ROYAL ASTRONOMICAL SOCIETY OF CANADA
KW Centre

What's Up?

June 11-July 8, 2022

By: Michael Wright

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What's Up – Solar System

DATE	SOLAR SYSTEM SKY EVENTS
Jun. 14	Full Moon in Sagittarius - Strawberry Moon
Jun. 16	Mercury at Greatest Elongation W in Taurus in morning sky
Jun. 18	Moon passes 4°S of Saturn in morning sky
Jun. 19	Moon passes 2°S of Vesta (nice binocular view in morning sky!)
Jun. 21	Moon at Last Quarter in Pisces, Summer Solstice at 5:14am
Jun. 21	Jupiter 3°N of Moon in morning sky (nice binocular view!)
Jun. 26	Waning Crescent Moon passes 3°N of Venus in morning sky (nice binocular view!)
Jun. 29	New Moon in Gemini
Jul. 04	Earth at aphelion (152 098 455 km from Sun)
Jul. 07	Moon at First Quarter

PLanet Planner

Grey = Close to Sun

Morning Sky		Most of the Night	Evening Sky
Mercury - TAU	Saturn - CAP	Pluto - SGR	Ceres - GEM
Mars – AQR	Neptune - AQR		
Venus - PSC	Vesta – AQR		
Jupiter – PSC	Juno - AQR		

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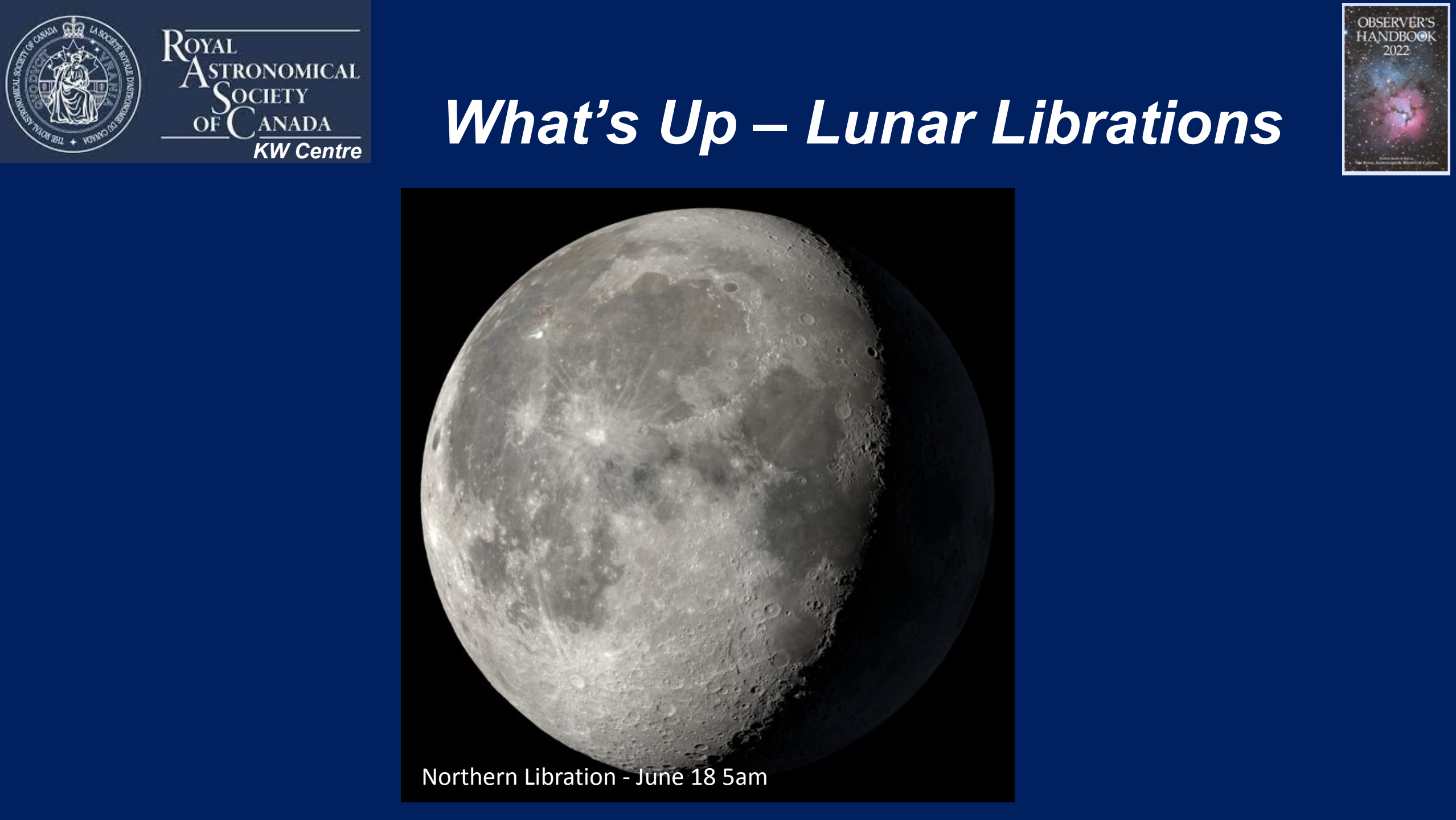
What's Up – Lunar Librations



