



Tides Planner User Manual

TUCABO

www.tucabo.com

support@tucabo.com



Tides Planner is the iPhone app for tide information worldwide. Tides Planner works without online connection, using a database of locations and harmonic constants from world hydrographic offices. The key user functions are selection of locations, viewing of tide predictions, viewing currents (where available) and use of a notepad and email:

- **Locations:** select a location from the globe view or the text list. A location can also be placed in **Favourites**.
- **Tides:** view of tide predictions in **graph** or **table** form. The graph has indicators which can be moved to check tide at any time in the day, scales that can be changed to change the day or the depth (relative to chart depth). Panels show information for sunrise/sunset, dawn/dusk, moon rise/set, day of neaps/springs tides. A horizontal gauge can be used to check minimum depth and the graph fills with red for times when it is below. Tide data can be copied/pasted into any other iPhone app or into the Tides Planner Notepad.
- **Favourites:** these can be accessed from the front main menu or from the tides and currents panels. The main menu Favourites Panel provides quick access to today's tides for those locations and then the Tides Panel.
- **Currents:** for certain parts of the world tidal stream information is available. The currents are based on the IHO standard, hourly referenced to a defined port. The user may change date and add/subtract one hour to the prediction time.
- **Notepad:** tide or current data can be pasted into the Notepad from the tides or currents panel. All the data or a selected row from the Notepad can be emailed from within Tides Planner.
- **Preferences:** change settings for depth, length, distance, speed and time.
- **App options:** licence extensions.

Dates & licensing



Tides Planner is subject to licensing rules from the Hydrographic offices. Depending on the country tide predictions can be made seven days at a time or for any day in the future. In addition there is a time limit based on years also due to licensing rules. In Tides Planner 10 and Tides Planner 11, the licence for UKHO ports can be extended within the app using an 'In App purchase' (iTunes name) from seven days to any day in the years covered.

Tides Planner 11 : tides 2011 and 2012

Tides Planner 10 : tides 2010 and 2011

- UK, Ireland, Germany and UKHO copyright ports: seven days at a time. To extend the licence to any day select Tools>App Options.
- Holland: seven days a time. To extend the licence to any day select Tools>App Options.
- Denmark, Spain, Portugal, Belgium, South Africa, Oman, Argentina: seven days at a time.
- France, Italy, USA, Canada, Chile, Ecuador, Australia, New Zealand, Japan: any day in the year.

Tides Planner Plus (2009 version) - hydrographic licence expires 31 Dec 2010 - app removed from App Store Jan 2011

- Covers 2009. To extend to 2010 select Tools>App options.
- Denmark, Spain, Portugal, Belgium, South Africa, Oman, Argentina: seven days at a time.
- UK, Ireland, Germany, Holland, France, Italy, USA, Canada, Chile, Ecuador, Australia, New Zealand, Japan and UKHO copyright ports: any day in the year.

Day Tides

- Ongoing coverage.
- All ports one day at a time.

Locations



The screenshot shows the Tides Planner app interface. At the top, the status bar displays 'Carrier', signal strength, Wi-Fi, and the time '09:33'. The main header shows 'CHERBOURG' with a star icon for favorites. Below this is a shaded panel for 'SOUTHAMPTON' with coordinates '50°54'.0N 1°24'.0W TZ0.0 -0.1 LAT 5.0 HAT' and tide information '1.8 MLWN 3.7 MHWN 0.5 MLWS 4.5 MHWS'. The map shows the English Channel with a selected location marked by a red dot and a white circle. The bottom panel shows a cursor with coordinates '50°53'.9N 1°24'.3W', a scale of '1:3979K', and a distance of '75.4NM'. The bottom navigation bar includes icons for home, book, star, select, search, and list view.

Selected location (points to the star icon in the header)

Current location Information (points to the shaded panel for Southampton)

Current location (select button will 'select') (points to the red dot on the map)

Move to selected location (points to the white circle around the red dot)

Switch between -> indicator mode (move indicator to find locations) -> map mode (drag globe to find locations) (points to the globe icon in the bottom bar)

Cursor coordinates (points to the coordinates '50°53'.9N 1°24'.3W')

Map scale (points to the scale '1:3979K')

Add location to favourites (points to the star icon in the bottom bar)

Select location to display in Tides panel (points to the 'Select' button in the bottom bar)

Zoom +/- Pinch or double tap on map (points to the zoom in/out buttons in the bottom bar)

Distance from - selected location to current location - cursor to current location (if none selected) (points to the distance '75.4NM')

Switch to list view (points to the list view icon in the bottom bar)

Zoom to maximum or back to current zoom (points to the zoom in/out buttons in the bottom bar)

Access to favourites (points to the star icon in the header)

Locations can be found using the spherical globe. The top shaded panel shows a location (if one is near the viewpoint) with its coordinates and average tide information if it is a standard port. The bottom shaded panel displays the current viewpoint coordinates, scale and distance.

