Introduction to GAMIT/GLOBK

Problems encountered in automatic processing (and some solutions)

Lecture 7

Topics to be covered

- Postfit editing and sky plots (sky plots need GMT installed)
- CVIEW interactive data viewer
- Common failure modes
Skyplots

- These are generated using GMT from the DPH files generated when the `POST phs_res_root DPH` command is used in `autcln.cmd`
- Examples:
  - HOLC in California
  - Results from `/dell3/tah/glob99` using `display`
CVIEW

- cview is an interactive viewer of GPS data
- It allows editing and cycle slip repair
- Not used that much any more since autcln but some times useful when autcln fails
- Example use of cview
- To retain cfiles must use -e option in sh_gamit.
- Examine /dell3/tah/iap02/013r

Failures

- Reported in the GAMIT.fatal files
- Most common are due to antenna/receiver type not being known
- Look at fatals that occurred in yesterday's tutorial
Summary

- Sky plots show in detail the character of the phase data
- Failure modes: Most common
  - Setup errors
  - Receiver and antenna information
  - Bad apriori coordinates
  - Tables out of range.