

Charlie Elliot Chapter

Observing 101

Observing 101 – Oct 2010

- Astro Events
- Featured Objects
- Target List

Astro Events

Tonight:

- Sunset at 7:18 PM
- Moonrise at 2:40 AM

Astro Events

Tonight:

- Venus sets at 8:21 PM
- Mars sets at 8:47 PM
- Jupiter rises at 6:44 PM
- Uranus rises at 6:44 PM
- Neptune sets at 4:13 AM

Astro Events

This month's events ...

- Oct 3: Jupiter Great Red Spot Transit 12:35 am
- Oct 3: Moon near Beehive Cluster 1:00am EDT
- Oct 4-6: Crescent Moon near Regulus & Mercury
- Oct 7: New Moon at 2:44 am EDT
- Oct 9: Crescent Moon, Venus, & Mars 10:00pm
- Oct 20: Comet 103P / Hartley peak magnitude
- Oct 21: Orionid Meteor Shower
- Oct 22: Full Moon 9:37 pm EDT
- Oct 31: Ganymede & Europa Shadow Transit 1:30am
-

Astro Events

Next month's events ...

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- November 1-31 : The return of Venus & Saturn
- November 6 : New Moon 12:52am EDT
- November 6 : Next CE Chapter Meeting

Dawn, Oct 4–6