Locations



Selected location

List of locations

Tap name to select

Alphabetical index

Arrange list by region-country or alphabetically

Add location to favourites

Select location to display in Tides panel

Locations can be found using the list view. Find a location by scrolling and select by tapping a name. Once a location is selected it can be added to Favourites. The selected location is centered in the globe if you switch back to that view.

Locations are arranged alphabetically or by region/country.

Use search to part-type a name.

Switch to globe view

Search mode



Tides - iPad



Selected location (BREST)

Reset to current time (Clock icon)

Coefficient (France only) (Coef 65, 61)

Single/dual indicators (Vertical line on graph)

Depth indicator
 Red = actual depth
 Blue = tidal height
 Actual depth = Chart depth + tidal height

Today's peaks

▼ 03:05 2.1m	Dec 28	03:00 28 Dec 2010 2.1m 0.0m/h	22:00 28 Dec 2010 5.9m -0.1m/h
▲ 09:10 6.2m	08:40 6.2m	GMT	
▲ 15:40 2.2m			
▲ 21:45 5.9m			

Copy to Notepad/System (Copy icon)

Recently viewed locations (Home icon)

Change date (Calendar icon)

Favourites (Star icon)

Unlock time scale - drag scale or graph background to move in time (Lock icon)

Tide height scale (Vertical axis)

Drag to change chart depth (Horizontal red gauge)

Double click to reset to zero (Zero mark on gauge)

Chart depth (0.0)

Clock (Clock icon)

Time/depth at indicators (Time and depth values)

Sun, moon rise/set (tap sun for dawn/dusk) (Sun and Moon icons)

Neaps/springs (Springs Dec 23 -5 days, Neaps Dec 30 +2 days)

Switch to tide table view (List icon)

The Tides panel shows a graph with heights for each time. Drag the single indicator to see height for any time. Drag the vertical scale to change chart depth. Press unlock and drag the horizontal scale or graph background to move back/forth in time.

Recall favourite or recent locations to see their tides. View tides in table format with sun/moon information. Check minimum depth with the horizontal red gauge. Copy tides to Notepad or system.

Tides - iPhone



Carrier 08:39

BREST Favourites

Reset to current time

Coef 65, 61

Coefficient (France only)

Single/dual indicators

Depth indicator
Red = actual depth
Blue = tidal height
Actual depth = Chart depth + tidal height

Today's peaks

Copy to Notepad/System

Recently viewed locations

Change date

Additional tide panels

Favourites

Unlock time scale - drag scale or graph background to move in time

Tide height scale

Drag to change chart depth

Double click to reset to zero

Chart depth

Time/depth at single indicator

Switch to tide table view

The Tides panel shows a graph with heights for each time. Drag the single indicator to see height for any time. Drag the vertical scale to change chart depth. Press unlock and drag the horizontal scale or graph background to move back/forth in time.

Recall favourite or recent locations to see their tides. View tides in table format with sun/moon information.

Check minimum depth with the horizontal red gauge.

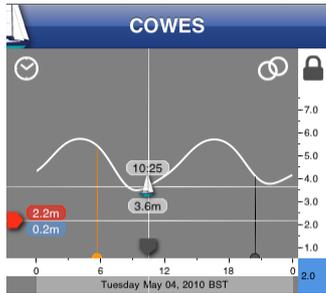
Copy tides to Notepad or system.

