WELCOME TO

The 4th DYNAMO Planning Workshop

February 28 – March 2, 2011

RSMAS, University of Miami

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DYNAMO UPDATE

For the 4th DYNAMO Planning Workshop

February 28 – March 2, Miami, FL

– Completed Action Items from the CINDY2011 Workshop (November 2010)
– DYNAMO proposal review and funding
– Aircraft (NOAA P-3): 175 hr (105 research hrs), 45 days (Q. Wang)
– DYNAMO Project Office (J. Moore)
– 2nd site visit to Maldives (J. Moore)
– Site visit to Revelle (B. Brown)
– Draft of Operations Plans

Completed Action Items from the CINDY2011 Workshop in JAMSTEC

(8 – 10 November 2010)

2. AMF2 soundings – 1 per day using 350g or bigger balloons: *Chuck Long* – ***February 2011 – all AMF2 soundings will use 350g balloons.***

5. Sounding data from Indonesia – ***to be reported by Yoneyama***

9. Increase sounding at Nairobi, Kenya from 1/day – 2/day – *Kunio Yoneyama* – ***February 2011 – Done***

12. Meteosat data availability – *Jean-Philippe Duvel* – ***to be reported by Ramage***

15. Move the Revelle Pinkel cruise to follow the 2nd stationary cruise – *Jim Moum* – ***December 2010 – "Pinkel cruise" = Leg 4.***

16. Decide on the ship to pick the UK sea gliders and have a backup plan – *Kunio Yoneyama and ship PIs* – ***February 2011 – UK glider proposal is not funded (other funding source is being sought)***

21. Instrument intercomparison (ship-ship, ship-island) strategy – ***to be reported by Fairall***

25. A complete list of all participating forecast and research models – ***In the draft of Ops Plan***

29. Forecast/analysis products from high-resolution nested regional model – – ***In the draft of Ops Plan***

30. MJO forecast products for weekly webconferencing – *Chidong Zhang, Jon Gottschalck* – ***November 2010 – A plan has been drafted***

31. Dry run of MJO weekly forecast – *Chidong Zhang, Jon Gottschalck, Steve Williams* – ***November 2010 – started***

38. Virtual operations center – to be reported by Yoneyama

39. A draft of Operations Plan – *Jim Moore, Kunio Yoneyama, Chidong Zhang, Prasanna Kumar, Jean-Philippe Duvel* – ***February 2012 – an incomplete draft is available***

40. Joint (funding agencies, UCAR) new release – ***to be reported by Moore***

41. CINDY/DYNAMO logo – ***to be introduced at this meeting***

DYNAMO PIs

Team	PI	Project	Funding Agency
Ship (Revelle)	J. Moum (OSU)	Upper-ocean mixing	ONR, NSF
	R.-C. Lien (UW)	Moorings	NSF, NOAA
	R. Lumpkin (AOML)	Drifters	NOAA
	R. Pinkel (SIO)	μWW array	ONR
	J. Smith (SIO)	Equatorial mixing	NSF
	A. Gordon, C. Zappa (Lamont)	Waves	ONR
	C. Ohlmann (UCSB)	Radiation	NSF
	C. Fairall (ESRL)	Air-sea flux	NOAA
	J. Edson (UConn), S. de Szoeke (OSU)	Air-sea flux	ONR
	S. Rutledge (CSU)	TOGA radar	NSF, NASA
	T. Bates (PMEL)	Aerosol	NOAA
	A. Brewer (ESRL)	PBL	ONR
	R. Johnson (CSU)	Soundings	NSF
Radar	R. Houze (UW)	S-Polka (Gan)	NSF
	S. Rutledge (CSU)	TOGA radar (Revelle)	NSF, NASA
	C. Shumacher (Texas A&M)	SMART radar (Gan)	NSF, JAMSTEC
	C. Long (PNNL)	AMF2 (Gan)	DOE
Sounding	R. Johnson (CSU)	Revelle, Diego Garcia	NSF
	C. Long (PNNL)	Gan	DOE

DYNAMO PIs

Team	PI	Project	Funding Agency
Aircraft	Q. Wang (NPS), D. Khelif (UC-Irvine), Sh. Chen (UM)	Air-sea interaction	ONR
	Sh. Chen (UM), D. Jorgensen (NSSL), A. Vintzileos/J. Gattschalck (NCEP)	Deep convection	NOAA
	Q. Wang (NPS), Sh. Chen (UM)	Dropsonde	NSF
Modeling/Forecast	Z. Kuang (Harvard), A. Sobel (ColumbiaU), E. Maloney (CSU)	Global/regional WRF, SP-CAM	NSF
	T. Jones, D. Randall (CSU)	SP-FIM	NSF
	G. Zhang (SIO)	AGCM parameterization	NSF
	R. Neal (NCAR)	CAM5	NSF
	Su. Chen, M. Flateau (NRLMTR), T. Shinoda, T. Jensen (NRLSSC)	COAMPS/NCOM/SWAN	ONR
	Sh. Chen (UM)	Air-sea-wave	ONR
	A. Miller (SIO)	Regional/global coupling	ONR
	R. Murtugudde (UMd)	ROMS	ONR
	E. Skyllingstad, S. de Szoeke	LES	ONR
	J. Gottschalck (NCEP)	CFS forecast	NOAA
Support	C. Zhang (UM)	Data collection and analysis	NSF
	J. Moore (EOL)	Project Office	NSF, etc.

