



9250 Bendix Road, North
Columbia, MD 21045
www.ilexeng.com
410.715.1117

Tempest™ LRGS (Local Readout Ground Station) Product Specifications

May 10, 2005

The *Tempest*™ LRGS is a proven product that provides many federal, state, local, and private organizations with the ability to collect remote environmental data in real-time. The LRGS provides local storage of raw DCP data limited only by your disk capacity.

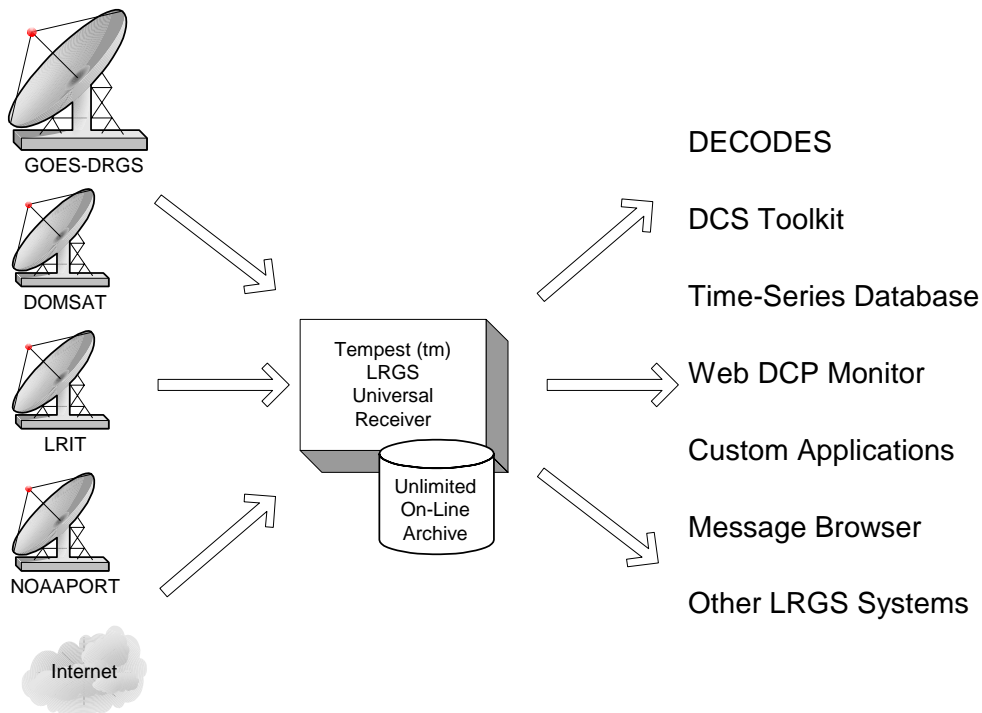
With the *Tempest* LRGS you can receive and archive data from any combinations of input interfaces: DOMSAT, LRIT, GOES-DRGS, Internet-DDS, or NOAAPORT. Platform messages are merged according to a user-settable priority scheme for ultra-reliable data collection.

The *Tempest* LRGS provides the de-facto standard DDS (DCP Data Service) for distributing raw data to your processing applications. Your applications can run on the same machine as the LRGS, or over the network.

