

Tutorial: Basic Processing

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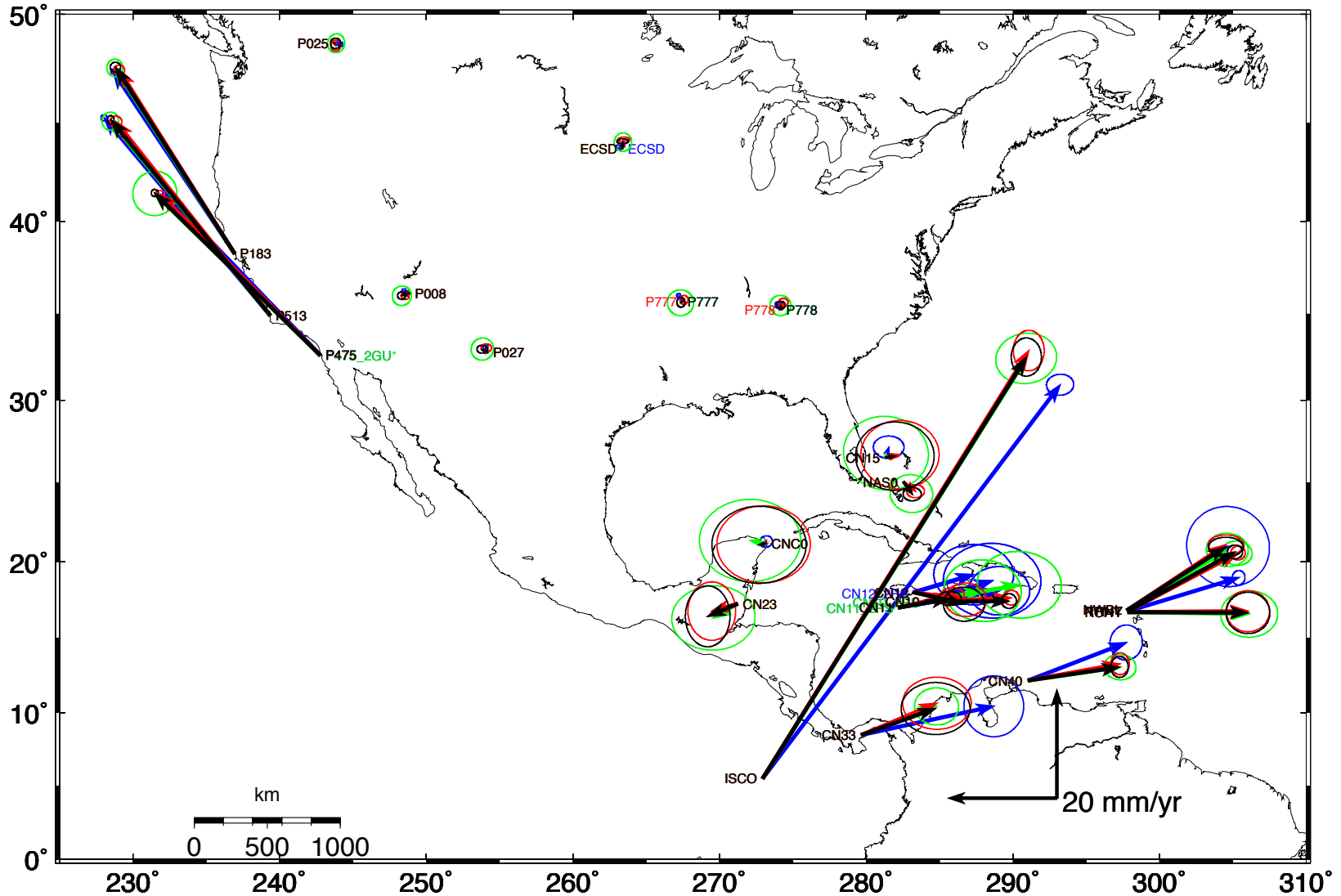
GAMIT Processing

- 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 -yrex
- 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 -yrex -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)

