



GRAVITE Update – Data Interpolation

- Code for interpolation originally prepared by NASA Land PEATE
- Incorporated into SDRGen, which ultimately became MOVICON
- Coded in C, compiles with gcc, routines in 'interpolation.c'

- Lat/Lon are bilinearly interpolated from MODIS 1354x10 array to VIIRS 3200x16 array
- Radiance/Angles are nearest-neighbor assigned to the VIIRS locations.

- Theory of Operation wiki document at:
 - https://casanosa.noaa.gov/docman/wiki_doc.php?id=2571&group_id=263

- interpolation.c available via subversion on the GRAVITE CasaNOSA project.



GRAVITE Status - GTP

- GTP – GRAVITE Transfer Protocol
- Java classes and client program for access to the GRAVITE Data Portal
- Communication via secure http
- Allows for Data retrieval and Metadata search
- Demos/Technical Sessions with John Henson available on request tomorrow/Thursday

- Starter Package Document:
- /Program Technical Documentation/Technical Documentation area of the GRAVITE CasaNOSA project.
- https://casanosa.noaa.gov/docman/?group_id=263



GTP – Data Retrieval Scripts

- GTP was designed to be incorporated into remote processing scripts
- Ronnie Vaughan has some initial experience
- We will establish an svn repository for community data acquisition scripts on the GRAVITE CasaNOSA project.



File Nomenclature

- Proxy Data files on GRAVITE are named according to the CDFCB
- Data files ingested by GRAVITE carry their original names.
- The naming convention used for GRAVITE proxy data can be found at:
- https://casanosa.noaa.gov/docman/wiki_doc.php?id=2565&group_id=263



Access To GRAVITE

■ Data Portal

- Gravite.ipo.noaa.gov
- Communication via GRAVITE Transfer Protocol over https
- Data File and Database query and retrieval

■ Remote Shell Access

- Access via Cisco remote access solution
- Offered to "US Persons" (US Citizen or Green Card holder)
- Shell access on processing computers, direct access to data

■ Account Requests

- Send to CasaNOSA Help Desk (301-713-9300, nosa.dev@noaa.gov)
- Include Gov't sponsor and account type.