Northern Libration - June 18 5am

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Nice Sight No. 1

Moon & Vesta In Binoculars

Sun. June 19

5:00 AM

View to SE

Sunrise: 5:41 AM

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Nice Sight No. 2

Moon & Jupiter In Binoculars

Tue. June 21

5:00 AM

View to SE

Sunrise: 5:41 AM

Graphic created with Stellarium

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Nice Sight No. 3

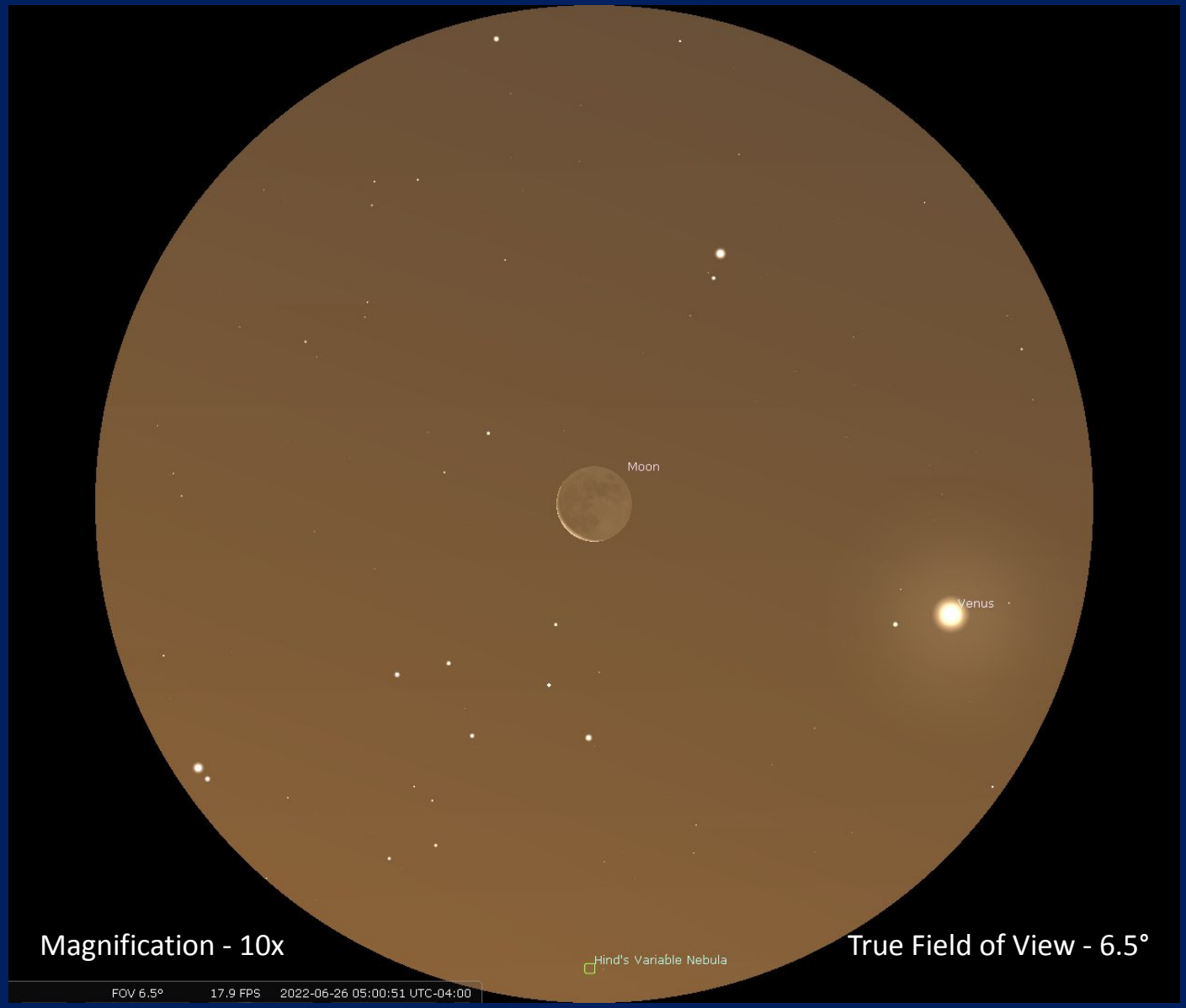
Moon & Venus In Binoculars

Sun. June 26

5:00 AM

View to SE

Sunrise: 5:43 AM



Graphic created with Stellarium

Evening Sky Highlights

10:30pm EDT June 21 2022

Facing South

Evening Sky Highlights

10:30pm EDT June 21 2022

Facing Overhead


Evening Sky Highlights
M101
M102
NGC5907
June Lyrids
Vega
Lyra
Leo
Vulpecula
Draco
C6
NGC6503
Leo Minor
Ursa Major
C3
Ursa Minor
Cygnus
M81
Group
C1
Cepheus
Lynx
Lacerta
Camelopardalis
Cassiopeia
NW
NE
N
10:30pm EDT June 21 2022
Facing North
Earth, Monkton, Ontario, 0 m
FOV 83.7°
17.9 FPS
2022-06-21 22:30:58 UTC-04:00

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June Deep Sky Highlights

Globulars and Galaxies!

* = RASC Finest NGC
** = Deep Sky Challenge

Catalogue #	Type	Cons	Details	Difficulty
NGC5986	gcl	Lup	Bright and beautiful, but very low in southern sky, stubby arms	difficult
NGC5824	gcl	Lup	Small, relatively bright but low in sky, core needs aperture to resolve	difficult
C66/NGC5694	gcl	Hya	Conspicuous round symmetrical haze, well condensed toward centre	moderate
NGC5897**	gcl	Lib	Ghost Globular - cometary at low power, core hourglass shaped	difficult