 ▲00:18 ▼11:22	Dec 28 Springs Dec 23 -5 days Neaps Dec 30 +2 days	 ▲08:06 ▼16:06
50°46'0N 1°18'0W TZ0.0 0.1 LAT 4.6 HAT 1.8 MLWN 3.5 MHWN 0.8 MLWS 4.2 MHS		
03:00 28 Dec 2010 2.1m 0.0m/h	22:00 28 Dec 2010 5.9m -0.1m/h	 AM GMT
CD: 0.0m Minimum depth: 2.8m Actual depth: 6.1m		

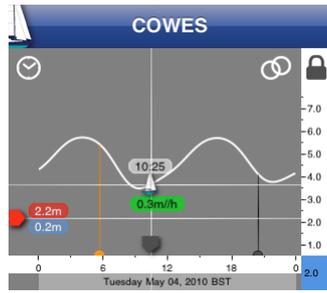
Tides



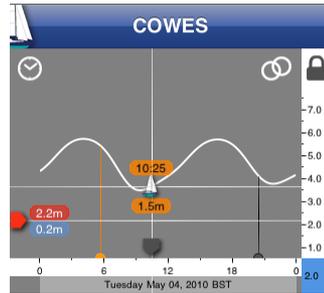
Tap on graph background to change between modes



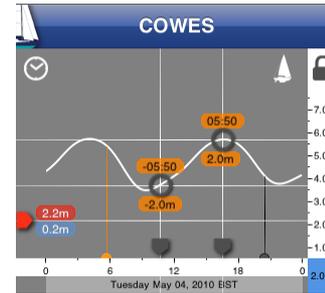
Indicator
time-actual height



Indicator
height rate of change



Indicator
height difference to
depth indicator
(red gauge)



Indicators
time-height
differences between
indicators

Indicators show several sets of information. Tap the graph to change:

- time/actual height
- time/rate of height change
- time/height difference to red gauge for single indicator
- time difference/height difference to other indicator with dual indicators.

Additional Tides panels give extra information for the location. Sunrise/sunset, moon rise/set, day of neaps/springs tides, reference information if a standard port, depth/time for the indicators, clock with time at single indicator and markers for the dual indicators.

Moon rise/set

	<p>Dec 28 ▲00:18 ▼11:22</p>	<p>Dec 28 Springs Dec 23 -5 days Neaps Dec 30 +2 days</p>	<p></p>	<p>▲08:06 ▼16:06</p>
<p>50°46'.0N 1°18'.0W TZ0.0 0.1 LAT 4.6 HAT 1.8 MLWN 3.5 MHWN 0.8 MLWS 4.2 MHWS</p>				

Days of springs
and neaps

Sunrise/sunset
(tap sun to see
dawn/dusk)

Standard port
information

Indicator data

Chart depth

Minimum depth (red
gauge in graph)

<p>03:00 28 Dec 2010 2.1m 0.0m/h</p>	<p>22:00 28 Dec 2010 5.9m -0.1m/h</p>	
<p>CD: 0.0m Minimum depth: 2.8m Actual depth: 6.1m</p>		

Time at single indicator

Time markers for dual
indicators (green am, red
pm)

Tides



Selected location: **CHERBOURG**

Favourites: [Star icon]

Moon phase: [Crescent moon icon]

Tide peaks for the day

Coefficients in brackets (France)

Neaps (blue)
Springs (red)

Copy to Notepad/System

Recently viewed locations

Change date

Sunrise/sunset (tap sun to see dawn/dusk)

Switch to tide graph view

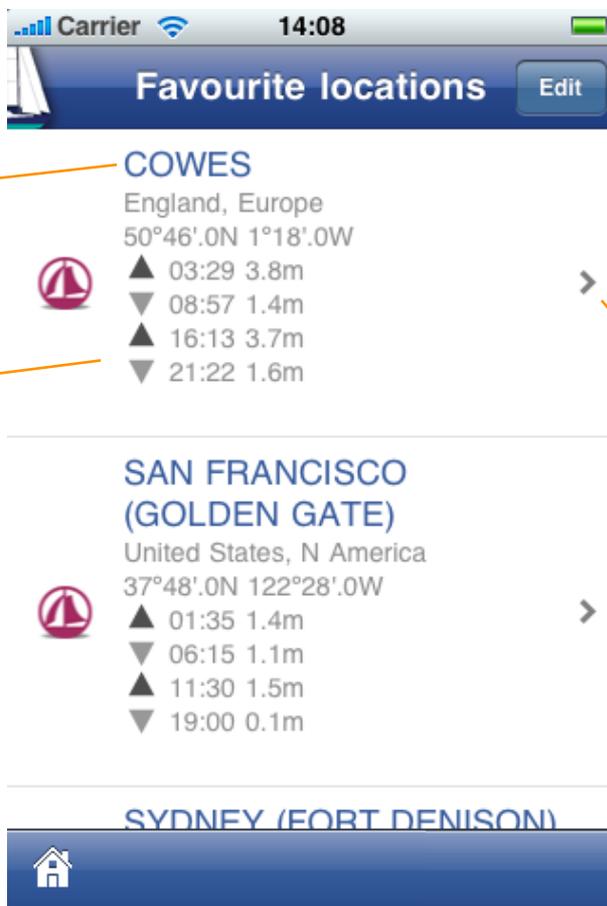
Date	Time	Height	Coefficient
Thursday May 06, 2010 BST	▲ 01:55	4.9m	(39)
	▼ 08:40	2.6m	
	▲ 14:45	4.7m	(36)
	▼ 21:10	3.0m	
Friday May 07, 2010 BST	▲ 03:05	4.8m	(35)
	▼ 09:55	2.7m	
	▲ 16:05	4.7m	(35)
	▼ 22:30	3.0m	
Saturday May 08, 2010 BST	▲ 04:25	4.8m	
	▼ 11:05	2.6m	
	▲ 17:10	4.9m	(37)
	▼ 23:40	2.8m	
Sunday May 09, 2010 BST	▲ 05:25	5.0m	(44)

