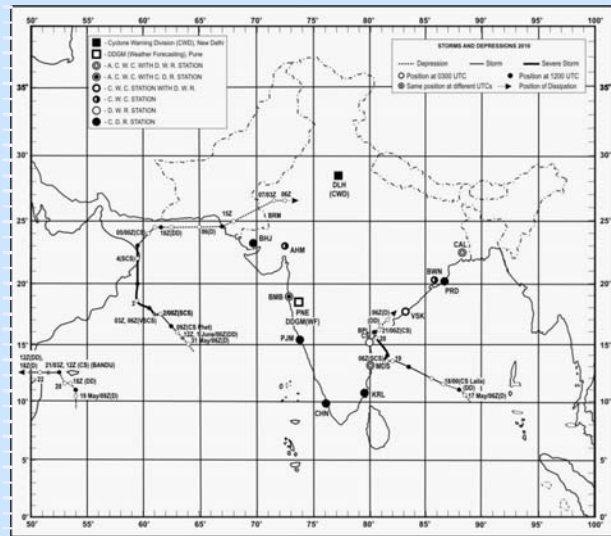


CYCLONES

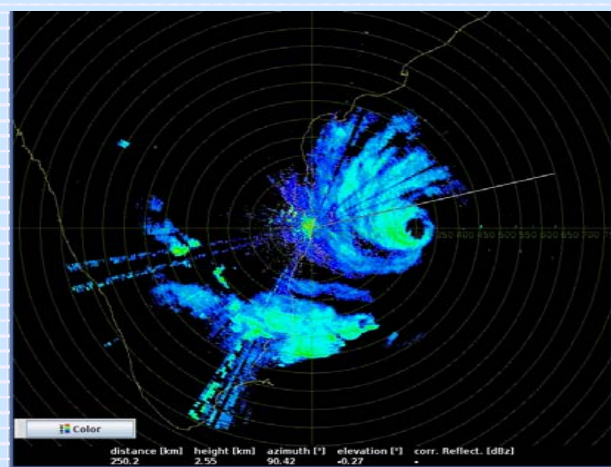
Three cyclones viz. Laila, Bandu and Phet formed over north Indian Ocean during pre-monsoon season of 2010. While cyclone Laila (17-21 May) developed over the Bay of Bengal, Bandu (19-23 May) and Phet (31 May-7 June) developed over the Arabian Sea. The tracks of these cyclones are shown in Fig.



Tracks of cyclones

CYCLONIC STORM "LAILA"

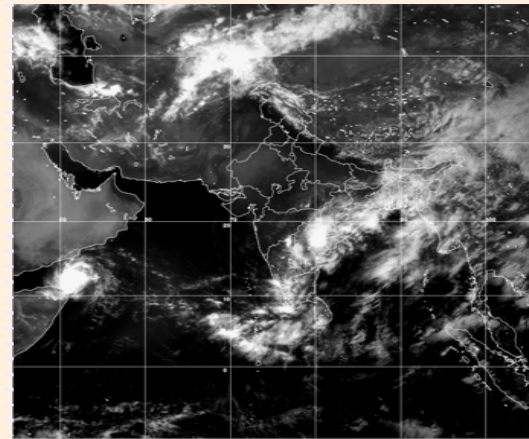
The severe cyclonic storm "Laila" formed over southeast Bay of Bengal during 17-21 May 2010 and crossed Andhra Pradesh coast near Bapatla between 1630 and 1730 hrs IST of 20th May 2010. It caused wide spread rainfall with scattered heavy to very heavy falls and isolated extremely heavy falls over coastal Andhra Pradesh leading to flooding in low lying areas. Gale winds speed reaching 90-100 kmph were observed. The storm surge of 2 to 3 meters inundated the low lying areas of Guntur, Prakasham and West & East Godavari districts.



Radar echoes of Laila

CYCLONIC STORM "BANDU"

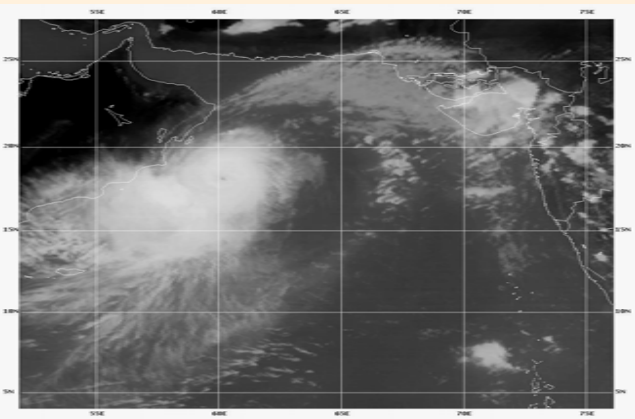
Second cyclonic storm "Bandu" formed over southwest Arabian sea off Somalia coast during 19-23 May, 2010 Initially it moved in northwesterly direction and later in a westerly direction. Due to interaction with land surface and colder sea, it dissipated over Gulf of Aden. It caused heavy rain in Somalia and Yemen.



