



**South Asian Climate Outlook Forum (SASCOF -6)
21-22 April 2015, Dhaka, Bangladesh**

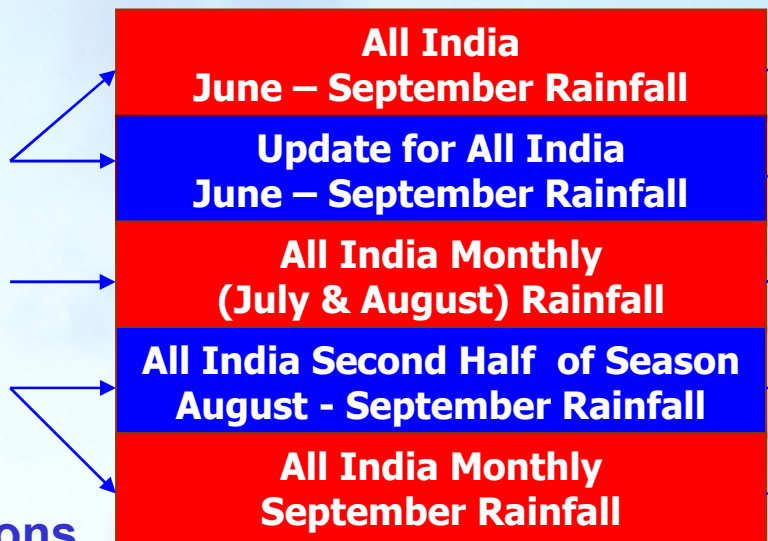
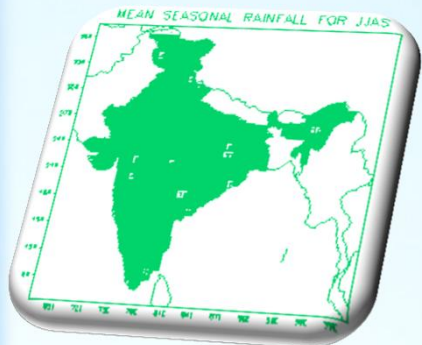
Seasonal Outlook for 2015 Southwest Monsoon Rainfall over India

Sikandar M. Jamadar & Ravindra G. Patil

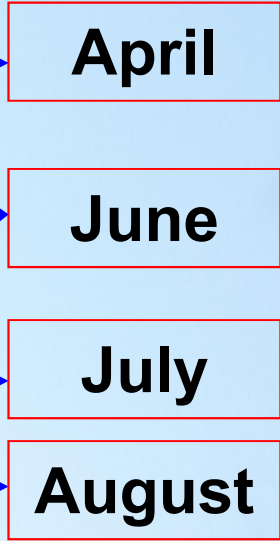
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INDIA METEOROLOGICAL DEPARTMENT**

Operational Long Range Forecast For the Southwest Monsoon Issued By IMD

All India



Month of Forecast Issue



Geographical Regions



- NW India
- NE India
- Central India
- S. Peininsula



In addition, Forecast for Date of Monsoon Onset over Kerala in May



Forecasts from various Indian Institutes

| S.No. | Institute | Model | Forecast for 2015 (% of LPA) |
|-------|---|--|---------------------------------|
| | | | Issued in April |
| 1. | Indian Institute of Tropical Meteorology (IITM), Pune | IITM CFS2 T382 (Monsoon Mission Model) | 91 (Feb ICs) |
| 2. | Space Applications Centre, Ahmedabad. | Empirical model based on Genetic Algorithm | 100 ± 4 |
| 3. | C-DAC, Pune | NCEP GFS T170L42 | |
| 4. | IMD | Hybrid Model based on NCEP CFS | 96% |
| 5. | Onkari Prasad (Retired IMD) | South Indian Ocean convergence zone based relation | 100% |

The experimental forecasts from most of the models indicated below normal to normal monsoon season rainfall over the country as whole.



9/9/2015



Summary of Experimental Forecasts From Various Climate Research Centers

Inference from the MME and coupled model forecasts suggests the 2015 nation-wide southwest monsoon rainfall is likely to be below normal.

