

Mobile Apps & Computer Software

Peterborough Astronomical Association
Novice Astronomy Class #23
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Brett Hardy

Photo Credit:
Rick Stankiewicz

21st Century Amateur Astronomy

- Print resources
- Technology Advances
 - Internet
 - Computerized telescope mounts
 - Computer software
 - CCD & CMOS cameras
 - Smartphones & tablets

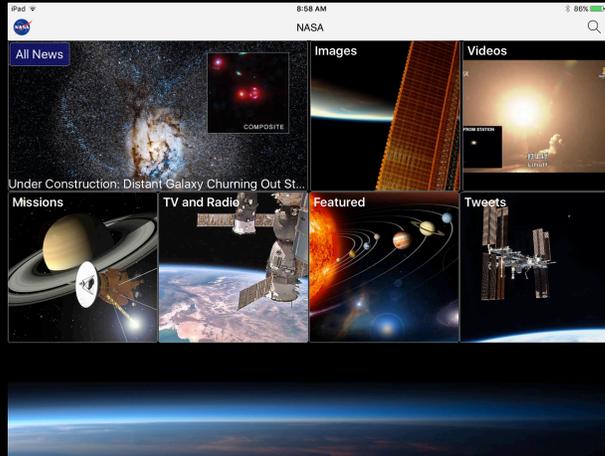


Trevor Jones

Mobile Apps

NASA

- View images, videos, mission info., news
- iOS & Android versions are free



Mobile Apps

Star Walk 2

- Point your phone
- History & mythology of constellations, stars and planets
- Time machine slider
- Night mode
- iOS \$3.99 (Star Walk is free) & Android \$1.99



Mobile Apps

Sky View Lite

- Point your phone
- Simplified sky view
- Bright stars, planets, constellations, satellites and galaxies
- iOS & Android versions are free



Mobile Apps

Star Chart

- Point & view
- Voice control
- iOS & Android versions are free



Mobile Apps

Solar Walk

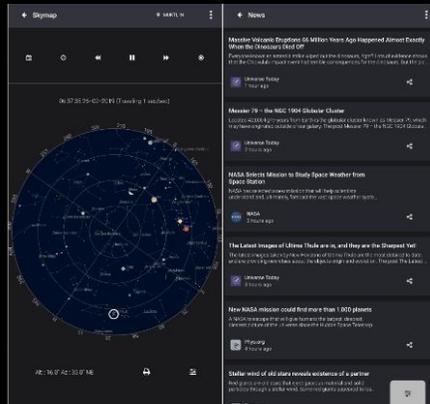
- Video clip descriptions
- Interactive encyclopedia of solar system
- iOS & Android are free

