

New Cross-Cutting Scientific Issues:

- Cold pool: structure, evolution, air-sea interaction, role in the MJO
- Dry-air intrusion: origin, structure, evolution, dynamics, effects on MJO convective
- Scale interaction: convective, diurnal, 2-4 day, synoptic, MJO, seasonal
- Necessary vs. sufficient conditions for MJO initiation
- Convective organization vs. stochasticity
- Humidity

Contentious Issues:

- MJO initiation index
- Model evaluation for individual cases (rainfall centric quantification)
- Interpretation of high-frequency variability
- The November MJO case
- Upper-level effects on MJO convection

No So Contentious Issues:

- Data and analysis merges of Revelle and Mirai (radar, fluxes, ocean)
- Air-sea integrated data and analysis at Revelle and Mirai (Rutledge, Katsumata)
- Observation - model integration
- Large-scale perspectives/context of the field observations (satellite, RAMA, data a
- Cases vs. statistics
- Large-scale ocean processes (waves, Wyrтки jet, SCTR)
- Megha-Tropiques data (Zhang)

Funding:

- Special call for DYNAMO (NOAA 2012)
- Individual proposals (NSF, DOE/ASR)
- NAPP (ONR, NOAA): coupled modeling
- Climate Test Bed (NOAA):
- CPT (NSF, NOAA, ONR? DOE?):
 - * tropical cloud evolution (population, organization vs. stochasticity, shallow-deep or non-precipitating-precipitating transition)
 - * air-sea coupling?
 - * ocean processes?

Meetings/Workshops

- AGU 2013:
 - “MJO Initiation” - Yoneyama
 - “Indian Ocean Air-Sea Interaction” : ?
 - “YOTC” : Moncrieff

- International Monsoon Workshop Fall 2013, Macau

- Ocean Science (2014): Richards, Han

- JAMSTEC CINDY Workshop (early 2014): Yoneyama

- AMS:
 - * Annual meeting (2015):
 - * Tropical (2014):
 - * Radar (Fall 2013?, ??):
 - * Air-Sea (2014?):
 - * Fluid Dynamics: (2013?, ??)
 - * Mesoscale (2013?, ??)

- NCAR Summer Colloquium (2014) - Radar-Modeling Integration: Maloney

- IUGG General Assembly (2015):
- International Modeling Community Meeting

Headlines:

- June 1, 2013: radar rain rate estimate (Rutledge)
- June 1, 2013: radar latent + radiative heating profile (Schumacher)
- August 1, 2013: updated microphysics ID (Houze)
- August 1, 2013: release of Q1, Q2, and forcing data (Johnson, Xie)
- August 1, 2013: updated COARE flux algorithm (Edson)
- August 1, 2013: comprehensive data inventory table (Williams)

Field Campaign:

IOP of The Year of Manus (2014–15): Long

- Manus ARM site
- Full suite of scanning radars (K, X, C-band)
- 8 sondes per day
- A suite of rainfall sensors (around Manus Is. For Z-R studies)

Publications

- AMS Special Collection (all journals) “Processes, Dynamics, and Prediction of MJO Initiation” , key word DYNAMO/CINDY/AMIE/LASP
- AGU Special Collection (JGR-A, JGR-O, JAMES) “The 2011-12 Indian Ocean Field Campaign: Atmospheric and Oceanic Processes and MJO Initiation” , key word DYNAMO/CINDY/AMIE/LASP
- JMSJ Special Issue: Yoneyama
- Dynamo Website publication citation listing

MJO song ("Let it be")

by Maria Flatau

This big blob of clouds in tropics
Moving eastward pretty slow
That's your Holy Grail, MJO
It can drive the atmosphere
Father Madden told us so,
Speaking words of wisdom, MJO

MJO, MJO, MJO, MJO, speaking words of wisdom, MJO

When there is a drought in India
Everybody has to know
This may be an answer : MJO
When in Europe wind is blowing
And there is a lot of snow
You can always blame the MJO

MJO, MJO, MJO, MJO it always be your answer: MJO

When the rainfall in Sumatra
Is stuck for weeks and does not go
Eastward, like a decent, MJO
When the forecast skill is dropping
For the reason we don't know
You'd better check the model MJO

MJO, MJO, MJO , MJO, every sleepless night, MJO
MJO, MJO, MJO, MJO, you'd better get it right , MJO