

TEMPEST™ DAS

Data Acquisition Server for GOES DCS



The Tempest™ DAS is a proven product that enables federal, state, local, and international organizations to collect remote environmental data in real-time. The DAS was designed to serve the needs of the GOES Data Collection System (DCS). Also known as LRGs (Local Readout Ground Station) the DAS is the de-facto standard for GOES DCS data acquisition.

With the Tempest™ DAS, you can collect data directly from GOES (DRGS), from a government rebroadcast (LRIT, NOAAPORT, DOMSAT), or over the internet. We provide turn-key systems including dish, LNB, receiver, computer, and fully-configured software.

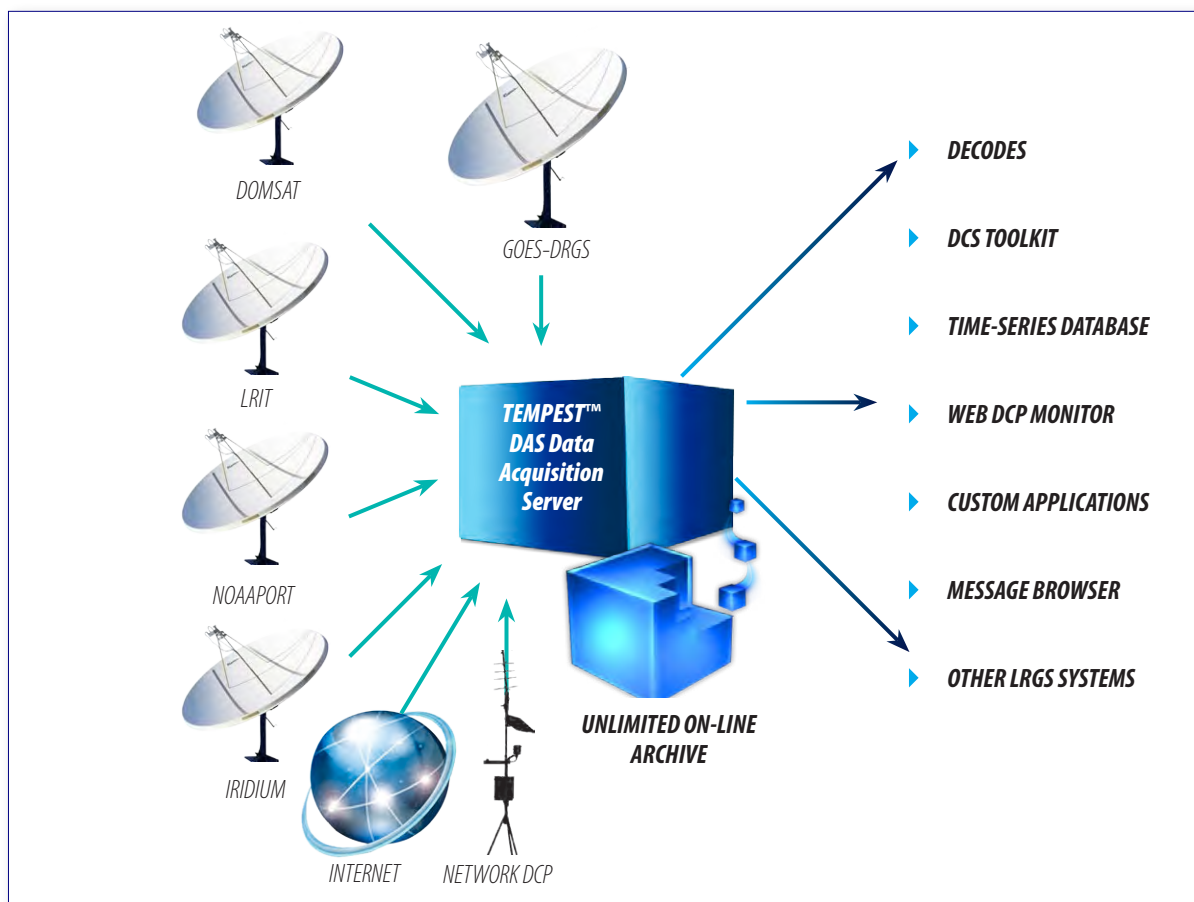
DAS also supports several non-GOES interfaces such as Iridium, GPRS, Direct-IP, Radio, and Meteosat (see separate brochure).

The Tempest™ DAS provides the standard protocol DDS (DCP Data Service) for distributing raw data to your processing applications. Your applications can run on the same machine as the DAS, or over the network.

The DAS is written in 100% Java so it will run on any modern computing platform (Linux, Windows, Solaris). We can provide a turn-key system with any of the interfaces shown below. Or if you prefer, we can provide just the DAS software for you to install on your own equipment.

