

## Chapter 2: General operations strategy

1. Working group lists (ship, radar, aircraft, sounding, forecast, modeling)
2. ✓mid-term performance review: End of SOP and/or after the first major MJO event
3. Preliminary quick report at the end of platform deployment: Wang (P-3), Bourdon (Falcon), (Yoneyama (Mirai), Houze (S-PolKa), Moum, Rutledge, Fairall, Brown (Revelle), Johnson, Brown (ISS), (Schumacher (SMART-R), Long (AMF2) – major instrument problems, data gaps, etc.
4. Complete the list of instruments (AI 20)
5. ✓Synchronization of facilities in time, standardize data unit (AI 22) – UTC
6. ✓ Finalize the ship rotation plan (AI 23)

## Chapter 3: Ship

1. Meteorology observations during Leg 4 (“Pinkel Cruise”)
  - radar: Yes?
  - air-sea flux: Yes
  - soundings: Yes?
2. Student helper (especially for sounding operations)?
3. Uniform biogeochemical water sampling between S. Kanya and Revelle (AI 14)
4. √Interference of ship motion for turbulence measurement with ocean mixing measurement of Mirai (AI 17)
5. √Turbulence measurement for direct estimate of air-sea fluxes from S. Kanya (AI 18) No
6. Darwin -> Singapore -> Darwin->Singapore ??
7. Three ship + P3 intercomparison – Fairall, Kehlif, Yoneyama
8. Ship group meeting at SIO – Moum (March)
9. List of ship obs products to Field Catalog

## Chapter 4: Radar

1. ✓Forecast support for changing S-PolKa scanning strategy (AI 10) No
2. ✓Consistent cloud statistics from the three sites
3. Personnel rotation schedule on Gan?
4. Radar support of French Falcon (AI 8, 19) – in progress
5. List of need model/satellite data – Houze (March)
6. List of radar products to Field Catalog – Houze (March)
- 7.

## Chapter 5: Sounding

1. Standardized launching procedure (AI 1) – compare docs from MIRAI, AMF2, ISS – Long, Katsumata, Brown
2. Soundings from S. Kanya (AI 3, 13)
3. Backup facilities (AI 4): Yes for ISS, Mirai, AMF2; planned for Kanya
4. Soundings from Male (AI 7) – Johnson, Katusmata (March?)
5. Sounding from Sri Landa (AI 11) – Katsumata to visit Colombo in Marc
6. Raman lidar – probably not
7. Data assimilation personnel from NCEP, JMA, Meteo-France, ECMWF – Zhang (Augustin, Nasuno, Duvel) – March
8. ✓Extending SOP vs. IOP – Brown, Johnson (March)
9. ✓Delayed start of SOP (shakedown time) – No?
10. Trial sounding period – one week prior to 1 October 2011
11. H2 generator repair by WMO – Johnson (?)
12. Check sounding site blacklists – (Johnson, Yoneyama, Zhang)

## Chapter 6: Aircraft

1. Forecast support need – daily briefing and products
2. ✓Flight hour allocation among various modules – mission (module combo)
3. ✓Temporary base on Gan (two-day mission stopping on Gan) – No.
4. Coordination with other platforms
  - a. ✓Facoln – radar
  - b. P3 – Revelle
  - c. P3 – Falcon
5. ✓Protocol of decision making on flight missions
6. ✓Expendables: AXBT, AXCDT

