

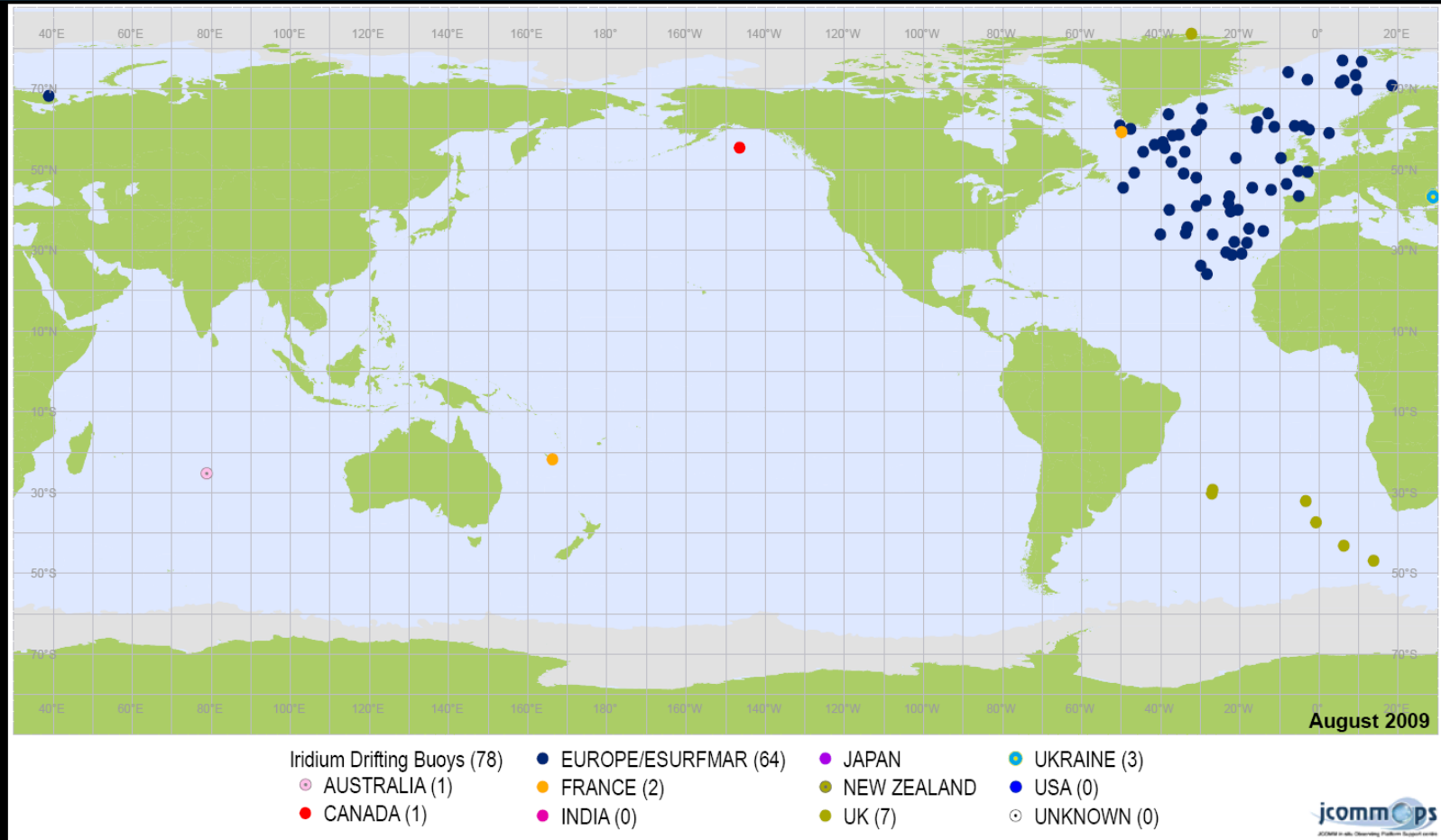


## DBCP Iridium Pilot Project

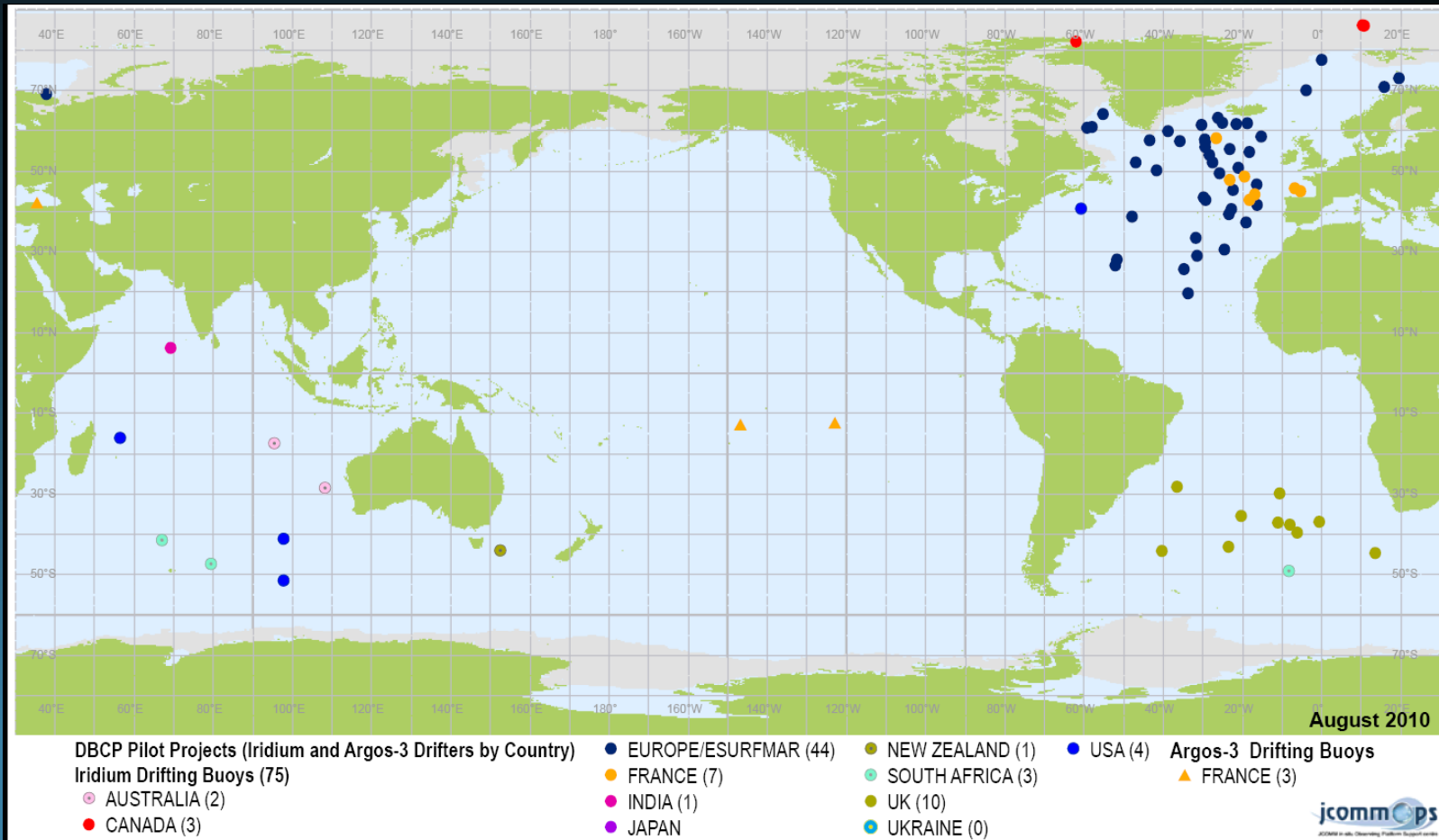
An update

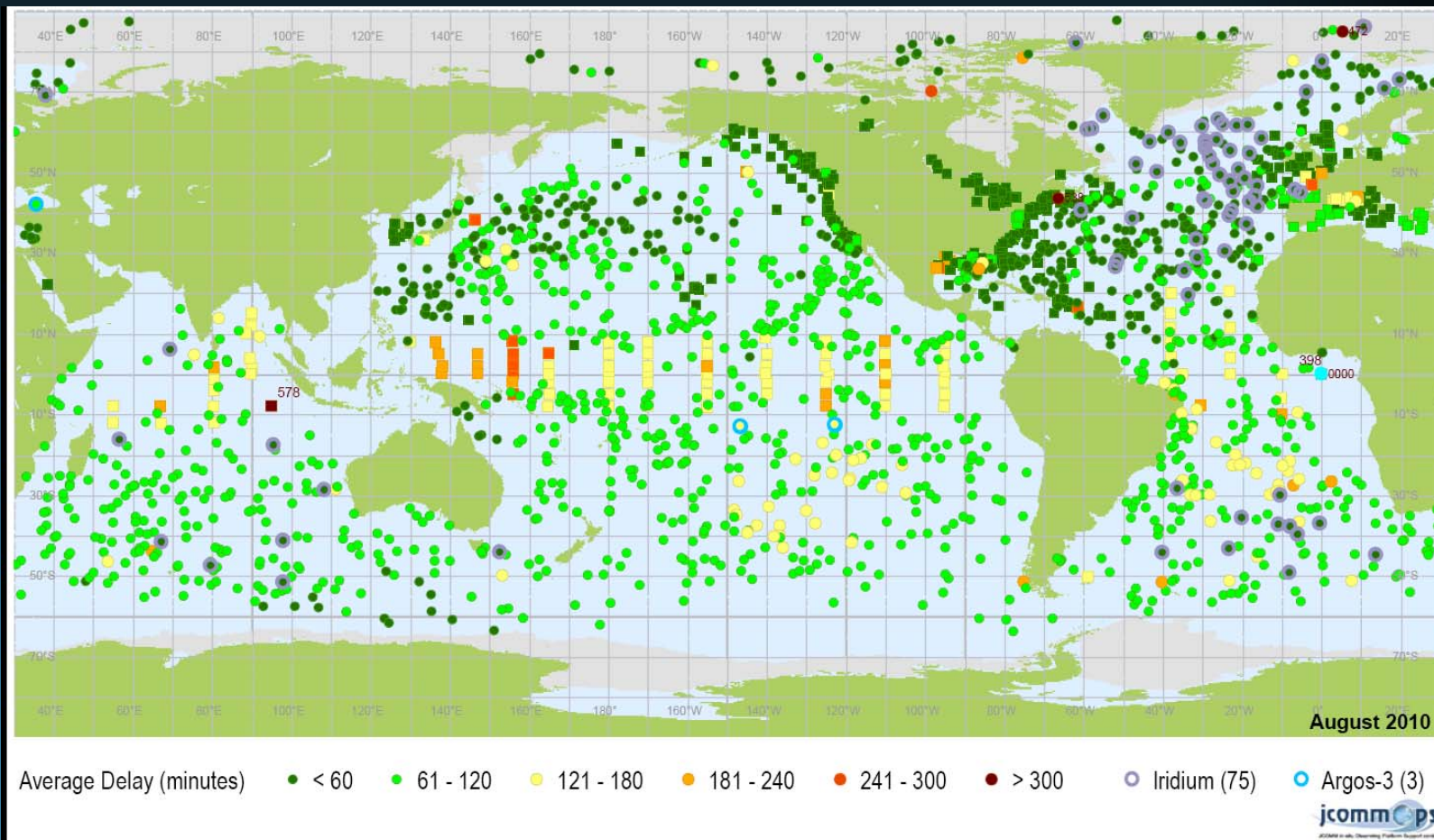


- DBCP no longer funding any Pilot Project deployments
- Residual (\$15k) funds paying for Iridium upgrades to ESURFMAR SVPBs for deployment in areas that traditionally suffer from large Argos GTS delays
  - Delays > 120 mins
  - Blind orbits and no LUT coverage (S Atlantic and S Pacific)
  - LUT reliability
- ESURFMAR now exclusively using Iridium for SVPBs
- Pilot Project now entering analysis phase
- Some funds will be needed to pay for airtime for surviving SVPBs

