

**Sun Outages at ARICA**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**



<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 20:06:22	Sep 18, 2020 20:12:22
Sep 19, 2020 20:03:01	Sep 19, 2020 20:15:01
Sep 20, 2020 20:01:40	Sep 20, 2020 20:15:40
Sep 21, 2020 20:00:19	Sep 21, 2020 20:16:19
Sep 22, 2020 19:59:58	Sep 22, 2020 20:15:58
Sep 23, 2020 19:59:37	Sep 23, 2020 20:15:37
Sep 24, 2020 19:59:16	Sep 24, 2020 20:15:16
Sep 25, 2020 19:59:55	Sep 25, 2020 20:13:55
Sep 26, 2020 20:00:35	Sep 26, 2020 20:12:35
Sep 27, 2020 20:02:14	Sep 27, 2020 20:10:14

**Sun Outages at BARRANQUILLA**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 20:02:11	Sep 22, 2020 20:10:11
Sep 23, 2020 19:59:50	Sep 23, 2020 20:11:50
Sep 24, 2020 19:58:30	Sep 24, 2020 20:12:30
Sep 25, 2020 19:57:09	Sep 25, 2020 20:13:09
Sep 26, 2020 19:56:48	Sep 26, 2020 20:12:48
Sep 27, 2020 19:56:28	Sep 27, 2020 20:12:28
Sep 28, 2020 19:56:08	Sep 28, 2020 20:12:08
Sep 29, 2020 19:56:48	Sep 29, 2020 20:10:48
Sep 30, 2020 19:58:28	Sep 30, 2020 20:09:28
Oct 01, 2020 20:00:09	Oct 01, 2020 20:06:09

**Sun Outages at BOGOTA**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 20:04:51	Sep 19, 2020 20:10:51
Sep 20, 2020 20:01:30	Sep 20, 2020 20:13:30
Sep 21, 2020 20:00:09	Sep 21, 2020 20:14:09
Sep 22, 2020 19:58:48	Sep 22, 2020 20:14:48

Sep 23, 2020 19:58:27	Sep 23, 2020 20:14:27
Sep 24, 2020 19:58:06	Sep 24, 2020 20:14:06
Sep 25, 2020 19:57:45	Sep 25, 2020 20:13:45
Sep 26, 2020 19:58:25	Sep 26, 2020 20:12:25
Sep 27, 2020 19:59:05	Sep 27, 2020 20:11:05
Sep 28, 2020 20:00:45	Sep 28, 2020 20:08:45



**Sun Outages at CALI**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 20:01:53	Sep 19, 2020 20:11:53
Sep 20, 2020 20:00:32	Sep 20, 2020 20:12:32
Sep 21, 2020 19:59:10	Sep 21, 2020 20:13:10
Sep 22, 2020 19:57:49	Sep 22, 2020 20:13:49
Sep 23, 2020 19:57:28	Sep 23, 2020 20:13:28
Sep 24, 2020 19:57:07	Sep 24, 2020 20:13:07
Sep 25, 2020 19:56:47	Sep 25, 2020 20:12:47
Sep 26, 2020 19:57:26	Sep 26, 2020 20:11:26
Sep 27, 2020 19:59:06	Sep 27, 2020 20:09:06

**Sun Outages at CARTAGENA**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 20:00:51	Sep 22, 2020 20:10:51
Sep 23, 2020 19:59:30	Sep 23, 2020 20:11:30
Sep 24, 2020 19:58:09	Sep 24, 2020 20:12:09
Sep 25, 2020 19:56:49	Sep 25, 2020 20:12:49
Sep 26, 2020 19:56:28	Sep 26, 2020 20:12:28
Sep 27, 2020 19:56:08	Sep 27, 2020 20:12:08
Sep 28, 2020 19:55:48	Sep 28, 2020 20:11:48
Sep 29, 2020 19:56:28	Sep 29, 2020 20:10:28
Sep 30, 2020 19:58:08	Sep 30, 2020 20:08:08

