



\$49.99 Buy App

Category: Navigation  
Updated: Oct 21, 2010  
Current Version: 1.15  
1.15  
Size: 1.6 MB  
Language: English  
Seller: Luis Soltero  
© Copyright StarPilot, LLC, all rights reserved

Rated 4+

**Requirements:** Compatible with iPhone, iPod touch, and iPad.  
Requires iOS 3.1.3 or later

More iPhone Apps by StarPilot, LLC



## StarPilot

### Description

The state-of-the-art solution to navigation computations on your iPhone or iPod touch.

StarPilot does celestial sight reductions of all bodies using high-precision internal almanac, plus mathematical and graphic solutions for position fixes, great circle, rhumb line, traverse and composite sailings, all current problems, piloting solutions, and much more...including lunar distance method of finding GMT from the sky and a unique graphical Sight Planner, and the new Sight Analyzer function that helps you get the most accurate results from a series of sights.

The StarPilot is the self sufficient state of the art solution to ocean navigation, fully up-gradeable with free upgrades available via Internet download, easy to use operation from logical menu lists, plus illustrated context sensitive help with practice exercises. The StarPilot requires no external resources to complete its computations. Internet access is not required to use this program or to access any of its help files.

General program design features... that save time, keystrokes, and minimize errors

- Easy to use menu-driven interface
- Stored settings of commonly used values
- All bodies and star names stored internally, no need for separate lists
- DR functions integrated with the celestial functions
- Convenient DR updating by log or time
- Input courses as true or magnetic
- Convenient time input, with or without zone description and watch error
- Graphing calculator plots LOPS, Fixes, DR positions, and Star maps
- Program can be easily updated to incorporate latest version and features
- Custom menu bar for quick navigation to often-used functions

Sight Planning

- Sunrise, Sunset, times and bearings (amplitudes)
- LAN, time, Equation of time, Hs max at LAN1
- Nautical and Civil twilight times, and LHA Aries at midpoint between them
- Moonrise, Moonset, Moon phase, and Moon age
- Precompute specific values of Hc and Zn for any body
- Planet and Star ID by observed height and bearing
- SIGHT PLANNER function plots full sky showing moon, stars, and planets in Radar-like display of heights and bearings. Set Hc min/max and max number of stars before computation. Set cursor and click to read the actual height and bearing of a plotted body.
- Special fast almanac mode allows full sky plot
- Display internal list of 173 stars by name, brightness, and location
- Unique BEST SIGHTS function selects the optimum triads of sights for any sky

Sight Reduction

- Optional modes for sequential sights using repeated settings or unrelated individual sights
- Perpetual almanac accurate to 2100+
- Historically accurate almanac data to 16th century
- Sight reduction of Sun, Moon, Mars, Venus, Jupiter, Saturn... plus Mercury!
- Sight Reduction of 173 stars plus Polaris
- "Assumed positions" read directly from DR section without extra input
- View intercepts (a-values) with or without course and speed corrections
- Full input data displayed with results to check for errors
- Special center-body mode for artificial horizon data
- Dip-short mode for practice at shorelines

Celestial Fixes

- Unique SIGHT ANALYZER fits a sequence of sights to the right slope for optimum sight selection
- All fixes corrected automatically for course and speed as needed
- Fix accuracy independent of DR accuracy in all cases
- Plots LOPS with live cursor position display
- Fix computed by USNO algorithm in the Nautical Almanac
- Zoom in on plot to see where computed fix is located
- Fix can be obtained by graphic selection from the LOP plot
- Automatic display of DR-to-Fix range and bearing
- Optional automatic update of DR after fix
- Display new course and distance to stored destination



**\$24.99 Buy App** ▼

+ This app is designed for both iPhone and iPad

Category: Navigation  
Updated: Oct 18, 2010  
Current Version: 1.0.2  
1.0.2  
Size: 12.5 MB  
Language: English  
Seller: Navimatics Corporation  
© 2010 Navimatics Corporation

Rated 4+

**Requirements:** Compatible with iPhone, iPod touch, and iPad. Requires iOS 3.0 or later

## Celestial by Navimatics

### Description

Celestial is a complete package for celestial navigation on your iPad, iPhone or iPod Touch. It can perform celestial sight reductions, calculate fixes, present them visually, manage sights on multiple trips and assist in sight planning. It also includes a complete Almanac of the Sun, Moon, planets and stars. All this for the price of the Nautical Almanac for a single year!

In detail:

- Supports quick sight reduction. Enter all sight values to quickly calculate an intercept or to double-check your own manual sight reduction.
- Includes a comprehensive trip manager that allows you to manage sights taken during a trip. Keep your sights with you forever!
- Multiple sights can be grouped and averaged together and a fix can be calculated. Lines of Position (LOP's) and fixes can be plotted on a virtual plotting sheet.
- Running fixes are supported!
- Includes a star finder and times of rise/set phenomena. Plan your sights and be on deck when it is time.
- Includes the complete Almanac of the Sun, Moon, planets, 57 navigational stars, Aries and Polaris for the years 1980-2099.
- Context-sensitive screen help for every screen so you always know what the intended function of the software is.

All sight reduction algorithms are based on the algorithms described in the Nautical Almanac (Sight Reduction Procedures). Celestial object positions are predicted using software from the US Naval Observatory.

Visit <http://navimatics.com> or search for "navimatics" in the AppStore for additional navigation products.

[Navimatics Corporation Web Site >](#)   [Celestial by Navimatics Support >](#)

### What's New in Version 1.0.2

- Added "Now" button on all date/time entry screens.
- Some minor cosmetic changes.
- Fixed a problem caused by low memory conditions.



**\$5.99 Buy App** ▼

Category: Navigation  
Released: Nov 30, 2010  
Version: 1.1  
1.1 (iOS 4.0 Tested)  
Size: 0.2 MB  
Language: English  
Seller: Robert Rose  
© Robert Rose

Rated 4+

## Ocean Navigator

### Description

Ocean Navigator is an aid to navigation for the modern navigator, it includes a simple sight reduction program for sun sights, plus Great Circle and Rumb Line calculator to find the course to steer and distance by entering a start lat and long and a destination lat and long. See the screen shots below for examples of the running program.

It is composed of five separate elements.

- Sun Sight Reduction
- Great Circle calculation
- Rumb Line calculation
- Average Speed
- Course made good

The Sun Sight Reduction program is designed for navigators who need a backup to their GPS system or for those doing their RYA Ocean Practical to check their workings. No books or tables need be carried. The program will produce an accurate position line for any date between the years 1900 and 2100. There is no need with this program to choose a position (CP) so that the DR position can be used.

[Ocean Navigator Support >](#)