

# Galileo System Test Bed V1 Data Server Facility (DSF)

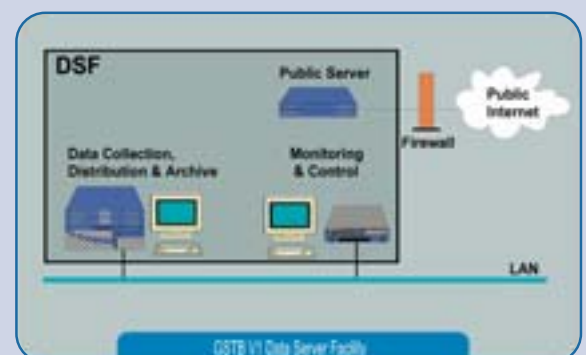
The Data Server Facility is the central element of the Galileo System Test Bed V1 (GSTB V1). Its main role inside the GSTB Processing Centre (GPC) is to collect, redistribute, store and make publicly available the scientific data used and generated by the system. In particular it will be the main support to establish cooperation with the scientific community around the world.

The DSF collects GPS raw data acquired by a global network of sensor stations and provides them to the experimental integrity and orbit and synchronisation processing facilities. Once processing is completed, the DSF retrieves the generated core products, reformats and stores them to make the GSTB-V1 experimentation results available for public access. The DSF also monitors and controls the GSTB V1 elements reporting problems and triggering alarms to the operations team located at the GSTB-V1 Processing Centre in ESA ESTEC.



## Experimentation Objectives:

- The DSF is the key element providing the data logistics for the GSTB-V1 experimentation program 7 days a week, 24 hours a day.
- The collaboration with the scientific community is based on ESA public Internet web and ftp servers.



The DSF is the technological support for the GSTB-V1 open experimentation framework.

It provides to the general public and scientific community access to GSTB-V1 information as well as the capability to download the associated core products and experimentation results through the ESA web site ([www.gstb-v1.esa.int](http://www.gstb-v1.esa.int)).

The GSTB-V1 Web and FTP services deliver:

- GPS raw data collected by a set of worldwide distributed receiver stations.
- Experimental integrity (E-IPF) core products.
- Experimental orbitography and time determination (E-OSPF) core products.
- Experimental precision timing station (E-PTS) core products.



### Coming soon:

The DSF is currently operational and running at the GSTB-V1 Processing Centre located at ESA ESTEC.

Users can register and start experimentation at their premises using the GSTB-V1 data and products.

#### Industry Contact:

Indra  
César Recasens  
Tel. +34 934005800  
E-mail: [crecasens@indra.es](mailto:crecasens@indra.es)

#### ESA Contact:

[www.gstb-v1.esa.int](http://www.gstb-v1.esa.int)  
Marco Falcone  
Tel. + 31 71 5655832  
Email: [Marco.Falcone@esa.int](mailto:Marco.Falcone@esa.int)

GalileoTech News are being released on a case by case basis and are intended for general information only. For more comprehensive and up-to-date information please contact the Galileo Project Office at ESA-ESTEC

Tel +31 71 565 3193

[galileo.project@esa.int](mailto:galileo.project@esa.int)

[www.esa.int/navigation](http://www.esa.int/navigation)

