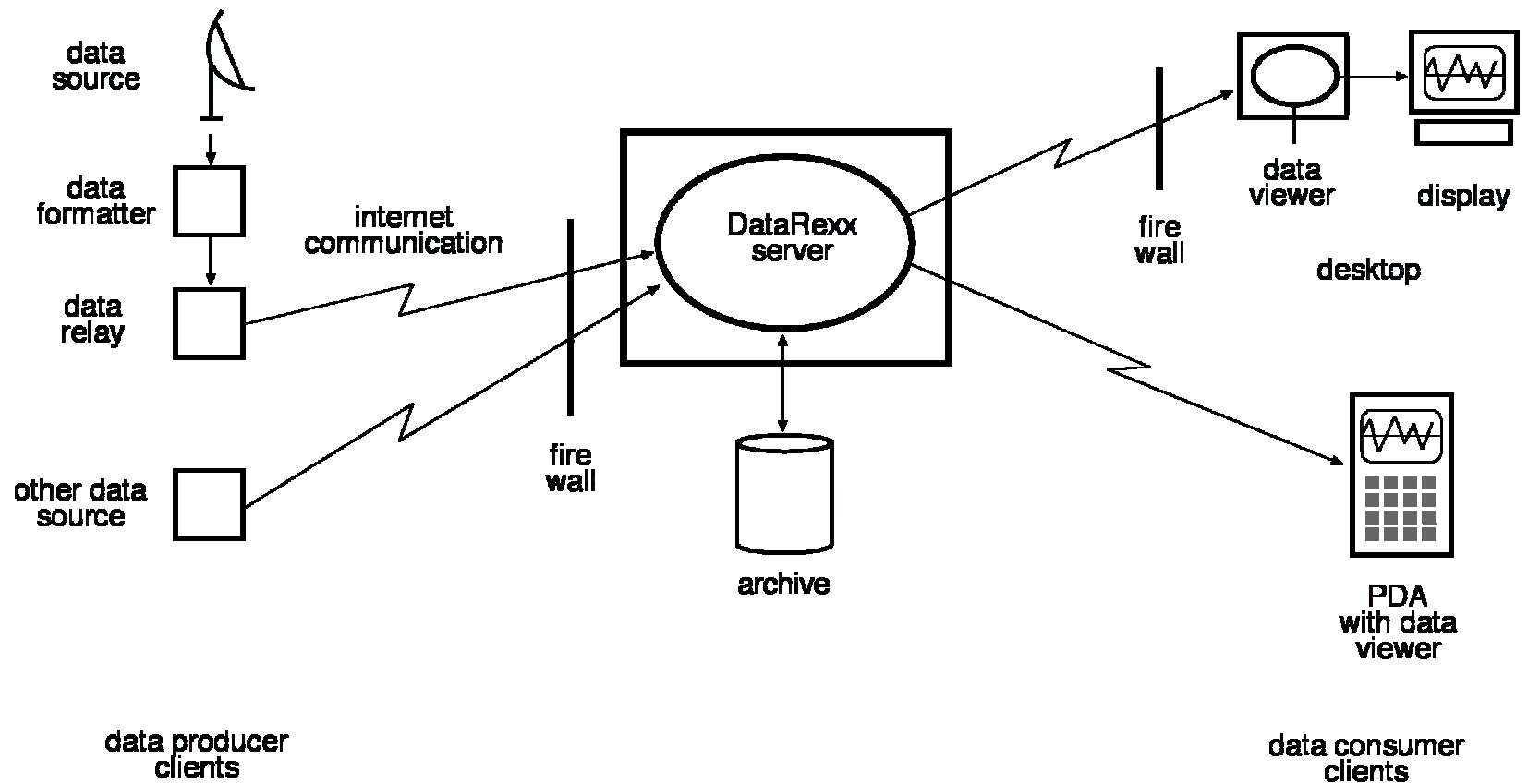# Introduction to DataRexx

- General purpose data collection, archiving & distribution server
- Works across the internet and through firewalls
- Supports multiple, simultaneous input & output data streams in near real-time
- Platform independent
- Supports arbitrary binary formats
- Provides an easy API for data producer & data consumer client programs
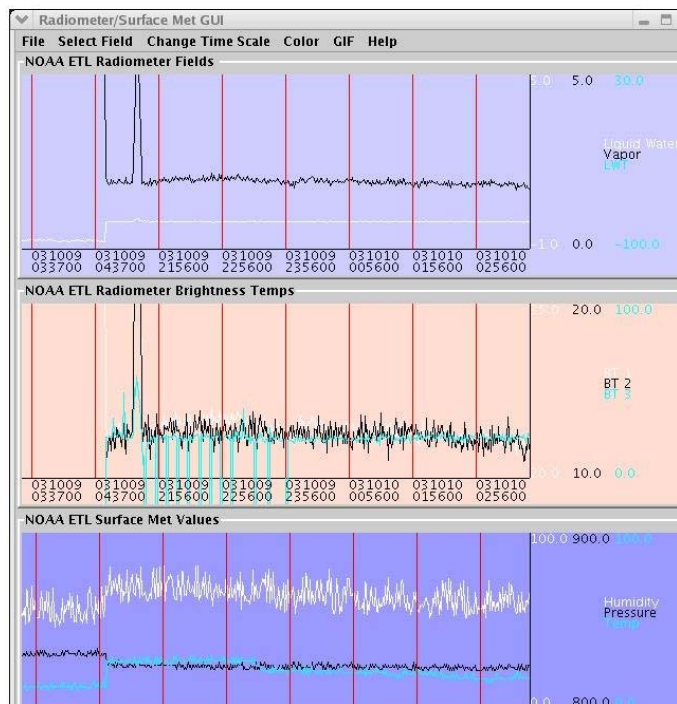- Licensed without fee (free)

System Overview

data source

data formatter

data relay

internet communication

other data source

data producer clients

fire wall

DataRexx server

archive

fire wall

data viewer

display

desktop

