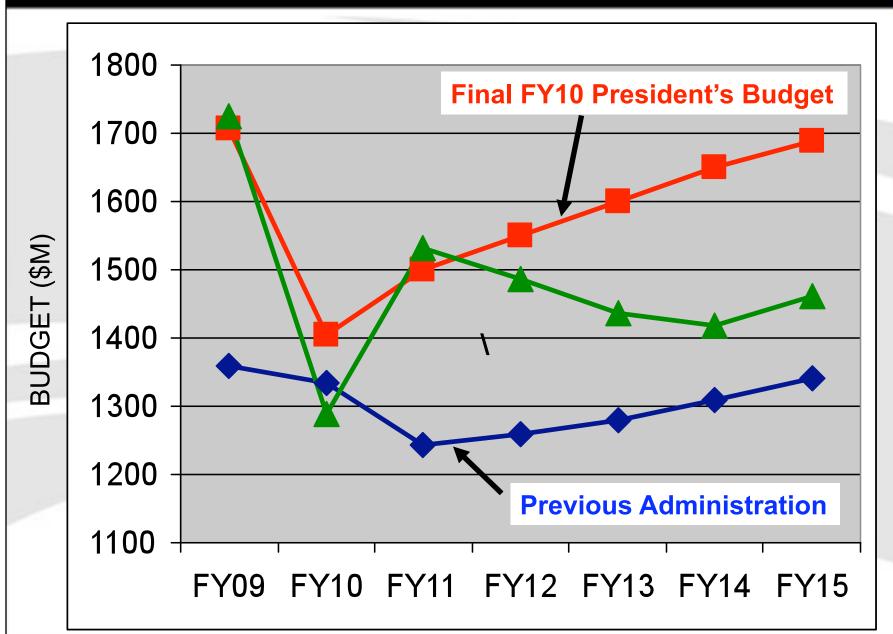


ESD BUDGET MARKS: "FINAL" FY10





NASA Operating Missions – End of CY2009

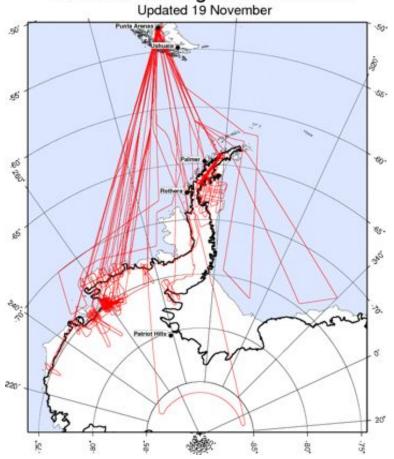




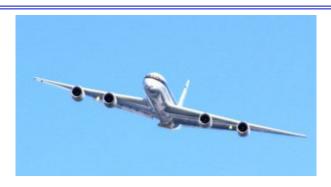


Antarctic ICEBRIDGE Status and Results-1

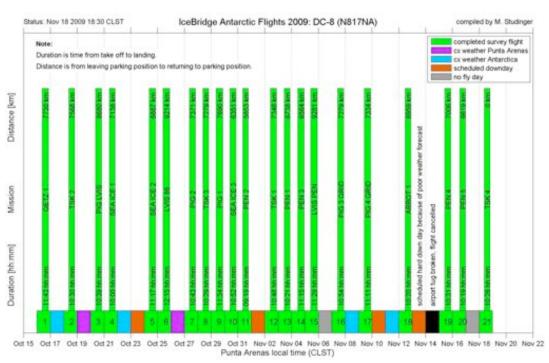
Fall 2009 IceBridge Missions Flown



Lines represent 21 missions, or 227.4 flight hours, or 83,858 nautical miles, or 96,564 statute miles, or 155,137 km flown (about 4 times around the Earth at the equator). Excellent planning by Ames and Goddard-Wallops allowed for extra missions to be flown.

