**Space Science and Good Astronomy Apps** by John Ensworth

**Planetarium Programs:**

*Sky Safari Pro* – full planetarium program $40 (watch for specials)
 (also version 3 $2.99 and version 3 plus $15)

*Go Sky Watch*– full planetarium program $4

*StarmapPro*– full planetarium program $17

 (also version Starmap $5 Starmap Lite FREE Starmap HD iPad $17)
*SkyView* – (AR) full planetarium program $1.99 (and FREE version)

*Star Walk* – (with space music) $2.99

*Pocket Universe* (puniverse) – full planetarium software $1.99

*SkyORB* – FREE and $2.99 for pro in-app purchase.

*Worlds Apart* – Solar system emphasis $1.99

*Distant Suns* – full planetarium program FREE and $10 full version

*Star Charts* – (Wil Tirion maps) $1.99

*Stellarium* – full planetarium program FREE

**Observing Aids:**

*DS Browser* – $10.49

*Messier List* – FREE

*NGC List* - FREE

*Planets* – FREE

*Meteor Counter* – FREE (And Observer Pro above)

*Jupiter Guide* – FREE

*Quick Sky (Jupiter and Saturn, planet rise/set times) -* FREE

**Weather Forecasting for Astronomy**

*Scope Nights* – $1.99

*myCSC* – Clear Sky Clock – FREE

*Observer Pro*– planning program $9.99

*Cleardarksky.com* (add to home screen)

*UCAR cloud forecast loops* [*http://weather.rap.ucar.edu/model/*](http://weather.rap.ucar.edu/model/) *(add maps to home screen)*

  **Special Information:**

*SkyWeek* – (by Sky & Telescope) FREE Sky Week Plus $2.99 Jupiter Moons by S&T $2.99

*SkyTime* – FREE

*AstroClock* – FREE

*Astrolabe Clock* – FREE

*Satellite Flyby* – $2.99
*Satellite Tracker* FREE – Satellite Tracker plus $1.99

*Sputnik!* – FREE
*Darkness* – ephemeris $1.99

*iEphermeris* – $1.99

*Exoplanet* –FREE and *Kepler* - $2.99

*MeteorGuide* – $0.99

*Eclipses* – *FREE*

*Collider* – (Galaxy Collier) $0.99

[*Spaceweather.com*](http://www.spaceweather.com)  (add to home screen) FREE

*MoonGlobe HD* – *$0.99 and Mars Globe HD* – *$0.99*

*Moon - FREE Moon + $1.99*

**NASA Astronomy Apps:**

NASA AppsNASA SMD App - FREE
NASA Television App - FREE

NASA Now – News App - FREE

3D Sun – NASA’s Heliophysics Division - FREE

SOHO Viewer (formerly Sun Viewer) – FREE

NASA SWx - FREE

Hubble Site – FREE

Exoplanet - FREE and Kepler - $2.99

Astronomy Picture of the Day – APOD – FREE

**NASA Earth Science and Good Environmental Apps**

NASA SMD App - FREE
 NASA Television App - FREE
 NASA Now – News App - FREE
 Earth Envi - Earth Remote Images $1.99

Google Earth FREE

USGS Seismic FREE

iSeismometer FREE

Mappity Quakes $0.99 (and FREE lite version)

Quakes by TAWCS FREE

**Websites:** Weatherunderground Mobile, NWS Maps, UCAR

AccuWeather - forecasts FREE and $0.99 version

TWCMax - forecasts $3.99 and FREE version

WeatherBug Elite- forecasts and Webcams - $0.99 and FREE

WxAlertUSA – forecasts $9.99

Drought/Fire - hydrologic data $0.99

iMapWeatherRadio – audio forecasts and alterts $9.99

MyRadar - regional radar FREE and $1.99

RadarScope - high resolution local radar $9.99

CloudMap - local satellite images FREE

wxPlanet now Earth Buzz - planetary satellite images FREE and $3.99

Skeptical Science – answers on global climate change FREE