

Astronomical Tides over the same time period as the combined wave data (i.e., January 1979 – October 2014) have been derived at 15 minute intervals using the T_Tide tidal analysis package based on available water-level data (1987 - 2012) at the nearby HMAS Penguin tide gauge (33° 49'31.66"S, 151° 15'30.71"E). Absolute tidal anomalies due to short-term atmospheric and oceanographic fluctuations based on this tidal analysis are found to be limited to 0.19 m for 95% of the time and 0.26 m for 99% of the time.

ASTRONOMICAL TIDE DATASET				
Parameter [unit]	Time-series	Sample Frequency	Data File	File Format
Date & time [dd/mm/yyyy HH:MM]	01/1976 to 10/2014	15 minutes	Astronomical_Tide.csv	Column 1 – Date and time (AEST)
Astronomical Tide [m AHD]				Column 2 – Astronomical tide (m AHD)