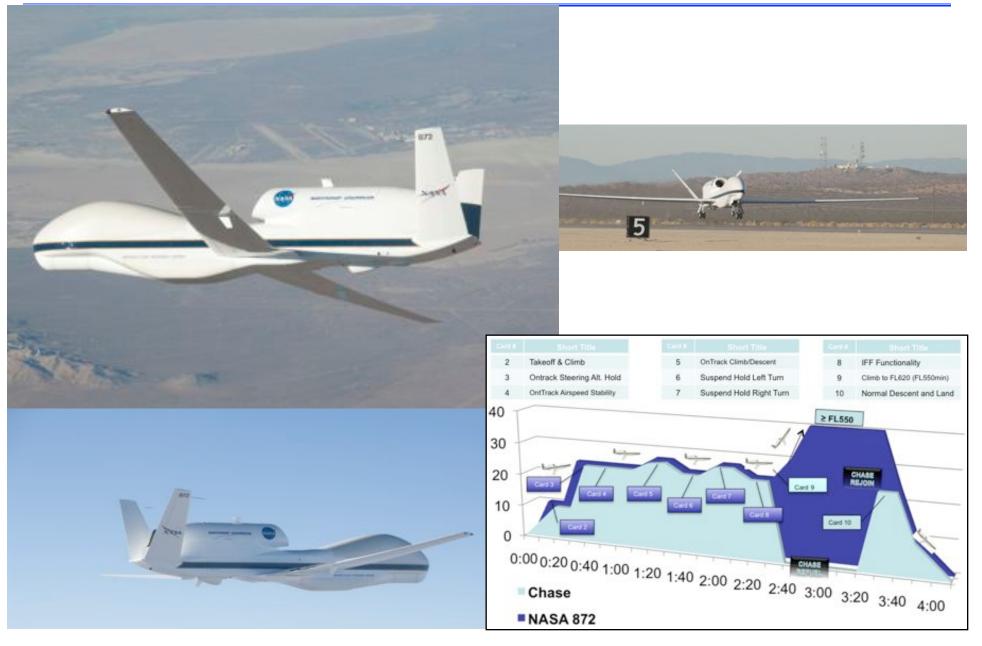


DC-8 over Palmer Station (courtesy Jon Brack)





NASA Global Hawk First Flight

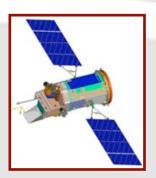


Missions in Formulation and Implementation – 12/2009





OCO-reflight 2/2009 ???



GLORY 6-9/2009 11/2010



AQUARIUS 5/2010 12/2010 (Partner)



NPP Late 2010? NET 9/2011 (Partner)



ICESat-II 2014-2015 2015-2016



SMAP 3/2013 2015



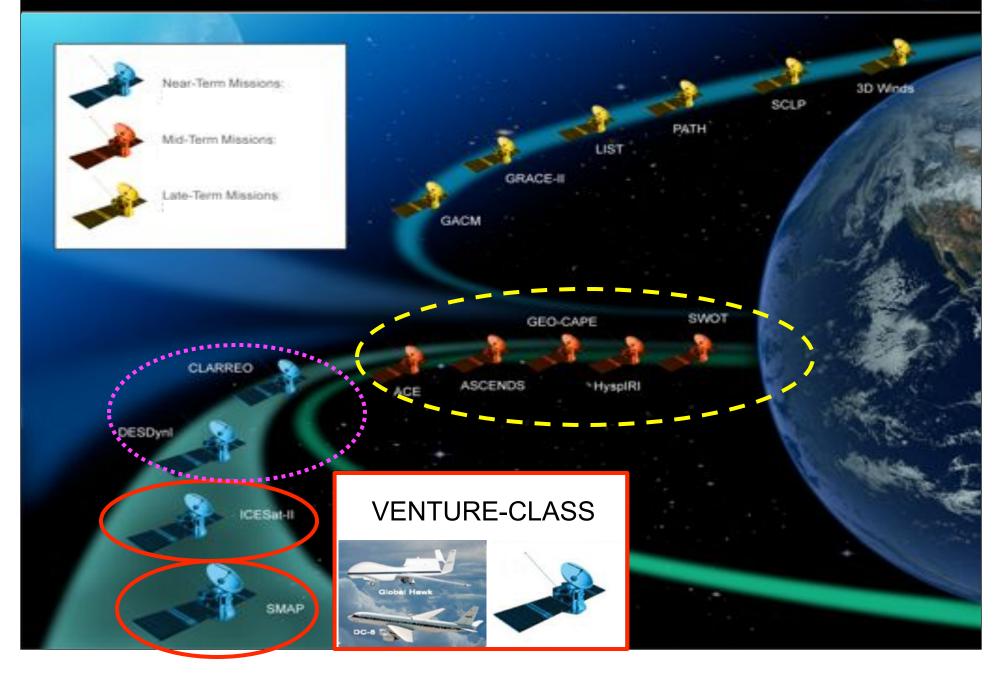
GPM 7/2013, 11/2014



LDCM 12/2012 with TIRS

Decadal Survey Missions Next Generation





Venture Class – ESD Objectives



- ESD considers establishment and sustained, successful implementation of Venture-class to be a "Tier-1" priority from the Decadal Survey
 - Advances science/applications and promotes community involvement through frequent, regular proposal opportunities
 - Ensures overall program scientific flexibility and responsiveness through constrained development schedules
- ESD Venture-class characteristics
 - Science-driven, involving sustained (> seasonal) data acquisition
 - Technology development/demonstration are not sufficient justifications
 - Regular solicitations
 - Bi-annual minimum frequency accommodated in President's budget
 - Competitively selected
 - PI-led
 - Cost and schedule constrained
 - Explicit total cost caps per investigation defined in each solicitation
 - 5-year total investigation term (data acquisition and analyses) for suborbital investigations
 - 5-year development time-to-launch for space missions all investigation 8
 activities must be completed within nominal (typically 3-year) mission

Decadal Survey Missions Next Generation



