

METEOROLOGICAL CORRECTION TABLE

(A) BAROMETRIC TABLE			(B) WIND TABLE		
mb	ins	Correction	Direction	Force 5	Force 10-12
965	28.50	+0.6m	N	-0.2m	-0.5m
975	28.79	+0.5m	N.E	-0.2m	-0.5m
985	29.09	+0.4m	E	-0.1m	-0.3m
995	29.38	+0.3m	S.E	-0.1m	-0.2m
1005	29.68	+0.2m	S	0.0m	0.0m
1015	29.97	+0.1m	S.W	0.0m	0.0m
1025	30.27	-0.1m	W	0.0m	0.0m
1035	30.56	-0.2m	N.W	-0.1m	-0.3m
1045	30.86	-0.3m			

At pressures over 1016mb with a very strong NE Gale, tidal levels may fall to 0.6m below prediction in exceptional cases

Corrections from tables (A) and (B) to be applied to predicted heights (see worked examples)

The corrections are given in metres (+) or (-) to heights predicted in the Main Tables or derived using the reduction tables

The Force 10-12 column gives maximum values, and should be used whenever the correction is negative, to ensure maximum margin of safety.

This table was recalculated for 2004, based on recent research (which is ongoing). Barometric corrections are less conservative than in older editions of the tide tables. However, all predictions and applied meteorological corrections must be used with the utmost caution. While use of this table will provide a good indication of expected tidal levels for passage planning, actual conditions and tidal levels with respect to prediction should be obtained before making a tidally critical passage in the Port of Southampton.