

Mobile Apps & Computer Software

Peterborough Astronomical Association

Novice Astronomy Class #23

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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

Stellarium Mobile Sky Map

- Planetarium
- Identify objects by pointing your phone
- iOS & Android version is free

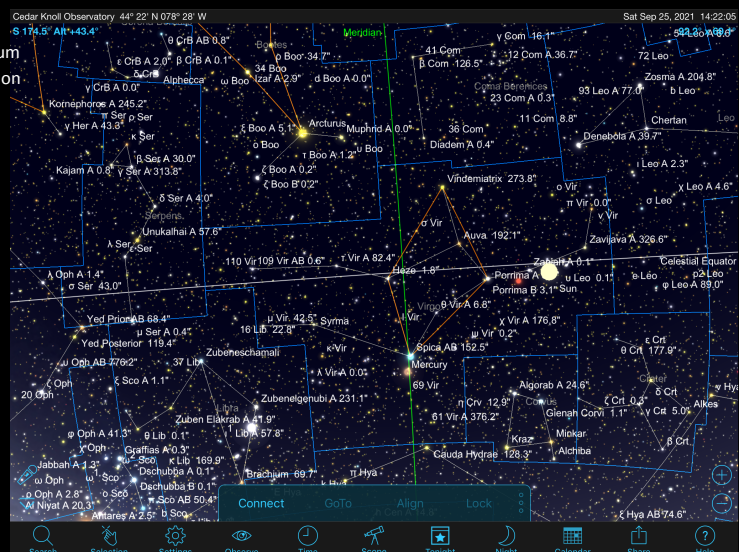
Point your phone to spot planets



Mobile Apps

SkySafari 7 Plus

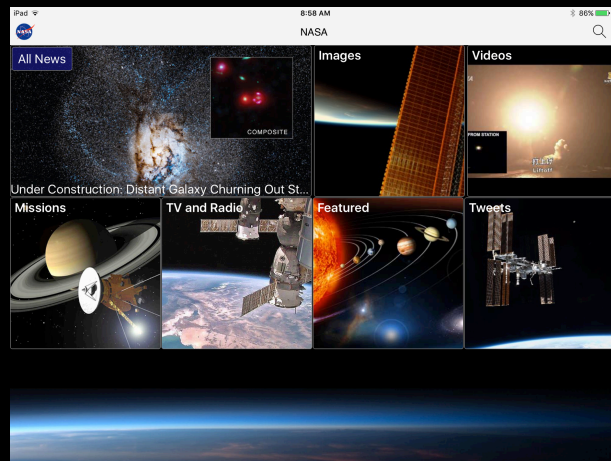
- Powerful planetarium
- Extensive information and database
- Night mode
- iOS & Android version is \$17.99



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

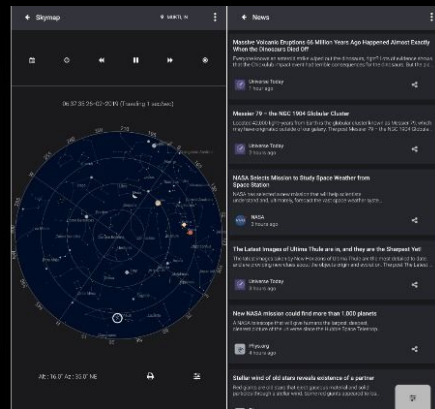
- Video clip descriptions
- Interactive encyclopedia of solar system
- iOS & Android are free



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

Sky Map

- Interactive planetarium
- Constellations, stars and planets
- Time travel feature
- Night mode
- Android version is free



Mobile Apps

SkEye

- Planetarium
- Catalog of objects
- Search function
- Time machine
- PushTo guide
- Android version is free



Mobile Apps

Star & Planet Finder

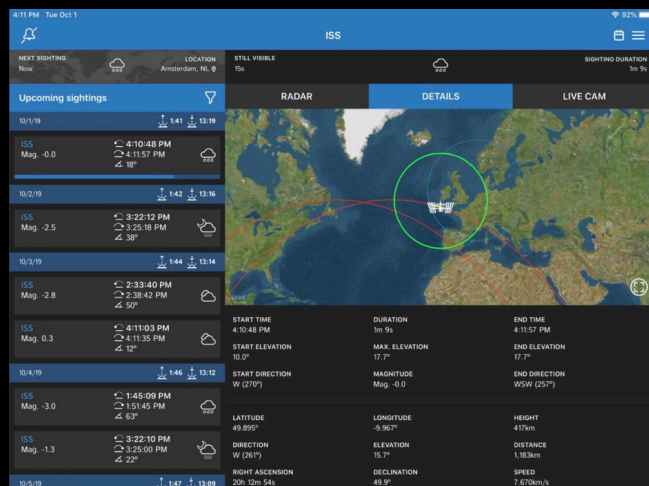
- Search database and app tells you where to look – opposite of point your phone
- iOS version free



