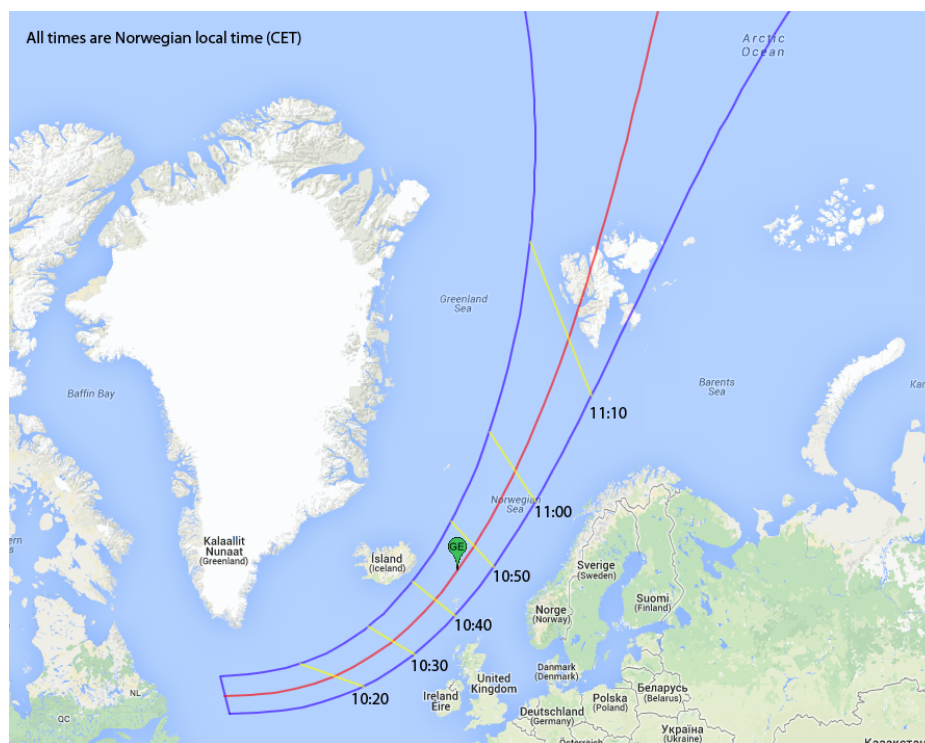


Total solar eclipse at Svalbard on 20 March 2015

Location	Norwegian time	Duration	Bearing	Elevation
Isfjord radio	11:09:50 - 11:12:20	2min 29s	164°	11°
Barentsburg	11:10:04 - 11:12:33	2min 29s	165°	11°
Longyearbyen	11:10:42 - 11:13:09	2min 27s	166°	11°
Pyramiden	11:11:13 - 11:13:40	2min 26s	167°	11°
Sveagruva	11:10:59 - 11:13:20	2min 21s	168°	12°
Ny-Ålesund	11:09:52 - 11:12:12	2min 20s	163°	10°
Hornsund	11:10:01 - 11:12:21	2min 19s	166°	12°

This table lists the times of the total solar eclipse on 20 March 2015 for various locations in Svalbard. The partial eclipse will begin/end one hour earlier/later.



This picture shows the trajectory of the total solar eclipse. The red line shows the centre, and blue lines show the outer edges. Yellow lines indicate motion of the totality. It begins south of Greenland, moves between Iceland and Norway, and ends over Svalbard. All times are Norwegian local time (CET).

The next pages give coordinates for the red line: duration of the totality, degrees over the horizon, and the bearing direction (degrees east of local geographic north). Everything is based on code by Fred Espenak at NASA GSFC.

Kjellmar Oksavik, Longyearbyen, 27 March 2014.

Total Solar Eclipse on 20 March 2015

All times are Norwegian local time (CET).

