



# Geodetic Data Sharing and Formats

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





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** <ftp://ftp.ga.gov.au/geodesy-outgoing/gnss/>



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

- NTRIP Data Caster

# Real-time GNSS Data



The image shows three overlapping screenshots of the GA Regional GNSS Datacentre website. The top screenshot displays the 'AUSCORS NTRIP Broadcaster' page, which includes a map of Australia and a list of NTRIP broadcast stations. The middle screenshot shows the 'Registration' page, which contains a form for creating a new account. The bottom screenshot shows the 'Registration' page with a 'Thank you' message and a list of broadcast stations.

**AUSCORS NTRIP Broadcaster**

GA Regional GNSS Datacentre

03NA - Darwin Supreme Court (NT)  
01NA - Palmerston (NT)  
02NA - Darwin Hospital (NT)  
20NA - Alice Springs Plaza (NT)  
21NA - Alice Springs AZRI (NT)

**Registration**

Thank you for signing up to the AUSCORS Ntrip Broadcaster.  
Please fill out the fields below, once your account has been approved you will receive an email containing your username, password and connection details. Once approved your account will be activated within 24 hours.

\* Name  
\* Organisation  
\* Country: Australia  
\* State: Select State  
\* Email  
 Subscribe to outage and maintenance email notifications  
\* Username  
The username which will be used to log in to your account  
 Academic Subscription  
Additional data streams are available for users who are undertaking academic research projects. Please note academic subscriptions are reviewed annually.  
Purpose: Please provide details of your intended purpose...

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+ 900 CORS

**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



- 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/data-products/Documentation/bgi\\_data\\_formats](http://bgi.omp.obs-mip.fr/data-products/Documentation/bgi_data_formats)