Mobile Apps

ISS Detector

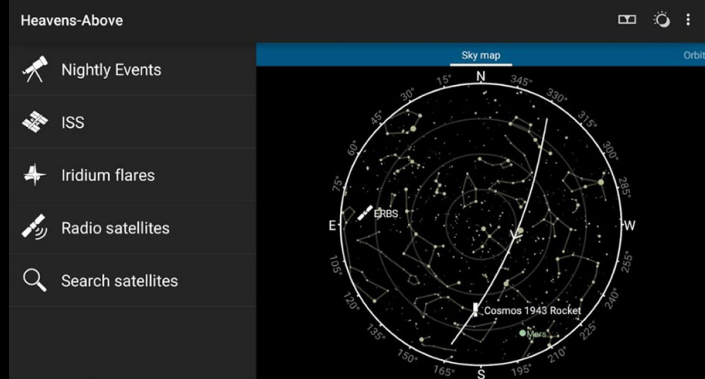
- International Space Station & Tiangong 2 sightings
- Alarm
- iOS & Android



Mobile Apps

Heavens-Above

- ISS and satellite tracker
- Calendar integration
- Night mode
- Android version is free



Mobile Apps

Pocket Universe

- Planetarium
- Tonight's Sky
- Moon phase calendar
- iOS \$3.99



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



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

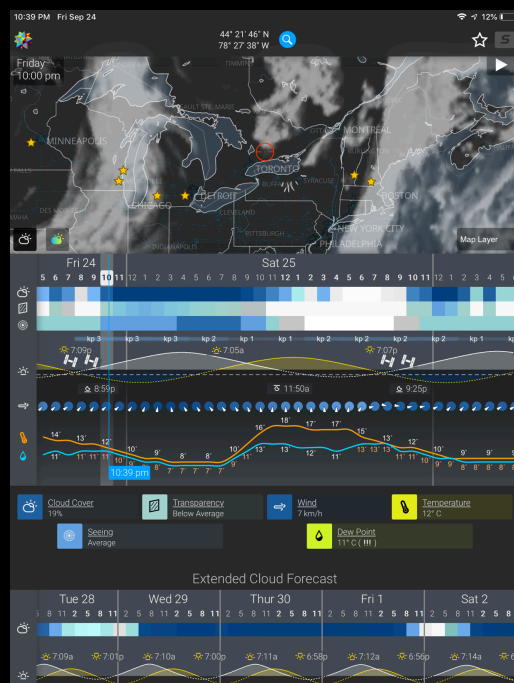
- <https://svs.gsfc.nasa.gov/5187/>



Weather Apps

Astrospheric

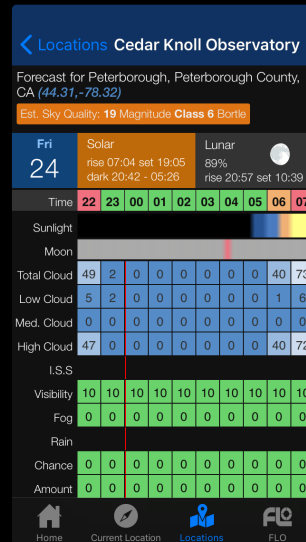
- Astronomy weather forecasting
- detailed weather information
- iOS and Android versions are free



Weather Apps

Clear Outside

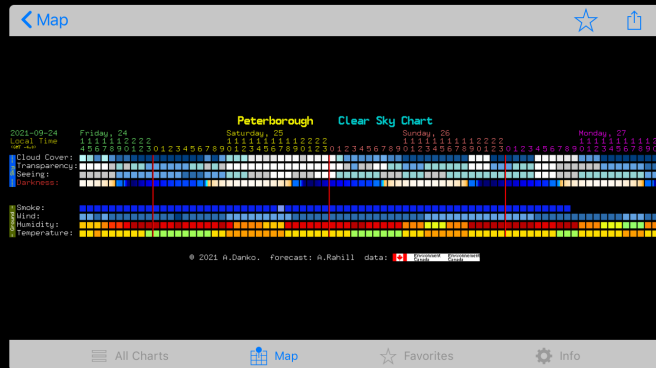
- Astronomy weather forecasting
- Establish location
- iOS and Android versions are free



Weather Apps

Clear Sky Chart

- Astronomy weather forecasting
- Select location
- Create favourites



Weather Apps

Good to Stargaze

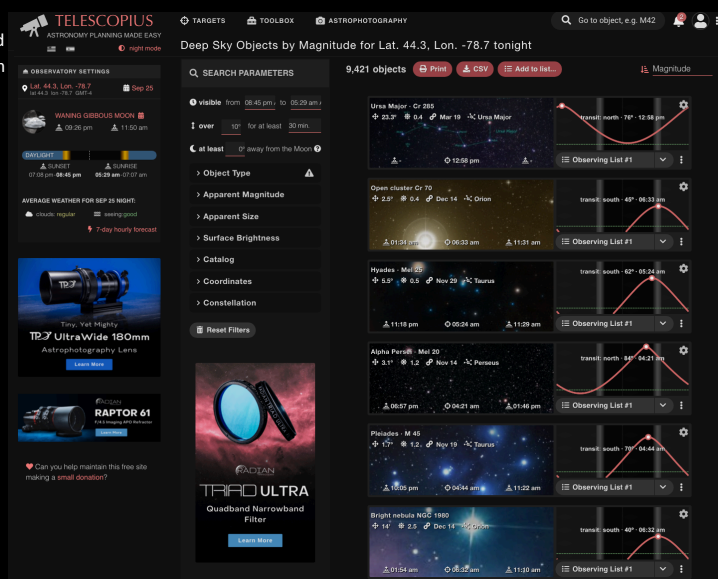
- Astronomy weather forecasting
- Customize permissible viewing conditions
- 24 hour prediction
- iOS & Android versions are free
- Subscription optional



Online Planning

Telescopius

- 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>

