

TÜRKSAT-3A Ku BANDI İÇİN 2010 SONBAHAR DÖNEMİ GÜNEŞ ETKİ (SOLAR OUTAGE) ZAMANLARI (UPLINK)
Solar Outage Times in Autumn 2010 for Ku band of Türksat 3A (UPLINK)

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)
1.8 m.	Oct 4										08:59	09:02	09:05
	Oct 5										08:57	09:02	09:06
	Oct 6	08:52	08:53	08:55	08:52	08:55	08:58	08:57	09:01	09:04	08:56	09:01	09:06
	Oct 7	08:49	08:53	08:57	08:50	08:55	08:59	08:56	09:00	09:05	08:56	09:01	09:06
	Oct 8	08:48	08:53	08:57	08:50	08:55	08:59	08:55	09:00	09:05	08:56	09:01	09:05
	Oct 9	08:47	08:52	08:57	08:49	08:54	08:59	08:55	09:00	09:05	08:57	09:00	09:04
	Oct 10	08:47	08:52	08:57	08:49	08:54	08:59	08:55	08:59	09:04	08:58	09:00	09:02
Oct 11	08:47	08:52	08:56	08:50	08:54	08:58	08:56	08:59	09:03				
Oct 12	08:48	08:52	08:55	08:51	08:53	08:56							
3.0 m.	Oct 5										08:59	09:02	09:04
	Oct 6							09:00	09:01	09:01	08:58	09:01	09:05
	Oct 7	08:52	08:53	08:55	08:53	08:55	08:58	08:57	09:00	09:03	08:57	09:01	09:05
	Oct 8	08:50	08:53	08:56	08:51	08:55	08:58	08:56	09:00	09:04	08:58	09:01	09:04
	Oct 9	08:49	08:53	08:56	08:51	08:55	08:58	08:56	09:00	09:03	08:59	09:00	09:02
	Oct 10	08:49	08:52	08:56	08:51	08:54	08:57	08:57	08:59	09:02			
	Oct 11	08:50	08:52	08:55	08:52	08:54	08:56						
Oct 12													
5.0 m.	Oct 5										09:01	09:02	09:03
	Oct 6										08:59	09:02	09:04
	Oct 7				08:55	08:55	08:56	08:59	09:01	09:02	08:59	09:01	09:04
	Oct 8	08:51	08:53	08:55	08:52	08:55	08:57	08:58	09:00	09:03	08:59	09:01	09:03
	Oct 9	08:50	08:52	08:55	08:52	08:55	08:57	08:58	09:00	09:03			
	Oct 10	08:50	08:52	08:54	08:52	08:54	08:56	08:58	09:00	09:01			
	Oct 11	08:51	08:52	08:53									
Şehirler (Cities)		Madrid			Londra London			Berlin			Belgrat Belgrade		
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.	Oct 5	08:39	08:40	08:41									
	Oct 6	08:36	08:40	08:43									
	Oct 7	08:35	08:39	08:44							08:47	08:50	08:52
	Oct 8	08:34	08:39	08:44							08:45	08:49	08:53
	Oct 9	08:34	08:39	08:44	08:40	08:44	08:47	08:46	08:48	08:51	08:44	08:49	08:54
	Oct 10	08:34	08:38	08:43	08:39	08:44	08:48	08:44	08:48	08:52	08:44	08:49	08:54
	Oct 11	08:35	08:38	08:42	08:38	08:43	08:48	08:43	08:48	08:53	08:44	08:49	08:53
	Oct 12				08:38	08:43	08:48	08:42	08:47	08:53	08:44	08:48	08:53
	Oct 13				08:38	08:43	08:47	08:42	08:47	08:52	08:45	08:48	08:51
	Oct 14				08:39	08:43	08:46	08:43	08:47	08:51			
Oct 15				08:41	08:42	08:43	08:44	08:47	08:49				
3.0 m.	Oct 6	08:39	08:40	08:41									
	Oct 7	08:37	08:39	08:42									
	Oct 8	08:36	08:39	08:43							08:47	08:49	08:51
	Oct 9	08:35	08:39	08:42	08:43	08:44	08:44				08:46	08:49	08:52
	Oct 10	08:36	08:39	08:41	08:41	08:43	08:46	08:46	08:48	08:50	08:45	08:49	08:52
	Oct 11				08:40	08:43	08:47	08:45	08:48	08:51	08:45	08:48	08:52
	Oct 12				08:39	08:43	08:46	08:44	08:48	08:51	08:46	08:48	08:50
	Oct 13				08:40	08:43	08:46	08:44	08:47	08:51			
5.0 m.	Oct 7	08:38	08:39	08:41									
	Oct 8	08:36	08:39	08:42									
	Oct 9	08:36	08:39	08:41							08:47	08:49	08:51
	Oct 10	08:37	08:38	08:40	08:42	08:43	08:45				08:46	08:49	08:51
	Oct 11				08:40	08:43	08:46	08:45	08:48	08:50	08:46	08:48	08:51
	Oct 12				08:40	08:43	08:45	08:45	08:47	08:50	08:48	08:48	08:49
	Oct 13				08:41	08:43	08:44	08:45	08:47	08:49			