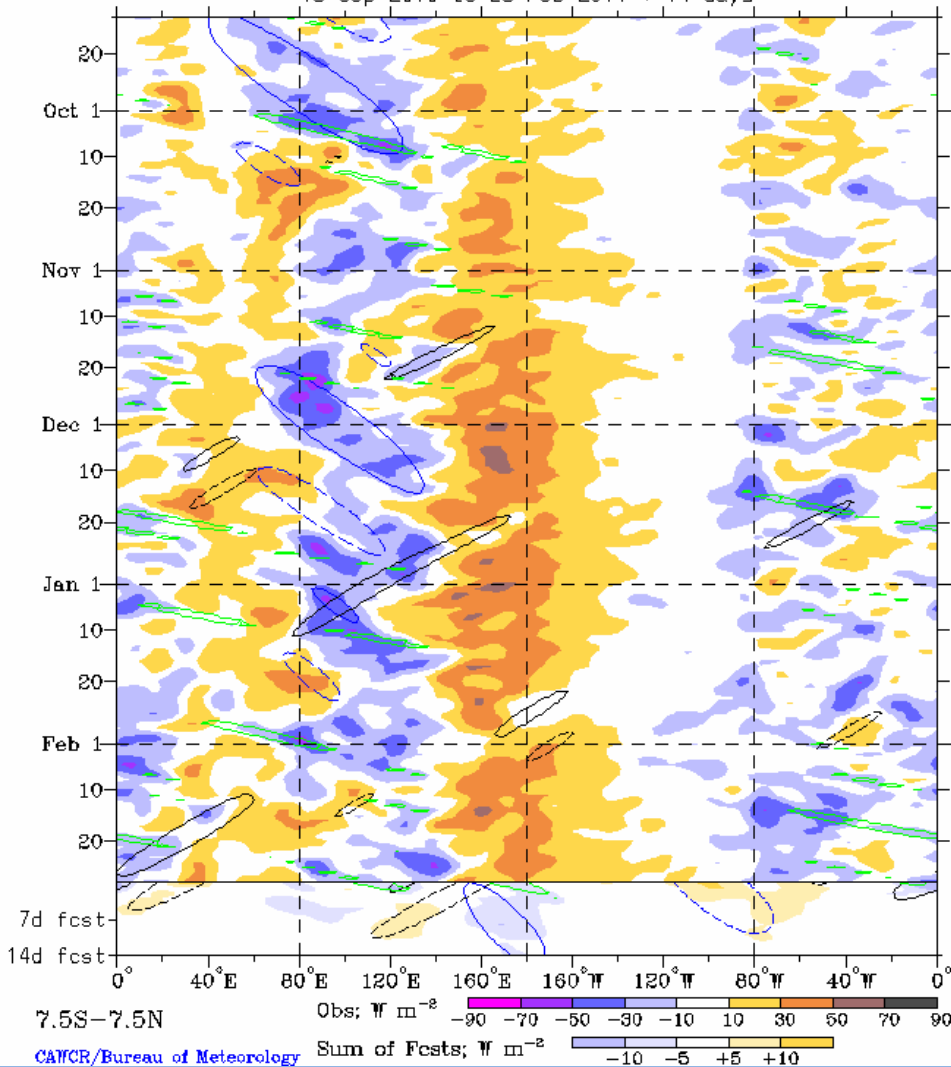
## Chapter 7: Other Obs

## Chapter 8: Forecast

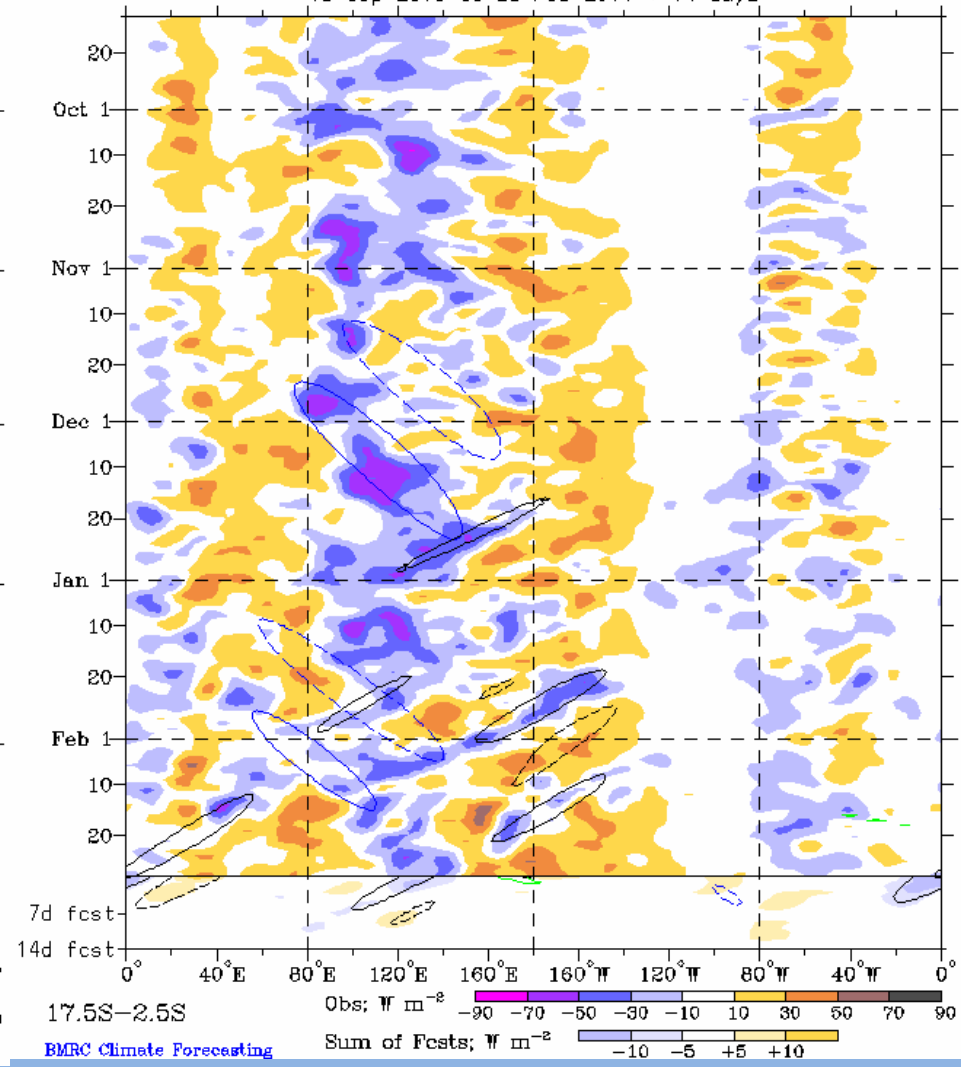
1. Forecast support for aircraft operations
2. √Teleconference frequency: ship – weekly; radar – daily -> weekly; aircraft – daily
3. Weekly teleconference: content in the dry run?
4. Daily teleconference: essential participants
