

**Tuesday, 18<sup>th</sup> January, 2005**

**Session I: Time 10.50 to 12.00**

Name	Paper Title	Theme	Oral No.
Dr (Ms) Bindu G	Structure of sea breeze and land breeze before and after the onset of monsoon- A case study for a coastal station	MCO	S-I/O-1
Ms Ayantika Dey	Thermocline variability in the Equatorial Indian Ocean	MCO	S-I/O-2
Mr Bakshi H Vaid	A Statistical Analysis of Topex/ Poseidon altimetry data with emphasis on Indian Ocean Dipole	MCO	S-I/O-3
Mr Sourav Tarphdar	Understanding the Tropical Indian Ocean Surface Wind Stress in the Behaviour of Indian Southwest Monsoon.	MCO	S-I/O-4
Mr G. Praveenkumar	Monsoon Performance From Eta Model	MCO	S-I/O-5
<i>Discussion on Session I</i>			

**Session II : Time 12.00 to 13.25**

Name	Paper Title	Theme	Oral No.
Mr Syam Sankar	On the role of air-sea interaction parameters over the north Indian Ocean on the prolonged Break in monsoon conditions in 2002	MCO	S-II/O-6
Mr Vinay Kumar	Typhoons and circulation Pattern	MCO	S-II/O-7
Mr Pankaj Kumar	Northeast monsoon rainfall variability	MCO	S-II/O-8
Mr Rajib Chattopadhyay	Wavelet Analysis of Tropical Convection Over Space and Time	MCO	S-II/O-9
Ms Mukti Sharma	India's nuclear energy program and the extent of abatement in global warming and climate change during the present century	MCO	S-II/O-10
Mr Bijoy Thomson	Dynamic Response of Indian Ocean to Inter-annually Varying Surface Forcing in an OGCM	MCO	S-II/O-11
<i>Discussion on Session II</i>			

### Session III : Time 1415 to 15.50

Name	Paper Title	Theme	Oral No.
Dr Auromeet Saha	Aerosol Optical Depth over Arabian Sea: Effect of Long-Range Transport	ACH	S-III/O-12
Mr K Hari Krishna	Measurements of PM <sub>2.5</sub> and PM <sub>10</sub> particle concentrations and their Chemical Composition in Kolkata, India	ACH	S-III/O-13
Mr M Pulikesi	Monitoring of Tropospheric Ozone at Chennai City	ACH	S-III/O-14
Mr Muhsin M	Characterization of the Boundary-Layer Aerosols Using LIDAR	ACH	S-III/O-15
Mr Nirvikar Dashora	Study of aerosol optical depth at 1020 nm and perceptible water content at Udaipur	ACH	S-III/O-16
Mr S.Suresh Babu	Impact of long-range transport of aerosols on short-wave Radiative forcing-Results from ARMEX field champagne.	ACH	S-III/O-17
Mr Sachin Gunthe	Weekend ozone behavior over Pune (18°N, 73°E)	ACH	S-III/O-18
<i>Discussion on Session III</i>			

### Poster Session I: Time 16.05 to 16.40

Name	Paper Title	Theme	Poster No.
Ms Susmitha Joseph	Study of Indian Summer Monsoon Break Spells	MCO	P-1
Mr J S Chaudhary	Wind Driven Transports in the Arabian Sea during 2000 - 2003	MCO	P-2
Mr M A Al Saafani	Seasonal circulation in the Gulf of Aden	MCO	P-3
Mr. Krishna Chandra Tripathi	Prediction of Sea Surface Temperature in the Indian Ocean using Artificial Neural Network	MCO	P-4
Mr. R.K.Yadav	Upper Tropospheric circulation features during extreme monsoon year	MCO	P-5

Dr Auromeet Saha	Comparative Studies of Aerosol Optical Properties over Nainital and Kanpur	ACH	P-6
Dr Auromeet Saha	Columnar Size Distribution of Aerosols over Arabian Sea and Tropical Indian Ocean	ACH	P-7
Mr Shailendra Kewat	Some Characteristics of Dry Deposition at a Hill Station, Sinhgad	ACH	P-8
Mr Sanjay D More	Study of Atmospheric Aerosols at Pune	ACH	P-9
Mr Sumit Kr Mishra	Scavenging Ratios of Ionic Pollutants	ACH	P-10

#### **Session IV : Time 1640-1800**

Name	Paper Title	Theme	Oral No.
Ms Ganguly Nandita Dayamoy	Study of variations in columnar ozone concentration at Rajkot	ACH	S-IV/O-19
Ms Shilpy Gupta	Vertical Distribution of Ozone Over Ahmedabad	ACH	S-IV/O-20
Ms. Rajashree Rege	Mapping of Aerosol Properties over Land using OCM-Land Data	ACH	S-IV/O-21
Mr Narendra Singh	Estimation of turbulence parameters using UHF Wind Profiler Radar	LSH	S-IV/O-22
Mr Sachin Bhandare	Estimation of river water discharge by using IBIS- HYDRA model over 3 major river basins in India	LSH	S-IV/O-23
Mrs Shally Joshi	Gridded Rainfall Data Over India for Numerical Model Validation	LSH	S-IV/O-24
	<i>Discussion on Session IV</i>		

