

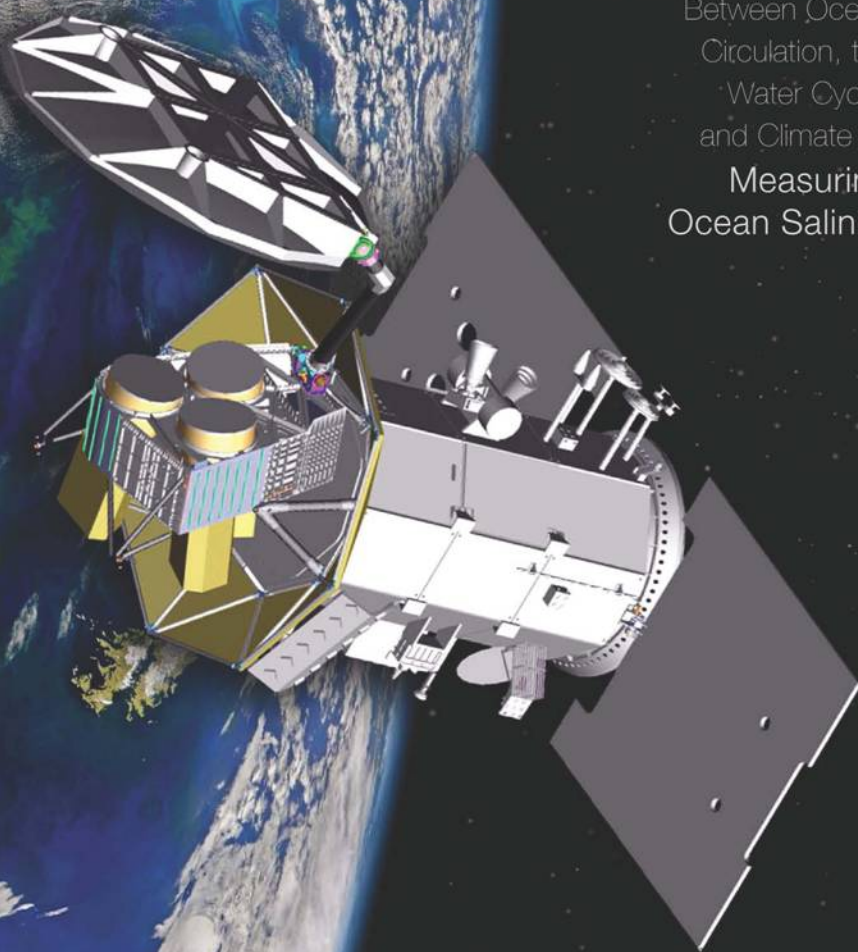
National Aeronautics and Space Administration

National Aeronautics and Space
Administration
Jet Propulsion Laboratory
California Institute of Technology



Aquarius Post Launch Cal/Val Workshop

Understanding
the Interaction
Between Ocean
Circulation, the
Water Cycle,
and Climate by
Measuring
Ocean Salinity



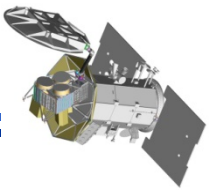
Aquarius/SAC-D

November 15-17, 2011

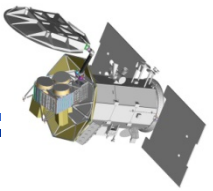
<http://aquarius.gsfc.nasa.gov>
<http://www.conae.gov.ar/satelites/sac-d.html>

www.nasa.gov

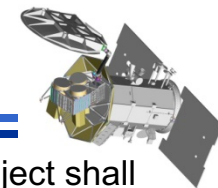
CONAE • GSFC • JPL



- Visitors:
- David LeVine (GSFC)
- Emmanuel Dinnat (GSFC/Chapman)
- Liang Hong (GSFC)
- Thomas J. Jackson (USDA)
- Rajat Bindlish (USDA)
- Linwood Jones (CFL)
- Roger Lang (GWU)
- Christopher Ruf (U Mich)
- Amanda Mims (U Mich)
- David Chen (U Mich)
- Gary Lagerloef (ESR)
- David Carey (ESR)
- Hsun-Ying Kao (ESR)
- Thomas Meissner (RSS)
- Frank Wentz (RSS)
- Paolo de Mattheaeis (GSFC)
- Fred Patt (GSFC)
- Joel Gales (GSFC)
- Jeff Piepmeier (GSFC)
- Peter Hacker (NASA HQ)
- Douglas Vandemark (UNH)
- JPLers:
- _Simon Yueh
- Yi Chao
- Wendy Tang
- Alex Fore
- Adam Freedman
- Gregory Neumann
- Sidharth Misra
- Jorge Vazquez
- Y Shen
- Amit Sen
- Dankai Liu
- Simon Collins
- Sab Kim
- Victor Zlotnicki

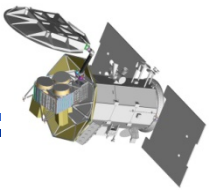


- Ryan Boyer (818-354-2133)
- Roxann Santo (818-393-6782)
- Patti Nieto (818-354-8513) – Wednesday and Thursday



- Requirement: No later than twelve (12) months after the end of the IOC period, the Aquarius Project shall deliver the first release of data products (containing at least six (6) months of data) to a NASA Distributed Active Archive Center (DAAC).
- OOCO (IOC): Ends in November 2011
- Cal/Val phase begins at the end of OOCO with a duration of 11 months
- Milestones and meetings:
 - Cal/val meetings: November 2011, Jan or Feb 2012
 - April 2012 – Aquarius/SACD science team meeting

	2011							2012						
	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	
OOCO		█												
Pointing and Time Tag Assessment				█										
Radiometric Cal Bias Removal				█										
RFI				█										
Rain Filtering						█								
Model Functions				█										
Reprocessing				█			█			█			█	
Error Assessment				█										



- Review the RFI mitigation algorithms and determine changes if needed
- Determine radiometer calibration algorithms for drift correction
- Review scatterometer calibration algorithm and determine changes if needed
- Review the geophysical correction algorithms and performance
- Establish documentation and code modification process
- Make decisions on the path toward v1.3 processing
 - Using the scatterometer wind
 - Wind direction modulation correction
 - TB correction using DR