M5	gcl	Ser	Rose Cluster - Straw interior, blue exterior, wings of stars	easy
NGC5634	gcl	Vir	5’ diameter round, gradually brighter to middle	moderate
NGC5746*	g(SABb)	Vir	Blade & Pearl Galaxy - needle sharp with pearly core, faint dust lane	moderate
NGC5363	g(Peculiar)	Vir	Sharp core with halo that gradually brightens to the middle	moderate
NGC5364	g(SA(rs)bc)	Vir	Amorphous glow, larger than NGC5363 but fainter	difficult
NGC5466*	gcl	Boo	Snow Globe Cluster - cometary, little central concentration, 5 arms	difficult
NGC6210*	pn	Her	Turtle Nebula - stellar at low power, aquamarine sheen, knots, rings	moderate
M13	gcl	Her	Great Hercules Cluster - absolutely brilliant, look for dark ‘y’ shape	easy
M92	gcl	Her	Asymmetrical, with tight core and dark lanes	easy
M102	g(SAO)	Dra	Spindle Galaxy - oval glow with extensions, dust lane at high power	moderate
NGC5907*	g(SA(s)c)	Dra	Knife-Edge Galaxy - edge on long, sharp streak, stellar nucleus	difficult
NGC6503*	g(SAcd)	Dra	Lost in Space Galaxy - central pip in an elliptical mist, faint extensions	moderate
C6/NGC6543*	pn	Dra	Cat’s Eye Nebula - pale green orb, use high magnification	easy
C3/NGC4236	g(SBdm)	Dra	Challenging view! Requires low power, averted vision and dark skies!	difficult
C1/NGC188	ocl	UMi	Polarissima Borealis - 15’ diameter cluster, 6-7 billion years old	moderate

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What's Up? Resources

RASC Observer's Handbook - The Sky By Month

NASA SVS Moon Viewer: https://svs.gsfc.nasa.gov/4955

Stellarium: https://www.stellarium.org

The Sky Live: https://theskylive.com/

Time and Date: https://www.timeanddate.com/

Thank you!