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.	Sep 30										09:16	09:17	09:19
	Oct 1										09:13	09:17	09:21
	Oct 2										09:12	09:17	09:21
	Oct 3										09:11	09:16	09:21
	Oct 4							09:12	09:15	09:18	09:11	09:16	09:21
	Oct 5							09:11	09:15	09:19	09:11	09:16	09:20
	Oct 6	09:02	09:04	09:06				09:10	09:15	09:20	09:12	09:15	09:18
	Oct 7	09:00	09:04	09:08				09:09	09:14	09:19			
	Oct 8	08:59	09:04	09:08				09:09	09:14	09:19			
	Oct 9	08:58	09:03	09:08	09:08	09:11	09:14	09:10	09:14	09:18			
	Oct 10	08:58	09:03	09:08	09:06	09:11	09:15	09:11	09:14	09:16			
	Oct 11	08:58	09:03	09:07	09:06	09:11	09:16						
	Oct 12	09:00	09:02	09:05	09:05	09:10	09:15						
	Oct 13				09:05	09:10	09:15						
	Oct 14				09:06	09:10	09:14						
Oct 15				09:08	09:10	09:12							
3.0 m.	Oct 1										09:16	09:17	09:18
	Oct 2										09:14	09:17	09:20
	Oct 3										09:13	09:16	09:20
	Oct 4										09:13	09:16	09:20
	Oct 5							09:13	09:15	09:17	09:13	09:16	09:18
	Oct 6							09:11	09:15	09:18			
	Oct 7	09:02	09:04	09:06				09:11	09:14	09:18			
	Oct 8	09:00	09:04	09:07				09:11	09:14	09:17			
	Oct 9	09:00	09:03	09:07				09:12	09:14	09:16			
	Oct 10	09:00	09:03	09:06	09:08	09:11	09:13						
	Oct 11	09:00	09:03	09:05	09:07	09:10	09:14						
	Oct 12				09:07	09:10	09:14						
	Oct 13				09:07	09:10	09:13						
	Oct 14				09:08	09:10	09:11						
5.0 m.	Oct 2										09:15	09:17	09:19
	Oct 3										09:14	09:16	09:19
	Oct 4										09:14	09:16	09:19
	Oct 5							09:15	09:15	09:16	09:15	09:16	09:17
	Oct 6							09:13	09:15	09:17			
	Oct 7							09:12	09:15	09:17			
	Oct 8	09:02	09:04	09:06				09:12	09:14	09:17			
	Oct 9	09:01	09:03	09:06									
	Oct 10	09:01	09:03	09:06	09:10	09:11	09:12						
	Oct 11				09:08	09:11	09:13						
	Oct 12				09:08	09:10	09:13						
	Oct 13				09:08	09:10	09:12						

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**.

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.	Sep 30										09:14	09:17	09:20
	Oct 1										09:12	09:17	09:22
	Oct 2										09:11	09:17	09:22
	Oct 3							09:15	09:16	09:17	09:10	09:16	09:22
	Oct 4							09:11	09:15	09:19	09:10	09:16	09:22
	Oct 5							09:10	09:15	09:20	09:10	09:16	09:21
	Oct 6	09:01	09:04	09:08				09:09	09:15	09:21	09:11	09:15	09:20
	Oct 7	08:59	09:04	09:09				09:09	09:15	09:20	09:13	09:15	09:17
	Oct 8	08:58	09:04	09:09	09:09	09:11	09:13	09:09	09:14	09:20			
	Oct 9	08:58	09:03	09:09	09:07	09:11	09:15	09:09	09:14	09:19			
	Oct 10	08:57	09:03	09:09	09:05	09:11	09:16	09:10	09:14	09:17			
	Oct 11	08:58	09:03	09:08	09:05	09:11	09:16						
	Oct 12	08:59	09:03	09:07	09:04	09:10	09:16						
	Oct 13	09:01	09:02	09:04	09:04	09:10	09:16						
	Oct 14				09:05	09:10	09:15						
Oct 15				09:06	09:10	09:13							

Not: Hesaplamalarda anten hüzmeye 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**.