





# Geodetic Data Sharing and Formats

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#### Static GNSS Data







- Daily RINEX international standard
- IGS Log files for metadata
- Sharing through initiatives such as APREF and IGS but also through national agencies



#### Static GNSS Data



Product	Obs. Rate	Availability	Latency	Archived	Format
Daily	30 sec	24 hours	+ 2 hours	Permanently	RINEX2/3
Hourly	30 sec	1 hour	+ 5 minutes	7 Days	RINEX2
High-rate	1 sec	15 minute	+ 2 minutes	Permanently	RINEX2

Public Data Archive <a href="ftp://ftp.ga.gov.au/geodesy-outgoing/gnss/">ftp://ftp.ga.gov.au/geodesy-outgoing/gnss/</a>

# Real-time GNSS Data







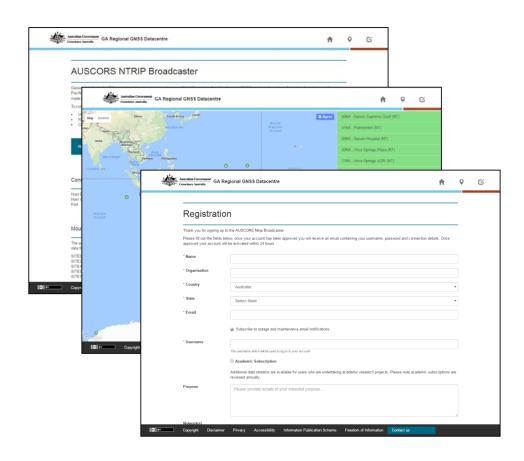
Product	Obs. Rate	Availability	Latency	Archived	Format
Real-time	1 hz	continuous	+ 2 secs	-	RTCM3

• NTRIP Data Caster

## Real-time GNSS Data





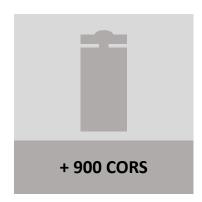


#### Real-time GNSS Data









1.6 TB

**Archive** 

**75 GB** per month

Upload

164 GB

per month

**Download** 

316

**Streams** 

178

**Subscribers** 

0.4 TB per month

Read

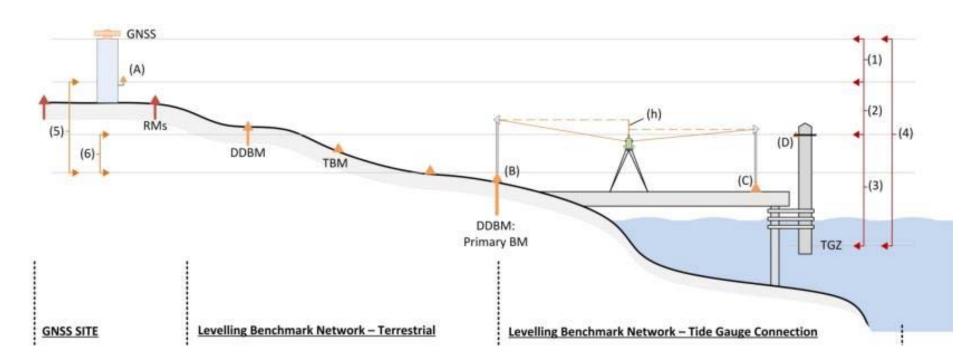
2.4 TB

per month

Written

# Sea Level and Tide Gauge Data





- The Global Sea Level Observing System (GLOSS) is an international programme conducted under the auspices of the Joint Technical Commission for Oceanography and Marine Meteorology (JCOMM) of the World Meteorological Organisation (WMO) and the Intergovernmental Oceanographic Commission (IOC)
- See <a href="http://www.gloss-sealevel.org/">http://www.gloss-sealevel.org/</a>

## **Gravity Data**





- Relative gravity data (airborne, ship-borne, ground-based)
- Absolute gravity data
- International Gravity Field Service (IGFS)
  - See http://igfs.topo.auth.gr/
- International Gravimetric Bureau
  - See http://bgi.omp.obs-mip.fr/dataproducts/Documentation/bgi\_data\_formats

