

Siderial Hour Angle at 2026-02-02T00:00:00 UTC:

Jupiter : 251° 15.1' (R.A.: 7h 14m 59.5s)
Sun : 44° 23.8' (R.A.: 21h 02m 24.9s)

Events (UTC, LHA,Dec, Zn(Az),H) for Lat 50° 01.3' N Lon 8° 10.2' E:

Sat 2, Europa	: Transit	start	: 2026 Feb 2 0:37:24	L +2h 43m	D +22.6	Z 244° 17.6'	H +48° 09.5'	
Sat 2, Europa	: Shadow	start	: 2026 Feb 2 1:44:32	L +3h 50m	D +22.6	Z 260° 18.1'	H +37° 52.6'	
Sat 2, Europa	: Transit	end	: 2026 Feb 2 3:27:54	L +5h 34m	D +22.6	Z 280° 15.6'	H +21° 19.6'	
Sat 2, Europa	: Shadow	end	: 2026 Feb 2 4:35:44	L +6h 42m	D +22.6	Z 292° 26.9'	H +10° 54.2'	
Sat 2, Europa	: Occultation	start	: 2026 Feb 3 18:40:24	L -3h 07m	D +22.7	Z 109° 29.8'	H +44° 36.2'	
Sat 2, Europa	: Eclipse	end	: 2026 Feb 3 22:43:18	L +0h 57m	D +22.7	Z 207° 23.5'	H +60° 27.5'	
Sat 4, Callisto	: Occultation	start	: 2026 Feb 4 2:35:54	L +4h 50m	D +22.7	Z 272° 19.1'	H +28° 15.3'	
Sat 3, Ganymede	: Shadow	start	: 2026 Feb 4 17:58:22	L -3h 44m	D +22.7	Z 100° 49.7'	H +38° 45.9'	
Sat 3, Ganymede	: Transit	end	: 2026 Feb 4 18:47:26	L -2h 55m	D +22.7	Z 112° 20.6'	H +46° 19.9'	
Sat 3, Ganymede	: Shadow	end	: 2026 Feb 4 21:18:40	L -0h 24m	D +22.7	Z 168° 15.5'	H +62° 16.4'	
Sat 1, Io	: Transit	start	: 2026 Feb 5 3:20:16	L +5h 39m	D +22.7	Z 281° 17.4'	H +20° 29.4'	
Sat 1, Io	: Shadow	start	: 2026 Feb 5 3:57:46	L +6h 17m	D +22.7	Z 288° 01.2'	H +14° 40.0'	
Sat 1, Io	: Transit	end	: 2026 Feb 5 5:36:01	L +7h 55m	D +22.7	Z 306° 03.6'	H +0° 57.8'	
Sat 2, Europa	: Transit	end	: 2026 Feb 5 16:36:42	L -5h 02m	D +22.7	Z 85° 28.1'	H +26° 23.3'	(Hsun -1.3°)
Sat 2, Europa	: Shadow	end	: 2026 Feb 5 17:53:50	L -3h 45m	D +22.7	Z 100° 46.8'	H +38° 45.0'	
Sat 1, Io	: Occultation	start	: 2026 Feb 6 0:39:57	L +3h 03m	D +22.7	Z 249° 42.3'	H +3° 11.2'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 6 3:34:58	L +5h 58m	D +22.7	Z 284° 43.6'	H +17° 30.9'	
Sat 1, Io	: Transit	start	: 2026 Feb 6 21:46:39	L +0h 13m	D +22.7	Z 186° 38.6'	H +62° 33.9'	
Sat 1, Io	: Shadow	start	: 2026 Feb 6 22:26:25	L +0h 53m	D +22.7	Z 205° 43.5'	H +60° 46.3'	
Sat 1, Io	: Transit	end	: 2026 Feb 7 0:02:24	L +2h 29m	D +22.7	Z 240° 42.7'	H +50° 05.5'	
Sat 1, Io	: Shadow	end	: 2026 Feb 7 0:42:34	L +3h 10m	D +22.7	Z 251° 16.5'	H +44° 11.1'	
Sat 1, Io	: Occultation	start	: 2026 Feb 7 19:06:22	L -2h 23m	D +22.7	Z 121° 05.4'	H +50° 58.1'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 7 22:03:38	L +0h 35m	D +22.7	Z 197° 08.0'	H +61° 52.2'	
