Siderial Hour Angle at 2026-11-02T00:00:00 UTC:

Jupiter : 213° 01.1′ (R.A.: 9h 47m 55.5s)
Sun   : 142° 49.4′ (R.A.: 14h 28m 42.2s)

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

Sat 1, Io	: Eclipse	start	: 2026 Nov 2	1:43:48	L -4h 48m	D +14.0	Z 94° 40.8′	H +22° 20.6′	
Sat 1, Io	: Occultation	end	: 2026 Nov 2	5:15:54	L -1h 15m	D +14.0	Z 150° 24.1′	H +50° 54.4′	
Sat 1, Io	: Transit	start	: 2026 Nov 3	0:16:26	L -6h 12m	D +14.0	Z 78° 44.0′	H +8° 56.3′	
Sat 1, Io	: Occultation	end	: 2026 Nov 3	23:44:50	L -6h 40m	D +14.0	Z 73° 28.8′	H +4° 35.6′	
Sat 3, Ganymede	: Shadow	start	: 2026 Nov 4	1:25:58	L -4h 58m	D +14.0	Z 92° 35.8′	H +20° 32.8′	
Sat 3, Ganymede	: Transit	start	: 2026 Nov 4	6:24:19	L +0h 01m	D +13.9	Z 180° 15.7′	H +53° 56.2′	(Hsun -0.1°)
Sat 2, Europa	: Shadow	start	: 2026 Nov 6	6:32:54	L +0h 16m	D +13.9	Z 186° 40.3′	H +53° 43.0′	(Hsun +0.5°)
Sat 3, Ganymede	: Occultation	end	: 2026 Nov 8	0:00:38	L -6h 10m	D +13.8	Z 79° 09.7′	H +9° 04.7′	
Sat 2, Europa	: Eclipse	start	: 2026 Nov 8	1:32:00	L -4h 38m	D +13.8	Z 96° 38.9′	H +23° 39.4′	
Sat 1, Io	: Shadow	start	: 2026 Nov 8	6:27:56	L +0h 18m	D +13.8	Z 187° 30.5′	H +53° 36.7′	(Hsun -0.6°)
Sat 1, Io	: Eclipse	start	: 2026 Nov 9	3:37:21	L -2h 29m	D +13.8	Z 126° 43.8′	H +42° 47.3′	
Sat 1, Io	: Shadow	start	: 2026 Nov 10	0:56:11	L -5h 07m	D +13.8	Z 91° 02.8′	H +19° 00.3′	
Sat 1, Io	: Transit	start	: 2026 Nov 10	2:10:55	L -3h 52m	D +13.8	Z 106° 17.7′	H +30° 51.0′	
Sat 1, Io	: Occultation	end	: 2026 Nov 11	1:39:45	L -4h 20m	D +13.7	Z 100° 26.9′	H +26° 30.5′	
Sat 3, Ganymede	: Shadow	start	: 2026 Nov 11	5:23:29	L -0h 36m	D +13.7	Z 165° 31.8′	H +52° 59.5′	
Sat 3, Ganymede	: Eclipse	end	: 2026 Nov 14	22:53:40	L -6h 52m	D +13.6	Z 71° 22.5′	H +2° 32.7′	
Sat 3, Ganymede	: Occultation	start	: 2026 Nov 15	0:21:39	L -5h 24m	D +13.6	Z 87° 56.7′	H +16° 13.4′	
Sat 3, Ganymede	: Occultation	end	: 2026 Nov 15	4:01:38	L -1h 43m	D +13.6	Z 140° 47.0′	H +47° 57.2′	
Sat 2, Europa	: Eclipse	start	: 2026 Nov 15	4:05:17	L -1h 40m	D +13.6	Z 141° 59.8′	H +48° 19.2′	
Sat 4, Callisto	: Eclipse	start	: 2026 Nov 16	2:48:47	L -2h 53m	D +13.6	Z 120° 30.5′	H +39° 28.1′	
Sat 1, Io	: Eclipse	start	: 2026 Nov 16	5:30:53	L -0h 10m	D +13.6	Z 175° 48.2′	H +53° 31.2′	
Sat 2, Europa	: Transit	start	: 2026 Nov 17	1:01:32	L -4h 37m	D +13.6	Z 97° 09.7′	H +23° 44.1′	
Sat 1, Io	: Shadow	start	: 2026 Nov 17	2:49:13	L -2h 49m	D +13.6	Z 121° 34.9′	H +40° 00.4′	
Sat 1, Io	: Transit	start	: 2026 Nov 17	4:04:26	L -1h 33m	D +13.6	Z 144° 10.7′	H +48° 53.4′	
Sat 1, Io	: Eclipse	start	: 2026 Nov 17	23:59:20	L -5h 35m	D +13.5	Z 85° 49.0′	H +14° 19.8′	
Sat 1, Io	: Occultation	end	: 2026 Nov 18	3:33:44	L -2h 00m	D +13.5	Z 135° 21.7′	H +46° 03.2′	
Sat 1, Io	: Transit	start	: 2026 Nov 18	22:32:39	L -6h 59m	D +13.5	Z 70° 11.2′	H +1° 33.2′	
Sat 2, Europa	: Occultation	end	: 2026 Nov 18	22:43:18	L -6h 48m	D +13.5	Z 72° 12.7′	H +3° 04.1′	
Sat 3, Ganymede	: Eclipse	start	: 2026 Nov 21	23:11:46	L -6h 08m	D +13.5	Z 79° 40.4′	H +9° 02.5′	
Sat 3, Ganymede	: Eclipse	end	: 2026 Nov 22	2:51:39	L -2h 28m	D +13.5	Z 127° 17.0′	H +42° 39.7′	
Sat 3, Ganymede	: Occultation	start	: 2026 Nov 22	4:18:58	L -1h 00m	D +13.5	Z 156° 00.7′	H +51° 25.3′	
Sat 2, Europa	: Eclipse	start	: 2026 Nov 22	6:38:28	L +1h 19m	D +13.5	Z 210° 55.0′	H +50° 01.1′	(Hsun -2.2°)
Sat 2, Europa	: Shadow	start	: 2026 Nov 24	1:02:20	L -4h 10m	D +13.4	Z 102° 41.3′	H +27° 48.4′	
Sat 2, Europa	: Transit	start	: 2026 Nov 24	3:36:28	L -1h 36m	D +13.4	Z 143° 27.4′	H +48° 32.1′	
Sat 1, Io	: Shadow	start	: 2026 Nov 24	4:42:14	L -0h 30m	D +13.4	Z 167° 57.2′	H +52° 54.9′	
Sat 1, Io	: Transit	start	: 2026 Nov 24	5:56:57	L +0h 45m	D +13.4	Z 198° 07.6′	H +52° 16.2′	
Sat 4, Callisto	: Transit	start	: 2026 Nov 25	1:07:14	L -4h 02m	D +13.4	Z 104° 31.7′	H +29° 08.3′	
Sat 1, Io	: Eclipse	start	: 2026 Nov 25	1:52:53	L -3h 16m	D +13.4	Z 114° 53.6′	H +36° 02.8′	
Sat 1, Io	: Occultation	end	: 2026 Nov 25	5:26:43	L +0h 19m	D +13.4	Z 187° 33.0′	H +53° 12.2′	
Sat 1, Io	: Shadow	start	: 2026 Nov 25	23:10:29	L -5h 55m	D +13.4	Z 82° 15.0′	H +11° 07.1′	