



User: llebofsky [Logout](#)  
 Location: South Biosphere Road  
 (32.5804°N, 110.8477°W)  
 Time: 15:33:22  
 (UTC-07:00)  
 Language: English ▼

## Daily predictions for brighter satellites

[Home](#)

Month  Day   Morning  
 Evening

Minimum brightness:  3.0  3.5  4.0  4.5  5.0

Satellite	Brightness (mag)	Start			Highest point			End		
		Time	Altitude	Azimuth	Time	Altitude	Azimuth	Time	Altitude	Azimuth
CZ-3B R/B	3.2	17:53:49	10°	S	<a href="#">17:55:10</a>	20°	ESE	17:57:14	10°	ENE
Cosmos 1943 Rocket	2.3	17:50:52	10°	SSW	<a href="#">17:56:25</a>	87°	WNW	18:02:04	10°	NNE
SeaSat 1	3.1	17:56:16	10°	SSE	<a href="#">18:01:08</a>	63°	WSW	18:06:02	10°	NNW
H-2A R/B	2.7	17:58:18	10°	SSE	<a href="#">18:02:11</a>	75°	E	18:06:06	10°	N
Envisat	3.3	18:03:47	10°	SE	<a href="#">18:08:33</a>	43°	ENE	18:13:20	10°	N
COSMO-SKYMED 1	2.7	18:07:38	10°	NNE	<a href="#">18:11:54</a>	54°	E	18:16:07	10°	S
GPS 2-05 Rocket1	3.0	18:11:42	10°	WNW	<a href="#">18:14:23</a>	41°	N	18:16:26	15°	ENE
Cosmos 2369 Rocket	2.6	18:10:53	10°	SSW	<a href="#">18:16:29</a>	68°	WNW	18:22:05	10°	NNE
Cosmos-2242	3.3	18:15:43	10°	SSW	<a href="#">18:20:00</a>	72°	W	18:24:18	10°	N
Cosmos 1455	2.2	18:20:02	10°	S	<a href="#">18:23:46</a>	58°	E	18:27:31	10°	NNE
ATLAS CENTAUR R/B	2.3	18:26:07	10°	N	<a href="#">18:29:37</a>	25°	NE	18:31:07	20°	E
YAOGAN 6	2.6	18:32:06	10°	SSE	<a href="#">18:35:34</a>	52°	ENE	18:39:01	10°	N
Unknown	3.5	18:32:12	10°	NW	<a href="#">18:36:20</a>	75°	NE	18:39:57	13°	SE
Unknown	3.5	18:33:52	10°	NW	<a href="#">18:38:00</a>	78°	NE	18:41:33	14°	SE
Unknown	3.5	18:35:36	10°	NW	<a href="#">18:39:44</a>	81°	NE	18:43:13	14°	SE
YAOGAN 1	2.7	18:39:57	10°	SSE	<a href="#">18:44:05</a>	48°	ENE	18:48:15	10°	N
Cosmos 2151	3.2	18:45:38	10°	NNW	<a href="#">18:49:54</a>	70°	W	18:54:08	10°	S
BREEZE-M DEB (TANK)	3.0	18:41:56	10°	SW	<a href="#">18:50:00</a>	61°	SE	18:51:32	33°	ENE
Cosmos 1842 Rocket	3.4	18:49:58	10°	S	<a href="#">18:54:23</a>	72°	E	18:58:51	10°	N
Cosmos 1340 Rocket	3.5	18:58:24	10°	SSW	<a href="#">19:02:14</a>	54°	W	19:06:08	10°	N
CZ-4 R/B	3.1	19:22:04	10°	SSW	<a href="#">19:25:55</a>	34°	W	19:29:46	10°	NNW
Cosmos 1238 Rocket	3.5	19:33:49	10°	N	<a href="#">19:38:43</a>	69°	NNW	19:38:43	69°	NNW

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User: llebofsky [Logout](#)  
 Location: South Biosphere Road  
 (32.5804°N, 110.8477°W)  
 Time: 15:34:56  
 (UTC-07:00)  
 Language: English ▼

## Daily predictions for brighter satellites

[Home](#)