Sat 3, Ganymede	: Occultation	start	: 2026 Feb 8 5:05:07	L +7h 37m	D +22.7	Z 302° 42.3'	H +3° 11.2'	
Sat 1, Io	: Shadow	start	: 2026 Feb 8 16:55:11	L -4h 30m	D +22.7	Z 91° 25.3'	H +31° 29.2'	(Hsun -3.3°)
Sat 1, Io	: Transit	end	: 2026 Feb 8 18:28:56	L -2h 56m	D +22.7	Z 112° 00.7'	H +46° 12.7'	
Sat 1, Io	: Shadow	end	: 2026 Feb 8 19:11:22	L -2h 14m	D +22.7	Z 123° 53.5'	H +52° 14.8'	
Sat 2, Europa	: Transit	start	: 2026 Feb 9 2:55:07	L +5h 31m	D +22.7	Z 279° 55.7'	H +21° 45.2'	
Sat 2, Europa	: Shadow	start	: 2026 Feb 9 4:20:25	L +6h 57m	D +22.7	Z 295° 16.1'	H +8° 45.3'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 9 16:32:22	L -4h 49m	D +22.7	Z 87° 52.1'	H +28° 31.2'	(Hsun +0.3°)
Sat 2, Europa	: Occultation	start	: 2026 Feb 10 20:58:30	L -0h 18m	D +22.8	Z 171° 08.8'	H +62° 31.3'	
Sat 2, Europa	: Eclipse	end	: 2026 Feb 11 1:19:51	L +4h 04m	D +22.8	Z 263° 26.6'	H +35° 39.4'	
Sat 3, Ganymede	: Transit	start	: 2026 Feb 11 18:53:43	L -2h 19m	D +22.8	Z 122° 25.4'	H +51° 38.6'	
Sat 3, Ganymede	: Shadow	start	: 2026 Feb 11 21:57:26	L +0h 46m	D +22.8	Z 202° 23.4'	H +61° 19.0'	
Sat 3, Ganymede	: Transit	end	: 2026 Feb 11 22:10:43	L +0h 59m	D +22.8	Z 208° 24.5'	H +60° 23.9'	
Sat 3, Ganymede	: Shadow	end	: 2026 Feb 12 1:18:33	L +4h 07m	D +22.8	Z 264° 04.0'	H +35° 11.0'	
Sat 1, Io	: Transit	start	: 2026 Feb 12 5:06:19	L +7h 56m	D +22.8	Z 306° 13.8'	H +0° 57.5'	
Sat 2, Europa	: Shadow	start	: 2026 Feb 12 17:38:21	L -3h 30m	D +22.8	Z 103° 58.3'	H +41° 08.6'	
Sat 2, Europa	: Transit	end	: 2026 Feb 12 18:55:22	L -2h 13m	D +22.8	Z 124° 13.6'	H +52° 27.1'	
Sat 4, Callisto	: Shadow	start	: 2026 Feb 12 19:06:39	L -2h 01m	D +22.8	Z 127° 09.4'	H +53° 55.3'	
Sat 2, Europa	: Shadow	end	: 2026 Feb 12 20:29:57	L -0h 38m	D +22.8	Z 161° 23.5'	H +61° 46.8'	
Sat 4, Callisto	: Shadow	end	: 2026 Feb 12 23:13:30	L +2h 06m	D +22.8	Z 233° 49.8'	H +53° 16.0'	
Sat 1, Io	: Occultation	start	: 2026 Feb 13 2:26:10	L +5h 20m	D +22.8	Z 277° 49.9'	H +23° 39.1'	
Sat 1, Io	: Transit	end	: 2026 Feb 14 1:48:45	L +4h 46m	D +22.8	Z 271° 41.2'	H +28° 58.2'	
Sat 1, Io	: Shadow	end	: 2026 Feb 14 2:37:34	L +5h 35m	D +22.8	Z 280° 41.1'	H +21° 10.4'	
Sat 1, Io	: Occultation	start	: 2026 Feb 14 20:52:50	L -0h 06m	D +22.8	Z 176° 53.8'	H +62° 45.6'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 14 23:58:30	L +3h 00m	D +22.8	Z 248° 59.5'	H +45° 42.8'	
