

Siderial Hour Angle at 2024-07-26T00:00:00 UTC:

Jupiter : 288° 00.9' (R.A.: 4h 47m 56.6s)
Sun : 234° 11.0' (R.A.: 8h 23m 16.2s)

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

Sat 1, Io	: Transit	end	: 2024 Jul 26 0:40:57	L -7h 19m	D +21.7	Z 61° 20.2'	H +4° 52.0'	
Sat 2, Europa	: Occultation	end	: 2024 Jul 26 0:54:59	L -7h 05m	D +21.7	Z 63° 55.6'	H +6° 49.9'	
Sat 3, Ganymede	: Transit	end	: 2024 Jul 26 0:59:41	L -7h 00m	D +21.7	Z 64° 47.3'	H +7° 30.2'	
Sat 1, Io	: Eclipse	start	: 2024 Aug 1 2:06:46	L -5h 34m	D +21.8	Z 80° 15.1'	H +20° 41.6'	
Sat 1, Io	: Transit	start	: 2024 Aug 2 0:28:59	L -7h 09m	D +21.9	Z 63° 06.8'	H +6° 23.6'	
Sat 3, Ganymede	: Shadow	end	: 2024 Aug 2 0:40:36	L -6h 57m	D +21.9	Z 65° 14.6'	H +8° 03.1'	
Sat 1, Io	: Shadow	end	: 2024 Aug 2 1:31:41	L -6h 06m	D +21.9	Z 74° 28.5'	H +15° 42.7'	
Sat 1, Io	: Transit	end	: 2024 Aug 2 2:39:16	L -4h 58m	D +21.9	Z 86° 48.6'	H +26° 24.0'	
Sat 3, Ganymede	: Transit	start	: 2024 Aug 2 3:20:35	L -4h 17m	D +21.9	Z 94° 48.2'	H +33° 02.3'	(Hsun -6.1°)
Sat 2, Europa	: Occultation	end	: 2024 Aug 2 3:38:34	L -3h 59m	D +21.9	Z 98° 29.2'	H +35° 54.7'	(Hsun -3.2°)
Sat 1, Io	: Occultation	end	: 2024 Aug 2 23:55:20	L -7h 39m	D +21.9	Z 57° 25.5'	H +2° 17.8'	
Sat 1, Io	: Eclipse	start	: 2024 Aug 8 4:01:00	L -3h 17m	D +22.0	Z 107° 37.6'	H +42° 30.9'	(Hsun -1.3°)
Sat 1, Io	: Shadow	start	: 2024 Aug 9 1:15:26	L -6h 00m	D +22.0	Z 75° 29.7'	H +16° 45.8'	
Sat 2, Europa	: Eclipse	start	: 2024 Aug 9 1:30:30	L -5h 45m	D +22.0	Z 78° 12.6'	H +19° 07.1'	
Sat 1, Io	: Transit	start	: 2024 Aug 9 2:26:40	L -4h 48m	D +22.0	Z 88° 33.7'	H +28° 04.3'	
Sat 3, Ganymede	: Shadow	start	: 2024 Aug 9 2:48:11	L -4h 27m	D +22.0	Z 92° 43.0'	H +31° 31.9'	
Sat 1, Io	: Shadow	end	: 2024 Aug 9 3:25:17	L -3h 50m	D +22.0	Z 100° 18.6'	H +37° 27.4'	
Sat 1, Io	: Occultation	end	: 2024 Aug 10 1:53:40	L -5h 18m	D +22.0	Z 83° 00.0'	H +23° 18.8'	
Sat 2, Europa	: Transit	end	: 2024 Aug 11 1:11:31	L -5h 57m	D +22.0	Z 75° 55.9'	H +17° 11.2'	
Sat 3, Ganymede	: Occultation	end	: 2024 Aug 12 23:31:18	L -7h 31m	D +22.1	Z 58° 51.6'	H +3° 29.5'	
Sat 1, Io	: Shadow	start	: 2024 Aug 16 3:08:56	L -3h 43m	D +22.1	Z 101° 36.5'	H +38° 33.4'	
Sat 2, Europa	: Eclipse	start	: 2024 Aug 16 4:04:23	L -2h 48m	D +22.1	Z 114° 51.8'	H +47° 01.3'	(Hsun -2.6°)
Sat 1, Io	: Transit	start	: 2024 Aug 16 4:23:39	L -2h 28m	D +22.1	Z 120° 10.6'	H +49° 46.3'	(Hsun +0.2°)
Sat 1, Io	: Eclipse	start	: 2024 Aug 17 0:23:42	L -6h 25m	D +22.1	Z 70° 47.9'	H +12° 55.4'	
Sat 1, Io	: Occultation	end	: 2024 Aug 17 3:51:17	L -2h 57m	D +22.1	Z 112° 18.3'	H +45° 35.2'	(Hsun -5.3°)
Sat 2, Europa	: Shadow	start	: 2024 Aug 17 22:49:01	L -7h 57m	D +22.1	Z 53° 54.6'	H +0° 22.1'	
Sat 1, Io	: Transit	start	: 2024 Aug 17 22:52:46	L -7h 53m	D +22.1	Z 54° 37.7'	H +0° 47.4'	
Sat 1, Io	: Shadow	end	: 2024 Aug 17 23:47:13	L -6h 59m	D +22.1	Z 64° 47.0'	H +8° 01.8'	
Sat 1, Io	: Transit	end	: 2024 Aug 18 1:03:05	L -5h 43m	D +22.1	Z 78° 28.0'	H +19° 31.8'	
Sat 2, Europa	: Shadow	end	: 2024 Aug 18 1:18:01	L -5h 28m	D +22.1	Z 81° 10.4'	H +21° 53.4'	
Sat 2, Europa	: Transit	start	: 2024 Aug 18 1:23:32	L -5h 22m	D +22.1	Z 82° 10.8'	H +22° 46.1'	
Sat 2, Europa	: Transit	end	: 2024 Aug 18 3:55:27	L -2h 50m	D +22.1	Z 114° 13.2'	H +46° 42.0'	(Hsun -4.9°)