ARGO floats and thermistor chain drifters are used to examine the changes of upper ocean structure after the passage of typhoons Jangmi and Hagupit observed during TPARC. The TCS08 ARGO results are part of the database constructed as part of this project and containing the measurements from about 550,000 profiles coinciding with the best track data for the tropical cyclones from 1998 to 2008. This database is available on public domain (http://dryfter.wikidot.com).

Argo data for Jangmi and Hagupit indicate the deepening and cooling of the mixed layer after the storm passage. Right after the storm, the increase of salinity (probably related to the effect of mixing) is observed. In the subsequent days precipitation causes decrease of salinity in upper (about 30 m) layer. The stronger ocean response on the right side of the cyclone trajectory can be also observed. The thermistor chain drifter observations show very clear cooling of the mixed layer after the passage of the storm, which is accompanied by inertial oscillation with the amplitude reaching in same cases 10 m (Fig. 1).

![Temperature profile](image)

*Fig. 1 SST changes observed by the drifter 41673 during the passage of the typhoon Jangmi.*