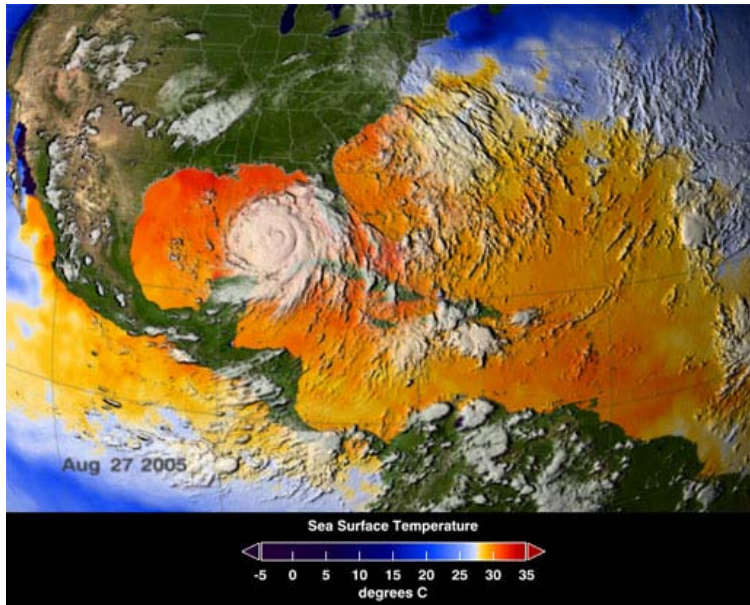


# The Continuously Operation Caribbean Observational Network: COCONet



Meghan Miller<sup>(1)</sup>, Eric Calais<sup>(2)</sup>, Mike Jackson<sup>(1)</sup>, Guoquan Wang<sup>(3)</sup>, John Braun<sup>(4)</sup>

