Commercially

Available

Hardware for

Signal Processing

and Data

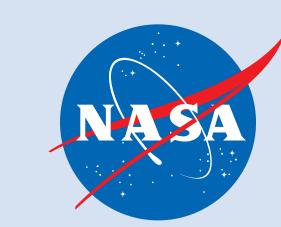
Acquisition for

Multi-mission

Direct

Readout

Applications



Modular Components Approach for Real-Time Data System Implementation

NPP In-Situ Ground System (NISGS)

TERRA Level 1 **TERRA** Level 0 **DB MODIS** Level 2 **AQUA** Level 0 **AQUA Level 1 NPP** NPP/NPOESS NPP/NPOESS **RDR** SDR's EDR's

NISGS Front End System (NISFES)

- Real-Time Software Telemetry Processing System (RT-STPS)
- Simulcast

NISGS Data System (NISDS)

- NISDS Control System (NCS)
- Data Storage Manager (DSM)
- Science Processing Algorithms (SPAs)

Information Services (IS)

NISGS Status Event/ Logging System (NSLS)

Pre-Processing

Final Product

