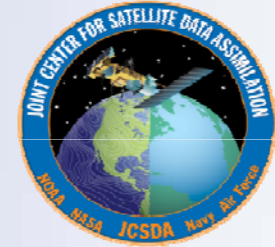# JCSDA Road Map (2009-2016)

Mission:

To accelerate and improve the quantitative use of research and operational satellite data in weather, ocean, climate and environmental analysis and prediction systems.

POES N18/N19 (AMSU, MHS), DMSP, MetOp-A (AMSU, MHS), COSMIC, GOES-O-P, JASON

POES (AVHRR), AIRS, MODIS, Jason-2

GOME, FY3, GOSAT, OceanSAT-2, SMOS

MetOp-B (AMSU, MHS)

MetOp-B (IASI, ASCAT, AVHRR), NPP (ATMS, CrIS, VIIRS)

Aquarius, MSG-3, ADM, SMAP, GCOM-W, Jason-3, GPM

Science Priorities

- **Radiative transfer modeling**
- **Preparation for assimilation of data from new instruments**
- **Assimilation of humidity, clouds and precipitation observations**
- **Assimilation of land surface observations**
- **Assimilation of ocean surface observations**
- **Atmospheric composition, chemistry and aerosol**

GOES-R, MetOp-C (AMSU, MHS)

MetOp-C (IASI, ASCAT, AVHRR)

NPOESS (CrIS, ATMS, VIIRS), OMPS, COSMIC Follow-on

Funding Status:

Fully Funded

Partially Funded

Unfunded

Current   **Near-Term**   **Long-Term**