


Identification	
Station Name	Seaport Marina Launceston
Gauge Description	HOBO absolute pressure logger U20L-01 in base of steel stilling well. Barometric pressure logger in PVC insert, top of well.
Latitude	41°25'59.7"S
Longitude	147°07'54.9"
Map Name	PERTH (1:50 000)
Map Number	TK08
Map Grid Northing	Z55 5413139
Map Grid Easting	Z55 511020
Site Details	
	<p>Seaport Marina is a popular restaurant and recreational boating location in the city of Launceston. The berthing is managed by MAST (Marine and Safety Tasmania).</p> <p>The tide gauge is fixed to a pontoon pile at the end of berthing pontoon C, access via locked gate. The water level logger rests on the stilling well base, and a barometric pressure data logger is supported in a PVC sleeve in the top of the stilling well.</p>
Tide gauge history	
	<p>The data loggers were deployed in June 2014 by Ian Kidd, IMAS PhD graduate. Data logging was interrupted when the stilling well was lost during June 2016 flood, and re-deployed after recovery 6 December 2016. The present height datum applies from the re-installed position. Data for 2014-2016 are available at:  <a href="http://metadata.imas.utas.edu.au/geonetwork/srv/eng/metadata.show?uuid=cf40574e-79b0-4f92-9038-8e5a9c4cb294">http://metadata.imas.utas.edu.au/geonetwork/srv/eng/metadata.show?uuid=cf40574e-79b0-4f92-9038-8e5a9c4cb294</a></p>
Data logging parameters	
	<p>Temperature and pressure logged at 1hr intervals. HOBO Pro software calculates water levels from separately recorded air pressure and water temp, assuming fresh water density. Water quality tests by Tamar Estuary Esk Rivers monitoring program indicate mean salinity = 1ppt. Water levels referenced to AHD.</p>

Data format	
Filename	"WLseaport_Dec16_Feb18.csv"
Recording interval	1 hourly
Columns	Date/time (AEST), Temperature (°C), Water level (m AHD)
Start date	06/12/2016 18:00
End date	27/02/2018 09:00
Tide Datum Reference	
Horizontal	GDA94
Vertical	Internal base of stilling well at -2.505m AHD
Tide Datum Bench Mark	
Name and number	DSM1113-50
Elevations	3.245m AHD83
Location	Charles St Bridge, bronze disc at northern end of western vehicle bridge footpath
Levelling	
Authority	Launceston City Council
Surveyor	Leigh Cornwell
Last checked	23/03/2018 by RTK GPS
Data Owner Details	
Name	Institute of Marine and Antarctic Studies
Postal address	Private 1370, Launceston 7250
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