Tutorial: Basic Processing

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GAMIT Processing

• In this session we will look at the processing of GPS data from the Caribbean Region and in the Continental US for contrast.

• Download: http://www-gpsg.mit.edu/~simon/gtgk/PASI_2013/COCO_EX_tables.tar.gz into a directory where you plan running the gamit/globk solutions.

• The tables directory in the COCO_example folder contains the sites.defaults for this processing. We will process different days from 2012 and 2013 (most of the selected COCONet sites are running during this interval. (Internet connection needed).

• Initial run: In the COCO_example folder
  – sh_setup -yr 2012
  – sh_gamit-d 2012 20 –expt coco –netext a –yrext

• Once this run is complete; process more days. Different people can process different days and we can share h-files from globk tutorial tomorrow.

• sh_gamit -d 2012 <days> -expt coco -yrext -netext a > & ! sh_gamit_2012.log &
Residual plots

• sh_oneway can be used to plot residuals for each site each day because autcln.cmd file has the phs_res_root option on. But the DPH files can be large and so look at averaged elevation angle dependent residuals in the autcln.post.sum file

• Make plots:
  – mkdir plots ; cd plots
  – sh_plot_elmean -f ../20*/autcln.post.sum -s ALL -R5/90/-15/15
  – (-R option is optional but shows all plots on same scale)