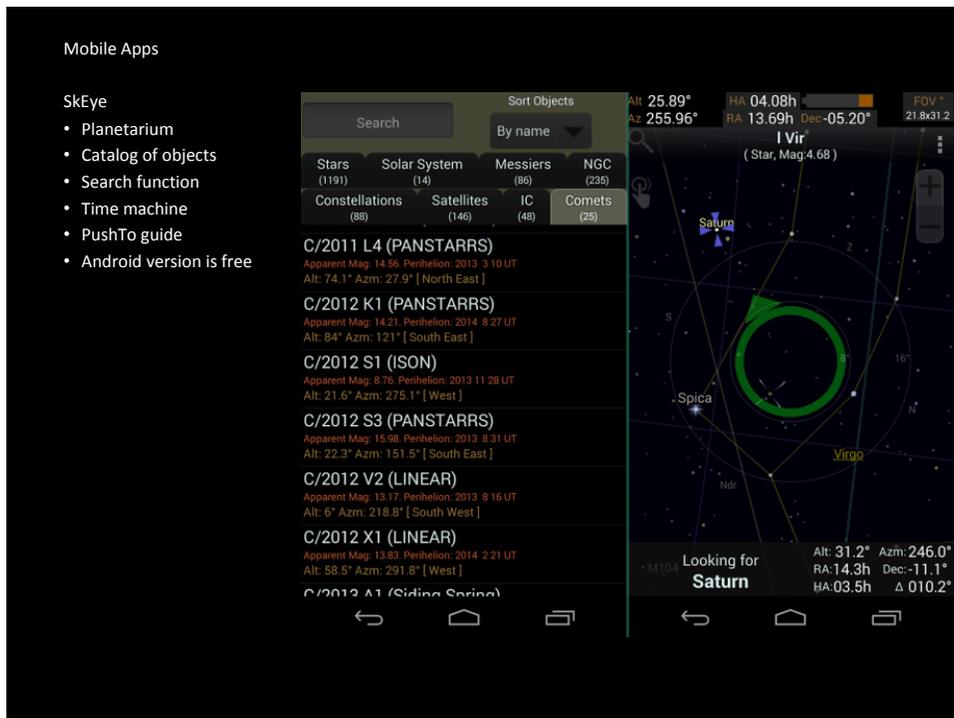
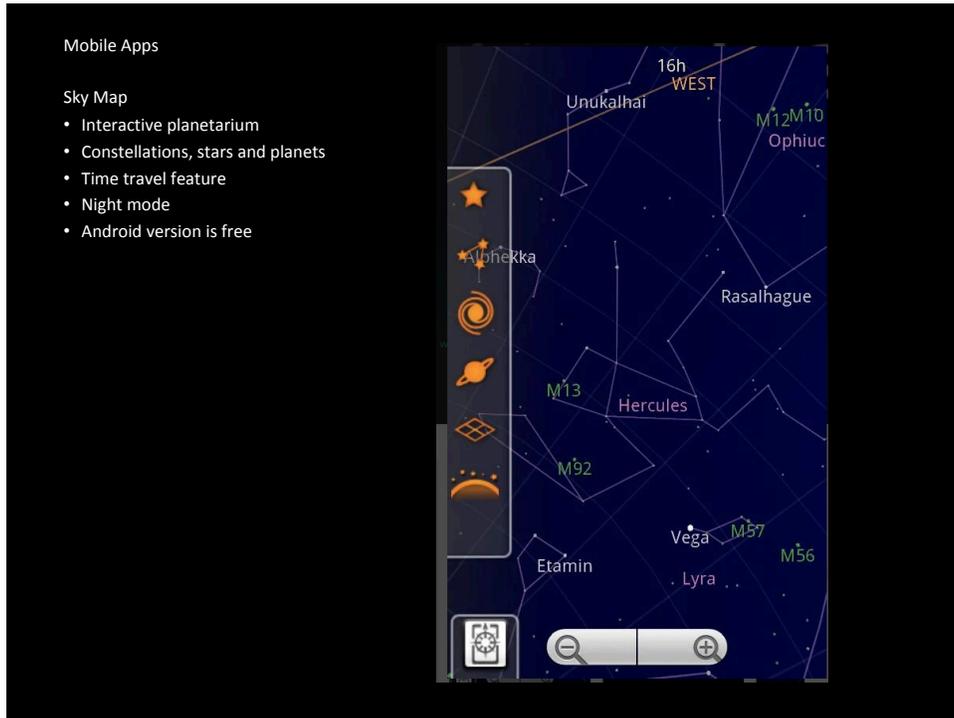


Mobile Apps

Sky Wiki

- Basic sky map
- Latest news
- Built in calendar reminder
- Periscope Mode
- Compass
- Night vision mode
- Android version is free





Mobile Apps

Star & Planet Finder

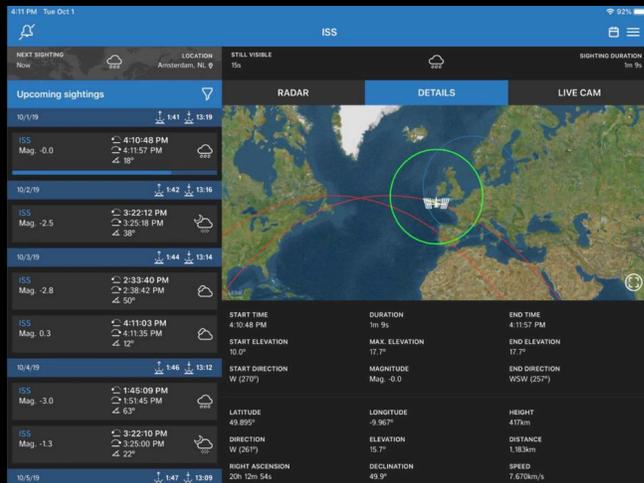
- Search database and app tells you where to look – opposite of point your phone
- iOS version free