**Sun Outages at TUMACO**  
**Satellite EUTELSAT 117 WEST B (SATMEX-9)**



<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 20:02:15	Sep 18, 2020 20:10:15
Sep 19, 2020 19:59:54	Sep 19, 2020 20:11:54
Sep 20, 2020 19:58:33	Sep 20, 2020 20:12:33
Sep 21, 2020 19:57:11	Sep 21, 2020 20:13:11
Sep 22, 2020 19:56:50	Sep 22, 2020 20:12:50
Sep 23, 2020 19:56:29	Sep 23, 2020 20:12:29
Sep 24, 2020 19:56:09	Sep 24, 2020 20:12:09
Sep 25, 2020 19:56:48	Sep 25, 2020 20:10:48
Sep 26, 2020 19:57:27	Sep 26, 2020 20:09:27
Sep 27, 2020 20:00:07	Sep 27, 2020 20:06:07

**Sun Outages at ARICA**  
**Satellite EUTELSAT 117 WEST A (SATMEX-8)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 20:05:30	Sep 18, 2020 20:11:30
Sep 19, 2020 20:02:08	Sep 19, 2020 20:14:08
Sep 20, 2020 20:00:47	Sep 20, 2020 20:14:47
Sep 21, 2020 19:59:26	Sep 21, 2020 20:15:26
Sep 22, 2020 19:59:05	Sep 22, 2020 20:15:05
Sep 23, 2020 19:58:44	Sep 23, 2020 20:14:44
Sep 24, 2020 19:58:23	Sep 24, 2020 20:14:23
Sep 25, 2020 19:59:02	Sep 25, 2020 20:13:02
Sep 26, 2020 19:59:42	Sep 26, 2020 20:11:42
Sep 27, 2020 20:01:21	Sep 27, 2020 20:09:21

**Sun Outages at BARRANQUILLA**  
**Satellite EUTELSAT 117 WEST A (SATMEX-8)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 20:01:18	Sep 22, 2020 20:09:18
Sep 23, 2020 19:58:57	Sep 23, 2020 20:10:57
Sep 24, 2020 19:57:36	Sep 24, 2020 20:11:36
Sep 25, 2020 19:56:16	Sep 25, 2020 20:12:16

Sep 26, 2020 19:55:55	Sep 26, 2020 20:11:55
Sep 27, 2020 19:55:35	Sep 27, 2020 20:11:35
Sep 28, 2020 19:55:15	Sep 28, 2020 20:11:15
Sep 29, 2020 19:55:55	Sep 29, 2020 20:09:55
Sep 30, 2020 19:57:35	Sep 30, 2020 20:08:35
Oct 01, 2020 19:59:16	Oct 01, 2020 20:05:16



**Sun Outages at BOGOTA**  
**Satellite EUTELSAT 117 WEST A (SATMEX-8)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 20:03:58	Sep 19, 2020 20:09:58
Sep 20, 2020 20:00:37	Sep 20, 2020 20:12:37
Sep 21, 2020 19:59:16	Sep 21, 2020 20:13:16
Sep 22, 2020 19:57:55	Sep 22, 2020 20:13:55
Sep 23, 2020 19:57:34	Sep 23, 2020 20:13:34
Sep 24, 2020 19:57:13	Sep 24, 2020 20:13:13
Sep 25, 2020 19:56:52	Sep 25, 2020 20:12:52
Sep 26, 2020 19:57:32	Sep 26, 2020 20:11:32
Sep 27, 2020 19:58:11	Sep 27, 2020 20:10:11
Sep 28, 2020 19:59:51	Sep 28, 2020 20:07:51

**Sun Outages at CALI**  
**Satellite EUTELSAT 117 WEST A (SATMEX-8)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 20:00:59	Sep 19, 2020 20:10:59
Sep 20, 2020 19:59:38	Sep 20, 2020 20:11:38
Sep 21, 2020 19:58:17	Sep 21, 2020 20:12:17
Sep 22, 2020 19:56:56	Sep 22, 2020 20:12:56
Sep 23, 2020 19:56:35	Sep 23, 2020 20:12:35
Sep 24, 2020 19:56:14	Sep 24, 2020 20:12:14
Sep 25, 2020 19:55:53	Sep 25, 2020 20:11:53
Sep 26, 2020 19:56:33	Sep 26, 2020 20:10:33
Sep 27, 2020 19:58:12	Sep 27, 2020 20:08:12

