

Siderial Hour Angle at 2026-09-19T00:00:00 UTC:

Jupiter : 220° 01.5' (R.A.: 9h 19m 54.2s)
Sun : 183° 35.5' (R.A.: 11h 45m 38.1s)

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

Sat 4, Callisto	: Transit	end	: 2026 Sep 19 1:50:13	L -7h 07m	D +16.2	Z 67° 02.8'	H +2° 22.6'	
Sat 2, Europa	: Shadow	start	: 2026 Sep 21 1:44:02	L -7h 06m	D +16.1	Z 67° 08.7'	H +2° 18.9'	
Sat 2, Europa	: Transit	start	: 2026 Sep 21 3:24:29	L -5h 26m	D +16.1	Z 85° 54.3'	H +17° 44.3'	
Sat 2, Europa	: Shadow	end	: 2026 Sep 21 4:37:49	L -4h 12m	D +16.1	Z 100° 19.0'	H +29° 28.4'	
Sat 3, Ganymede	: Shadow	start	: 2026 Sep 22 1:38:43	L -7h 09m	D +16.0	Z 66° 46.4'	H +1° 58.7'	
Sat 3, Ganymede	: Transit	start	: 2026 Sep 22 5:02:38	L -3h 44m	D +16.0	Z 106° 22.7'	H +33° 48.5'	(Hsun -2.2°)
Sat 3, Ganymede	: Shadow	end	: 2026 Sep 22 5:16:15	L -3h 31m	D +16.0	Z 109° 27.8'	H +35° 53.5'	(Hsun -0.1°)
Sat 2, Europa	: Occultation	end	: 2026 Sep 23 1:28:14	L -7h 16m	D +15.9	Z 65° 24.9'	H +0° 57.9'	
Sat 1, Io	: Eclipse	start	: 2026 Sep 24 3:19:10	L -5h 22m	D +15.9	Z 86° 49.3'	H +18° 17.4'	
Sat 1, Io	: Transit	start	: 2026 Sep 25 1:32:41	L -7h 05m	D +15.8	Z 67° 32.7'	H +2° 20.6'	
Sat 4, Callisto	: Eclipse	end	: 2026 Sep 27 1:41:53	L -6h 49m	D +15.7	Z 70° 33.6'	H +4° 30.1'	
Sat 4, Callisto	: Occultation	start	: 2026 Sep 27 5:29:40	L -3h 01m	D +15.7	Z 116° 46.2'	H +40° 01.0'	(Hsun +0.8°)
Sat 2, Europa	: Shadow	start	: 2026 Sep 28 4:19:05	L -4h 09m	D +15.7	Z 101° 21.9'	H +29° 45.0'	
Sat 2, Europa	: Occultation	end	: 2026 Sep 30 4:12:47	L -4h 09m	D +15.6	Z 101° 28.4'	H +29° 41.3'	
Sat 1, Io	: Eclipse	start	: 2026 Oct 1 5:12:47	L -3h 05m	D +15.5	Z 115° 55.7'	H +39° 15.8'	(Hsun -2.8°)
Sat 1, Io	: Shadow	start	: 2026 Oct 2 2:33:26	L -5h 42m	D +15.4	Z 83° 21.2'	H +14° 45.7'	
Sat 1, Io	: Transit	start	: 2026 Oct 2 3:31:15	L -4h 44m	D +15.4	Z 94° 25.0'	H +24° 01.6'	
Sat 1, Io	: Occultation	end	: 2026 Oct 3 2:57:57	L -5h 14m	D +15.4	Z 88° 37.6'	H +19° 09.7'	
Sat 3, Ganymede	: Occultation	end	: 2026 Oct 3 3:03:15	L -5h 08m	D +15.4	Z 89° 38.4'	H +20° 00.7'	
Sat 2, Europa	: Eclipse	start	: 2026 Oct 7 2:00:24	L -5h 58m	D +15.2	Z 80° 23.7'	H +11° 54.2'	
Sat 1, Io	: Shadow	start	: 2026 Oct 9 4:26:50	L -3h 25m	D +15.1	Z 111° 25.6'	H +35° 59.8'	
Sat 1, Io	: Transit	start	: 2026 Oct 9 5:29:13	L -2h 23m	D +15.1	Z 127° 38.8'	H +44° 43.3'	(Hsun -2.1°)
Sat 1, Io	: Eclipse	start	: 2026 Oct 10 1:34:49	L -6h 14m	D +15.0	Z 77° 33.6'	H +9° 19.2'	
Sat 3, Ganymede	: Eclipse	end	: 2026 Oct 10 3:02:55	L -4h 46m	D +15.0	Z 94° 16.1'	H +23° 21.2'	
Sat 3, Ganymede	: Occultation	start	: 2026 Oct 10 3:40:35	L -4h 08m	D +15.0	Z 101° 55.9'	H +29° 20.6'	
Sat 1, Io	: Occultation	end	: 2026 Oct 10 4:56:13	L -2h 52m	D +15.0	Z 119° 31.9'	H +40° 41.9'	