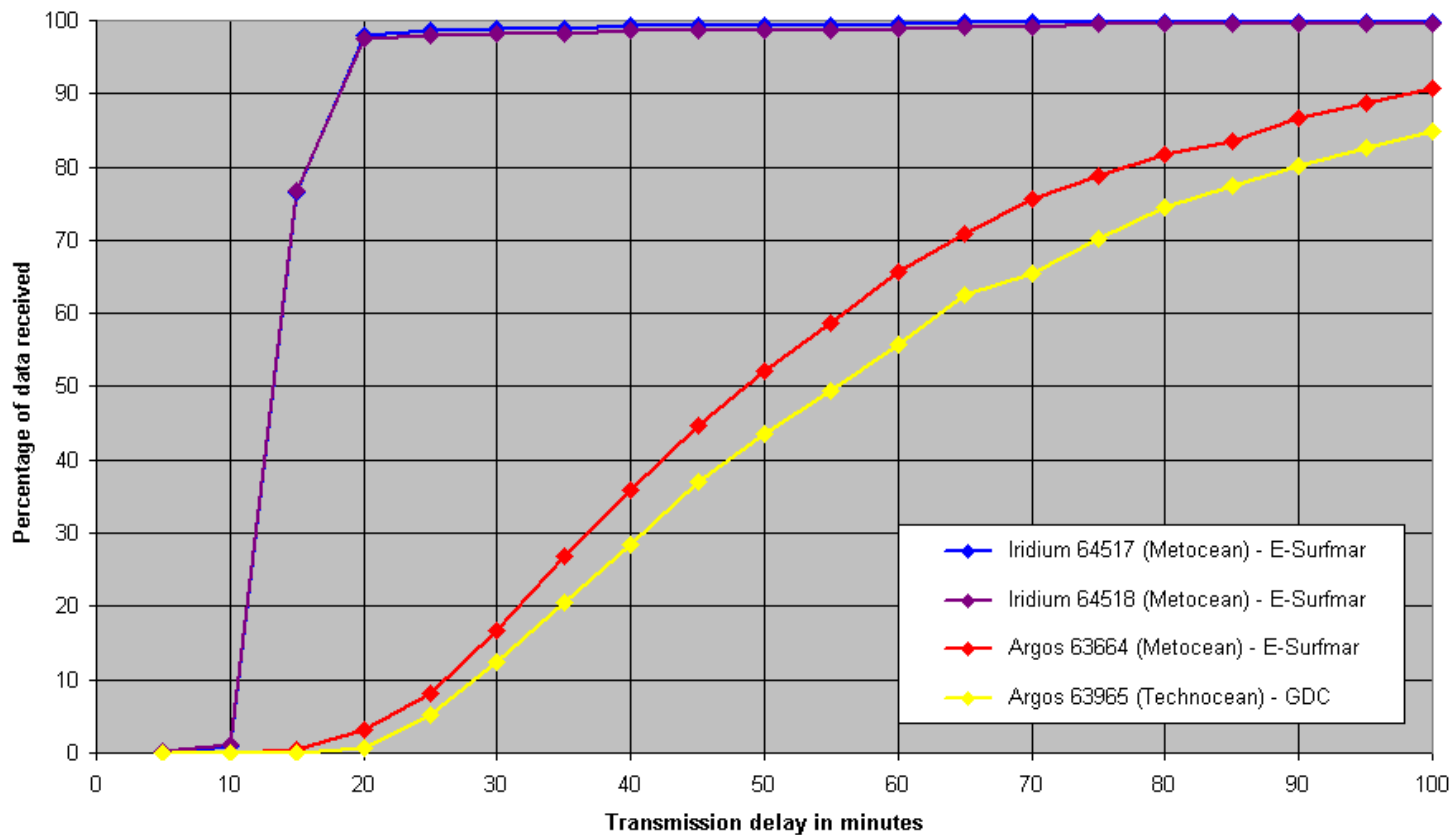


# Iridium (and Argos-3) buoys: Aug 2010



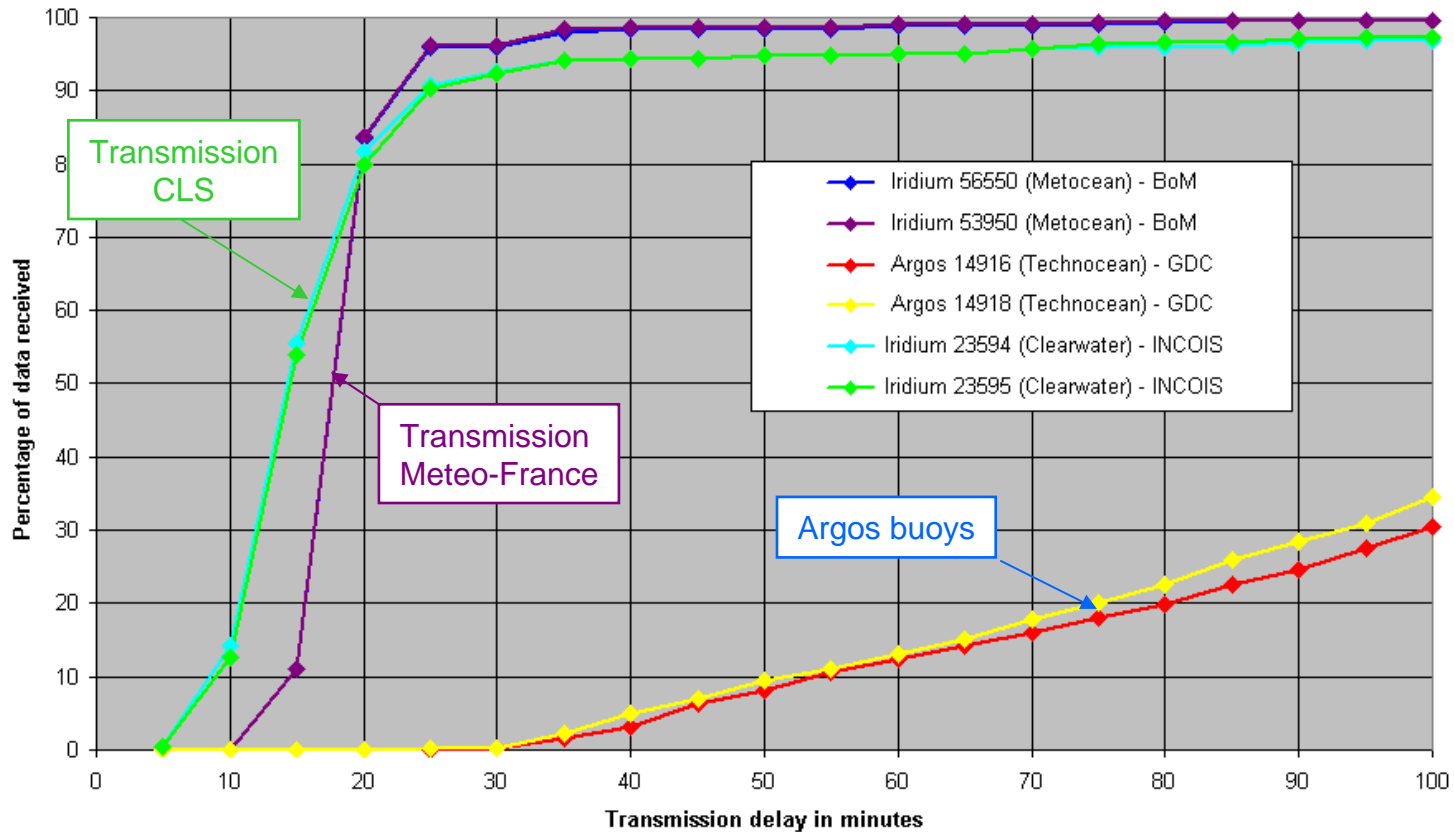


Transmission delays (September 2008) - North Atlantic  
30 days of comparison between Iridium and Argos data transmissions