**Sun Outages at CARTAGENA**

## Satellite EUTELSAT 117 WEST A (SATMEX-8)



<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 19:59:58	Sep 22, 2020 20:09:58
Sep 23, 2020 19:58:37	Sep 23, 2020 20:10:37
Sep 24, 2020 19:57:16	Sep 24, 2020 20:11:16
Sep 25, 2020 19:55:55	Sep 25, 2020 20:11:55
Sep 26, 2020 19:55:35	Sep 26, 2020 20:11:35
Sep 27, 2020 19:55:14	Sep 27, 2020 20:11:14
Sep 28, 2020 19:54:54	Sep 28, 2020 20:10:54
Sep 29, 2020 19:55:34	Sep 29, 2020 20:09:34
Sep 30, 2020 19:57:15	Sep 30, 2020 20:07:15

## Sun Outages at TUMACO

### Satellite EUTELSAT 117 WEST A (SATMEX-8)

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 20:01:21	Sep 18, 2020 20:09:21
Sep 19, 2020 19:59:00	Sep 19, 2020 20:11:00
Sep 20, 2020 19:57:39	Sep 20, 2020 20:11:39
Sep 21, 2020 19:56:18	Sep 21, 2020 20:12:18
Sep 22, 2020 19:55:57	Sep 22, 2020 20:11:57
Sep 23, 2020 19:55:36	Sep 23, 2020 20:11:36
Sep 24, 2020 19:55:15	Sep 24, 2020 20:11:15
Sep 25, 2020 19:55:54	Sep 25, 2020 20:09:54
Sep 26, 2020 19:56:34	Sep 26, 2020 20:08:34
Sep 27, 2020 19:59:13	Sep 27, 2020 20:05:13

## Sun Outages at ARICA

### Satellite EUTELSAT 115 WEST B (SATMEX-7)

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 19:57:05	Sep 18, 2020 20:03:05
Sep 19, 2020 19:53:44	Sep 19, 2020 20:05:44
Sep 20, 2020 19:52:23	Sep 20, 2020 20:06:23
Sep 21, 2020 19:51:02	Sep 21, 2020 20:07:02
Sep 22, 2020 19:50:41	Sep 22, 2020 20:06:41

Sep 23, 2020 19:50:20	Sep 23, 2020 20:06:20
Sep 24, 2020 19:49:59	Sep 24, 2020 20:05:59
Sep 25, 2020 19:50:38	Sep 25, 2020 20:04:38
Sep 26, 2020 19:51:18	Sep 26, 2020 20:03:18
Sep 27, 2020 19:52:57	Sep 27, 2020 20:00:57



**Sun Outages at BARRANQUILLA**  
**Satellite EUTELSAT 115 WEST B (SATMEX-7)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 19:52:51	Sep 22, 2020 20:00:51
Sep 23, 2020 19:50:30	Sep 23, 2020 20:02:30
Sep 24, 2020 19:49:09	Sep 24, 2020 20:03:09
Sep 25, 2020 19:47:49	Sep 25, 2020 20:03:49
Sep 26, 2020 19:47:28	Sep 26, 2020 20:03:28
Sep 27, 2020 19:47:08	Sep 27, 2020 20:03:08
Sep 28, 2020 19:46:48	Sep 28, 2020 20:02:48
Sep 29, 2020 19:47:28	Sep 29, 2020 20:01:28
Sep 30, 2020 19:48:08	Sep 30, 2020 20:00:08
Oct 01, 2020 19:50:49	Oct 01, 2020 19:56:49

**Sun Outages at BOGOTA**  
**Satellite EUTELSAT 115 WEST B (SATMEX-7)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 19:55:31	Sep 19, 2020 20:01:31
Sep 20, 2020 19:52:10	Sep 20, 2020 20:04:10
Sep 21, 2020 19:50:49	Sep 21, 2020 20:04:49
Sep 22, 2020 19:49:28	Sep 22, 2020 20:05:28
Sep 23, 2020 19:49:07	Sep 23, 2020 20:05:07
Sep 24, 2020 19:48:46	Sep 24, 2020 20:04:46
Sep 25, 2020 19:48:25	Sep 25, 2020 20:04:25
Sep 26, 2020 19:49:05	Sep 26, 2020 20:03:05
Sep 27, 2020 19:49:44	Sep 27, 2020 20:01:44
Sep 28, 2020 19:51:24	Sep 28, 2020 19:59:24

