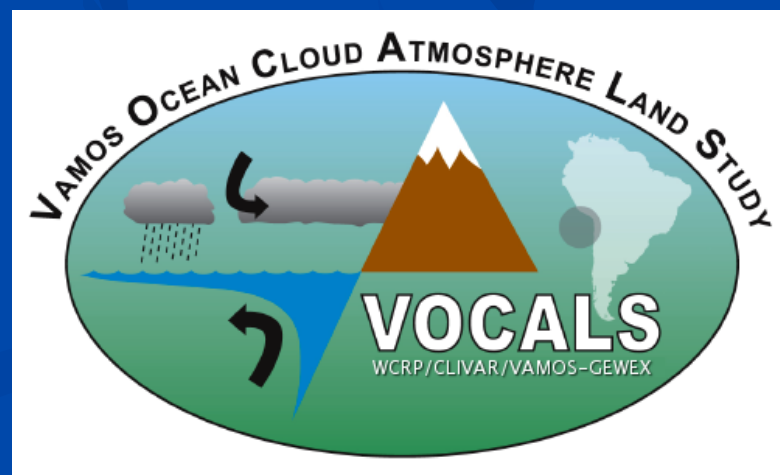


VOCALS: NSF Perspective

VMW1 – May 18, 2007

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- NSF perspective by program
- NSF/CLD interest in VOCALS
- Proposal/decision timeline
- Take-home message

NSF by program

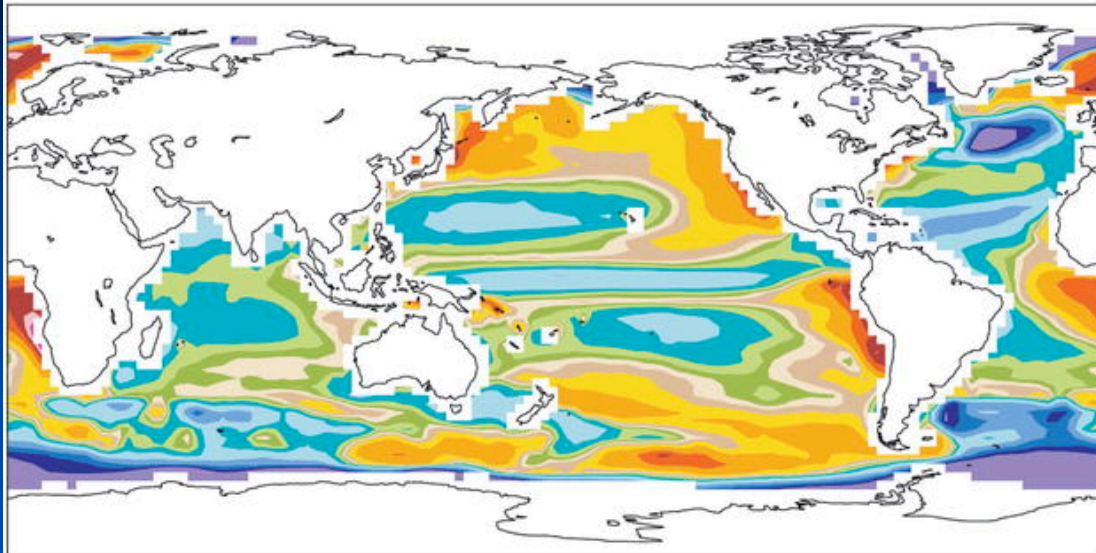
- Climate and Largescale Dynamics
 - Intends support - \$3-4 M over 4 years
- Atmospheric Chemistry
 - Interest, but no commitment, up to \$2+ M over 4 years
- Physical oceanography
 - Expecting requests for \$2-3 M over 4 years (2nd ship request?) – will fund based on reviews

CCSM2 - HadISST

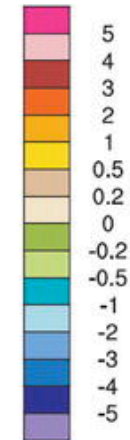
mean = -0.45

rmse = 2.02

C



Min = -18.17 Max = 6.33

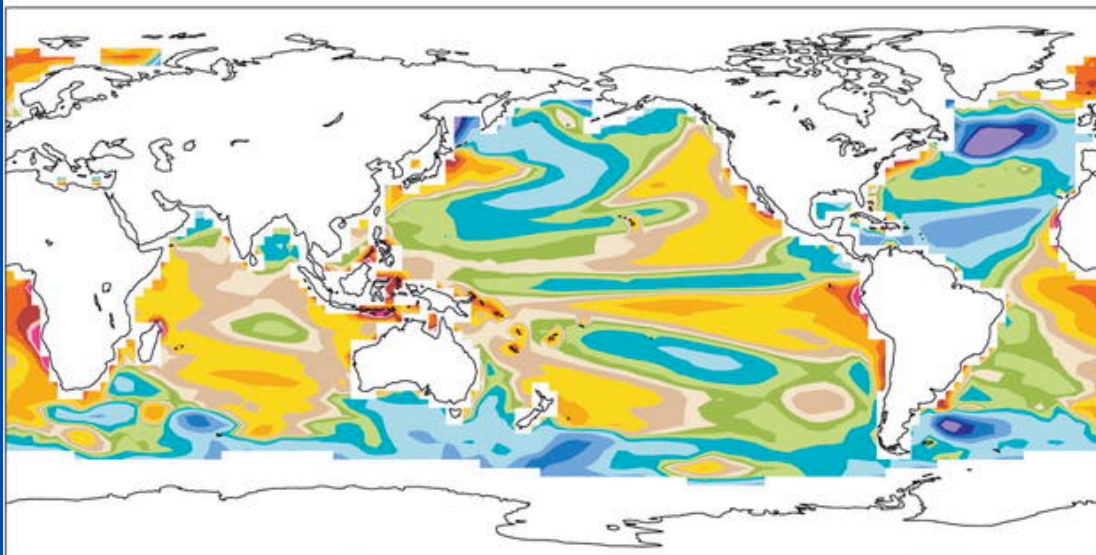


CCSM3 - HadISST

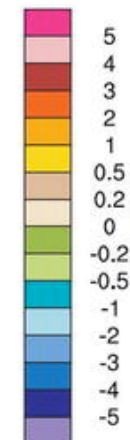
mean = 0.03

rmse = 1.53

C



Min = -9.26 Max = 13.47



CLD interest

- Southeast Pacific is a great science problem
 - Important coupling among components of the Earth system
 - Indirect aerosol effect in polluted and pristine air
- But *even* NSF does not invest \$1 M/yr in “just” cool science
- Programmatic interests:
 - Severe and persistent biases in climate models
 - Global impacts
 - El Niño
 - Earth radiation budget
 - Credibility of climate change projections

Review/decision timeline

- July 1: NSF facilities request submitted to EOL
- July 15: Investigator proposals submitted
 - NSF: CLD, ATC, OCE
 - NOAA: CPPA, ACC
 - Sent out for disciplinary *ad hoc* review
- Oct 15-16: Interagency review panel meets
 - Evaluates proposals in context of overall project
 - Holes? Duplication?
- Nov XX: OFAP evaluates facilities request
- Jan XX: Agency decisions
 - On go/no go for VOCALS
 - On funding for individual investigator projects

Take-home messages

- NSF/CLD intends to support VOCALS
 - Other NSF programs must be convinced
- *But* support depends upon
 - Proposals that review well individually
 - Proposals that review well in panel
 - Address key hypotheses
 - Move science towards meeting programmatic goals (i.e. better climate models)
- Strong 2-way connections between field measurements and modeling are essential