:12:44	09:17:09	09:21:34	09:17:18	09:22:47	09:28:16	09:15:00	09:23:27	09:31:54
Mar 12										09:16:14	09:23:11	09:30:08	
Mar 13										09:18:26	09:22:55	09:27:23	
1.2 m.	Feb 27	09:15:48	09:17:58	09:20:07									
	Feb 28	09:12:34	09:17:47	09:23:00	09:15:21	09:19:38	09:23:54	09:22:09	09:25:16	09:28:23			
	Mar 01	09:10:52	09:17:36	09:24:19	09:13:16	09:19:26	09:25:37	09:19:29	09:25:05	09:30:41			
	Mar 02	09:09:45	09:17:24	09:25:03	09:11:56	09:19:15	09:26:33	09:17:55	09:24:53	09:31:50	09:21:32	09:25:33	09:29:34
	Mar 03	09:08:59	09:17:12	09:25:24	09:11:02	09:19:02	09:27:03	09:16:53	09:24:41	09:32:28	09:19:17	09:25:21	09:31:24
	Mar 04	09:08:33	09:16:59	09:25:25	09:10:27	09:18:50	09:27:12	09:16:11	09:24:28	09:32:44	09:17:53	09:25:08	09:32:22
	Mar 05	09:08:22	09:16:46	09:25:09	09:10:10	09:18:36	09:27:03	09:15:48	09:24:15	09:32:42	09:16:57	09:24:55	09:32:53
	Mar 06	09:08:29	09:16:32	09:24:35	09:10:09	09:18:23	09:26:36	09:15:41	09:24:01	09:32:21	09:16:20	09:24:41	09:33:02
	Mar 07	09:08:56	09:16:18	09:23:40	09:10:28	09:18:09	09:25:50	09:15:52	09:23:47	09:31:42	09:16:01	09:24:27	09:32:53
	Mar 08	09:09:50	09:16:04	09:22:17	09:11:09	09:17:54	09:24:40	09:16:24	09:23:33	09:30:41	09:15:59	09:24:12	09:32:26
	Mar 09	09:11:31	09:15:49	09:20:07	09:12:26	09:17:39	09:22:53	09:17:26	09:23:18	09:29:10	09:16:16	09:23:58	09:31:40
	Mar 10				09:15:24	09:17:24	09:19:25	09:19:27	09:23:02	09:26:38	09:16:55	09:23:42	09:30:29
Mar 11										09:18:11	09:23:27	09:28:43	
Mar 12										09:21:03	09:23:11	09:25:19	
1.8 m.	Mar 01	09:14:11	09:17:36	09:21:00	09:17:17	09:19:26	09:21:35						
	Mar 02	09:12:24	09:17:24	09:22:24	09:14:46	09:19:15	09:23:43	09:21:02	09:24:53	09:28:45			
	Mar 03	09:11:23	09:17:12	09:23:00	09:13:30	09:19:02	09:24:35	09:19:27	09:24:41	09:29:54	09:23:34	09:25:20	09:27:07
	Mar 04	09:10:50	09:16:59	09:23:07	09:12:47	09:18:50	09:24:53	09:18:33	09:24:28	09:30:23	09:20:46	09:25:08	09:29:29
	Mar 05	09:10:41	09:16:46	09:22:50	09:12:28	09:18:37	09:24:45	09:18:05	09:24:15	09:30:24	09:19:26	09:24:55	09:30:23
	Mar 06	09:10:56	09:16:32	09:22:08	09:12:32	09:18:23	09:24:14	09:18:01	09:24:01	09:30:01	09:18:39	09:24:41	09:30:43
	Mar 07	09:11:44	09:16:18	09:20:52	09:13:05	09:18:09	09:23:13	09:18:23	09:23:47	09:29:12	09:18:18	09:24:27	09:30:36
	Mar 08	09:13:44	09:16:04	09:18:23	09:14:24	09:17:54	09:21:25	09:19:21	09:23:33	09:27:45	09:18:21	09:24:12	09:30:04
	Mar 09							09:22:17	09:23:18	09:24:19	09:18:52	09:23:58	09:29:03
	Mar 10										09:20:09	09:23:42	09:27:16

Şehirler (Cities)		Bakü Baku			Astana			Kabil Kabul			Karaçi Karachi		