Month  Day   Morning  Evening

Minimum brightness:  3.0  3.5  4.0  4.5  5.0

Satellite	Brightness (mag)	Start			Highest point			End		
		Time	Altitude	Azimuth	Time	Altitude	Azimuth	Time	Altitude	Azimuth
CZ-4B R/B	3.4	04:41:41	10°	NNE	04:45:12	49°	E	04:45:57	41°	SE
Milstar 3 Cent rocket	2.9	04:44:30	44°	WSW	04:46:40	59°	S	04:51:55	10°	ESE
SL-4 R/B	3.2	04:45:56	31°	S	04:47:46	48°	SE	04:52:26	10°	ENE
GPS 2-04 Rocket1	2.9	04:51:24	65°	NNE	04:51:24	65°	NNE	04:55:26	10°	E
Cosmos 2369 Rocket	3.1	05:00:22	29°	SW	05:00:22	29°	SW	05:03:45	10°	SSW
Cosmos 540 Rocket	3.4	04:58:46	50°	WNW	04:59:44	60°	WSW	05:04:43	10°	S
Hubble Space Telescope	1.3	04:59:38	45°	SSW	05:00:00	46°	S	05:03:58	10°	ESE
Cosmos 1300	2.8	05:01:35	57°	SSW	05:01:35	57°	SSW	05:04:42	10°	S
CZ-2C R/B	2.4	05:01:44	10°	N	05:06:41	59°	WNW	05:11:28	10°	SSW
Cosmos 968 Rocket	3.4	05:04:23	10°	SSW	05:09:33	71°	WNW	05:14:48	10°	NNE
Aureole 2 Rocket	3.0	05:13:35	12°	N	05:16:52	58°	ENE	05:20:23	10°	SSE
Atlas Centaur 2	3.1	05:16:29	15°	SSW	05:19:12	29°	SSE	05:23:23	10°	E
Cosmos 1703	3.2	05:40:22	10°	S	05:44:18	86°	W	05:48:16	10°	N
Lacrosse 5 rocket	2.1	05:48:16	17°	W	05:50:18	27°	NW	05:53:29	10°	NNE
Milstar 3	3.3	05:47:08	14°	W	05:53:31	52°	SSW	06:00:06	10°	ESE
CZ-4C R/B	2.7	05:50:05	10°	WSW	05:54:29	33°	NW	05:59:31	10°	NNE
Cosmos 1484 Rocket	3.3	05:51:14	10°	N	05:54:53	38°	WNW	05:58:34	10°	SW
NOSS 2-1 (C)	3.2	05:52:10	10°	SW	05:55:37	47°	WNW	05:58:59	10°	NNE
Cosmos 1455	2.0	05:54:37	10°	N	05:58:21	79°	W	06:02:04	10°	S
NOSS 2-1 (D)	3.3	05:55:37	10°	SW	05:59:00	42°	WNW	06:02:21	10°	NNE
Longmarch 3A Rocket	3.1	05:59:22	10°	SSW	06:00:24	14°	SSE	06:01:35	10°	SE

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User: llebofsky [Logout](#)  
 Location: South Biosphere Road  
 (32.5804°N, 110.8477°W)  
 Time: 15:35:50  
 (UTC-07:00)  
 Language: English ▼

## Daily predictions for brighter satellites

[Home](#)