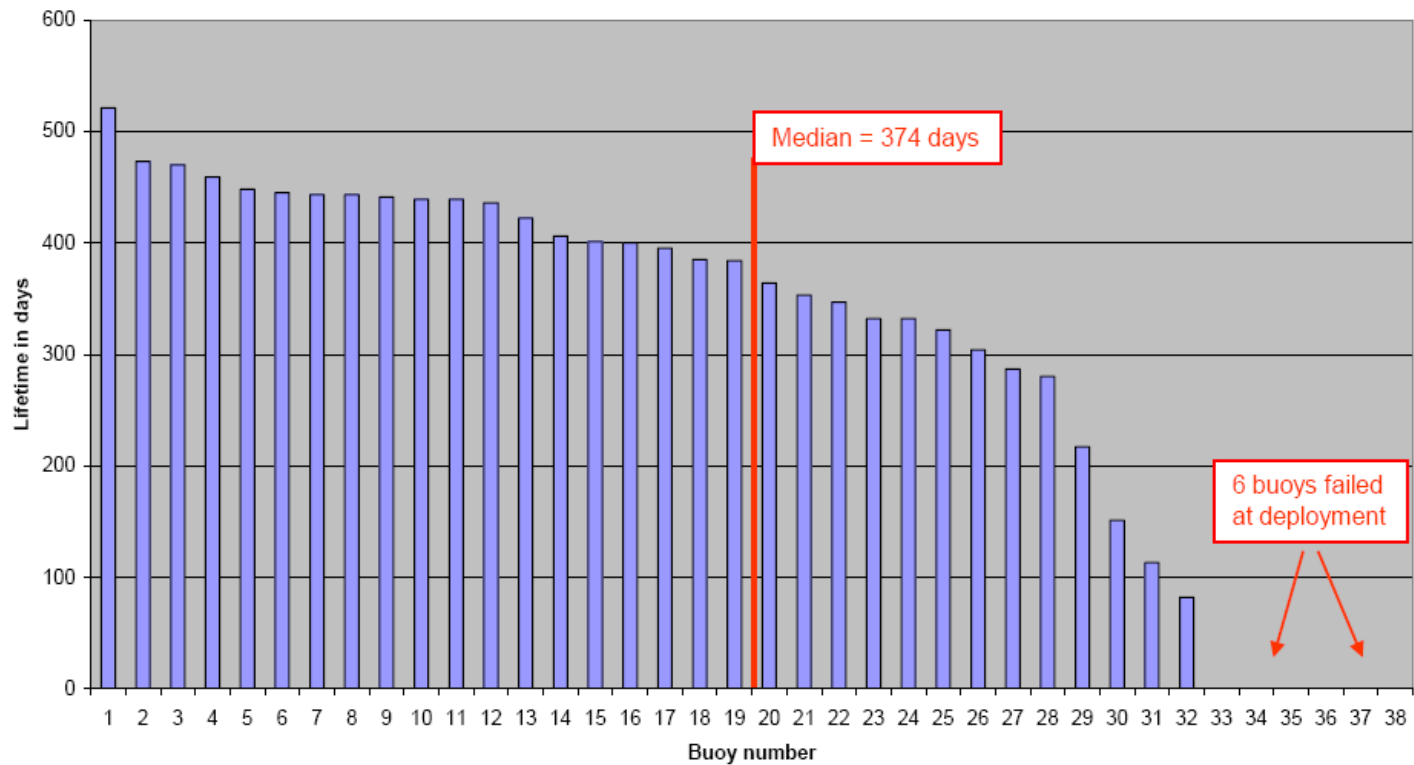


# Delays for two different GTS insertion agencies

Transmission delays (September 2008) - **Tropical Indian**  
30 days of comparison between Iridium and Argos data transmissions