Anten Çapı (Antenna Diameter)	Tarih (Date)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)
0.6 m.	Feb 20				09:33:04	09:37:27	09:41:50						
	Feb 21				09:29:35	09:37:20	09:45:05						
	Feb 22				09:27:22	09:37:13	09:47:04						
	Feb 23	09:24:11	09:29:21	09:34:30	09:25:41	09:37:05	09:48:28						
	Feb 24	09:21:00	09:29:12	09:37:25	09:24:21	09:36:56	09:49:31						
	Feb 25	09:18:51	09:29:03	09:39:15	09:23:16	09:36:47	09:50:17	09:35:47	09:39:49	09:43:51			
	Feb 26	09:17:13	09:28:53	09:40:33	09:22:24	09:36:37	09:50:50	09:32:00	09:39:39	09:47:18			
	Feb 27	09:15:55	09:28:43	09:41:31	09:21:42	09:36:27	09:51:12	09:29:40	09:39:29	09:49:18			
	Feb 28	09:14:51	09:28:32	09:42:13	09:21:09	09:36:16	09:51:22	09:27:54	09:39:18	09:50:41			
	Mar 01	09:14:00	09:28:21	09:42:42	09:20:46	09:36:05	09:51:23	09:26:31	09:39:07	09:51:42	09:34:08	09:39:41	09:45:13
	Mar 02	09:13:19	09:28:09	09:43:00	09:20:31	09:35:53	09:51:14	09:25:23	09:38:55	09:52:27	09:30:59	09:39:29	09:47:58
	Mar 03	09:12:48	09:27:57	09:43:06	09:20:25	09:35:40	09:50:56	09:24:28	09:38:43	09:52:57	09:28:51	09:39:16	09:49:42
	Mar 04	09:12:26	09:27:44	09:43:03	09:20:28	09:35:28	09:50:27	09:23:45	09:38:30	09:53:15	09:27:12	09:39:04	09:50:56
	Mar 05	09:12:13	09:27:31	09:42:50	09:20:41	09:35:14	09:49:48	09:23:11	09:38:17	09:53:22	09:25:52	09:38:50	09:51:49
	Mar 06	09:12:08	09:27:17	09:42:26	09:21:04	09:35:01	09:48:57	09:22:46	09:38:03	09:53:19	09:24:48	09:38:37	09:52:26
	Mar 07	09:12:14	09:27:03	09:41:53	09:21:40	09:34:46	09:47:53	09:22:31	09:37:49	09:53:07	09:23:56	09:38:23	09:52:50
	Mar 08	09:12:30	09:26:49	09:41:08	09:22:31	09:34:32	09:46:33	09:22:25	09:37:34	09:52:44	09:23:15	09:38:08	09:53:02
	Mar 09	09:12:57	09:26:34	09:40:11	09:23:42	09:34:17	09:44:52	09:22:28	09:37:19	09:52:11	09:22:43	09:37:53	09:53:03
	Mar 10	09:13:37	09:26:19	09:39:00	09:25:23	09:34:02	09:42:40	09:22:42	09:37:04	09:51:26	09:22:22	09:37:38	09:52:55
	Mar 11	09:14:35	09:26:03	09:37:32	09:28:05	09:33:46	09:39:27	09:23:07	09:36:49	09:50:30	09:22:09	09:37:23	09:52:36
Mar 12	09:15:56	09:25:47	09:35:39				09:23:46	09:36:33	09:49:20	09:22:07	09:37:07	09:52:07	
Mar 13	09:17:55	09:25:31	09:33:07				09:24:41	09:36:16	09:47:52	09:22:14	09:36:50	09:51:27	
Mar 14	09:21:36	09:25:15	09:28:54				09:25:59	09:36:00	09:46:01	09:22:32	09:36:34	09:50:36	
Mar 15							09:27:53	09:35:43	09:43:33	09:23:03	09:36:17	09:49:32	
Mar 16							09:31:16	09:35:26	09:39:36	09:23:48	09:36:00	09:48:12	
Mar 17										09:24:53	09:35:43	09:46:33	
Mar 18										09:26:26	09:35:25	09:44:25	
Mar 19										09:28:52	09:35:08	09:41:24	