Tempest™ DAS Features

- ▶ Acquisition via GOES-DRGS, LRIT, NOAAPORT, DOMSAT, Internet
- ▶ Merge data from multiple interfaces according to user-settable priority scheme
- ▶ Storage limited only by disk capacity
- ▶ Rotating archive deletes oldest data as new data arrives for maintenance-free operation (typical configuration is 120 days)
- ▶ Graphical tools for status monitoring, configuration, management, and data retrieval
- ▶ Selection of DCP messages by time, address, site name, network list, or GOES channel
- ▶ Supports DDS (DCP Data Service), a standard network interface for receiving DCP data in real-time
- ▶ 100% Java. Can run on any modern computer platform (Windows, Linux, Solaris)
- ▶ Compatible with Tempest™ DCS Toolkit, DECODES, Hydro-Met Analysis System, CWMS, ADAPS, and any LRGs-CLIENT programs

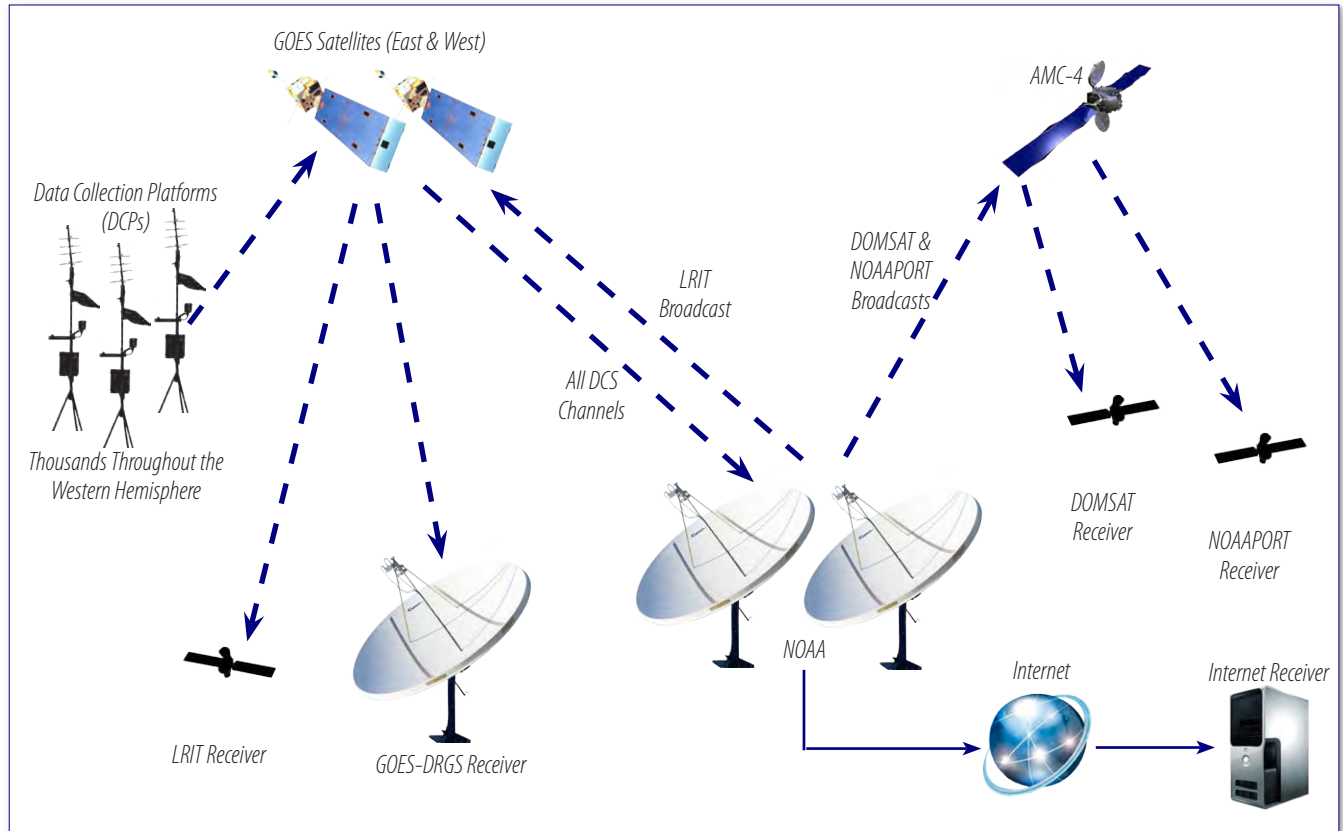


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There are many ways to retrieve your GOES DCP data. Tempest™ DAS supports GOES-DRGS, LRIT, NOAAPORT, and Internet. We can help you choose the right system to meet your needs.



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WHICH TEMPEST™ DATA ACQUISITION SERVER IS RIGHT FOR YOU?

	DOMSAT	LRIT	GOES	INTERNET	NOAAPORT	IRIDIUM
TRANSMISSION DELAY	A few seconds	<30 seconds	Immediate	A few seconds	A few minutes	Immediate
GEOGRAPHIC COVERAGE	Continental U.S.	Western Hemisphere	Western Hemisphere	The World	Continental U.S.	The World
GOES CHANNEL COVERAGE	All Channels	All Channels	Purchase demodulators for each channel	All Channels	Limited to DCPs Observed by NWS	N/A
RELIES ON NOAA WALLOPS CDA?	Yes	Yes	No	Depends on Source Server	Yes	No