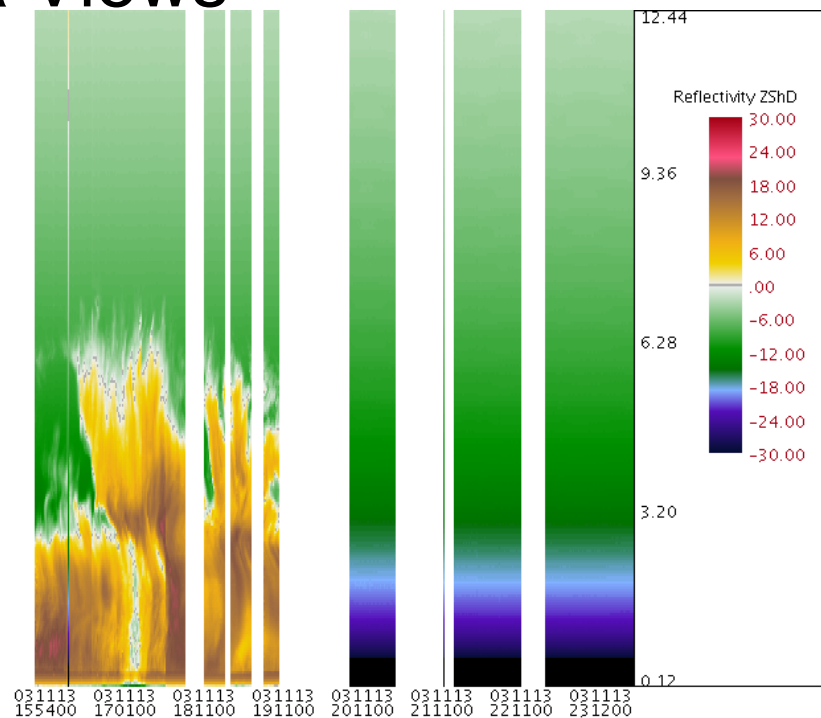PDA with data viewer

data consumer clients

Technology Employed

- Java Language
  - Robust, object-oriented
- J2EE Components (JSPs and servlets)
  - High quality, robust web programming capability
- Apache Tomcat
  - High quality J2EE engine and web server
- HTTP
  - Standard web protocol requires no extra configuration or private ports
- Motivation for all of the above
  - OS independent (Windows, Linux, Solaris, Mac)
  - Well supported, widely used, vendor independent, free
- PDA
  - Makes data presentation accessible beyond desktop
  - Initial target is Palm Tungsten

Example Multiple Real-Time Data Views

Radiometer & surface met. products

Radar polarization product