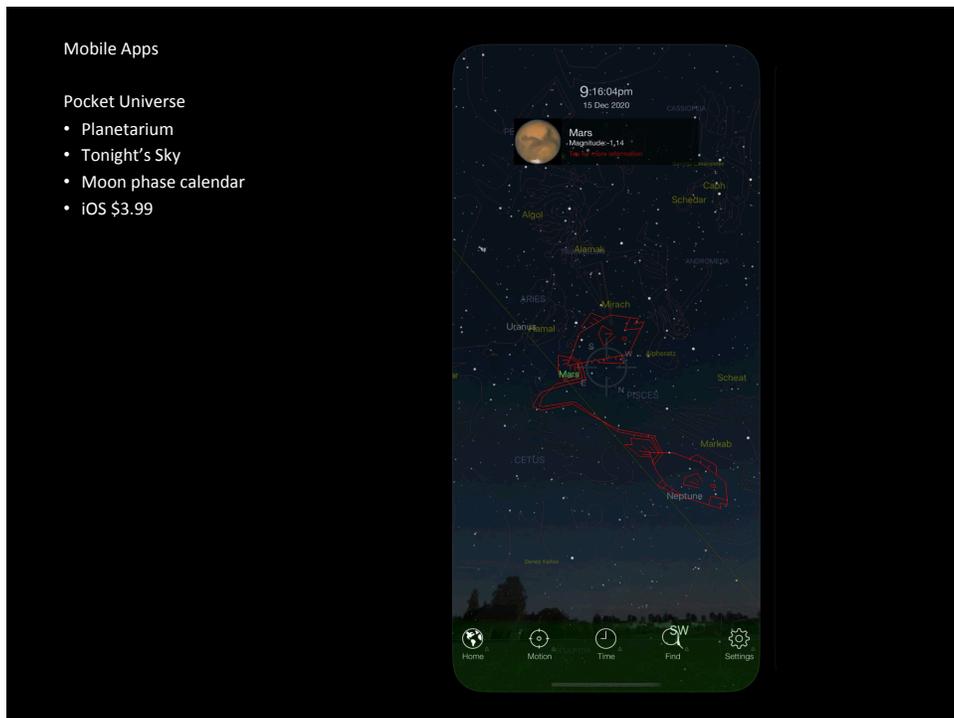
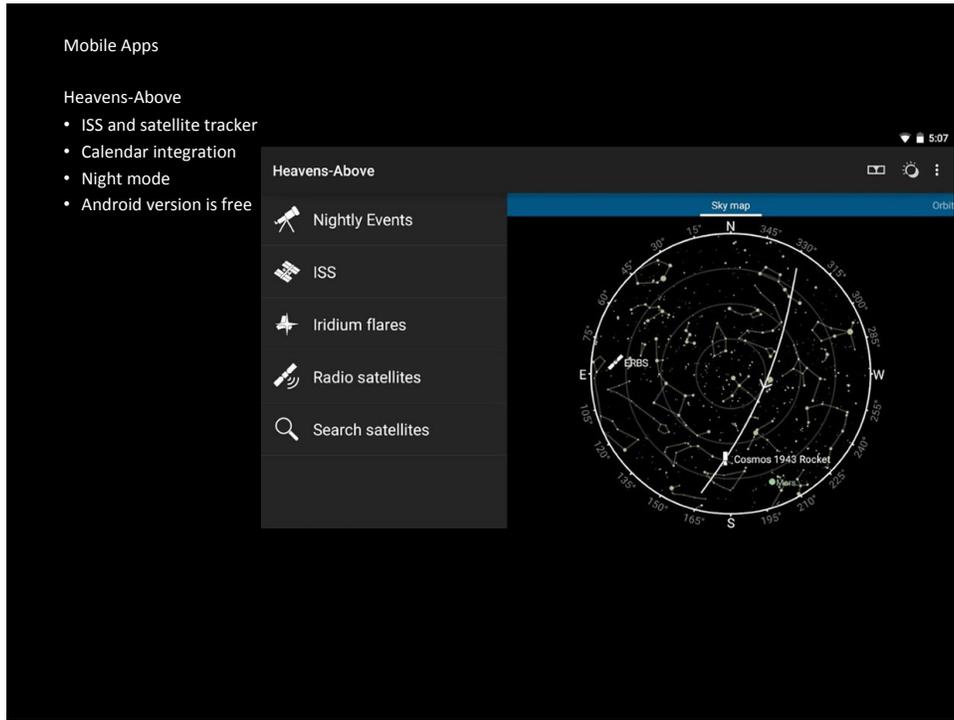


