

Spatial Data Custodianship



Custodial Officer Profile



Hayden Asmussen – GPSnet

Hayden Asmussen is the Custodial Officer for Vicmap Position – GPSnet. This service provides Global Navigation Satellite Systems (GNSS) data from the GPSnet Continually Operating Reference Stations (CORS) to enable surveyors, mapping

professionals and other GNSS users to perform high accuracy positioning and navigation in Victoria. It is Hayden's responsibility to ensure the datasets are complete, up to date, fit for purpose and available for use at any time.

Collection and Verification

GNSS data is collected at all 48 (current November 2009) GPSnet CORS across the state of Victoria (and one in Adelaide) in hourly files called Rinex files. Before this data is archived and made available to the public it must pass through a number of quality control checks.

The data is verified to ensure that enough satellites are visible for accurate positioning, that errors are not being introduced by signals bouncing off vegetation or buildings and that the data is 100% complete (see table). If it does not pass quality control, it is Hayden's responsibility to check why and to decide whether the data should be kept and released for use by the public.

The GNSS data is placed on the internet for registered customers of Vicmap Position to download. It is available for 60 days before being removed and archived to DVD where it can be accessed upon customer request.

Communication

Hayden is also responsible for promoting the wider use of Vicmap Position. He alerts customers via phone, email, or SMS regarding issues with the datasets or any of the subsequent base stations. This helps his customers make informed decisions about their use of the product. Hayden also welcomes feedback from customers as to how the network and services are performing.

The Victorian Spatial Council (VSC) has directed the Spatial Information Infrastructure Division in the Department of Sustainability and Environment to manage the Custodianship Program on its behalf.

Spatial Information Infrastructure

Telephone: +61 3 8636 2307

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Online Quality Control Reporting

Station Name	Abbrev	Quality Plots	File Summary	Current Status*
Albury	Albu	Albu	Albu	
Bairnsdale	Bair	Bair	Bair	
Ballarat	Ball	Ball	Ball	
Benalla	Bena	Bena	Bena	
Cann River	Cann	Cann	Cann	
Colac	Cola	Cola	Cola	
Epsom	Epso	Epso	Epso	
Hamilton	Hami	Hami	Hami	
Horsham	Hors	Hors	Hors	
Irymple	Irym	Irym	Irym	
Melbourne	Melb	Melb	Melb	
Melbourne Observatory	Mobs	N/A	N/A	
Mt Buller	MtBu	MtBu	MtBu	
Swan Hill	Swan	Swan	Swan	
Walpeup	Walp	Walp	Walp	
Yallourn	Yall	Yall	Yall	

* - See below for the meaning of the status lights.

Status Meaning

- Unknown status (insufficient files have been processed).
- Of the last 6 files 0 or less are unavailable and 0 or less failed quality testing.
- Of the last 6 files at least 1 are unavailable and/or at least 1 failed quality testing.
- Of the last 6 files at least 2 are unavailable and/or at least 2 failed quality testing.
- Station is offline.