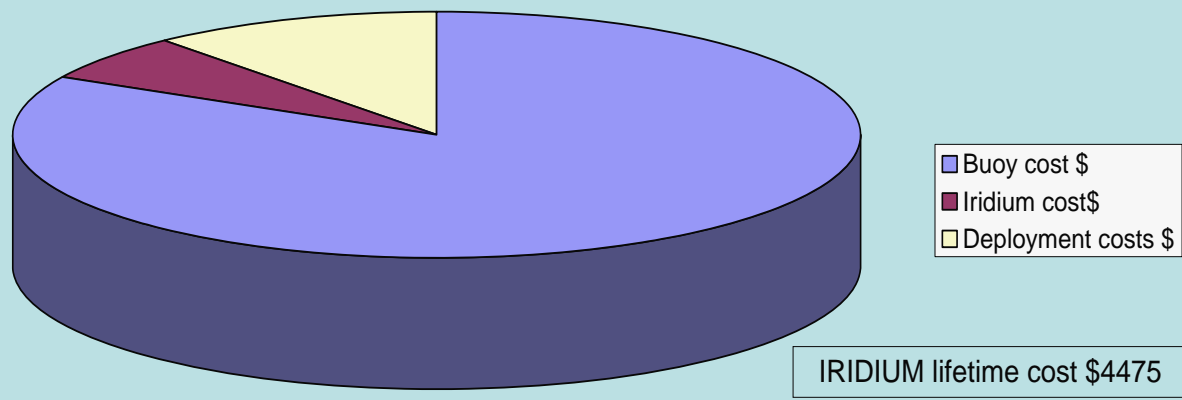
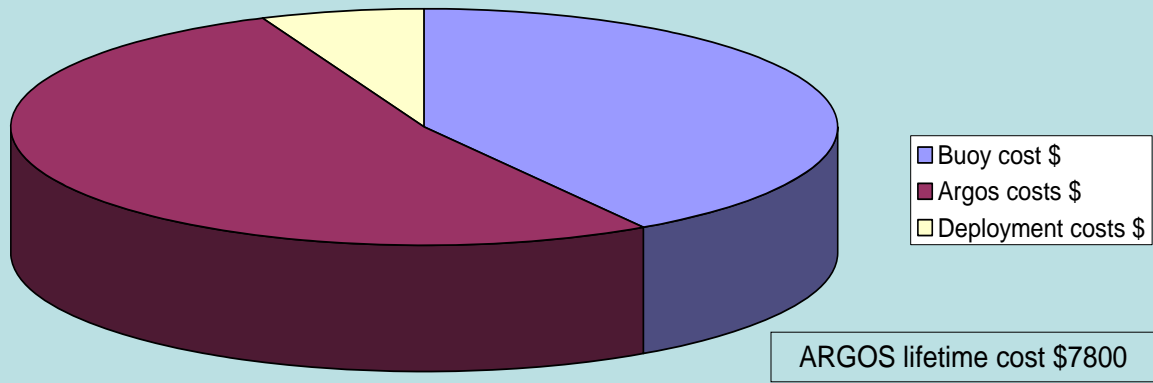


Iridium SVP-B lifetimes - 38 operational E-SURFMAR buoys  
which stopped transmitting (out of 100 deployed)



*NB : These buoys had no GPS*





- Timeliness
  - Performance has already been proven
- Lifetimes
  - Still room for improvement through proper power management of GPS receiver, etc
- Global tests
  - Global coverage has not been achieved
- Demonstration of value of money and overall costs
  - Under analysis
- System management and QC
  - Now have multiple agencies inserting data on to the GTS
  - A worry!
- Development of best practices for Iridium drifters
  - All five drifter manufacturers now producing Iridium SVP-Bs
  - Collective experience should lead to publication of a best practice manual
  - Action for DBCP Exec!