

### Calculating Secondary ports:

#### Portsmouth data:

HW		LW		MHWN	MLWN
0500	1000	0000	0600	3.8	1.9
1700	2200	1200	1800		

#### Lee on Solent data:

HW		LW		MHWN	MLWN
-0005	+0005	-0015	-0010	-0.1	+0.1

So to fill out the table at the bottom...

Work out hrs between HW times, i.e.  $1700 - 2200 = 5\text{hrs}$ , divide 5hrs by difference between HW differences i.e. 10mins (-0005 to +0005) so 10 divided by 5 = 2 mins i.e. change the figure by 2 mins per hour of difference.

Then +/- this number according to the time difference i.e. 35mins between 1700 & 2200. Which would make the HW difference for Lee -0003 therefore HW at Lee is at 17:32.

Replicate the above-ish for LW at Lee.

	HW	Time	Height	LW	Time	Height
Standard Port	Portsmouth	1735	3.7	Ports	1046	1.8
Difference @	Lee	-0003	-0.1	Lee	-0014	+0.1
HW @	Lee	1732	3.6	LW@Lee	1032	1.9