Sites being processed



Velocities relative to NONE Input file : coco1213_loc.vel

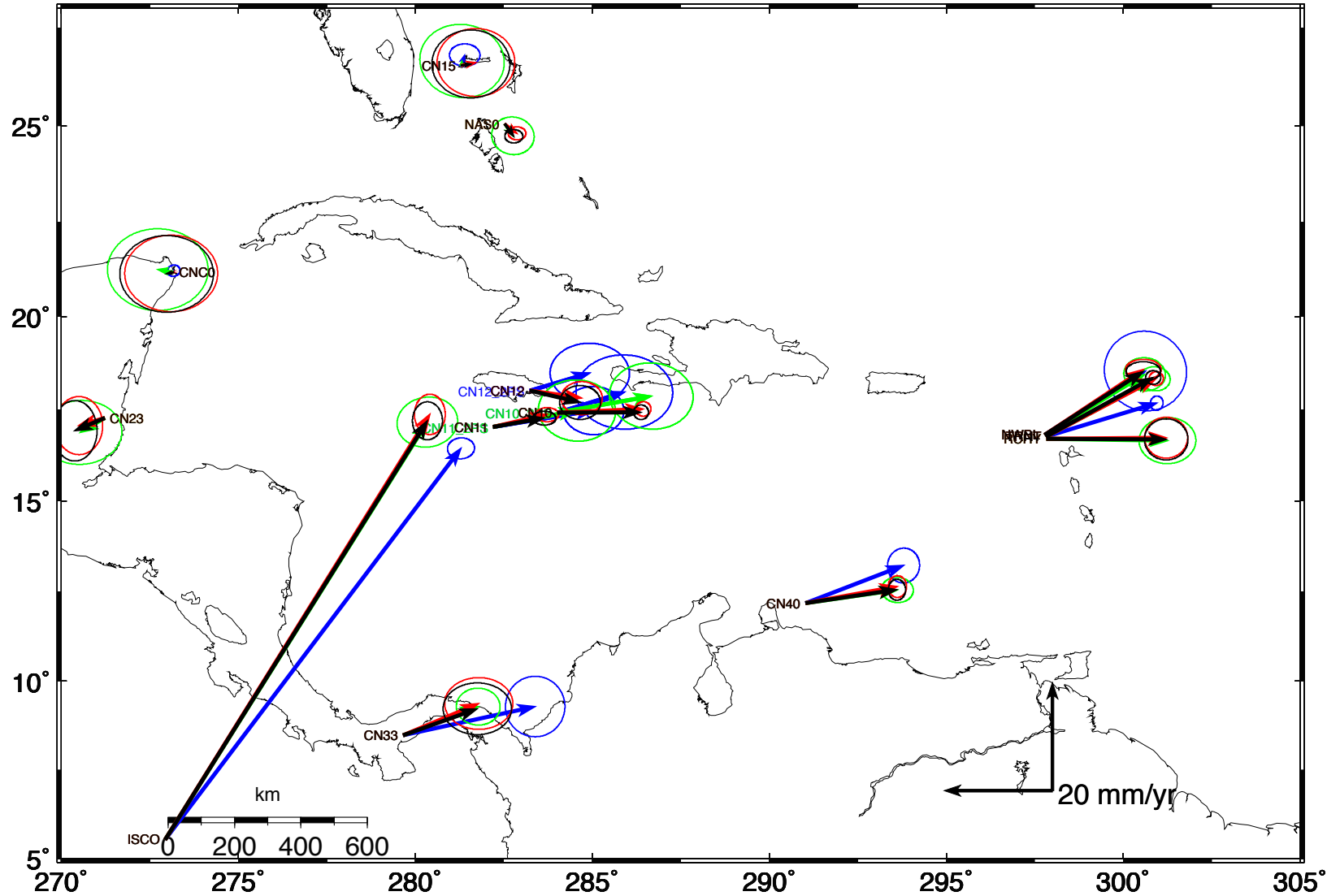
05/08/2013

Confidence interval : 95 ChiSquare / dof : 0.00 Formal Errors Scaled by 1.00

Sat May 4 16:23:39 EDT 2013

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COCO Net region



Velocities relative to NONE Input file : coco1213_loc.vel

05/08/2013

Confidence interval : 95 ChiSquare / dof : 0.00 Formal Errors Scaled by 1.00

Sun May 5 09:07:51 EDT 2013

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