The Tide Table gives tide peaks (high water, low water) for one week, plus sunrise/sunset and moon phase information.

Rotate to see moon information

Date	Time	Height	Coefficient
Tuesday Dec 28, 2010 GMT	▲ 04:15	4.0m	
	▼ 09:25	1.4m	
	▲ 16:32	3.9m	
	▼ 21:50	1.3m	
Wednesday Dec 29, 2010 GMT	▲ 05:19	4.0m	
	▼ 10:27	1.5m	
	▲ 17:40	3.7m	
	▼ 22:53	1.4m	
Thursday Dec 30, 2010 GMT	▲ 06:29	3.9m	

Favourites



Location

Tide peaks for the day

Coefficients in brackets (France)

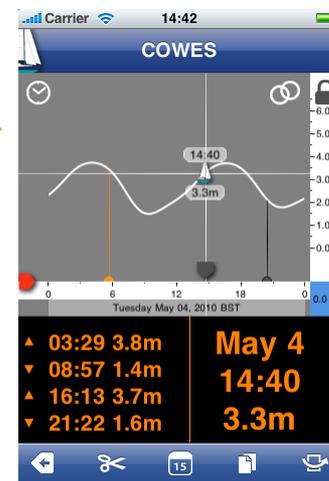
Edit table
Sort order
Delete

Tap to see Tide Graph panel for this location

Favourites keeps your most commonly used locations.

Tides for today appear in the list.

Tap on a location to see the tide graph panel.



Currents / tidal streams



Carrier 14:44

009AB DOVER

0.6KN 190°T 14:05 (16:05-2h)
Tuesday May 04, 2010 BST

-h +h

Sheerness Margate Dover Calais Boulogne-sur-Mer

51°12'.3N 1°24'.2E 1:637K 1.7NM

Annotations:

- Current stream name
- Current stream
- Speed, direction, time
- Back one hour
- Current stream
- Tidal stream reference port
- Switch between
 - > indicator mode (move indicator to find locations)
 - > map mode (drag map to find locations)
- Cursor coordinates
- Map scale
- Copy to Notepad/System
- Back to now
- Change date
- Access to favourites
- Use to move to a different area
- Time of peak at reference port plus hour increment that best approximates user time
- Add one hour
- Zoom +/-
- Pinch or double tap on map
- Distance from cursor to current stream
- Zoom to maximum or back to current zoom

Currents / tidal streams are shown for each tidal diamond defined. The current is shown in one hour increments relative to the reference port high or low water. The system is defined by the IHO.

Streams change in size depending on their strength.

Notepad



Location or stream location

005A PORTSMOUTH



1.8KN 55°T 14:43
50°44'.0N 1°29'.2W

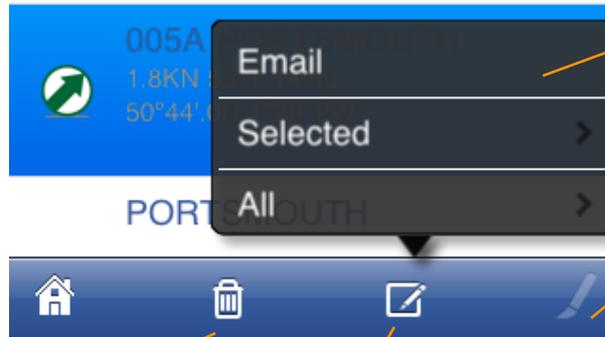
Tidal stream/current data copied from Currents Panel