**Sun Outages at CALI**  
**Satellite EUTELSAT 115 WEST B (SATMEX-7)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 19:52:29	Sep 19, 2020 20:02:29
Sep 20, 2020 19:51:08	Sep 20, 2020 20:03:08
Sep 21, 2020 19:49:47	Sep 21, 2020 20:03:47
Sep 22, 2020 19:48:26	Sep 22, 2020 20:04:26
Sep 23, 2020 19:48:05	Sep 23, 2020 20:04:05
Sep 24, 2020 19:47:44	Sep 24, 2020 20:03:44
Sep 25, 2020 19:47:23	Sep 25, 2020 20:03:23
Sep 26, 2020 19:48:03	Sep 26, 2020 20:02:03
Sep 27, 2020 19:49:42	Sep 27, 2020 19:59:42
Sep 28, 2020 19:52:22	Sep 28, 2020 19:56:22

**Sun Outages at CARTAGENA**  
**Satellite EUTELSAT 115 WEST B (SATMEX-7)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 19:51:30	Sep 22, 2020 20:01:30
Sep 23, 2020 19:50:09	Sep 23, 2020 20:02:09
Sep 24, 2020 19:48:48	Sep 24, 2020 20:02:48
Sep 25, 2020 19:47:27	Sep 25, 2020 20:03:27
Sep 26, 2020 19:47:07	Sep 26, 2020 20:03:07
Sep 27, 2020 19:46:46	Sep 27, 2020 20:02:46
Sep 28, 2020 19:46:26	Sep 28, 2020 20:02:26
Sep 29, 2020 19:47:06	Sep 29, 2020 20:01:06
Sep 30, 2020 19:48:47	Sep 30, 2020 19:58:47

**Sun Outages at TUMACO**  
**Satellite EUTELSAT 115 WEST B (SATMEX-7)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 19:52:49	Sep 18, 2020 20:00:49
Sep 19, 2020 19:50:28	Sep 19, 2020 20:02:28
Sep 20, 2020 19:49:06	Sep 20, 2020 20:03:06
Sep 21, 2020 19:47:45	Sep 21, 2020 20:03:45
Sep 22, 2020 19:47:24	Sep 22, 2020 20:03:24
Sep 23, 2020 19:47:03	Sep 23, 2020 20:03:03
Sep 24, 2020 19:46:42	Sep 24, 2020 20:02:42

Sep 25, 2020 19:47:22	Sep 25, 2020 20:01:22
Sep 26, 2020 19:48:01	Sep 26, 2020 20:00:01
Sep 27, 2020 19:50:41	Sep 27, 2020 19:56:41



**Sun Outages at ARICA**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 19:48:39	Sep 18, 2020 19:54:39
Sep 19, 2020 19:45:18	Sep 19, 2020 19:57:18
Sep 20, 2020 19:43:57	Sep 20, 2020 19:57:57
Sep 21, 2020 19:42:35	Sep 21, 2020 19:58:35
Sep 22, 2020 19:42:14	Sep 22, 2020 19:58:14
Sep 23, 2020 19:41:53	Sep 23, 2020 19:57:53
Sep 24, 2020 19:41:33	Sep 24, 2020 19:57:33
Sep 25, 2020 19:42:12	Sep 25, 2020 19:56:12
Sep 26, 2020 19:42:51	Sep 26, 2020 19:54:51
Sep 27, 2020 19:44:31	Sep 27, 2020 19:52:31