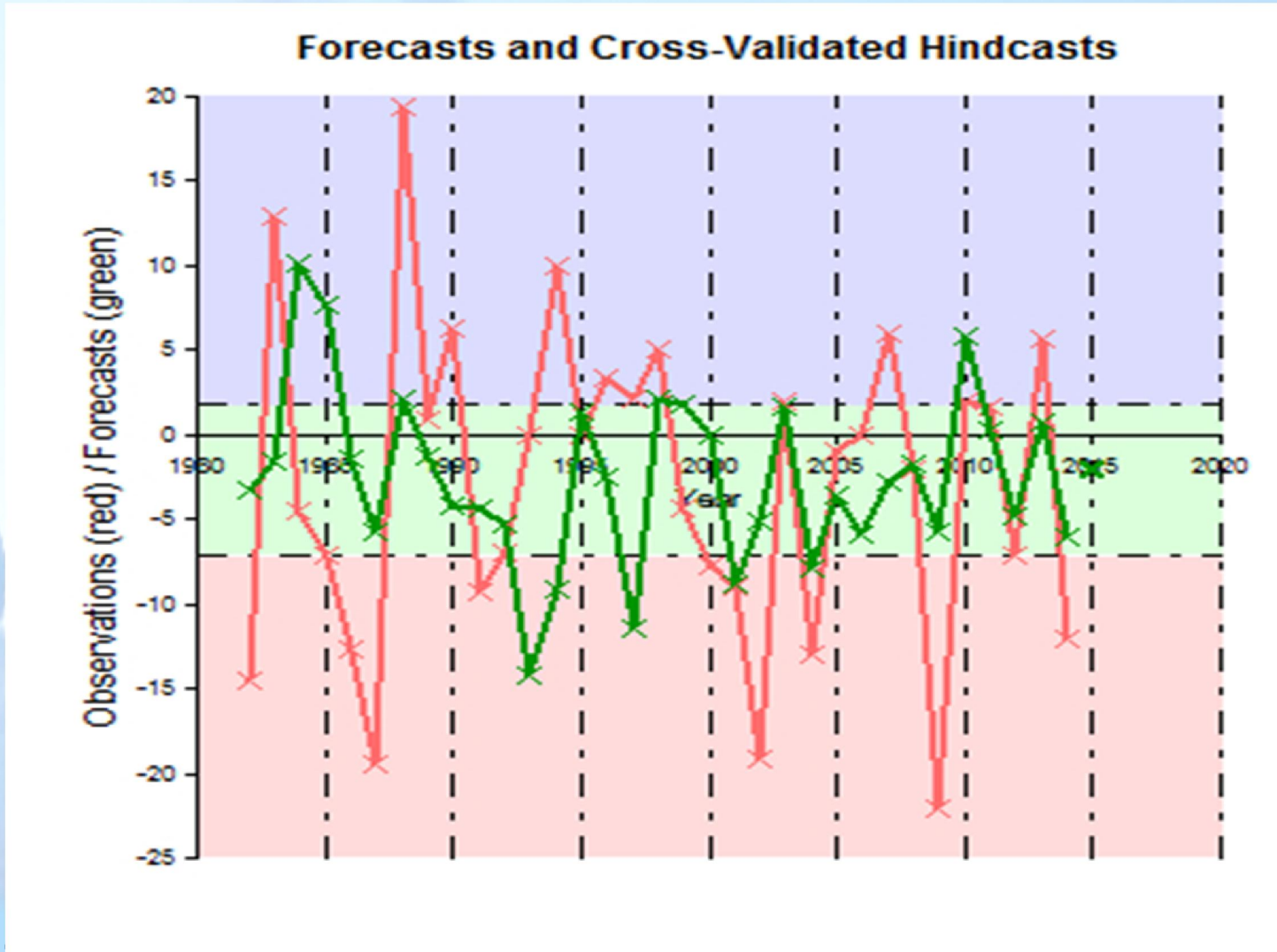


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CPT FORECAST -0.235%



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Conclusions

Based on prevailing climate conditions and forecasts from various statistical and dynamical model suggest that the all India (Nation-wide) 2015 Southwest Monsoon Season (June to September) Rainfall is most likely to be **Below normal.**



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Thank you



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