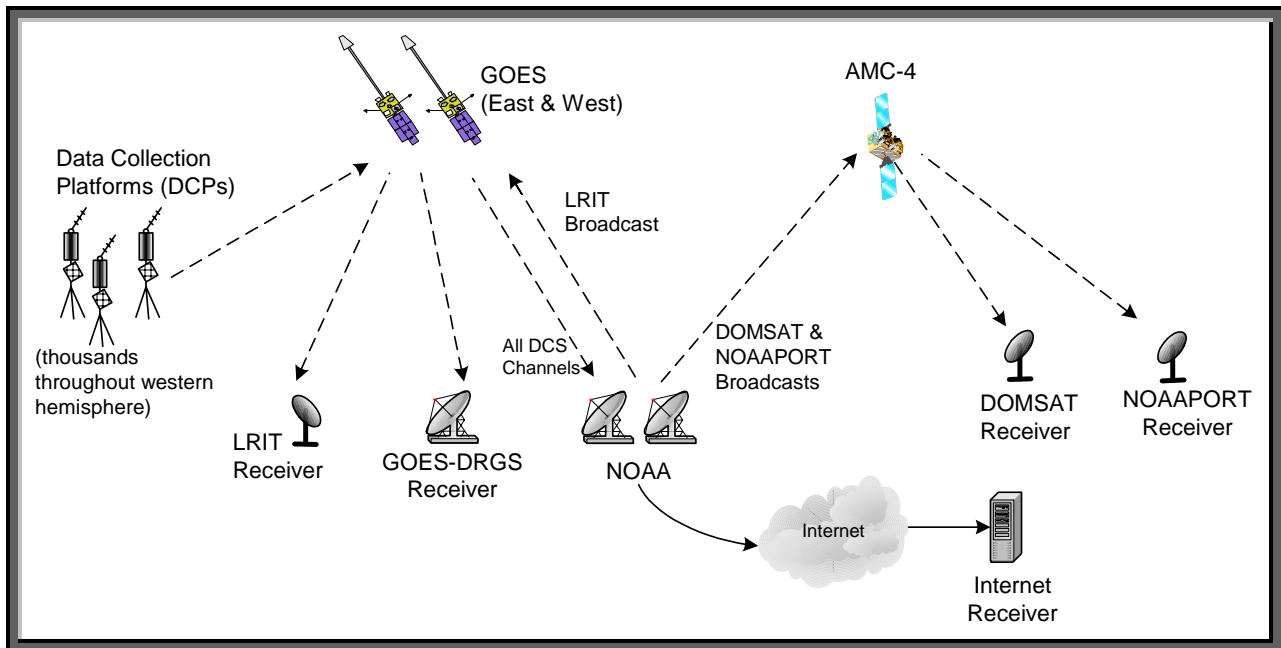
Our latest release of the *Tempest* LRGS is written in 100% Java so it will run on any modern computing platform (Linux, Windows, Solaris, AIX). We can provide a turn-key system with any of the interfaces shown. Or if you prefer, we can provide just the LRGS software for you to install on your own equipment.

Tempest LRGS Receiver Features:

- Supported Inputs: DOMSAT, LRIT, GOES-DRGS, Internet, and NOAAPORT.
- Merge data from multiple interfaces according to user-settable priority scheme.
- Storage limited only by disk capacity.
- 100% Java (except for drivers for DOMSAT interface). Can run on any modern platform (Windows, Linux, Solaris)
- Turnkey Multi-User System. Serve DCP data to many simultaneous processing applications on the same machine or over the network.
- Compatible with Tempest DCS Toolkit, DECODES, Message-Browser, and any LRGS-CLIENT programs.
- DDS (DCP Data Service) - a standard network interface for receiving DCP data in real-time.
- Receive and Archive all or any subset of data from the GOES Data Collection System
- Many graphical tools for status monitoring, configuration, management, and data retrieval.
- Selection of DCP messages by time, address, site name, network list, or GOES channel.



There are many ways to retrieve your GOES DCP data. Ilex's *Tempest*TM LRGS Receivers support DOMSAT, LRIT, internet, GOES-DRGS, and NOAAPORT. We can help you choose the right system to meet your needs.



Which *Tempest*TM LRGS Receive System is Right for You?

	<i>DOMSAT Receiver</i>	<i>LRIT Receiver</i>	<i>GOES Receiver</i>	<i>Internet Receiver</i>	<i>NOAAPORT Receiver</i>
Transmission Delay:	A few seconds	Could be minutes	Immediate	A few seconds	A few minutes
Geographic Coverage:	Continental U.S.	Western Hemisphere	Western Hemisphere	The World	Continental U.S.
GOES Channel Coverage	All Channels	All Channels	Purchase demodulators for each channel	All Channels	Limited to DCPs Observed by NWS
Relies on NOAA Wallops CDA?	Yes	Yes	No	Depends on Source Server	Yes
DDS Support	Client/Server	Client/Server	Client/Server	Client/Server	Client/Server
Decoder Support	Yes	Yes	Yes	Yes	Yes
Computer Platform	Linux	Vendor's LRIT Platform	Runs Anywhere	Runs Anywhere	Vendor's NOAAPORT Platform