Time CET	Central Line		Totality Duration	Degrees over horizon	Bearing direction
	Latitude	Longitude			
10:13	53°42.3'N	41°53.5'W	2min11.1s	2	94
10:14	53°58.7'N	37°38.5'W	2min16.5s	5	97
10:15	54°15.5'N	35°00.7'W	2min20.0s	7	100
10:16	54°32.6'N	32°57.0'W	2min22.7s	8	102
10:17	54°49.9'N	31°12.4'W	2min25.0s	9	103
10:18	55°07.3'N	29°40.3'W	2min27.1s	10	105
10:19	55°25.0'N	28°17.3'W	2min28.9s	11	106
10:20	55°42.8'N	27°01.1'W	2min30.6s	12	108
10:21	56°00.8'N	25°50.4'W	2min32.1s	12	109
10:22	56°18.9'N	24°44.1'W	2min33.5s	13	110
10:23	56°37.2'N	23°41.4'W	2min34.8s	13	112
10:24	56°55.7'N	22°41.9'W	2min36.0s	14	113
10:25	57°14.3'N	21°45.0'W	2min37.1s	14	114
10:26	57°33.2'N	20°50.5'W	2min38.1s	15	115
10:27	57°52.2'N	19°57.9'W	2min39.1s	15	116
10:28	58°11.3'N	19°07.1'W	2min40.0s	16	117
10:29	58°30.7'N	18°17.8'W	2min40.8s	16	118
10:30	58°50.2'N	17°30.0'W	2min41.6s	16	119
10:31	59°10.0'N	16°43.3'W	2min42.3s	17	120
10:32	59°29.9'N	15°57.8'W	2min42.9s	17	121
10:33	59°50.1'N	15°13.2'W	2min43.5s	17	122
10:34	60°10.5'N	14°29.5'W	2min44.0s	17	123
10:35	60°31.1'N	13°46.6'W	2min44.5s	17	124
10:36	60°51.9'N	13°04.3'W	2min45.0s	18	125
10:37	61°12.9'N	12°22.6'W	2min45.4s	18	126
10:38	61°34.3'N	11°41.5'W	2min45.7s	18	127
10:39	61°55.8'N	11°00.9'W	2min46.0s	18	128
10:40	62°17.6'N	10°20.6'W	2min46.3s	18	129
10:41	62°39.7'N	9°40.7'W	2min46.5s	18	130
10:42	63°02.1'N	9°01.0'W	2min46.7s	18	131
10:43	63°24.8'N	8°21.6'W	2min46.8s	18	132
10:44	63°47.8'N	7°42.3'W	2min46.9s	18	133
10:45	64°11.1'N	7°03.1'W	2min46.9s	18	134
10:46	64°34.8'N	6°24.0'W	2min46.9s	18	135
10:47	64°58.8'N	5°44.9'W	2min46.8s	18	136
10:48	65°23.1'N	5°05.8'W	2min46.7s	18	137
10:49	65°47.9'N	4°26.5'W	2min46.6s	18	138
10:50	66°13.1'N	3°47.1'W	2min46.4s	18	139

Total Solar Eclipse on 20 March 2015

All times are Norwegian local time (CET).

Time CET	Central Line Latitude	Longitude	Totality Duration	Degrees over horizon	Bearing direction
10:51	66°38.7'N	3°07.4'W	2min46.2s	18	140
10:52	67°04.8'N	2°27.5'W	2min45.9s	18	141
10:53	67°31.4'N	1°47.2'W	2min45.6s	18	142
10:54	67°58.4'N	1°06.5'W	2min45.2s	18	143
10:55	68°26.1'N	0°25.3'W	2min44.8s	18	145
10:56	68°54.3'N	0°16.5'E	2min44.3s	17	146
10:57	69°23.1'N	0°58.9'E	2min43.8s	17	147
10:58	69°52.6'N	1°42.1'E	2min43.2s	17	148
10:59	70°22.8'N	2°26.2'E	2min42.6s	17	149
11:00	70°53.8'N	3°11.2'E	2min41.9s	16	150
11:01	71°25.7'N	3°57.4'E	2min41.2s	16	151
11:02	71°58.4'N	4°44.8'E	2min40.4s	16	152
11:03	72°32.2'N	5°33.7'E	2min39.6s	15	153
11:04	73°07.0'N	6°24.2'E	2min38.7s	15	155
11:05	73°43.1'N	7°16.7'E	2min37.7s	15	156
11:06	74°20.6'N	8°11.5'E	2min36.6s	14	157
11:07	74°59.6'N	9°08.8'E	2min35.5s	14	158
11:08	75°40.4'N	10°09.3'E	2min34.3s	13	160
11:09	76°23.2'N	11°13.4'E	2min33.0s	13	161
11:10	77°08.3'N	12°22.1'E	2min31.5s	12	163
11:11	77°56.3'N	13°36.4'E	2min30.0s	11	164
11:12	78°47.7'N	14°57.9'E	2min28.3s	11	166
11:13	79°43.5'N	16°29.1'E	2min26.4s	10	168
11:14	80°44.8'N	18°13.8'E	2min24.3s	9	170
11:15	81°54.0'N	20°19.3'E	2min22.0s	8	172
11:16	83°15.2'N	23°01.4'E	2min19.1s	7	175
11:17	84°58.2'N	27°08.2'E	2min15.6s	5	179
11:18	87°51.6'N	40°26.1'E	2min09.5s	2	193