BREST

Wednesday Mar 24, 2010 GMT
▼ 03:55 2.8m 24 Mar 2010 GMT
▼ 23:00 5.5m 24 Mar 2010 GMT
Coef 40, 40
48°23'.0N 4°30'.0W



Tide data copied from Tide Graph Panel



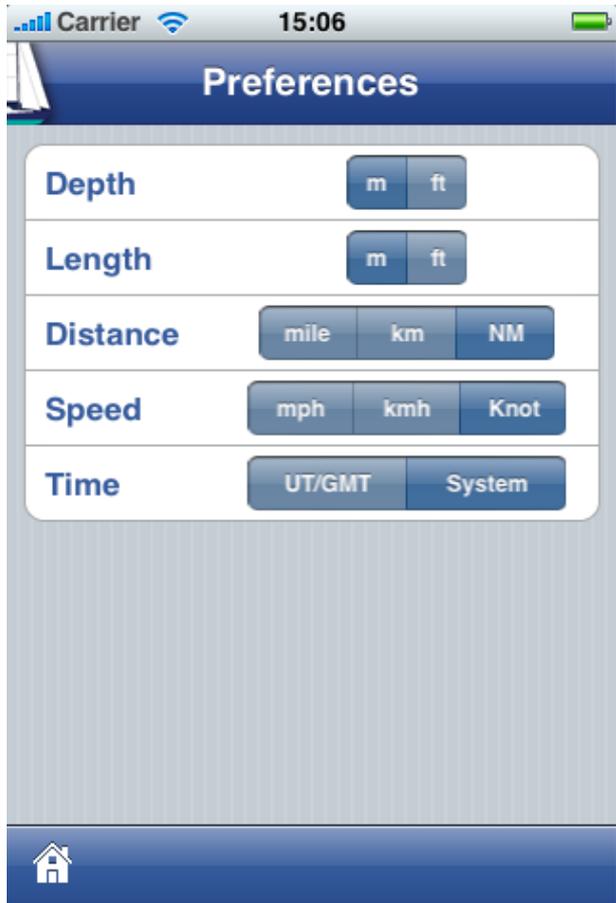
Launches email

Paste from Tides or Currents (if only 'To System' was selected)

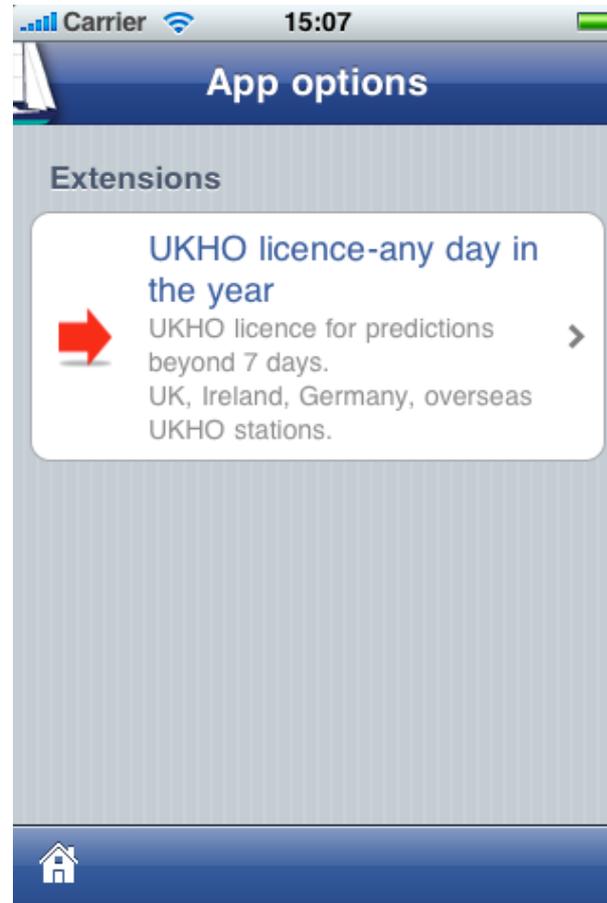
Delete all entries in Notepad

Email all or selected Notepad entry

Preferences



Selection shown is
metre, metre, nautical mile, knot,
system/iPhone time (normally local time)



Launches iTunes transaction
iTunes account will be required
Free if already purchased before

Preferences to choose units of measurement.

App Options to acquire hydrographic license extensions.