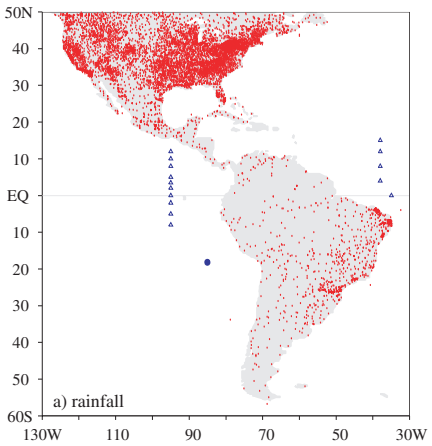


daily raingauges (dots)

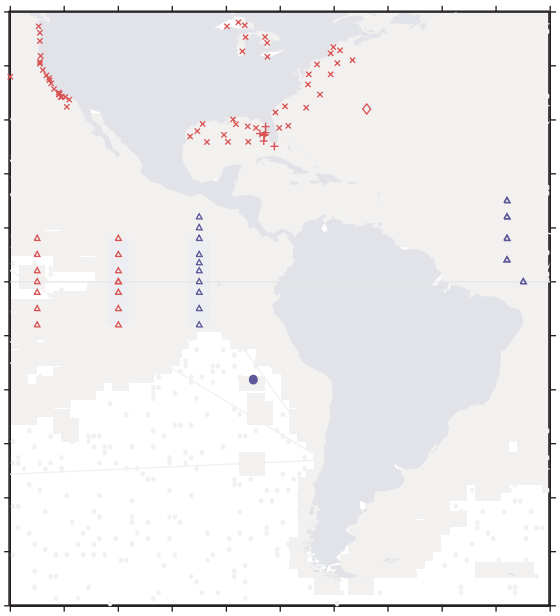
TRMM ATLAS (not shown)

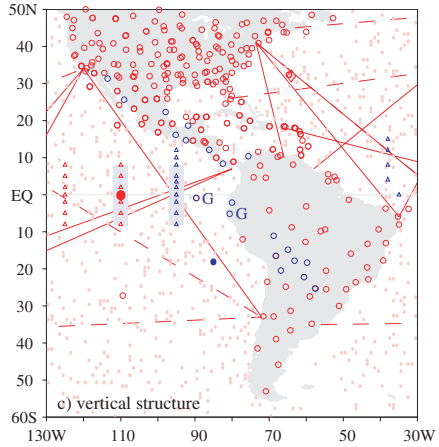
satellite estimates (not shown)

CLIVAR enhanced monitoring activites are in blue:

enhanced ATLAS (triangles)

IMET (dot)





Raobs (circles)

ATLAS (triangles)

current meter (dot)

Ocean Station S (diamond)

satellite estimates (not shown)

ARGO (dots over oceans)

VOS (solid and dashed lines)

CLIVAR enhanced monitoring activities are indicated in blue:

SONET (circles)

enhanced ATLAS (triangles)

aeronomy laboratory profiler (G)

TAO tender enhanced monitoring (shaded rectangles)

IMET (dot)

Figure 43. Existing and proposed elements of the climate observing system that are of importance to US CLIVAR Pan American research. Shown schematically are (a) existing rainfall observing stations, (b) locations of existing and proposed ocean surface temperature measurements, and (c) existing or proposed locations for vertical profile observations of the atmospheric and oceanic state. Red symbols indicate operational and quasi-operational observations; blue symbols indicate US CLIVAR-enhanced climate monitoring observations.