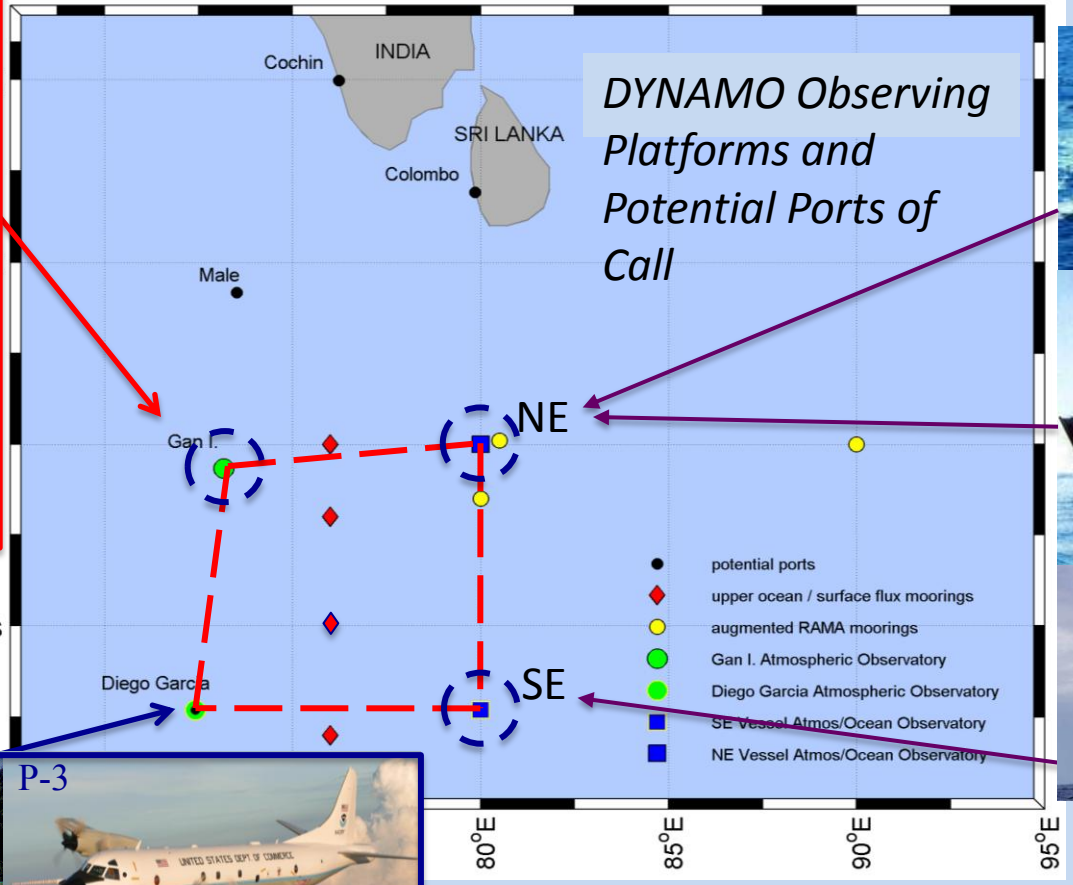
DYNAMO/CINDY Experimental Design (2011)

Falcon

S-PolKa

SMART-R

AMF2



DYNAMO Observing Platforms and Potential Ports of Call

R/V R. Revelle

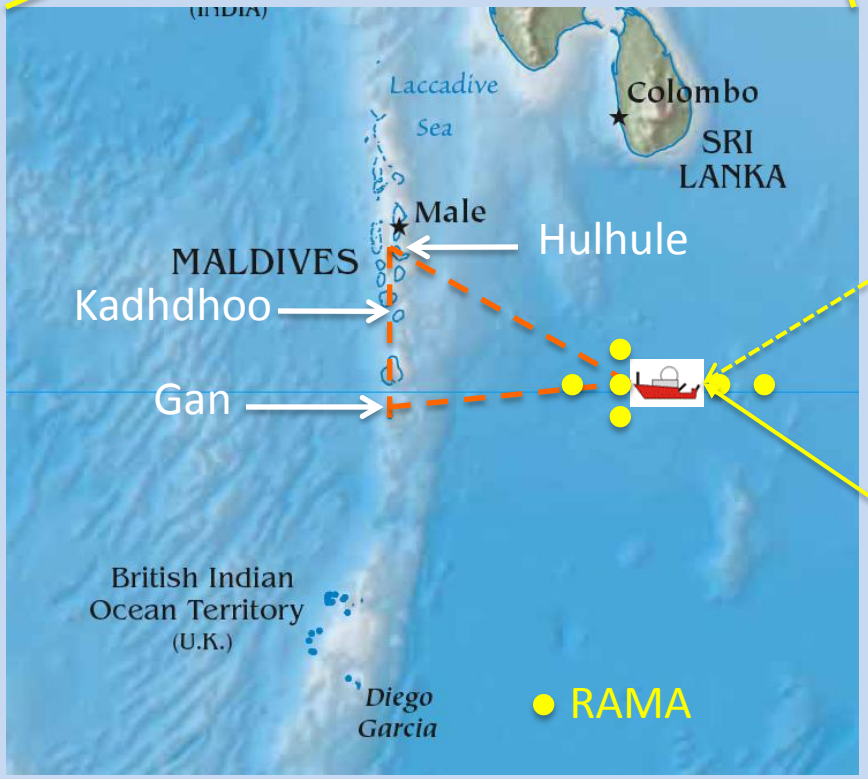
R/V S. Kanya

R/V MIRAI

ISS

P-3

DYNAMO/CINDY Experimental Design (2008)



R/V Ron Brown

R/V MIRAI