Month  Day   Morning  
 Evening

Minimum brightness:  3.0  3.5  4.0  4.5  5.0

Satellite	Brightness (mag)	Start			Highest point			End		
		Time	Altitude	Azimuth	Time	Altitude	Azimuth	Time	Altitude	Azimuth
Okean-O	2.9	17:55:14	10°	SSE	17:59:28	47°	ENE	18:03:43	10°	N
Cosmos 2369 Rocket	2.5	17:55:29	10°	SSW	18:01:06	73°	WNW	18:06:44	10°	NNE
SMAP	3.1	17:57:32	10°	SSE	18:02:10	90°	NNE	18:06:50	10°	NNW
Cosmos 1455	2.5	18:03:53	10°	SSE	18:07:30	43°	E	18:11:07	10°	NNE
CZ-3B R/B	1.4	18:09:31	10°	SW	18:11:04	89°	N	18:13:42	10°	NE
SL-27 R/B	2.5	18:10:10	10°	NNW	18:13:32	76°	WSW	18:16:55	10°	S
Abrixa rocket	1.9	18:18:26	10°	NW	18:21:29	73°	NE	18:24:18	11°	SE
GPS 2-05 Rocket1	2.8	18:26:53	10°	WNW	18:29:35	45°	N	18:30:45	26°	ENE
COSMO-SKYMED 1	2.5	18:25:34	10°	NNE	18:29:55	89°	NW	18:34:15	10°	SSW
ATLAS CENTAUR R/B	1.6	18:28:45	10°	NNW	18:32:42	41°	ENE	18:35:36	15°	SE
Cosmos 1766 Rocket	3.5	18:30:26	10°	N	18:34:49	86°	E	18:39:13	10°	S
Meteor 2-10 Rocket	3.3	18:32:14	10°	S	18:37:20	72°	E	18:42:21	10°	NNE
Aureole 2 Rocket	1.9	18:37:01	10°	S	18:39:57	69°	ESE	18:42:03	19°	NNE
Cosmos 1892	3.2	18:37:18	10°	NNW	18:41:00	62°	W	18:44:42	10°	S
YAOGAN 1	2.4	18:56:55	10°	SSE	19:01:13	81°	ENE	19:05:33	10°	N
Cosmos 1408	2.7	18:59:00	10°	N	19:02:37	70°	W	19:06:11	10°	S
CZ-4 R/B	3.1	19:22:30	10°	SSW	19:26:20	34°	W	19:30:11	10°	NNW

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User: llebofsky [Logout](#)  
 Location: South Biosphere Road  
 (32.5804°N, 110.8477°W)  
 Time: 15:36:25  
 (UTC-07:00)  
 Language: English ▼

## Daily predictions for brighter satellites

[Home](#)

Month  Day   Morning  Evening

Minimum brightness:  3.0  3.5  4.0  4.5  5.0

Satellite	Brightness (mag)	Start			Highest point			End		
		Time	Altitude	Azimuth	Time	Altitude	Azimuth	Time	Altitude	Azimuth
CZ-4C R/B	2.1	04:38:27	55°	S	04:39:24	70°	ESE	04:44:48	10°	NE
SL-4 R/B	2.5	04:41:14	65°	SSE	04:41:32	68°	SE	04:46:21	10°	NE
CZ-4B R/B	3.3	04:43:27	10°	NNE	04:47:00	53°	E	04:47:14	51°	ESE
Hubble Space Telescope	1.4	04:49:44	46°	SSE	04:49:44	46°	SSE	04:53:22	10°	ESE
Milstar 3	3.1	04:49:18	40°	WSW	04:52:08	62°	S	04:58:43	10°	ESE
Cosmos 1825 Rocket	3.3	04:58:07	10°	SSW	05:02:24	71°	W	05:06:44	10°	N
NOSS 2-1 (C)	3.4	05:07:20	19°	SSW	05:09:44	60°	ESE	05:13:09	10°	NE
NOSS 2-1 (D)	3.2	05:10:43	19°	SSW	05:13:07	69°	ESE	05:16:34	10°	NE
Atlas Centaur 2	2.7	05:13:27	21°	SSW	05:15:28	34°	SSE	05:19:43	10°	E
Cosmos 1953 Rocket	3.4	05:11:54	10°	S	05:16:19	75°	W	05:20:42	10°	N
Unknown	2.6	05:23:54	57°	NNW	05:23:54	57°	NNW	05:26:19	10°	NE
KM-V1	3.3	05:27:54	48°	S	05:27:55	48°	S	05:30:07	10°	E
Cosmos 1703	3.2	05:30:39	10°	S	05:34:35	89°	ESE	05:38:33	10°	N
Milstar 3 Cent rocket	3.1	05:32:52	19°	W	05:37:49	43°	SSW	05:42:33	10°	SE
Helios 1A Rocket	3.4	05:36:50	10°	NNE	05:40:57	65°	ESE	05:44:59	10°	S
Cosmos 1455	2.2	05:38:20	10°	N	05:42:04	77°	E	05:45:47	10°	S
Lacrosse 5 rocket	2.5	05:44:11	19°	WNW	05:44:51	20°	NW	05:47:39	10°	N
Cosmos 1484 Rocket	2.9	05:41:38	10°	N	05:45:27	51°	WNW	05:49:19	10°	SSW
ALOS	2.4	05:42:22	10°	NNE	05:47:03	79°	ESE	05:51:41	10°	S
Cosmos 1242 Rocket	3.5	05:50:15	10°	SW	05:53:23	27°	WNW	05:56:32	10°	NNW
GPS 2-04 Rocket1	3.3	05:59:51	13°	W	06:03:25	47°	SSW	06:07:28	10°	SE
Cosmos 2221	3.4	06:04:56	10°	N	06:09:13	54°	E	06:13:29	10°	SSE
Genesis I	3.3	06:10:34	10°	NW	06:14:19	53°	WSW	06:18:00	10°	SSE
H-2A R/B	2.9	06:15:59	10°	SW	06:17:54	25°	SSE	06:21:54	10°	E
ASTRO E2	2.9	06:14:16	10°	WSW	06:18:12	71°	S	06:22:08	10°	E

