

GLOSS Sea Level Data Archeology Project



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GLOSS Data Archeology - Preliminary Questionnaire Return and Status

<u>MALTA</u>	
1. PRIMARY INFORMATION	
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Location of the historic measurements (station name, country name, if possible latitude/longitude) If possible a local map should be provided showing the location of the measurements within a port or harbour (we realise that sometimes the exact location may no longer be known).	Grand Harbour, Malta charts held at the UKHO, Taunton. Older records at Ricasoli, more recent at French Creek.
Start and end dates of the measurements	~1860 - ~1927 with gaps
Are existing (i.e. probably later) data already available in computer form from this site? If so, for what dates?	Yes but at different sites in the Grand Harbour (1988-1994; 1996-2000)
Is this site a GLOSS station, or are there existing data from this site in the PSMSL, UHSLC or other international data banks? (We can enter this field if necessary from our knowledge of GLOSS, PSMSL and UHSLC)	Not a GLOSS Station DATA sent to PSMSL

2. SUPPLEMENTARY INFORMATION	
Type of charts. Manufacturer of the charts.	Older records in the form of

Approximate size (cm x cm or inch x inch).	paper rolls about 30 cm wide; from 1903-1907 in the form of A3 sheets; Other charts in the form of thick paper charts that fit on drums
Manufacturer and description of the gauge itself.	Manufacturer not known Mechanical stilling well
Scale factor (i.e. ratio of sea level in the ocean to that on the chart)	1:10 older charts 1:5 more recent charts
Chart replacement frequency (e.g. daily, weekly)	Weekly
Quality of charts (e.g. Is the pen trace thin and distinct, which is good, or fat or smudged, which is bad? Is the paper deteriorating? How much high-frequency variability is there in the pen trace from waves, harbour activity or seiching).	Thin and distinct in most cases
How often were checks made on the gauge by a local observer?	Not known
Is there corresponding data available from tide pole readings? How frequent were they (e.g. daily, weekly) and are how are those readings recorded (e.g. in a book, marked on the chart)	No
Is there other detailed knowledge of the relationship between the zero of the chart readings, tide gauge zero, tide pole zero, heights of nearby benchmarks etc.?	Only little knowledge mainly from printed markings on the charts