**Sun Outages at BARRANQUILLA**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 19:44:22	Sep 22, 2020 19:52:22
Sep 23, 2020 19:42:01	Sep 23, 2020 19:54:01
Sep 24, 2020 19:40:40	Sep 24, 2020 19:54:40
Sep 25, 2020 19:39:20	Sep 25, 2020 19:55:20
Sep 26, 2020 19:38:59	Sep 26, 2020 19:54:59
Sep 27, 2020 19:38:39	Sep 27, 2020 19:54:39
Sep 28, 2020 19:38:19	Sep 28, 2020 19:54:19
Sep 29, 2020 19:38:59	Sep 29, 2020 19:52:59
Sep 30, 2020 19:39:39	Sep 30, 2020 19:51:39
Oct 01, 2020 19:42:20	Oct 01, 2020 19:48:20

**Sun Outages at BOGOTA**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin</b>	<b>End</b>
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<b>(GMT)</b>	<b>(GMT)</b>
Sep 19, 2020 19:47:02	Sep 19, 2020 19:53:02
Sep 20, 2020 19:43:40	Sep 20, 2020 19:55:40
Sep 21, 2020 19:42:19	Sep 21, 2020 19:56:19
Sep 22, 2020 19:40:58	Sep 22, 2020 19:56:58
Sep 23, 2020 19:40:37	Sep 23, 2020 19:56:37
Sep 24, 2020 19:40:16	Sep 24, 2020 19:56:16
Sep 25, 2020 19:39:56	Sep 25, 2020 19:55:56
Sep 26, 2020 19:40:35	Sep 26, 2020 19:54:35
Sep 27, 2020 19:41:15	Sep 27, 2020 19:53:15
Sep 28, 2020 19:42:55	Sep 28, 2020 19:50:55

**Sun Outages at CALI**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 19, 2020 19:43:57	Sep 19, 2020 19:53:57
Sep 20, 2020 19:42:36	Sep 20, 2020 19:54:36
Sep 21, 2020 19:41:15	Sep 21, 2020 19:55:15
Sep 22, 2020 19:39:54	Sep 22, 2020 19:55:54
Sep 23, 2020 19:39:33	Sep 23, 2020 19:55:33
Sep 24, 2020 19:39:12	Sep 24, 2020 19:55:12
Sep 25, 2020 19:38:51	Sep 25, 2020 19:54:51
Sep 26, 2020 19:39:31	Sep 26, 2020 19:53:31
Sep 27, 2020 19:41:10	Sep 27, 2020 19:51:10
Sep 28, 2020 19:43:50	Sep 28, 2020 19:47:50

**Sun Outages at CARTAGENA**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 22, 2020 19:43:00	Sep 22, 2020 19:53:00
Sep 23, 2020 19:41:39	Sep 23, 2020 19:53:39
Sep 24, 2020 19:40:18	Sep 24, 2020 19:54:18
Sep 25, 2020 19:38:57	Sep 25, 2020 19:54:57
Sep 26, 2020 19:38:37	Sep 26, 2020 19:54:37
Sep 27, 2020 19:38:16	Sep 27, 2020 19:54:16
Sep 28, 2020 19:37:56	Sep 28, 2020 19:53:56
Sep 29, 2020 19:38:36	Sep 29, 2020 19:52:36
Sep 30, 2020 19:40:17	Sep 30, 2020 19:50:17

**Sun Outages at TUMACO**  
**Satellite EUTELSAT 113 WEST A (SATMEX-6)**

<b>Begin (GMT)</b>	<b>End (GMT)</b>
Sep 18, 2020 19:44:14	Sep 18, 2020 19:52:14
Sep 19, 2020 19:41:53	Sep 19, 2020 19:53:53
Sep 20, 2020 19:40:32	Sep 20, 2020 19:54:32
Sep 21, 2020 19:39:10	Sep 21, 2020 19:55:10
Sep 22, 2020 19:38:49	Sep 22, 2020 19:54:49
Sep 23, 2020 19:38:28	Sep 23, 2020 19:54:28
Sep 24, 2020 19:38:07	Sep 24, 2020 19:54:07
Sep 25, 2020 19:38:47	Sep 25, 2020 19:52:47
Sep 26, 2020 19:39:26	Sep 26, 2020 19:51:26
Sep 27, 2020 19:42:06	Sep 27, 2020 19:48:06