0.9 m.	Feb 23				09:34:06	09:37:05	09:40:04						
	Feb 24				09:30:49	09:36:56	09:43:04						
	Feb 25				09:28:55	09:36:47	09:44:39						
	Feb 26	09:24:53	09:28:54	09:32:54	09:27:35	09:36:37	09:45:40						
	Feb 27	09:22:06	09:28:43	09:35:21	09:26:36	09:36:27	09:46:18						
	Feb 28	09:20:20	09:28:33	09:36:45	09:25:53	09:36:16	09:46:40	09:36:08	09:39:18	09:42:28			
	Mar 01	09:19:04	09:28:21	09:37:38	09:25:23	09:36:05	09:46:46	09:32:52	09:39:07	09:45:22			
	Mar 02	09:18:08	09:28:09	09:38:11	09:25:07	09:35:53	09:46:39	09:30:57	09:38:55	09:46:53			
	Mar 03	09:17:28	09:27:57	09:38:27	09:25:03	09:35:41	09:46:18	09:29:36	09:38:43	09:47:50			
	Mar 04	09:17:01	09:27:44	09:38:27	09:25:13	09:35:28	09:45:43	09:28:35	09:38:30	09:48:25	09:34:24	09:39:04	09:43:44
	Mar 05	09:16:48	09:27:31	09:38:14	09:25:38	09:35:15	09:44:51	09:27:52	09:38:17	09:48:42	09:31:50	09:38:51	09:45:52
	Mar 06	09:16:48	09:27:18	09:37:47	09:26:22	09:35:01	09:43:40	09:27:22	09:38:03	09:48:44	09:30:08	09:38:37	09:47:06
	Mar 07	09:17:02	09:27:04	09:37:05	09:27:33	09:34:47	09:42:01	09:27:06	09:37:49	09:48:32	09:28:54	09:38:23	09:47:52
	Mar 08	09:17:33	09:26:49	09:36:05	09:29:33	09:34:32	09:39:32	09:27:04	09:37:35	09:48:06	09:28:00	09:38:09	09:48:18
	Mar 09	09:18:25	09:26:34	09:34:43				09:27:15	09:37:20	09:47:24	09:27:21	09:37:54	09:48:27
	Mar 10	09:19:50	09:26:19	09:32:48				09:27:43	09:37:05	09:46:26	09:26:56	09:37:39	09:48:21
	Mar 11	09:22:30	09:26:03	09:29:37				09:28:32	09:36:49	09:45:06	09:26:45	09:37:23	09:48:01
	Mar 12							09:29:52	09:36:33	09:43:14	09:26:48	09:37:07	09:47:26
	Mar 13							09:32:19	09:36:17	09:40:14	09:27:06	09:36:51	09:46:35
	Mar 14										09:27:43	09:36:34	09:45:26
Mar 15										09:28:45	09:36:17	09:43:50	
Mar 16										09:30:29	09:36:00	09:41:31	
1.2 m.	Feb 25				09:32:37	09:36:47	09:40:57						
	Feb 26				09:30:30	09:36:37	09:42:44						
	Feb 27				09:29:11	09:36:27	09:43:43						
	Feb 28	09:23:43	09:28:32	09:33:21	09:28:17	09:36:16	09:44:15						
	Mar 01	09:21:52	09:28:21	09:34:50	09:27:42	09:36:05	09:44:27						
	Mar 02	09:20:39	09:28:09	09:35:40	09:27:25	09:35:53	09:44:21	09:34:31	09:38:55	09:43:19			
	Mar 03	09:19:50	09:27:57	09:36:04	09:27:23	09:35:40	09:43:58	09:32:27	09:38:43	09:44:58			
	Mar 04	09:19:19	09:27:44	09:36:09	09:27:40	09:35:28	09:43:16	09:31:08	09:38:30	09:45:52			
	Mar 05	09:19:06	09:27:31	09:35:56	09:28:18	09:35:14	09:42:11	09:30:14	09:38:17	09:46:19	09:36:30	09:38:50	09:41:10
	Mar 06	09:19:09	09:27:17	09:35:25	09:29:28	09:35:01	09:40:33	09:29:40	09:38:03	09:46:26	09:33:18	09:38:37	09:43:55