(1) UNAVCO

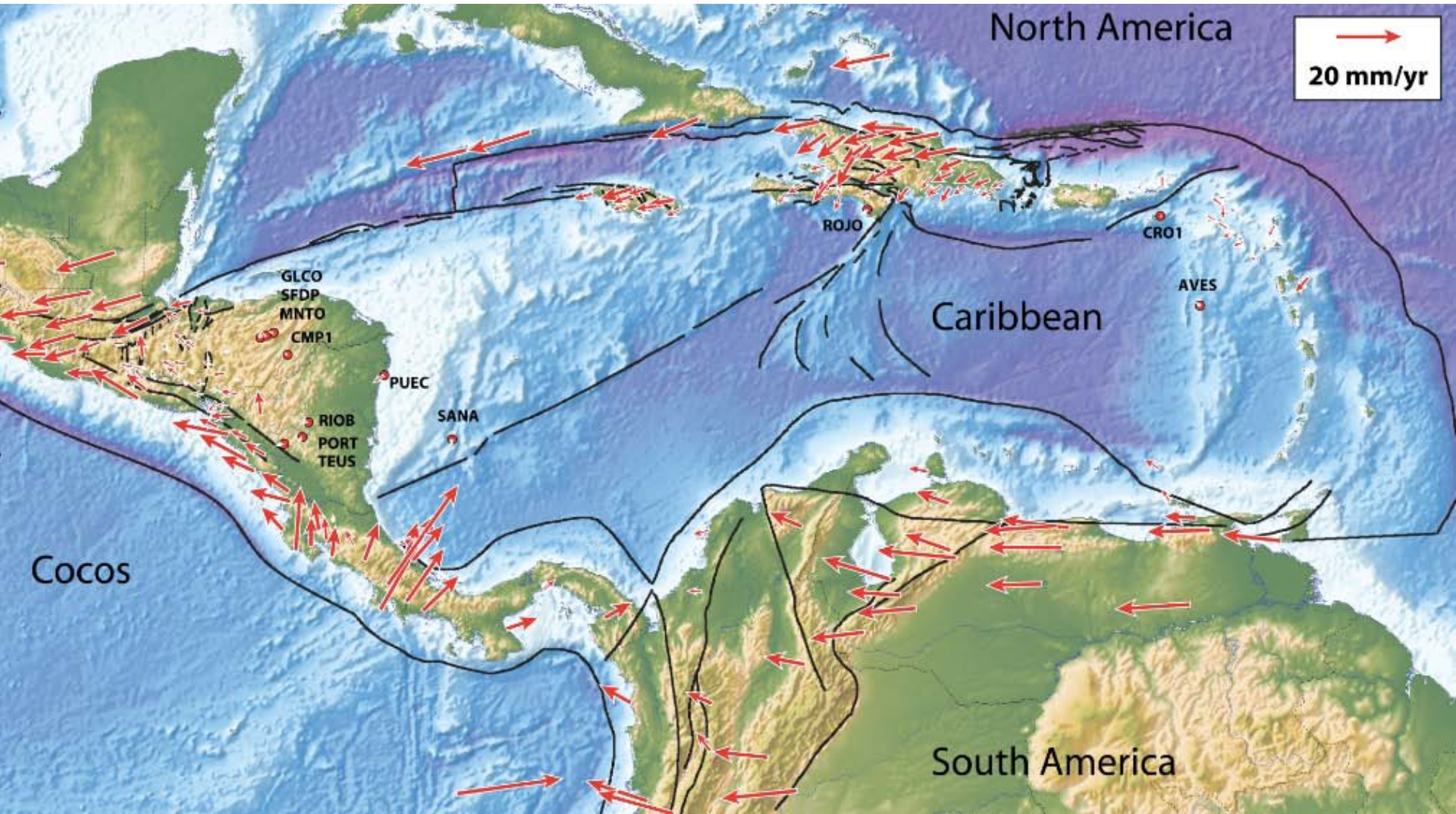
(2) Purdue University

(3) University of Puerto Rico at Mayaguez

(4) COSMIC/UCAR

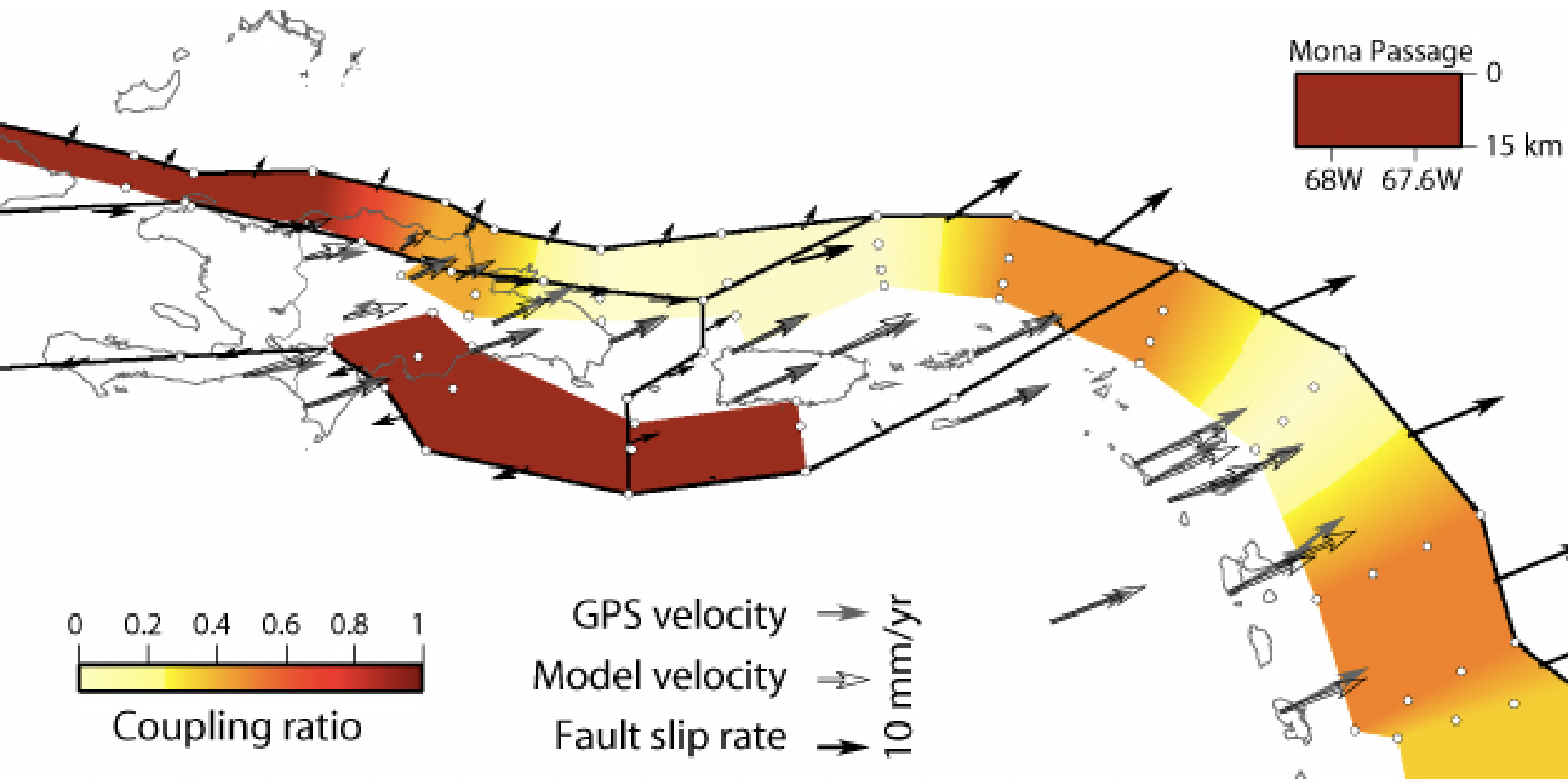


***What are the kinematics of the Caribbean domain? How rigid is the Caribbean plate? What Caribbean reference frame is appropriate for tectonic studies?***



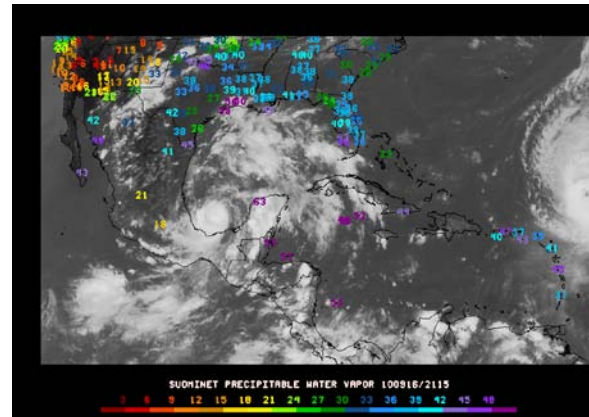
# How is stress released at convergent plate boundaries? What controls interplate coupling? How does interseismic plate coupling change along strike?

(Manaker et al., GJI, 2008)