Sat 1, Io	: Transit	end	: 2026 Feb 15 20:15:33	L -0h 39m	D +22.8	Z 160° 37.0'	H +61° 43.7'	
Sat 1, Io	: Shadow	end	: 2026 Feb 15 21:06:24	L +0h 12m	D +22.8	Z 185° 53.5'	H +62° 42.0'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 16 18:27:14	L -2h 24m	D +22.8	Z 120° 50.4'	H +50° 58.8'	
Sat 2, Europa	: Occultation	start	: 2026 Feb 17 23:18:41	L +2h 33m	D +22.8	Z 241° 48.8'	H +49° 42.2'	
Sat 2, Europa	: Eclipse	end	: 2026 Feb 18 3:56:38	L +7h 12m	D +22.8	Z 298° 00.7'	H +6° 44.7'	
Sat 3, Ganymede	: Transit	end	: 2026 Feb 19 1:38:10	L +4h 57m	D +22.8	Z 273° 43.3'	H +27° 18.0'	
Sat 2, Europa	: Transit	end	: 2026 Feb 19 21:15:57	L +0h 38m	D +22.8	Z 198° 54.1'	H +61° 49.2'	
Sat 2, Europa	: Shadow	end	: 2026 Feb 19 23:06:00	L +2h 29m	D +22.8	Z 240° 37.0'	H +50° 19.1'	
Sat 1, Io	: Occultation	start	: 2026 Feb 20 4:13:26	L +7h 37m	D +22.9	Z 302° 41.6'	H +3° 20.9'	
Sat 4, Callisto	: Occultation	start	: 2026 Feb 20 17:37:18	L -2h 57m	D +22.9	Z 111° 46.0'	H +46° 14.0'	
Sat 4, Callisto	: Occultation	end	: 2026 Feb 20 21:32:16	L +0h 59m	D +22.9	Z 208° 20.7'	H +60° 30.2'	
Sat 4, Callisto	: Eclipse	start	: 2026 Feb 21 2:19:19	L +5h 47m	D +22.9	Z 282° 46.5'	H +19° 26.3'	
Sat 1, Io	: Transit	end	: 2026 Feb 21 3:36:13	L +7h 04m	D +22.9	Z 296° 35.9'	H +7° 52.1'	
Sat 1, Io	: Shadow	end	: 2026 Feb 21 4:32:42	L +8h 00m	D +22.9	Z 307° 08.8'	H +0° 30.8'	
Sat 2, Europa	: Eclipse	end	: 2026 Feb 21 17:15:21	L -3h 15m	D +22.9	Z 107° 23.3'	H +43° 32.6'	(Hsun -3.1°)
Sat 1, Io	: Occultation	start	: 2026 Feb 21 22:40:23	L +2h 11m	D +22.9	Z 235° 28.1'	H +52° 41.3'	
Sat 1, Io	: Eclipse	end	: 2026 Feb 22 1:53:25	L +5h 25m	D +22.9	Z 278° 51.5'	H +22° 52.4'	
Sat 3, Ganymede	: Eclipse	end	: 2026 Feb 22 19:14:54	L -1h 11m	D +22.9	Z 146° 33.8'	H +59° 32.7'	
Sat 1, Io	: Transit	end	: 2026 Feb 22 22:03:19	L +1h 38m	D +22.9	Z 224° 19.4'	H +56° 45.0'	
Sat 1, Io	: Shadow	end	: 2026 Feb 22 23:01:33	L +2h 37m	D +22.9	Z 242° 55.1'	H +49° 11.5'	
Sat 1, Io	: Occultation	start	: 2026 Feb 23 17:07:28	L -3h 14m	D +22.9	Z 107° 28.8'	H +43° 37.3'	(Hsun -1.3°)
Sat 1, Io	: Eclipse	end	: 2026 Feb 23 20:22:10	L +0h 01m	D +22.9	Z 180° 31.1'	H +62° 51.8'	
Sat 1, Io	: Shadow	end	: 2026 Feb 24 17:30:20	L -2h 47m	D +22.9	Z 114° 14.9'	H +47° 41.4'	(Hsun -5.2°)
Sat 2, Europa	: Occultation	start	: 2026 Feb 25 1:41:12	L +5h 25m	D +22.9	Z 278° 54.9'	H +22° 51.1'	