Kalpana-1 imagery of BANDU: 21 May 2010

VERY SEVERE CYCLONIC STORM "PHET"

The "Phet-very severe cyclonic storm" formed over central Arabian sea on 31st May. It crossed Oman coast on 4th June, emerged into northwest Arabian Sea, moved east-northeastwards and crossed Pakistan coast, closed to the south of Karachi on 6th June evening between 1800-1900 hrs IST. It then moved east-northeastwards across south Pakistan and Rajasthan and weakened gradually into a well marked low pressure area over east Rajasthan and adjoining northwest Madhya Pradesh in the evening of 7 June. It was the rarest of the rare track in Arabian Sea as per the recorded history during 1877-2009. It was one of the longest tracks and longest life period in recent years.



Kalpana-1 imagery of PHET: 2 June 2010.



IMD NEWS

QUARTERLY NEWSLETTER

INDIA METEOROLOGICAL DEPARTMENT

VOL 3

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INAUGURATION OF PUBLIC WEATHER SYSTEM



Hon'ble Minister Shri Prithviraj Chavan

On 14th May 2010 Shri Prithviraj Chavan, the Hon'ble Minister of MoES inaugurated the new Public Weather System of IMD. The system has the capability to automatically design, generate and disseminate tailor-made weather products. The Hon'ble Minister also released a Hand Book & CD on 'Public Weather Services' of India Meteorological Department. This will help to establish a world class weather service in the country triggering more timely actions by disaster management agencies, public and other users.

संसदीय राजभाषा समिति द्वारा मुख्यालय का निरीक्षण



संसदीय राजभाषा समिति के सदस्य एवं भारत मौसम विज्ञान विभाग के महानिदेशक के साथ अन्य अधिकारी

माननीय संसदीय राजभाषा समिति की दूसरी उपसमिति द्वारा दिनांक 8 अप्रैल 2010 को भारत मौसम विज्ञान विभाग (मुख्यालय) का निरीक्षण किया गया जिसमें ए. वी. एम. (डॉ.) अजित त्यागी, महानिदेशक श्री ए. के. भटनागर, मौ.वि.अ.म.नि., श्री राजीव शर्मा, मौ.वि.उ.म.नि.(प्र. एव. भंडार) तथा अन्य अधिकारीगण उपस्थित थे। संसदीय राजभाषा समिति के सभी प्रश्नों के यथोचित एवं संतुष्टकारक उत्तर दिए गए। उपसमिति के संयोजक डॉ. प्रसन्न कुमार पाटसाणी संसद सदस्य ने धन्यवाद देते हुए आशा व्यक्त की कि महानिदेशक डॉ. अजित त्यागी के कुशल नेतृत्व में राजभाषा प्रयोग की गति उत्तरोत्तर अग्रसर रहेगी।

62nd SESSION OF WMO EXECUTIVE COUNCIL MEET

AVM (Dr.) Ajit Tyagi, Director General of Meteorology attended the 62nd Session of WMO Executive Council Meet which was held during the period 9-14 June 2010 at Geneva, Switzerland with the objective to review progress made in the provision of critical weather, water and climate services and to optimize its programmes in a changing world.

The Council addressed a range of programmes and topics to review WMO activities and enhance the capabilities, in particular, of the National Meteorological and Hydrological Services of its 189 members to provide critical weather, water and climate assessments and services. The Executive Council was chaired by Dr Alexander Bedritsky, President of WMO. A major topic on the Council's agenda was the progress made towards the establishment of a Global Framework for Climate Services, in line with the decision taken by World Climate Conference-3 (WCC-3). A High-Level Taskforce was established to advise on the content and format of the framework, to shape a framework that should respond to the urgent needs of society for user friendly climate information and services. During the meeting, it was agreed to give special attention on Enhanced Early Warning Systems, Monitoring & Forecasting of WMO Information System (WIS), Volcanic Ash and monitoring climate change.

Editorial Team

Shri U.P. Singh, Shri S.C. Sharma, Shri Subhash Khurana, Shri Dinesh Khanna, Shri Raj Kumar, Shri Gopi Chand

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INSTALLATIONS

Radio sounding system

The VAISALA make GPS based radio sounding system for use in venue specific forecast/NOWCAST during Commonwealth Games 2010, was installed at RMO Ayanagar, and Site Acceptance Test (SAT) was conducted.