30 minutes before sunrise



Antares

SCORPIUS

LIBRA

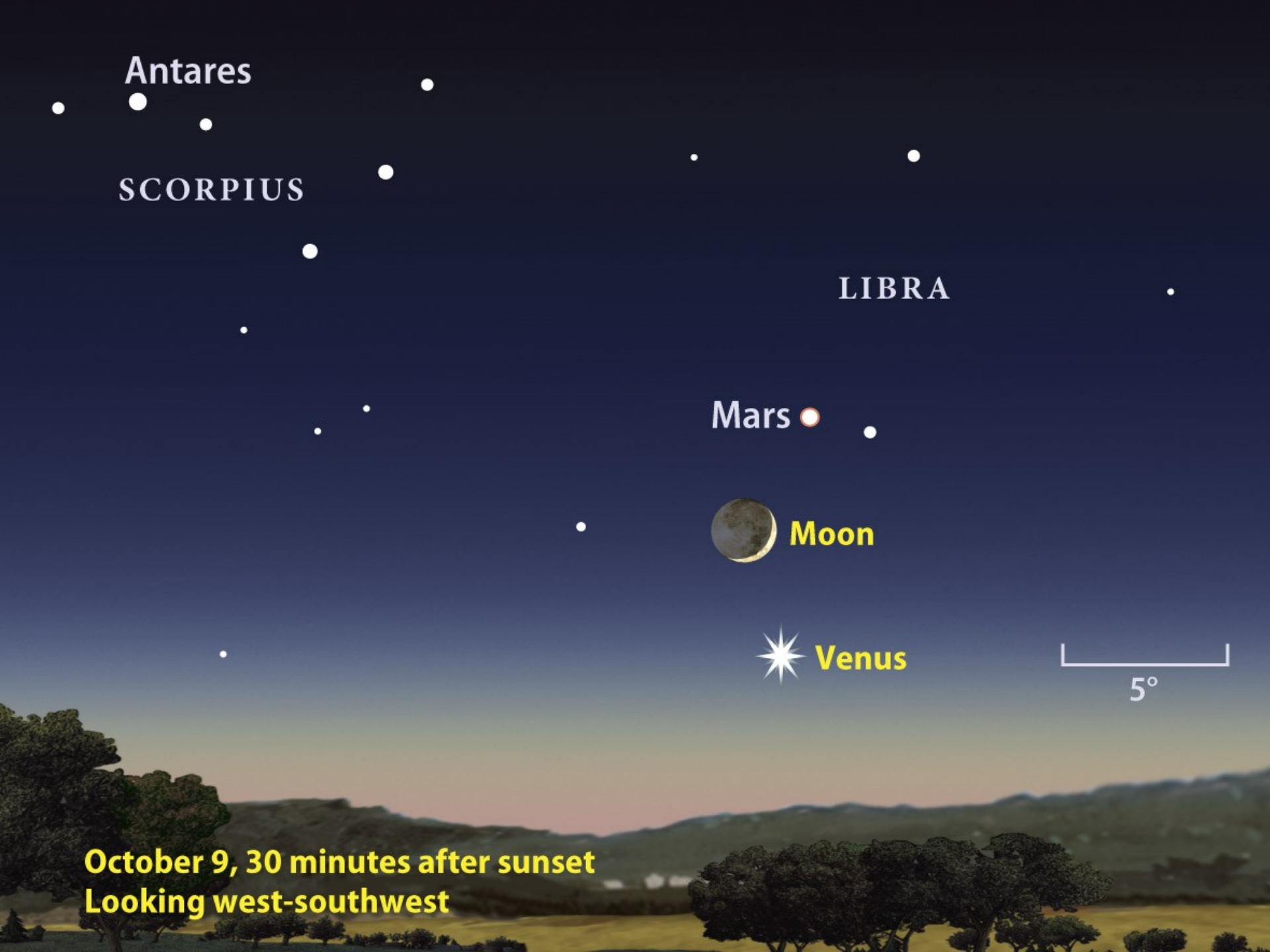
Mars

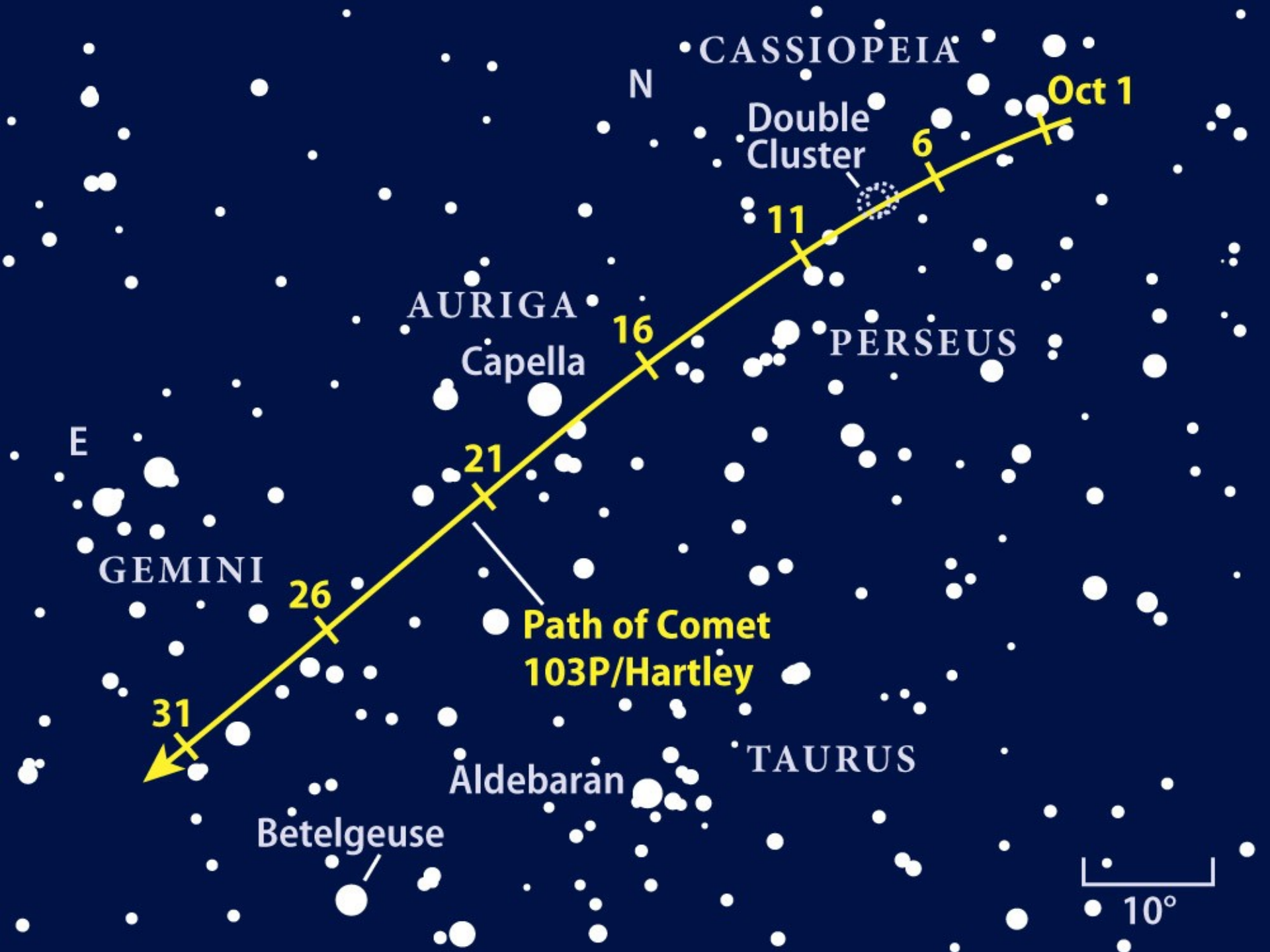
Moon

Venus

5°

October 9, 30 minutes after sunset
Looking west-southwest





CASSIOPEIA

N

Double Cluster

Oct 1

6

11

AURIGA

16

PERSEUS

Capella

E

21

GEMINI

26

Path of Comet 103P/Hartley

