

HW Observation Session

March 22, 2024

8 pm to 10 pm

HW Smoke Tree Circle

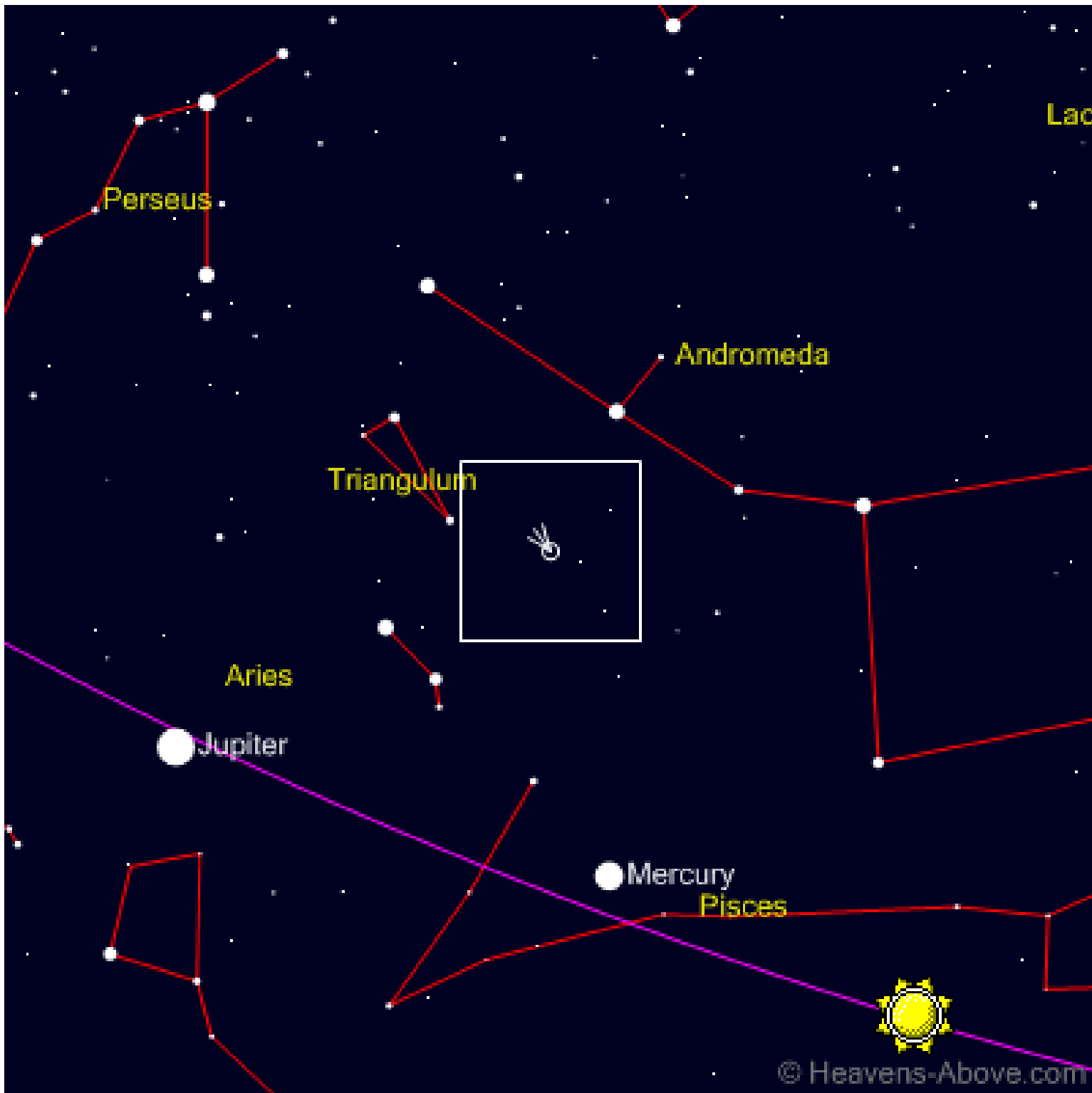
Daily events for 22 March

Event	Time	Altitude	Azimuth
Minimum altitude:	01:39	-58.9°	0°
Astronomical twilight begins:	06:13	-18.0°	78°
Nautical twilight begins:	06:41	-12.0°	82°
Civil twilight begins:	07:09	-6.0°	85°
Sunrise:	07:33	-0.8°	88°
Maximum altitude:	13:39	60.8°	180°
Sunset:	19:45	-0.8°	272°
Civil twilight ends:	20:09	-6.0°	275°
Nautical twilight ends:	20:37	-12.0°	278°
Astronomical twilight ends:	21:05	-18.0°	282°

Moon in Leo

Constellation	Leo		
Appearance			
Diameter	29.43'		
Illumination of disk	95%		
Libration in longitude	1.794°		
Libration in latitude	-4.355°		
Event	Time	Altitude	Azimuth
Sets	06:25	-0.8°	286°
Rises	17:42	-0.8°	76°
Maximum altitude	00:00	74.4°	198°
Monthly phases			
New moon	10 March 2024 04:01		
First quarter	16 March 2024 23:11		
Full moon	25 March 2024 02:00		
Last quarter	01 April 2024 22:15		
New moon	08 April 2024 13:21		

Comet 12P -Pons Brooks magnitude 5.0



8 pm HW Smoke Tree Circle Sky Map - Note Comet & Mercury early