Balloon for Ascent

AVM (Dr.) Ajit Tyagi, DGM visited the installation site on 6th June and special ascent was arranged during his visit. DGM monitored the performance/utilities of the system thoroughly and highly appreciated the system and the performance. He encouraged the staff to take RS/RW ascents carefully and to provide good quality data for better forecasting.

Global Atmospheric Watch (GAW)



GAW, Ranichauri

Sh.B.Mukhopadhyay, Scientist 'F' and Dr. S. D. Attri, Director visited GAW station, Ranichauri during 11-12th June, 2010 and discussed with Dean, G.B. Pant University of Agriculture and Technology, Hill Campus, Ranichauri, regarding installation of new equipment at GAW, Ranichauri and made a presentation on evolving scientific collaboration between the university & IMD.

INAUGURATION OF DWR AT M.O. PALAM, NEW DELHI



Under 1st phase of modernization, India Meteorological Department is replacing its old and conventional radars by state-of-the-art S-band Doppler Weather Radars (DWR). In this connection, the first Doppler Weather Radar has been commissioned at IGI Airport, Palam, New Delhi and was inaugurated on 20th May 2010 by Shri Prithviraj Chavan, Hon'ble Minister of State (Independent Charge) for Science & Technology and Earth Sciences in presence of Dr. Shailesh Nayak, Secretary MoES and AVM (Dr.) Ajit Tyagi, Director General of Meteorology. A souvenir on Radar was also released on this occasion.

R.F. AND BASE BAND EQUIPMENTS



Earth Station Antenna

A team of engineers from M.C.F. Hassan have installed the R.F. and Base Band equipments at Earth Station Unit during the period from 14 to 25 June 2010 and began receiving VHRR, AWS(DRT) data of KALPANA-1 and INSAT -3A.

OTHER INSTALLATIONS

A radome, pedestal and antenna system, transmitter, receiver power cabinets of Doppler weather radar was installed at M.C.Hyderabad and first scanning was successfully done on 17th June 2010. Eleven AWS were installed in the various district of Uttarakhand during May 2010. Synergy Forecasting workstation were installed at RMC Mumbai and O/o DDGM(WF), Pune.

PUBLICATIONS

Climate Diagnostics Bulletin of India for February, March, April and Winter Season 2010 (Jan-Feb) were brought out.

Research report RR No. 2/2010 entitled "District-wise Drought Climatology of the Southwest Monsoon Season over India Based on Standardized Precipitation Index (SPI)" was published by National Climate Centre.

Crop Yield Forecast for Rabi wheat was prepared for 16 meteorological subdivisions for April & May 2010. Computation of Monthly Aridity anomaly indices for March and April were completed.

Drought Monitoring over India through Normalized Difference Vegetation Index (NDVI) was brought out.

Two Weekly Aridity Anomaly maps for Southwest monsoon 2010 for the period 4th to 10th June and 11th to 17th June were prepared.

Two Drought Outlook maps for the period 4th to 10th June and 11th to 17th June were prepared.

RESEARCH PUBLICATIONS

A paper entitled, "A decision support tool for issuing short range aviation weather forecast over Chennai Airport" by R.Suresh, S.Stella and M.N. Santhanam of AMO Chennai has been published in Vatavaran, Vol.33, June 2009.

A paper entitled, "The 2009 Bhutan and Assam Felt Earthquakes (Mw 6.3 and 5.1) in Northeast Himalaya Region and the Active Kopili Fault" by J. L. Gautam, Director as a Co-Principal Investigator (PI) contributed under Integrated Long Term Programme (ILTP).

A paper entitled, Seismotectonic Zones Demarcation in the Shillong Plateau Using the Microearthquakes and Radon Emanation Rate by Shri A.C. Lyngdoh, Met. Gr. I published in Acta Geophysica Vol. 58 No.5.

"Impact of MJO on the intraseasonal variation of the summer monsoon rainfall over India" was published in Climate Dynamics.

TROPMET 2010



A three-day National Seminar "TROPMET 2010" was organized by IMS Kolkata chapter alongwith RMC Kolkata during 19-21 May 2010. AVM (Dr.) Ajit Tyagi, DGM inaugurated the seminar and Dr. G. Madhevan Nair, Ex-Chairman ISRO was the Guest of Honour. About 200 Scientists from various organizations participated in the seminar. Shri Srikumar Mukherjee, Hon'ble Minister, Disaster Management, Govt. of West Bengal chaired the valedictory session of the seminar on 21st May 2010. All participants appreciated the arrangements made during the seminar. A souvenir of the presented paper abstracts was also published during the seminar

LECTURES

Dr. Y. E. A. Raj, DDGM, RMC Chennai attended as a Resource person, the seminar on "Climatic Change Mitigation" held at J. J. College of Engineering and Technology, Trichy on 9th April 2010 and delivered two lectures.