	Mar 07	09:19:32	09:27:03	09:34:34	09:31:54	09:34:47	09:37:39	09:29:23	09:37:49	09:46:14	09:31:35	09:38:23	09:45:10
	Mar 08	09:20:20	09:26:49	09:33:18				09:29:24	09:37:34	09:45:45	09:30:26	09:38:08	09:45:50
	Mar 09	09:21:49	09:26:34	09:31:19				09:29:44	09:37:20	09:44:56	09:29:40	09:37:53	09:46:06
	Mar 10							09:30:27	09:37:04	09:43:41	09:29:13	09:37:38	09:46:03
	Mar 11							09:31:50	09:36:49	09:41:47	09:29:03	09:37:22	09:45:42
Mar 12							09:35:36	09:36:33	09:37:29	09:29:11	09:37:07	09:45:02	
Mar 13										09:29:41	09:36:50	09:44:00	
Mar 14										09:30:40	09:36:34	09:42:28	
Mar 15										09:32:38	09:36:17	09:39:56	

Şehirler (Cities)		Bakü Baku			Astana			Kabil Kabul			Karaçi Karachi		
Anten Çapı (Antenna Diameter)	Tarih (Date)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)	Başlangıç (Begin)	Tepe (Peak)	Bitiş (End)
1.8 m.	Feb 26				09:34:43	09:36:37	09:38:31						
	Feb 27				09:32:05	09:36:27	09:40:49						
	Feb 28				09:30:47	09:36:16	09:41:45						
	Mar 01	09:25:26	09:28:21	09:31:16	09:30:03	09:36:05	09:42:07						
	Mar 02	09:23:23	09:28:09	09:32:56	09:29:42	09:35:53	09:42:03						
	Mar 03	09:22:15	09:27:57	09:33:39	09:29:45	09:35:40	09:41:36	09:36:19	09:38:43	09:41:06			
	Mar 04	09:21:38	09:27:44	09:33:51	09:30:14	09:35:28	09:40:41	09:33:56	09:38:30	09:43:04			
	Mar 05	09:21:24	09:27:31	09:33:38	09:31:25	09:35:14	09:39:04	09:32:41	09:38:17	09:43:52			
	Mar 06	09:21:34	09:27:17	09:33:01				09:31:59	09:38:03	09:44:07			
	Mar 07	09:22:15	09:27:03	09:31:52				09:31:41	09:37:49	09:43:57	09:34:48	09:38:23	09:41:58
	Mar 08	09:23:53	09:26:49	09:29:45				09:31:47	09:37:34	09:43:21	09:33:02	09:38:08	09:43:14
	Mar 09							09:32:23	09:37:19	09:42:16	09:32:02	09:37:53	09:43:45
	Mar 10							09:33:50	09:37:04	09:40:18	09:31:30	09:37:38	09:43:46
	Mar 11										09:31:22	09:37:23	09:43:23
	Mar 12										09:31:41	09:37:07	09:42:33
Mar 13										09:32:35	09:36:51	09:41:06	
Mar 14										09:35:18	09:36:34	09:37:50	

Not: Hesaplamalarda anten hüzme genişliği (antenna beamwidth) geniş (**kötümser**) alınmıştır. Kullanılan frekans, Ku band downlink frekansının merkezi seçilmiştir. Zamanlar **GMT**' ye göre verilmiştir. Tabloda verilen şehirlerden farklı bir yerden yayın yapıyorsanız size en yakın merkezin değerlerini kullanabilirsiniz. *Türkiye yerel saati GMT+2'dir.*

Note: The calculations are performed regarding wide (**pessimistic**) beamwidth and center frequency of Ku Band downlink. If your earth station place is not in the table, you can use the place above nearest your transmission place. Please note that all times are in **GMT**.