



## Tidal Prediction Worksheet (V 6.1)

### 1 Date, Age and Duration of Tide, Standard and Secondary Port, Time Zone & Local Time

Date [YYYY-MM-DD]	2012-08-09	Age of Tide [—, [0,00 ... 1,00]]	
Area of Standard Port (StP)		Duration [hh(+30)]	+0100
Standard Port (StP)	Poole Harbour	UTC - Time Zone =	+0000
Secondary Port (SeP)		LT - Time Zone =	+0100

### 2 Tide at Standard Port (StP)

Time Zone UTC	HW		LW	
	Time [ +/-hhmm]	Height [m]	Time [ +/-hhmm]	Height [m]
	1133	2,00	0632	0,60
Tide at Poole Harbour (StP)	2353	1,90	1852	0,60
	<b>1233</b>	<b>2,00</b>	<b>0732</b>	<b>0,60</b>
Local Time (LT)	<b>0053</b>	<b>1,90</b>	<b>1952</b>	<b>0,60</b>

System Log	
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### 3 Differences at Secondary Port (SeP)

Time at Poole Harbour (StP)	Time HW [hh00]		Time LW [hh00]	
Time Diffs at SeP	HW Differences [ +/- hhmm]		LW Differences [ +/- hhmm]	
Spring and Neap MHW/MLW at Poole Harbour (StP)	MHWS [m]	MHWN [m]	MLWN [m]	MLWS [m]
	—	—	—	—
Height Diffs at SeP	Height Differences [ +/- m]			

### 4 Tide at Secondary Port (SeP)

Time Zone UTC	HW		LW	
	Time [hhmm]	Height [m]	Time [hhmm]	Height [m]
Tide at Secondary Port				
Local Time (LT)				

5 Required Time & Height at Standard/Secondary Port (all times in Time Zone UTC)

Port of Interest [StP, SeP]	StP	Port of Interest [StP, SeP]	StP
Height req. at Poole Harbour [m]	1,50	Time req. at Poole Harbour LT	0015
Time HW at Poole Harbour LT	1233	Time HW at Poole Harbour LT	0053
Time LW at Poole Harbour LT	1952	Time LW at Poole Harbour LT	1952
Heights [m] & Trend of Tide	2,00 ↘ 0,60	Heights [m] & Trend of Tide	0,60 ↗ 1,90
Factor f [0,00 ... 1,00]	0,643	Time Difference d [+/-hhmm]	-0038
Scaling [—, no]		Scaling [—, no]	
Standard Curve Scaling	—	Standard Curve Scaling	0,84
Spring   Neap Curve Interpolation	—	Spring   Neap Curve Interpolation	—
void entry	—	Factor f [0,00 ... 1,00]	0,946
Time Difference d [+/-hhmm]	+0515	Factor f [0,00 ... 1,00]	
<b>Time at Poole Harbour LT !</b>	<b>1748</b>	<b>Height at Poole Harbour [m] ?</b>	<b>1,83</b>

System Log

6 Under Keel & Masthead Clearance

LAT [m]		HAT [m]	
Height of Tide [m]		Height of Tide [m]	
Required Under Keel Clearance [m]		Required Masthead Clearance [m]	
Barometric Pressure [hPa]		Barometric Pressure [hPa]	
Wind Tide [m]		Wind Tide [m]	
Sounding [m]		Height Obstruction above HAT [m]	
Draft of Yacht [m]		Height Masthead above WL [m]	
Safety Margin [m]		Safety Margin [m]	
Under Keel Clearance [m]		Masthead Clearance [m]	
Required Height of Tide [m]		Required Height of Tide [m]	

7 Remarks

Example for working with a non-supported standard port:

- "Time at Poole Harbour LT" is obtained by manual mode.
- "Height at Poole Harbour [m]" is obtained by estimation.

**Disclaimer and Terms of Use**

Although the *Tidal Prediction Worksheet* (TPW) is set up with care, it may contain errors yielding wrong results. Therefore the author does not take any responsibility at all for the correctness of the computed results. Instead it is the user's sole responsibility when relying on the outcome of the TPW for navigation or any other purposes.

Decide about acceptance: I do agree.

Expires:  
2016-04-01

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