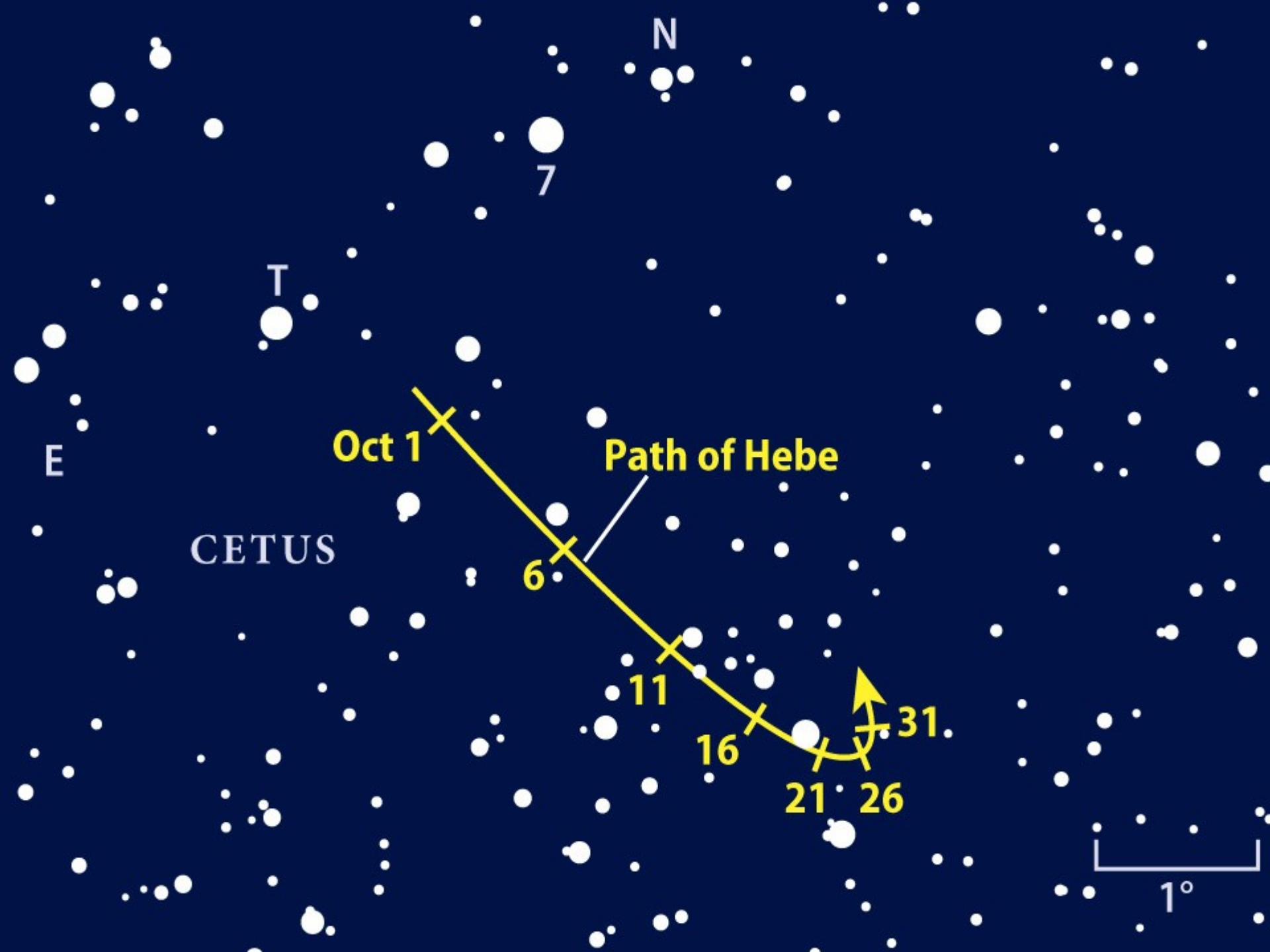
31

TAURUS

Aldebaran

Betelgeuse

10°





October 21, 2 A.M.
Looking southeast

Jupiter on October 31, 1:30 A.M. EDT

●
Ganymede

S

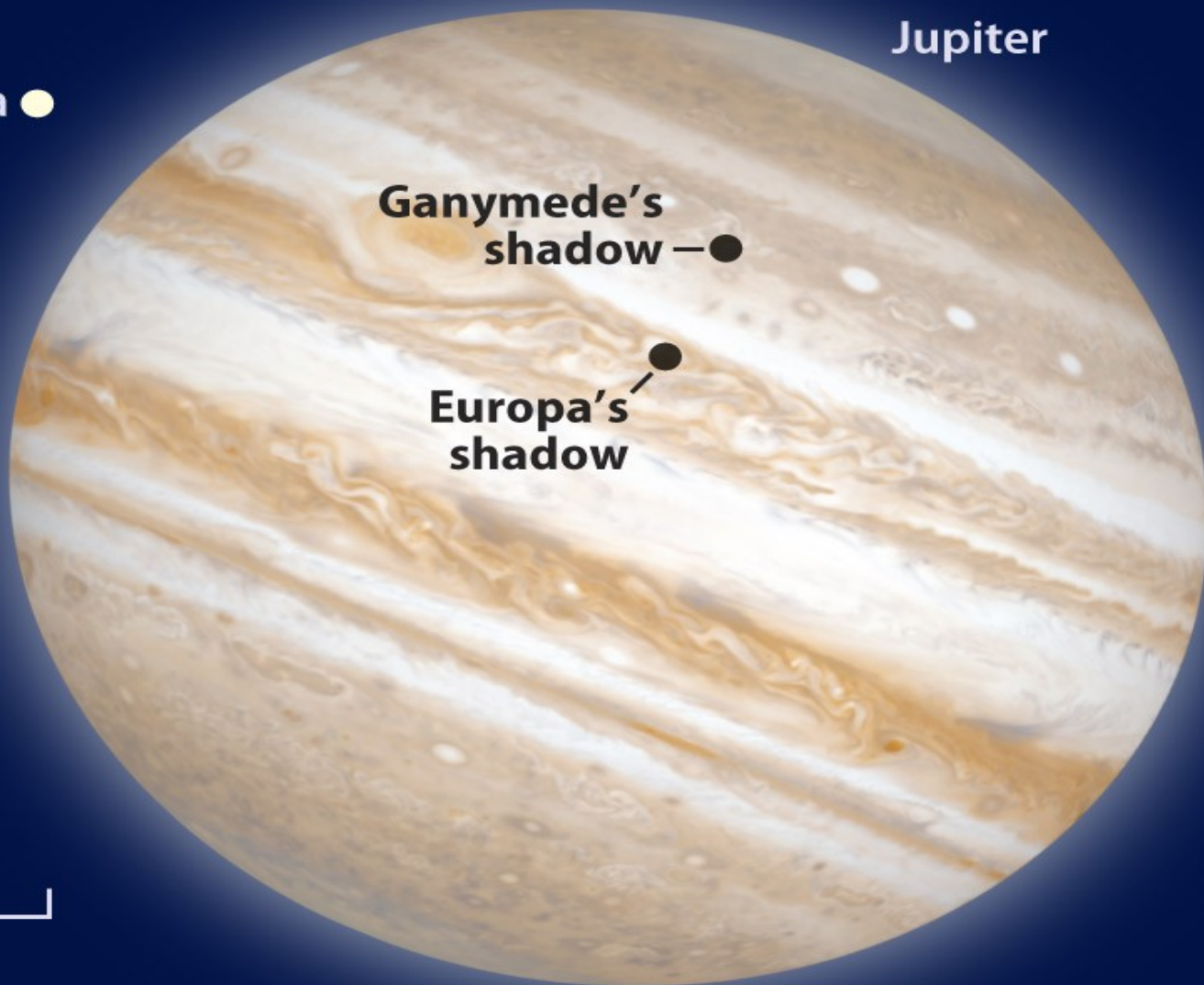
Jupiter

Europa ●

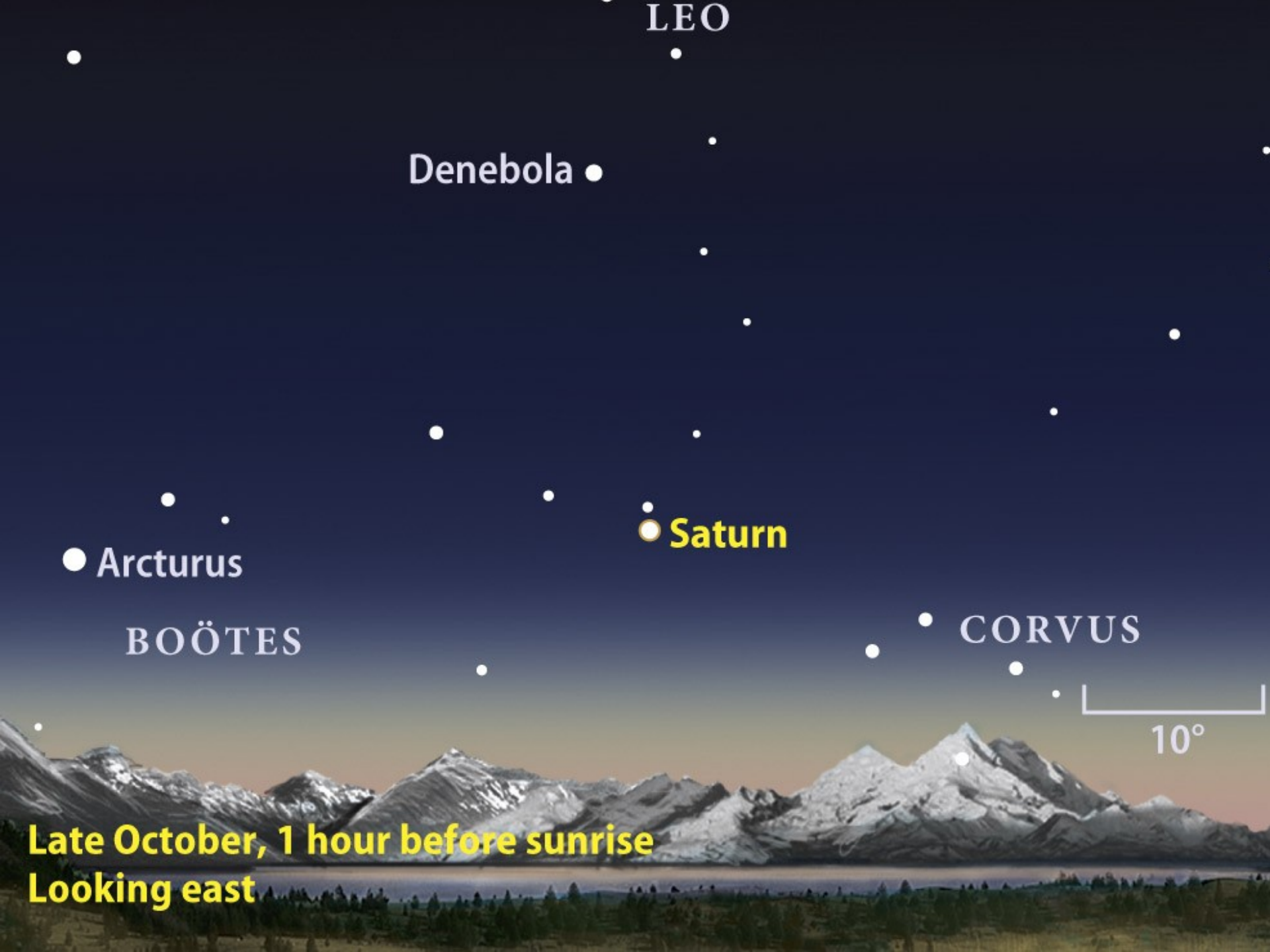
Ganymede's
shadow —●

Europa's
shadow —●

W



15"



