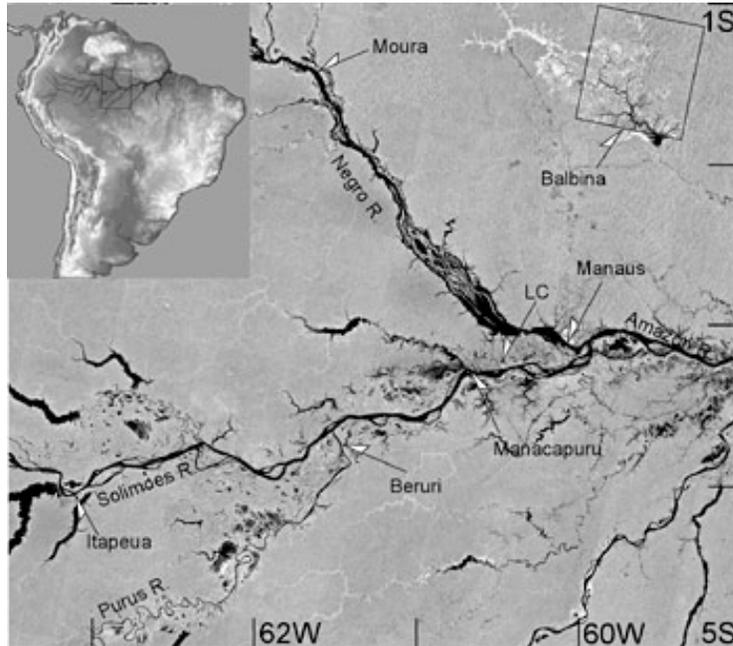
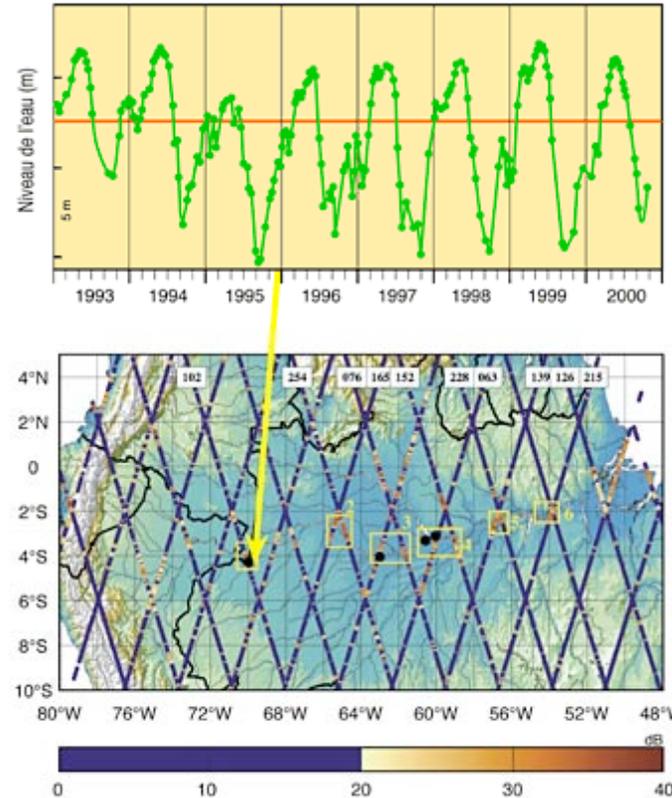


Amazon River level variation



Radar mapping of the Amazon basin (credit D. Alsdorf, UCLA)



Water level variations since 1993 on the upper part of the Amazon, over the Topex/Poseidon ground track #102 (upper). Yellow and red indicate flooded regions, where the altimeter radar beam is well reflected (lower). (Credits Legos)

(Cazanave, et al)

Satellite altimetry is used to measure river level variations in areas historically difficult to reach due to large distances, limited access, and low population density (and therefore limited infrastructure) as the Amazon river basin in Brazil.