Inventory of available *in situ* data sets
- NCEP GTS (NRT, 1991 - pr, No QC)
- ICOADS (1980s-2009, QCed)
- FNMOC (NRT, 1998 - pr, QCed)

Development of advanced QC for satellite *Cal/Val* applications
- Preprocessing and cleaning
- Duplicate Removal, Travel-Speed Check, SST-Gradient Check
- Bayesian methods for Reference Check and Cross-platform Check

*iQuam* – online monitoring *in situ* SSTs
- Provide QCed NCEP *in situ* data on FTP
- Global maps, statistics, time-series of Nobs/Bias/SD wrt Reynolds
- Individual platforms: Statistics, track map, SST anomalies, performance history
- Feedback to QC system: platform blacklist, *a priori* information…

http://www.star.nesdis.noaa.gov/sod/sst/iquam/