MILESTONES COMPLETED IN FY 2009

Between October 1, 2008 and September 30, 2009, STAR completed the milestones listed in the table below. These milestones were reported for the NOAA programs in which STAR participates: Satellite Services (SSV; under Mission Support – Satellites), the Environmental Modeling Program (EMP; under Climate – Modeling and Observing Infrastructure), Ocean Remote Sensing (ORS; under Weather and Water – Science and Technology Infusion), and Ecosystem Observations (ECO; under Ecosystems).

Milestone	Quarter	Program
ANNUAL OPERATING PLAN MILESTONES		
Develop Community Radiative Transfer Model for NOAA N', and DMSP F-18	1	SSV
Transition MTSAT-1R Geostationary Atmospheric Motion Winds Product to Operations*	1	SSV
Submit the GOES and Meteosat Second Generation (MSG) data to NCEP	2	EMP
Conduct MOBY technology refresh PDR*	2	ORS
Post MODIS ocean color data to Thematic Realtime Environmental Distributed Data Services (THREDDS)	2	ORS
Implement operational MERIS Chlorophyll -a products and post to CoastWatch website for CoastWatch Regions	2	ORS
Develop annual report on sea level budget	2	SSV
Transition DMSP F18 products to operations	2	SSV
Transition Full-Disk GOES Surface and Insolation Product System to Operations*	2	SSV
Transition GOES-W biomass burning emission products to operations	2	SSV
Transition MIRS Version 4 products for AMSU/MHS and SSMIS	2	SSV
Transition MERIS ocean color chlorophyll products to operations	2	SSV
Conduct capacity-building climate change workshops for coral reef managers	3	ECO
Update land surface emissivity models in CRTM	3	EMP
Conduct critical design review (CDR) for operational SAR Marine Products System	3	ORS
Complete NOAA N' Calibration / Validation and product checkout*	3	SSV
Update Operational Microwave Integrated Retrieval Software System for SSI data	3	SSV
Develop experimental 50-km product suite for coral bleaching	4	ECO
Demonstrate the impacts of Metop-A Global Navigation Satellite System (GNSS) Receiver for Atmospheric Sounding (GRAS) in GFS	4	EMP
Demonstrate the impacts of NOAA-N' Microwave and Infrared Sounder Data in GFS	4	EMP
Complete initial phase of VIIRS ocean color readiness*	4	ORS
Publish web page for NRT QC and monitoring cross-platform consistency of AVHRR Clear-Sky Radiances over Oceans.	4	ORS
Develop near realtime JASON-2 products for hurricane intensity and marine forecasting	4	SSV
Complete NPP CrIS / ATMS data assimilation in GFS	4	SSV
Develop Community Radiative Transfer Model for NPP	4	SSV

Develop annual quality assessment report on NOAA JASON-2 data products	4	SSV
Calibrate / validate 30 operational sensors to required accuracy	4	SSV
Develop 2 satellite training modules and provide 40 hours of teletraining	4	SSV
Evaluate impacts of SEVERI Total Column Ozone on WRF-CHEM air quality forecasts*	4	SSV
Transition (deliver) combined Terra/Aqua MODIS polar winds product to operations	4	SSV
Transition (deliver) JASON-2 production system to operations	4	SSV
NESDIS MONTHLY MILESTONES (also includes items with * from above)		
Convene workshop on historical AVHRR reflectance calibration	1	EMP
Complete Mission Operations Review of CrIS / ATMS EDR Calibration / Validation Plan	1	SSV
Deliver 3-Year Calibration / Validation Plan for OMPS EDR to the IPO	1	SSV
Complete process of Cooperative Institute for Satellite Climate Studies selection	3	SSV
Deliver Option 1 Version 1 Algorithm Theoretical Basis Documents (80% product accuracy) and algorithm packages to the GOES Ground Segment Project Office	4	SSV
INTERNAL MILESTONES		
Establish GSICS routine inter-calibration of AIRS and IASI	1	SSV
Develop GOES sounder severe weather nearcast product	2	EMP
Develop improved precipitation analyses using satellites and reanalysis	2	EMP
Develop GOES-R rainfall rate algorithm, Version 2	2	SSV
Transition blended total precipitable water products to operations	2	SSV
Develop updated operational SHIPS hurricane intensity forecast model	3	EMP
Perform SNO bias analysis between MSU and AMSU	3	SSV
Distribute experimental GOES-R products in AWIPS format to NWS	3	SSV
Develop web page for near realtime quality control, calibration / validation, and monitoring of cross-platform consistency of AVHRR clear-sky radiances	3	SSV
Perform ensemble Kalman filter data assimilation of global soil moisture into NCEP NOAH	4	EMP
Extend AIRS global monthly carbon trace gas maps	4	EMP
Develop blended global soil moisture product	4	SSV
Develop convective-stratiform rainfall algorithm	4	SSV
Transition NOAA-N' products to operations	4	SSV
Develop bias correction methods for NOAA-15 and NOAA-16 AMSU-A	4	SSV
Develop GSICS GEO-LEO solar channel intercalibration algorithm	4	SSV