5. Daily forecast dry run

Real-time filtering superimposed upon 1-2-1 filt, R21, OLR Anoms  
 MJO blue CINT=10; n1ER black CINT=10; Kelvin green CINT=15  
 Negative contours solid, positive dashed (excluding Kelvin)  
 13-Sep-2010 to 28-Feb-2011 + 14 days

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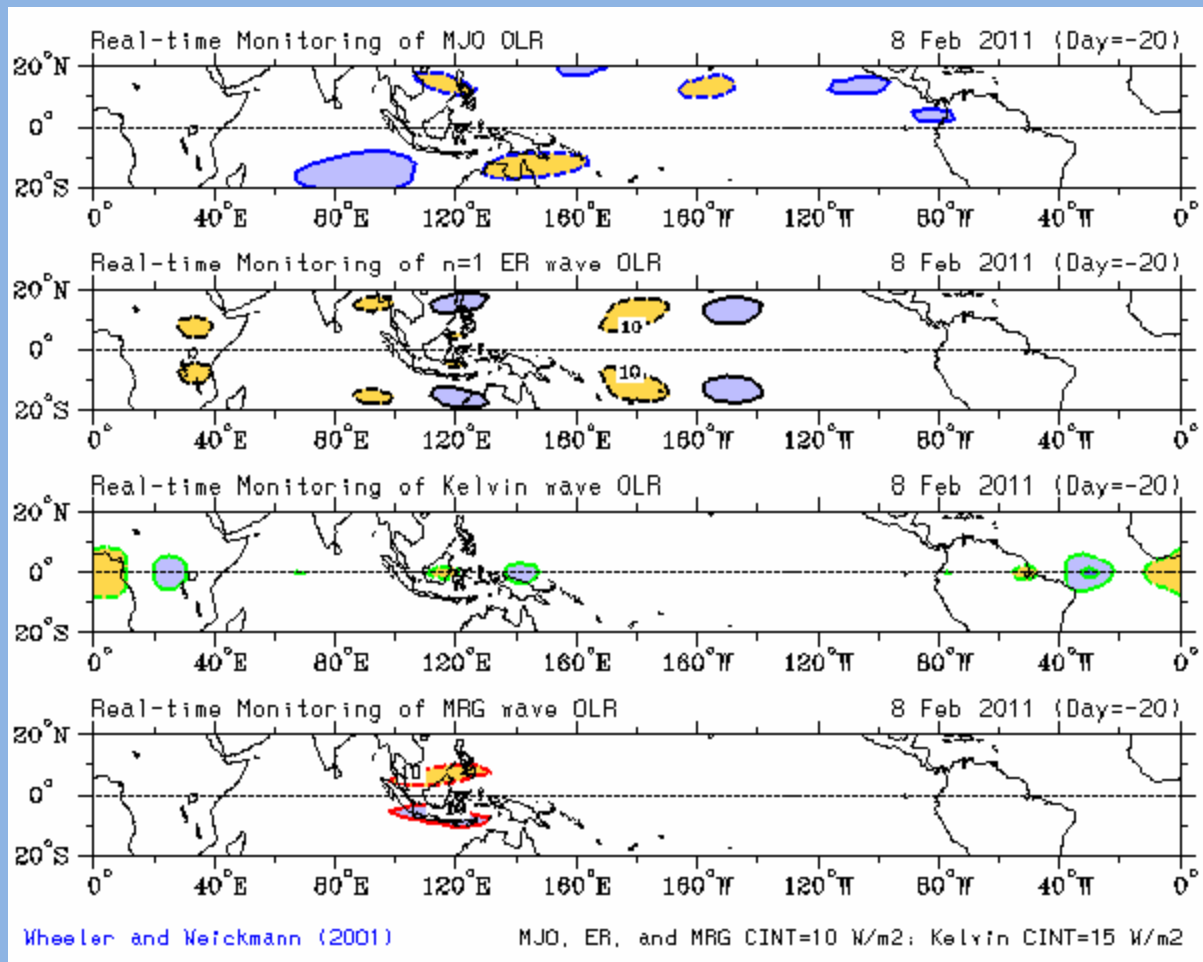
Equator