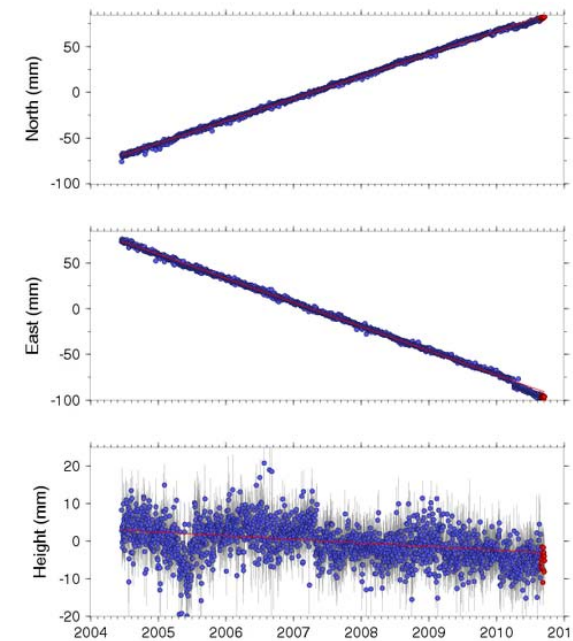




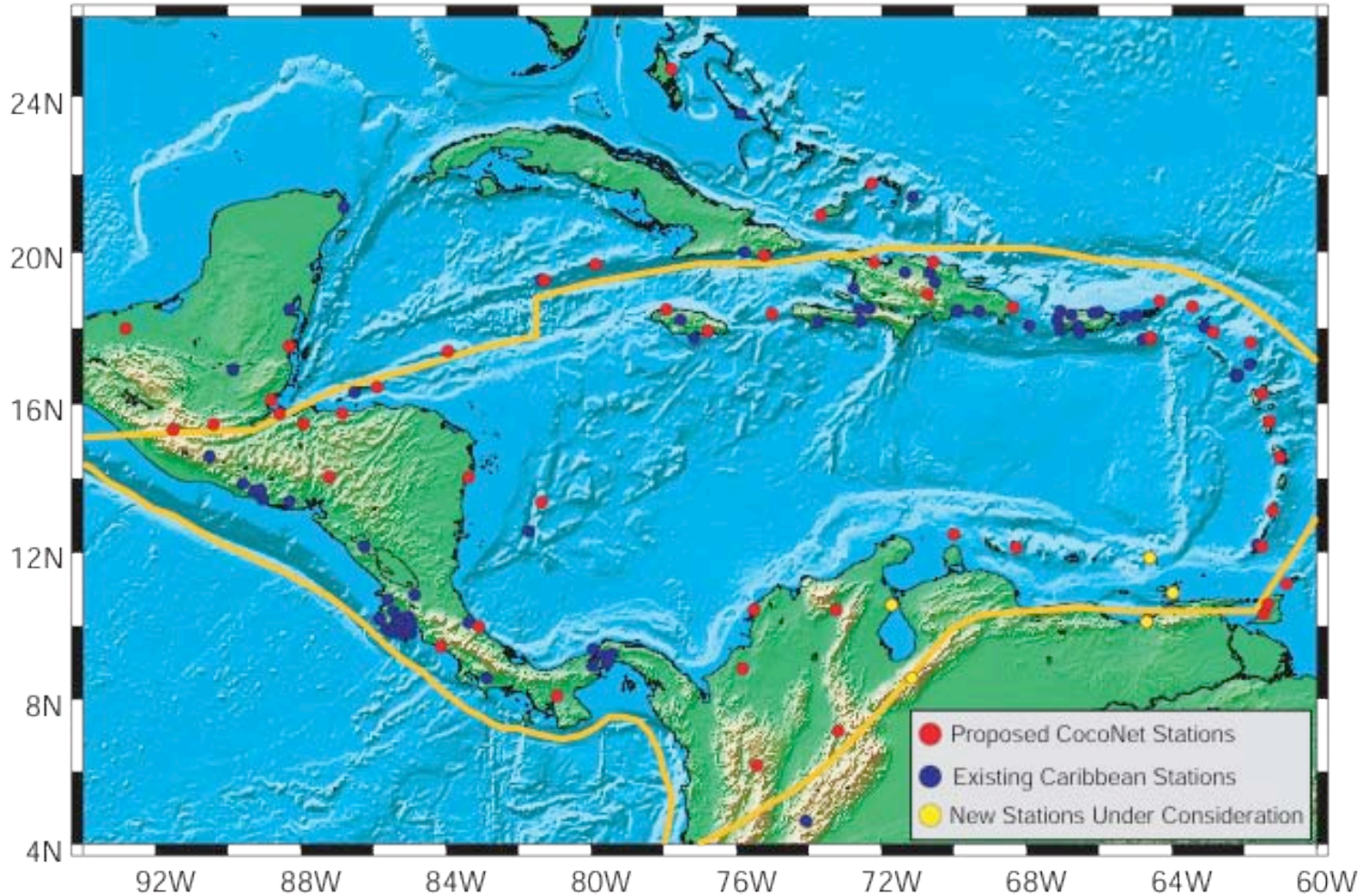
- cGNSS station
- Surface meteorology station
- Geodetic quality monument
- Robust power system
- Communications infrastructure (cellular, satellite, local ISP)
- PBO-style data products (raw data, daily positions, linear velocities)
- Real-time positioning (10 sites)
- Atmospheric data products (PW, Ps, T, RH, u and v winds, precip)
- **All data will be available for free and open dissemination**



P482 (LakHenshawCS2004)



# Proposed COCONet Stations





# TLALOC net



***TLALOC-Net*** – a next-generation, multi-sensor atmospheric and GPS array for hazards, weather, climate, and earthquake monitoring, forecasting and research in the Americas



