



Astronomy Club Challenge - 25/11/10

Want help finding the stars and planets?

Stellarium is a free planetarium for your computer. It shows a realistic sky in 3D, just like what you see with the naked eye, binoculars or a telescope. It is being used in planetarium projectors. Just set your coordinates and go!

<http://www.stellarium.org/>



The moons of Jupiter

Jupiter is the really bright star that is shining in the early evening sky. With a small telescope or a good pair of binoculars it should be possible to see (a) the bands of cloud around the planet; and (b) up to four pin pricks of light in a line level with the centre of the planet: these are its four largest moons Io, Europa, Ganymede and Callisto.



The Following International Space Station sightings are possible from Friday November 19th until Saturday December 4th:

http://spaceflight.nasa.gov/realdata/sightings/cities/view.cgi?country=United_Kingdom®ion=England&city=Durham

| LOCAL DATE/TIME | DURATION (MIN) | MAX ELEV (DEG) | APPROACH (DEG-DIR) | DEPARTURE (DEG-DIR) |
|---------------------|----------------|----------------|--------------------|---------------------|
| Sun Nov 28/06:45 AM | 1 | 18 | 16 above S | 18 above SSE |
| Mon Nov 29/07:10 AM | 2 | 30 | 17 above SW | 29 above SSE |
| Tue Nov 30/06:01 AM | 2 | 19 | 16 above S | 18 above SE |
| Wed Dec 01/06:26 AM | 2 | 31 | 17 above SW | 27 above SE |
| Thu Dec 02/05:19 AM | 1 | 20 | 20 above SSE | 16 above ESE |
| Thu Dec 02/06:51 AM | 3 | 41 | 15 above WSW | 35 above SE |
| Fri Dec 03/05:44 AM | 1 | 32 | 31 above S | 24 above SE |
| Fri Dec 03/07:17 AM | 3 | 42 | 15 above WSW | 36 above SSE |
| Sat Dec 04/06:09 AM | 2 | 41 | 33 above SW | 30 above SE |

Space Shuttle Launch

The second last shuttle launch (Space Shuttle Discovery STS-133) is due at 8.52 AM Dec 3rd. Watch it on NASA TV.