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## Daily predictions for brighter satellites

[Home](#)

Month  Day   Morning  
 Evening

Minimum brightness:  3.0  3.5  4.0  4.5  5.0

Satellite	Brightness (mag)	Start			Highest point			End		
		Time	Altitude	Azimuth	Time	Altitude	Azimuth	Time	Altitude	Azimuth
SJ 16-02	1.3	17:50:30	10°	NNW	17:54:53	87°	E	17:59:14	10°	SSE
SeaSat 1	3.2	18:09:35	10°	S	18:14:24	57°	WSW	18:19:15	10°	NNW
Okean-O	2.6	18:18:23	10°	SSE	18:22:48	88°	WSW	18:27:15	10°	NNW
Cosmos 1892	2.7	18:22:01	10°	N	18:25:48	81°	W	18:29:32	10°	S
Cosmos 2221	2.9	18:29:17	10°	SSE	18:33:13	39°	E	18:37:12	10°	NNE
Envisat	2.9	18:28:54	10°	SSE	18:33:57	82°	ENE	18:39:02	10°	N
ATLAS CENTAUR R/B	1.1	18:31:34	10°	NNW	18:35:42	72°	ENE	18:39:29	10°	SE
Cosmos 1408	2.4	18:33:57	10°	N	18:37:33	62°	E	18:41:06	10°	SSE
BREEZE-M DEB (TANK)	3.0	18:29:34	10°	SW	18:38:06	65°	SE	18:40:09	25°	ENE
GPS 2-05 Rocket1	2.2	18:41:54	10°	WNW	18:44:41	66°	NNE	18:45:04	55°	ENE
BREEZE M DEB (TANK)	3.1	18:41:46	10°	NW	18:44:55	81°	SW	18:55:17	10°	SE
COSMO-SKYMED 1	3.4	18:43:40	10°	N	18:47:54	53°	WNW	18:52:06	10°	SSW
TSX-5	3.5	19:02:17	10°	SSW	19:05:09	62°	SSE	19:05:09	62°	SSE
Centaur D-1A AC-31	2.6	19:06:52	10°	SSW	19:09:11	21°	SSE	19:09:11	21°	SSE
COSMOS 2487	2.9	19:11:26	10°	NNW	19:14:50	59°	WSW	19:15:47	40°	SSW
YAOGAN 1	3.0	19:14:08	10°	S	19:18:23	61°	WSW	19:22:40	10°	NNW
Cosmos 1825	3.4	19:17:39	10°	NNW	19:21:13	42°	W	19:24:47	10°	SSW
CZ-4 R/B	3.2	19:22:56	10°	SSW	19:26:45	34°	W	19:30:36	10°	NNW
Cosmos 1238 Rocket	3.3	19:22:50	10°	N	19:28:08	77°	W	19:31:31	17°	S

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