**Wednesday, 19<sup>th</sup> January 2005**

**Session V : Time 0915-1055**

Name	Paper Title	Theme	Oral No.
Mr Jagdeesh K.	Climate and Tree-growth relationship of Teak (Tectona grandis) from Central India	MCO	S-V/O-25
Mr Manish Tiwari	Monsoon History since the Last Glacial Maximum (~18,000 a BP)	MCO	S-V/O-26
Mr Santosh K Saha	Tree-ring analysis of Cedrela toona Roxb. in Dendroclimatic perspective from Kalimpong, Darjeeling Himalaya	MCO	S-V/O-27
Mr A Francis	Extremes of the Indian summer monsoon rainfall, ENSO and equatorial Indian Ocean oscillation	MCO	S-V/O-28
Ms K Kamala	Future climate change scenarios as simulated by PRECIS for the Indian summer monsoon and its variability	MCO	S-V/O-29
Mrs Sreedevi Nanadakumar	Variation of Thermohaline structure during three consecutive monsoon years as revealed from Argo floats	MCO	S-V/O-30
Ms Anitha Kumari	Study of heavy rainfall events over Mangalore region, the west coast of India during 2003	MCO	S-V/O-31
	<i>Discussion on Session V</i>		

### Poster Session II : Time 11.10 to 11.50

Name	Paper Title	Theme	Poster No.
Preethi Bhaskar	On the Relationship Between Synoptic Systems over the Bay of Bengal and Trends in Monsoon Rainfall over Eastern India	MCO	P-11
Dasari Hari Prasad	Numerical simulation of the mesoscale vortices associated with heavy precipitation over the west coast of India during the southwest monsoon season	MCO	P-12
S K Srivastava	Sensitivity of Indian Summer Monsoon to afforested deserts	MCO	P-13
Mr U C Dumka	Study of Ångström Parameters over Nainital	ACH	P-14
Mr Vikas Singh	Long Term Changes in Ozone Pollutants Over India: 3-D Model Simulations	ACH	P-15
Mrs Ashwini A Ranade	Study of Chemical Species in rainwater at a rural environment of Northeast India	ACH	P-16
Mr. Shaiju Augustine	Chemical composition of rainwater at Panipat inside NCR of Delhi	ACH	P-17
Mr Manoj K Srivastava	Backscatter lidar observation of the aerosol stratification above Neuchâtel (Switzerland) during winter Bise: a case study	ACH	P-18
Mr Sachin Deshpande	Observations of Thunderstorm Reflectivity and vertical velocities at UHF wind profiler	LSH	P-19
Mr T. Lakshmee Kumar	Studies on modeling soil wetness	LSH	P-20

Ms Cini Sukumaran	Variation of advective fluxes of CO <sub>2</sub> and water vapor over Vasco da Gama , Goa during monsoon 2002.	LSH	P-21
Dr. Prashant Hegade	Impact of Aerosol Particulate Matter Pollution in and around Mangalore Region	ACH	P-22

### Session VI : Time 1150-1300

Name	Paper Title	Theme	Oral No.
Mr Dinesh K Sharma (J.Rai)	Effects of Ions on Cloud Condensation	AEE	S-VI/O-32
Mr Dinesh K Sharma	Active thunderstorm induced heating in the ionosphere	AEE	S-VI/O-33
Mr Kulkarni Santosh Hanmantrao	On the capacity of negative ions for cleaning the pollution	AEE	S-VI/O-34
Mr Vikram Singh	A New Whistler recorder developed at Agra and initial results.	AEE	S-VI/O-35
Mr Viond Kushwah	Simultaneous ULF/VLF amplitude anomalies observed during moderate earthquakes in Indian region	AEE	S-VI/O-36
	<i>Discussion on Session VI</i>		

### Session VII : Time 1400-1530

Name	Paper Title	Theme	Oral No.
Mr Korak Saha	Tropospheric Refraction Of Microwaves With Application To GPS Based Ranging System	ARS	S-VII/O-37
Mr Raja Sekhar	Non-linear Internal Waves on Envisat ASAR Images	ARS	S-VII/O-38
Mrs Amita Ajay Prabhu	Potential Utility of IRS-P4 MSMR for better depiction of Atmospheric Systems and the Antarctic Sea-Ice Extent	ARS	S-VII/O-39

Ms Rina Dutta	Height Variation of Tropical Tropopause: Study using Radiosonde and VHF Radar	ARS	S-VII/O-40
Ms Rohini Bhawar	Aerosole direct radiative forcing estimation from spACH borne and ground based sun photometry	ARS	S-VII/O-41
Mr Arindam Ghosh	Initial outbreak of Nor'westers in relation to water vapor boundaries in satellite images	ARS	S-VII/O-42
	<i>Discussion on Session VII</i>		

### Poster Session III : Time 15.30 to 15.50

Name	Paper Title	Theme	Poster No.
Ms Smitha John	Idealized Simulation of Thunderstorm Event Using ARPS	AEE	P-23
Mr Manoj Kumar	Magnetic storm effect on the amplitude of 24 kHz NAA VLF transmitter signals	AEE	P-24
Mr. Pramod Kumar Khandpal	<b>Vertical Temperature structure of atmosphere as revealed by Indian MST radar</b>	ARS	P-25
Mr Pawan Kr Rathore	Comparison of Perceptible Water Measured by Sun Photometer and that Estimated from Surface Meteorological Parameters	ARS	P-26
Ms Shital V. Shirsat	Study of aerosol size distribution from remote sensing techniques	ARS	P-27