SH

Ovals are projections of leading modes: MJO (blue), KW (green), ER-1 (black)  
 Courtesy: Matt Wheeler CAWCR





Spatial animation of leading modes (recent observations followed by 10-day forecast)  
 Courtesy: Matt Wheeler CAWCR

## Chapter 8: Forecast

1. Forecast support for aircraft operations
2. √Teleconference frequency: ship – weekly; radar – daily -> weekly; aircraft – daily
3. Weekly teleconference: content in the dry run? After IOP
4. Daily teleconference: essential participants
5. Daily forecast dry run: When?

## Chapter 9: Modeling

### Old issues

1. ✓ Model intercomparison strategy (AI 26) – injection of field obs
2. Maximum use of field observations (AI 27) – radar obs
3. Availability of real time analysis and forecast products from Indian operations center (AI 28) – Uccellini visited India (GFS to be installed)
4. Stretched NICAM forecast sent to NCEP MJO forecast team (AI 32) – Nasuno (?)
- 5.

## **Chapter 10: Communication**

1. DPO/field – Field Catalog
2. Aircraft/radar – email, radio, Xchat,
3. Aircraft/ship – email, radio, Xchat
4. between sites –

## Chapter 11: Data

1. International CINDY/DYNAMO data policy (AI 34)
2. International Data Management Working Group (AI 35)
3. Collect data info (model forecast, satellite, field products, etc.)
4. Indian and French Data Center compliance to CINDY/DYNAMO data policy (AI 36)
5. Questionnaire of real time data access
  - *Level 1: standard on Field Catalog*
  - *Level 2: mirrored (Gan) – after IOP?*
  - *Level 3: specially requested*
6. Questionnaire of data archive (for post-field analysis and modeling)
7. Field Catalog “dry run” – August?
8. Web assess of ECMWF ensemble forecast products – Zhang
9. License for real-time distribution of Meteosat-7 numerical data – Ramage

## Chapter 12: Logistics

1. Personnel rotation schedule (Gan, Diego Garcia) – Houze, Long, Brown (April)
2. Medical insurance acceptable at Gan – Moore (May)
3. Outreach at Gan – Zhang, Moore, Long (May)
4. √NSF travel fellowship applications review and selection (6)
5. Mentor assignment for the NSF travel fellowship recipients – Schumacher (May)
6. Foreign nationality list for Diego Garcia – to Jim before this Friday (Brown, Schumacher)
7. Workspace at Gan
8. Workspace at Diego Garcia
9. Main ops centers at JAMSTEC and EOL