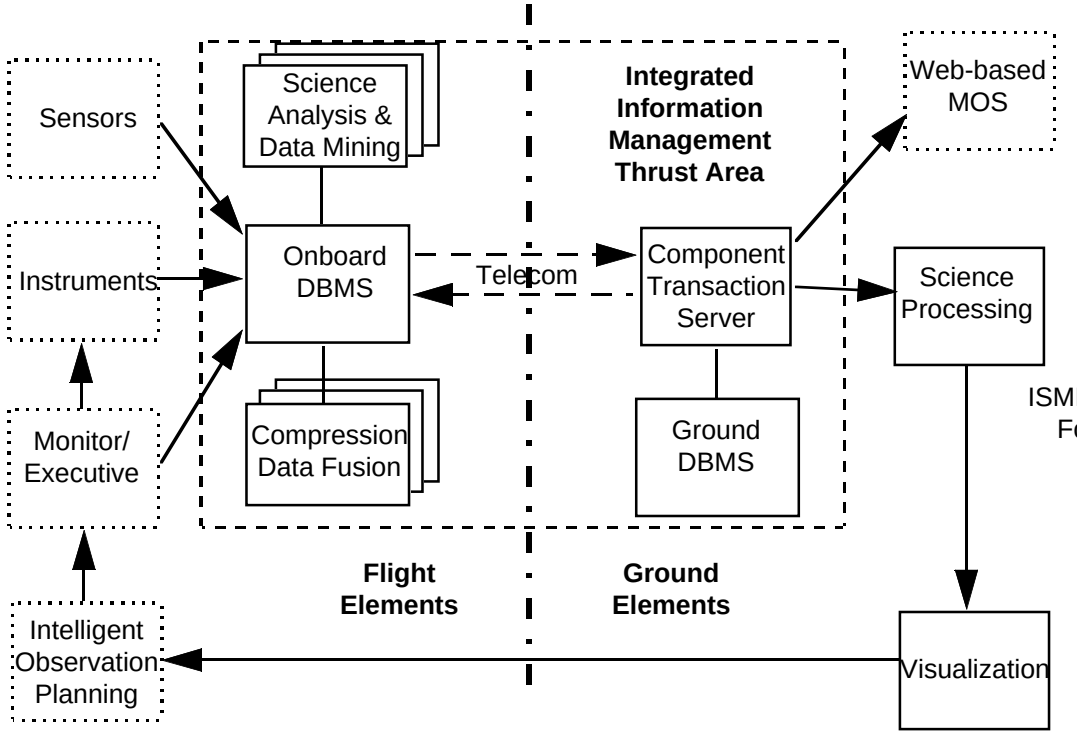
TELECOMMUNICATIONS AND MISSION OPERATIONS DIRECTORATE

Science Processing and Information Management

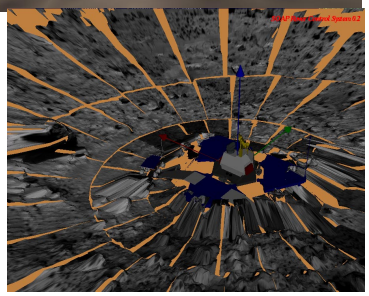
Science Data Loop



Overall Objective - To provide tools and infrastructure to close the loop from onboard instrument to the scientist to the mission operator for rapid mission planning, including onboard processing to maximize the value of returned science data and processing and visualization tools to deliver maximum information to the scientist.

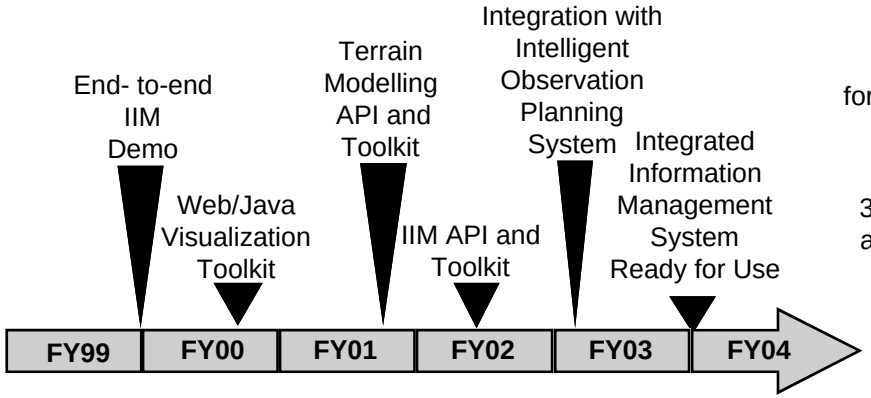
ISMME - Interferometry Support Software For Keck, Palomar Testbed, and SIM

SUMMITT - Terrain Modelling and Unification of Multimission Terrain Datasets



JADE - the Java Advanced Display Environment for distributed image processing and analysis tasks

Java Dview - a distributed tool for 3D model visualization based on Dview, a tool used for simulation and modelling for several projects



High-Level Timeline