

Siderial Hour Angle at 2026-06-21T00:00:00 UTC:

Jupiter : 239° 45.8' (R.A.: 8h 00m 56.7s)
Sun : 270° 21.9' (R.A.: 5h 58m 32.3s)

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

Sat 1, Io	: Occultation	start	: 2026 Jun 25 20:33:45	L +7h 16m	D +20.8	Z 297° 29.6'	H +4° 35.0'	
Sat 1, Io	: Transit	end	: 2026 Jun 26 20:08:47	L +6h 54m	D +20.7	Z 293° 25.0'	H +7° 40.4'	(Hsun -4.0°)
Sat 1, Io	: Shadow	end	: 2026 Jun 26 20:41:03	L +7h 26m	D +20.7	Z 299° 24.2'	H +3° 08.4'	
Sat 2, Europa	: Transit	end	: 2026 Jun 27 20:38:35	L +7h 27m	D +20.7	Z 299° 29.2'	H +3° 01.7'	
Sat 1, Io	: Transit	start	: 2026 Jul 3 19:52:49	L +6h 59m	D +20.4	Z 294° 12.1'	H +6° 39.6'	(Hsun -1.8°)
Sat 1, Io	: Shadow	start	: 2026 Jul 3 20:18:10	L +7h 25m	D +20.4	Z 298° 55.1'	H +3° 06.9'	(Hsun -5.3°)
Sat 1, Io	: Eclipse	end	: 2026 Jul 4 19:45:46	L +6h 55m	D +20.4	Z 293° 25.9'	H +7° 12.5'	(Hsun -0.9°)
Sat 2, Europa	: Transit	start	: 2026 Jul 4 20:34:35	L +7h 44m	D +20.4	Z 302° 35.0'	H +0° 36.8'	