Mobile Apps

ISS Detector

- International Space Station & Tiangong 2 sightings
- Alarm
- iOS & Android





Mobile Apps

Redshift Sky Pro

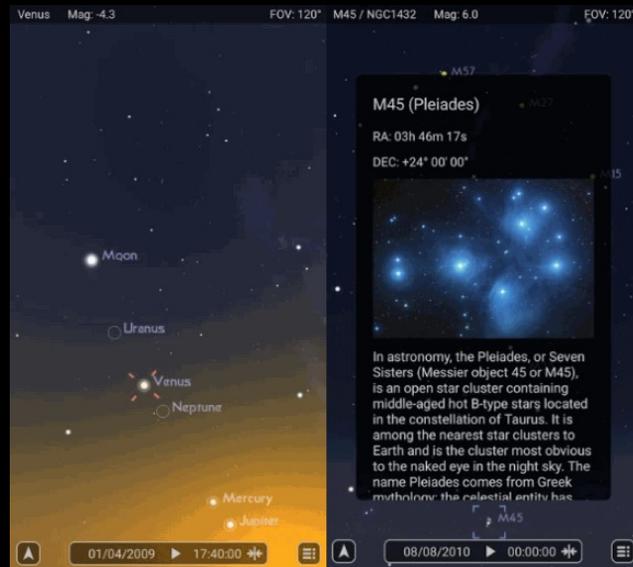
- Planetarium includes 100,000 stars, 10,000 deep sky objects, satellites, comets & asteroids
- Plan observations
- Today's Night Sky
- iOS \$12.99 & Android \$9.99



Mobile Apps

Star Rover

- Point & view
- Fully configurable
- Adjust time feature
- iOS \$0.99 and Android \$1.99



Mobile Apps

GoSkyWatch Planetarium

- Sky map
- Search arrow
- Time lapse animations
- Night mode
- iOS version \$3.99

Name	Distance	Magnitude
M6 Butterfly Cluster	4.2	>
M7 Ptolemy Cluster	3.3	>
M8 Lagoon Nebula	6.0	>
M9 Globular Cluster	8.4	>
M10 Globular Cluster	6.4	>
M11 Wild Duck Cluster	6.3	>
M12 Globular Cluster	7.7	>
M13 Hercules Cluster	5.8	>
M14 Globular Cluster	8.3	>
M15 Pegasus Cluster	6.2	>
M16 Eagle Nebula	6.0	>
M17 Omega Nebula	6.0	>
M18 Open Cluster	7.6	>

Mobile Apps

Night Sky

- Realistic sky map
- Apple Watch compatible
- iOS version is free

Mobile Apps

The Moon Phases Calendar

- Current Moon phase and data
- Calendar depicting phases
- iOS and Android versions are free

NASA Moon Phase & Libration

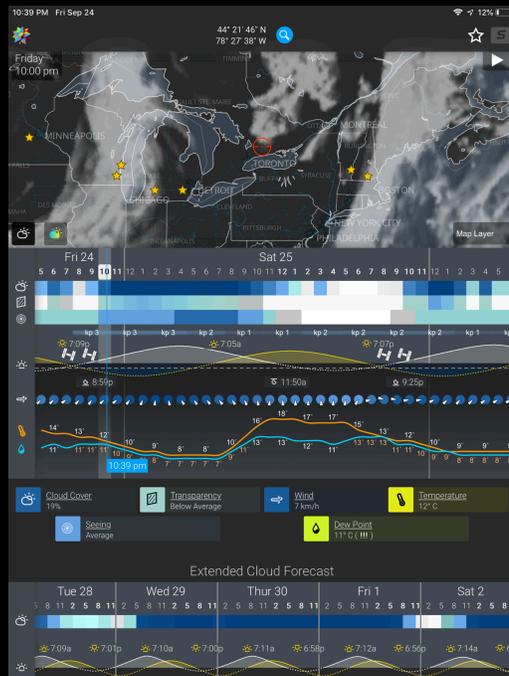
- <https://svs.gsfc.nasa.gov/5187/>



Weather Apps

Astrospheric

- Astronomy weather forecasting
- detailed weather information
- iOS and Android versions are free



