Metadata for Tidal Data Exchange

Station Name Kiribati

Date of Supply Tuesday, 7 December 2010

Identification		
Station Number	BoM=200299 ATT=6759 WMO=91611	
Name	Kiribati	
Latitude and Estimated Positional Uncertainty	1.3625	+/- 3m
Longitude and Estimated Positional Uncertainty	172.9300	+/- 3m
Map Name		
Map Number		
Map Grid Northing		
Map Grid Easting		
Type of Readings		
Heights Streams Streams Constituent constants (Delete those not applicable)	Observations	
Progress *		
Update Frequency *	Real Time	
Available Format Type *	DIGITAL, text	
Measurement Units		
Tidal Heights Tidal Streams (Delete those not applicable)	metres	
Reference Frame		
Time Zone Vertical Reference Frame TGBM Name/Number TGBM Elevation relative to the vertical reference Estimated Positional Uncertainty Horizontal Reference Frame Direction of Stream Readings Depth of Stream Readings (relative to Vertical Reference Frame) Estimated Positional Uncertainty	UTC TGZ (University of Hawaii, Tide Gauge Zero) +/- 2mm Geodetic Datum of Aust (GDA94) +/-	
Search Words *	Marine, Oceanography, Water, Kiribati	
Data Owner Details		
Name	National Tidal Centre	
Postal Address	PO Box 421, Kent Town, SA 5071	
Street Address	25 College Road, SA 5071	
Telephone	08 8366 2730	
Facsimile	08 8366 2651	
Email	ntc@bom.gov.au	
Internet	www.bom.gov.au/oceanography	
Contact Officer Details		
Name	Paul Davill	
Position	Data Manager	
Telephone	08 8366 2730	
Email	ntc@bom.gov.au	
Data Custodian Details		

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Contact Officer Details	
Name	Paul Davill
Position	Data Manager
Telephone	08 8366 2730
Email	ntc@bom.gov.au
Details of the Readings Provided Herewith	
Date of readings supplied	
From	Dec-92
To	Current
The time interval between readings (If the readings are for high & low water then enter "Zero")	1-minute (average of 60, 1-second samples) 6-minutes (weighted average of 4, 1-minute readings) Hourly (filtered with a cut-off of 2 hours)
Are the readings averaged or filtered	See above. 1-minute samples are logged at the end of each minute, 6-minute centred on 0.1-hour increments
Are there any access constraints (such as commercial-in-confidence or constraint on the use or distribution to third parties).	No
Objective Quality Assessment of Tidal Observations (Height or Stream)	
Instrument	
Type Make Model	Sutron 9000
Sensor	
Type Make Model Mode of operation	Acoustic-in-air sensor Aquatrak® Transducer Aquatrak NG XCR RS-232
Frequency of System Calibrations Field calibration and Laboratory calibration	 every 18 months every 18 months
Frequency of Water Level Checks	
Estimate of the Precision of the Water Level Checks Time (Std Dev in Minutes) Height (Std Dev in metres)	 1mm +/-
System Resolution	
Estimated Local Uncertainty	
Status of the Readings	
Description of the validation process including a statement detailing how:- 1. The instrumental biases were treated 2. Outliers were selected and dealt with 3. Breaks in the record were dealt with	 Standard deviations Reported Recovered where possible
Date of Validation	Checked each month, for previous month
Name of Person certifying the validation	NTC Data Analysis Department

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Details required with the supply of tidal constituent constants	
All of the details required above	
The name and version of the software used to calculate the constants	TANS
The tidal constituent model used (particularly noting the treatment of the constituents Sa and Ssa) and specifying any related (inferred) constituent constants	Doodson's method
The date span used to prepare the constituent constants	1992-2007 (for 2010)
The reference time zone for the constituents	Local (-1200)
The vertical datum to which the constituents apply	3.533m below KIR 1
A precision estimate of predictions based on the constituent constants (for example, standard deviation of the analysis residuals)	Standard Deviation is 0.083
Additional details required with the supply of tidal predictions	
All of the details required above	
A statement describing the tidal prediction process used	Doodson's method
The name and version of the software used to calculate the predictions	Tipp4
A list of the constituent constants used or if the list is not provided, the donor agency's identifier of the list	Standard 112 Constituent list

Comments on data by Port Authority

- South Pacific Sea Level Climate Monitoring Program (SPSLCMP)