Flood mapping

Permanently flooded areas:
situation during low water stage.
(1) +(6)

Permanently and temporarily flooded areas:
situation during high water stage.
(1) +(2)+(5)+(6)+(7)+(8)
Synergy with altimetry and in-situ gauges

⇒ Identification of 88 useful Topex/Poseidon virtual stations

⇒ Use of 8 in-situ gauge stations

⇒ Mapping water level for low and high water stages

- Topex/Poseidon virtual station
- In-situ referenced gauge station
Hydrological cycle by radar altimetry

Branco river floodplain
-61.9°<long<-61.85°
-0.68°<lat<-0.62°

Negro river near Manaus
-59.98°<long<-59.93°
-3.21°<lat<-3.16°
Synergy with altimetry and in-situ gauges

Water Level Difference

Low Stage
4) **Zones inondées**, variations spatio-temporelles des surfaces, hauteur d'eau, volumes, F. Frappart, J-M. Martinez, F. Seyler