Weather Apps

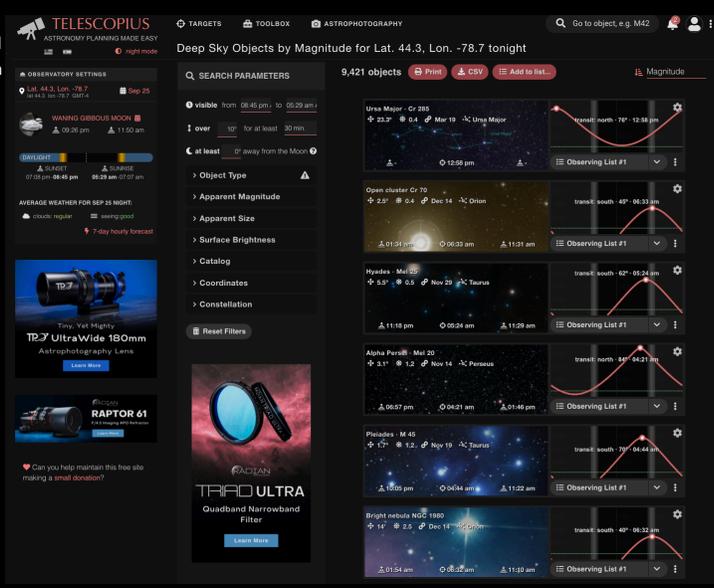
Good to Stargaze

- Astronomy weather forecasting
- Customize permissible viewing conditions
- 24 hour prediction
- iOS & Android versions are free
- Subscription optional



Online Planning

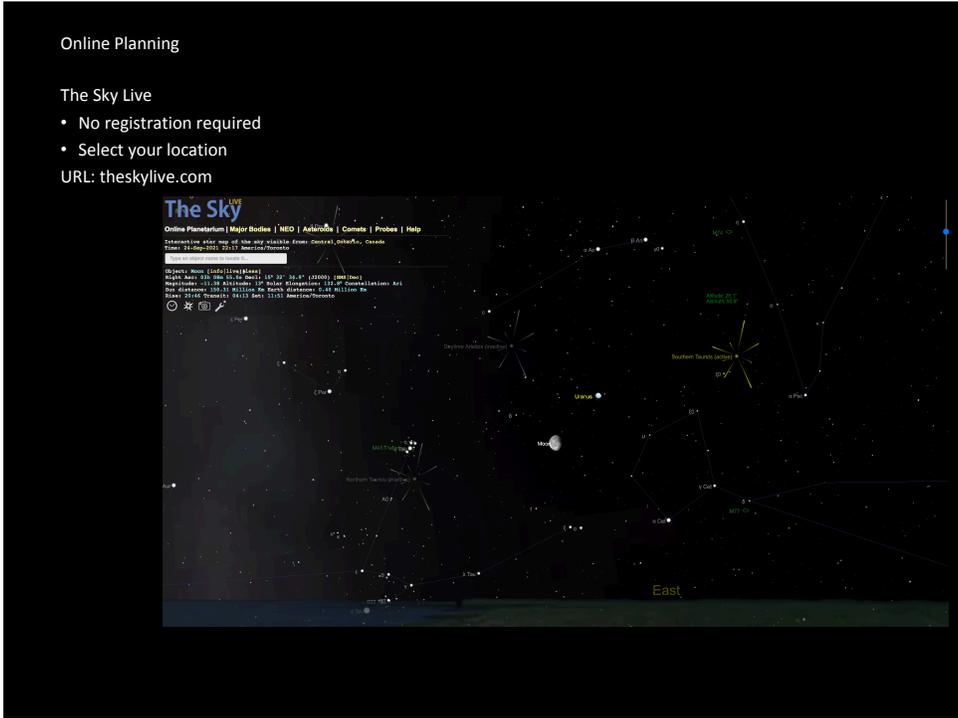
- Registration required
- URL: telescopius.com



Online Planning

The Sky Live

- No registration required
 - Select your location
- URL: theskylive.com



Computer Software

- Stellarium
 - stellarium.org
- Cartes de Ciel
 - <https://www.ap-i.net/skychart/en/start>
- Virtual Moon Atlas
 - <https://ap-i.net/avl/en/download>