LEO

Denebola ●

● Arcturus

● Saturn

BOÖTES

CORVUS



10°

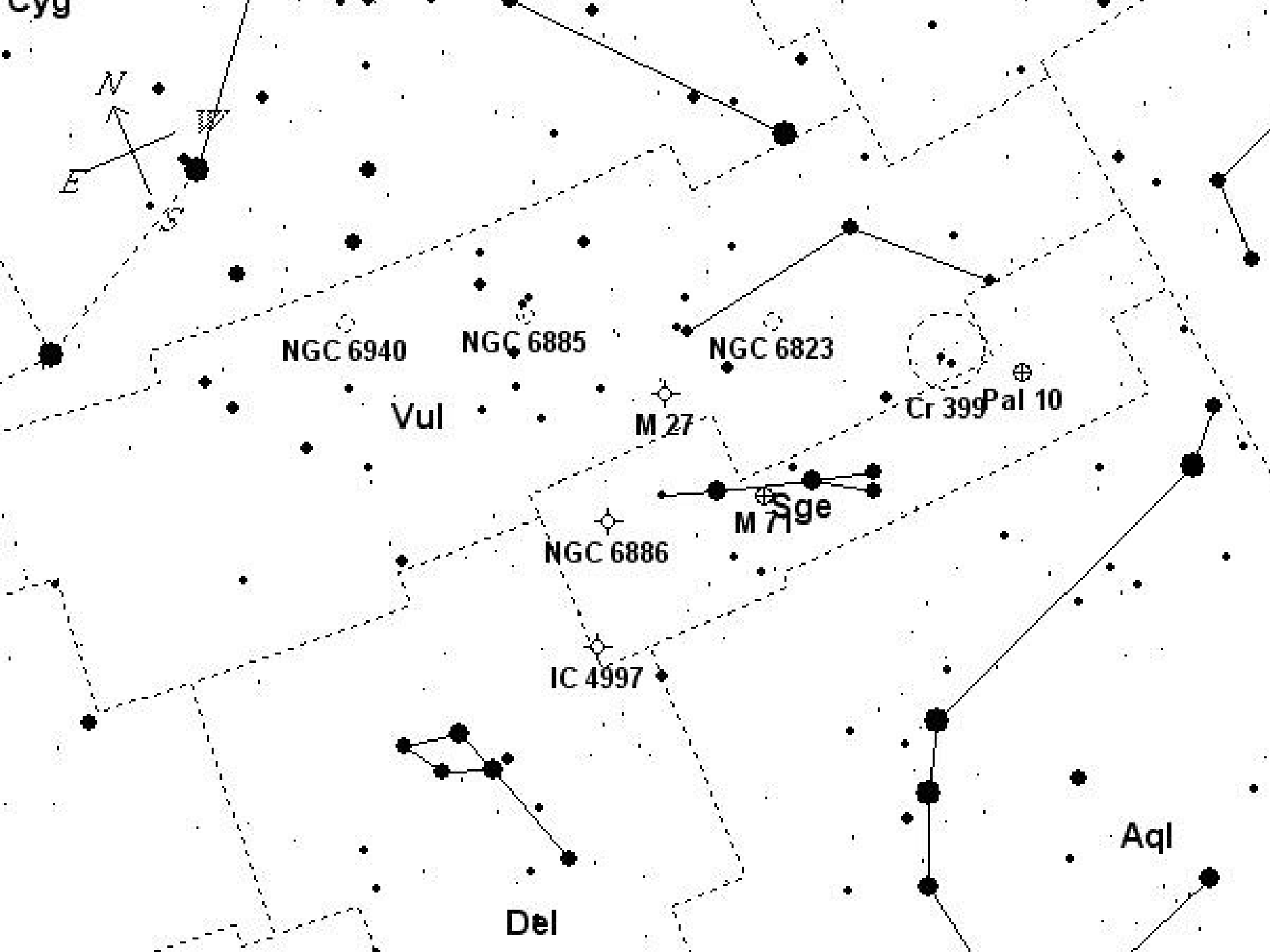
Late October, 1 hour before sunrise
Looking east

Target List

Small Telescopes & Binoculars

Object	Type	Mag	Size	Constellation
M31	Galaxy	4.3	189'	Andromeda
M2	Globular Cluster	7.5	13'	Aquarius
M12	Globular Cluster	8.0	14'	Ophiuchus
M13	Globular Cluster	7.0	16'	Hercules
M15	Globular Cluster	7.5	12'	Pegasus
M11	Open Cluster	7.0	14'	Scutum
M39	Open Cluster	5.5	32'	Cygnus
NGC869/884	Double Cluster	5.3	29'	Perseus
M8	Lagoon Nebula	5.0	90'	Sagittarius
M17	Swan Nebula	7.0	46'	Sagittarius
Cr 399	The Coathanger	3.6	90'	Vulpecula





Target List

Intermediate / Advanced

Object	Type	Mag	Size	Constellation
NGC 185	Galaxy	9.2	11'	Cassiopeia
NGC 205	Galaxy	8.0	19.5'	Andromeda
NGC 6229	Globular Cluster	9.4	4.5'	Hercules
NGC 6712	Globular Cluster	8.8	7.2'	Scutum
NGC 6934	Globular Cluster	8.7	5.9	Delphinus
M29	Open Cluster	9.0	7.0'	Cygnus
NGC 6940	Open Cluster	6.3	31'	Vulpecula
NGC 7209	Open Cluster	7.7	25'	Lacerta
NGC 7008	Planetary Nebula	10.7	1.6'	Cygnus
NGC 7009	Planetary Nebula	7.8	0.73'	Aquarius

Web Links

ASTRONOMY MAGAZINE

www.astronomy.com

SKY & TELESCOPE MAGAZINE

WWW.SKYANDTELESCOPE.COM

CATCHING THE LIGHT ASTROPHOTOGRAPHY

www.ASTROPIX.COM

CLOUDY NIGHTS TELESCOPE REVIEWS

WWW.CLOUDYNIGHTS.COM

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