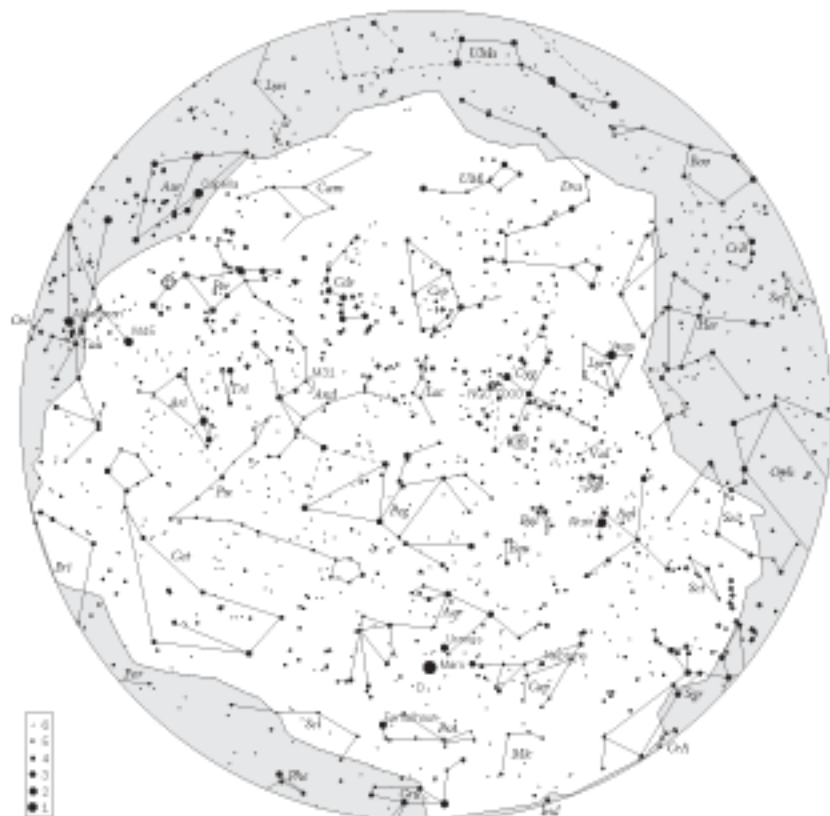


## September skies from Savage Farm



## Jeff's observing report

### Jeff Stetekluh

Jeff's astronomical calculations are made for the Northern Virginia area. See [www.novac.com/jeff/refs.htm](http://www.novac.com/jeff/refs.htm) for calculation references and further details.

### Jupiter eclipse events on Friday and Saturday nights

Sep 20	8:58 am	Ganymede Eclipse start
Oct 18	5:11 am	Io Eclipse start
Oct 25	7:04 am	Io Eclipse start
Oct 26	5:22 am	Ganymede Eclipse end
Nov 2	5:46 am	Ganymede Eclipse start

### The Sun

Sep 14	rises at 6:48 am	sets at 7:19 pm
Oct 12	rises at 7:14 am	sets at 6:35 pm
Nov 9	rises at 6:44 am	sets at 5:00 pm

### The Moon

Sep 10	Full Moon
Sep 18	Last Quarter
Sep 25	New Moon
Oct 2	First Quarter
Oct 10	Full Moon
Oct 25	New Moon
Oct 31	First Quarter
Nov 8	Full Moon

### Events

Sep 10	Mercury is in inferior conjunction (between Sun and Earth)
Sep 23	Autumnal equinox (from Espenak)
Sep 26	Mercury is at greatest western elongation (from Espenak)
Oct 21	The Orionid meteor shower peaks (active Oct 2 to Nov 7) (from IMO)
Oct 25	Mercury is in superior conjunction (from Espenak)
Oct 26	EST starts
Nov 8	Total lunar eclipse; mag=-1.018 (from Espenak)

### The Planets

Sep 14	Rises	Transits	Sets
Mercury	6:22 am	12:35 pm	6:49 pm
Venus	7:24 am	1:33 pm	7:41 pm
Mars	6:47 pm	11:54 pm	5:06 am
Jupiter	5:23 am	12:00 pm	6:38 pm
Saturn	1:08 am	8:27 am	3:46 pm

Oct 12	Rises	Transits	Sets
Mercury	6:27 am	12:24 pm	6:19 pm
Venus	8:28 am	1:51 pm	7:14 pm
Mars	4:49 pm	10:04 pm	3:22 am
Jupiter	4:01 am	10:32 am	5:02 pm
Saturn	11:20 pm	8:42 am	2:01 pm

Each map depicts the sky at 0 hours for the 15th day of the respective month. The shaded area approximates the local horizon obstruction at the site.

## October skies from Savage Farm