Dr. S. Balachandran, Director delivered series of five guest lectures on "General circulation atmosphere and ocean and Northeast Monsoon" to the newly recruited Junior Research Fellows of National Atmospheric Research Laboratory (NARL), Gadanki during 15-16 April 2010.

Dr. S. C. Sahu, Director, M.C. Bhubaneswar, attended and gave a lecture in a district level workshop on "Climate change-effect & their Mitigation" at collectorate conference hall, Jagatsinghpur on 17th April,2010.

Shri B. Puttanna, Director, participated in the "Earth Day" programme and delivered a talk on "Global Warming – Causes and Effects" organized by University of Agricultural Sciences, GKVK, Bangalore on 22nd April 2010.

Shri G. Sudhakar Rao, Director delivered lecture on aviation meteorology and instrumentation to trainee officers of AAI Hyderabad on 23-24 April 2010.

Shri S. Venkateswarulu, Director CWC Visakhapatnam delivered a key note address on "Coastal Zone problems and their Remedies" in the inaugural session of the Staff Development Programme held at GMR Institute of Technology, Srikakulam, Andhra Pradesh on 26th April 2010.

Dr. M. Mohapatra, Director delivered two lectures one on Cyclone Monitoring and Track and Intensity Prediction, Storm Surge and another on Cyclone Warning services at NIDM on 27th April 2010.

Dr. S. D. Attri, Director delivered Inaugural talk in the National seminar on "Climate Change and Socio-Economic Development in India: Spatial and Temporal Variation" on 8th May, 2010 sponsored by ICSSR, New Delhi and organized by Meerut College, Meerut.

Shri Anand Kumar Sharma, Director Meteorological Centre, Dehra Dun delivered lecture on "Environmental Security" at the Joint Civil Military training workshop to senior IAS, IPS and Military officers on 18 May 2010 organized by Lal Bahadur National Academy of Administration, (LBSNAA), Mussoorie.

Dr R. Suresh, Scientist 'E' delivered two lectures on "Fundamentals of Signal Processing" and "Problems in Radar Measurements" in the ISRO sponsored training programme on 'Applications of Atmospheric Science and Remote Sensing in Environmental Management' at DRDO Centre for Life Sciences, Bharathiar University, Coimbatore on 23rd May 2010.

Dr. Medha Khole, Director delivered a lecture on 5th June 2010 on "Weather Forecasting" in Marathi at Mukhtangan Exploratory Science Centre, Bhartiya Vidya Bhavan, Pune during their summer workshop.

Ms. B. Amudha, Met.-I, RMC Chennai delivered a lecture on "Cyclone Disaster Management" at RMC Chennai to the trainees of Disaster Management Training Program conducted by Anna Institute of Management, Chennai for state government officials on 8th June 2010.

S/Shri E. Kulandaivelu, Director and K. V. Balasubramanian, A.M.-II Hindi Coordinating Officer attended the "All India Rajbhasha Seminar on the use of Indian Languages" organised by TOLIC at Chennai on 8th June 2010.

Shri K. Ramachandran, Director, CDR Machilipatnam delivered a lecture on "Cyclones" on 16 June 2010 to the members of The Institution of Engineers, Vijayawada.

Dr. V. Rajeswara Rao, Director delivered lectures related to satellite Meteorology at CTI, Pune during 28-30 June 2010.

Shri S. B. Thampi, Scientist 'E', DWR Chennai, delivered two lectures on Radar Meteorology to JRF at NARL Gadanki & on "Z-R relations and calibration of Radar derived rain-rate using disdrometer data" at NARL Tirupati, on 30th June 2010.

AWARDS

Awards for excellence in the form of scientific books for 37 Ships Officers of Indian volunteers observing fleet were sent to Directorate of Naval Oceanography and Meteorology, Ministry of Defence, New Delhi and 8 Ship certificates /37 ships officers certificates and 3 citations handed over to Shipping Corporation of India Ltd., Mumbai by DDGM(WF), Pune.

INAUGURATION OF MAP DISCUSSION HALL



Prof. G.C. Asnani, & Dr. H.R. Hatwar inaugurating the map discussion hall

Prof. G. C. Asnani, Retd. Scientist, presented the set of books on Tropical Meteorology to the office of DDGM (WF) Pune on 11th June 2010. He inaugurated the newly renovated Map Discussion Hall at Pune on 25th June 2010 in the presence Dr. H.R. Hatwar, ADGM (R) and other officers.

BRAINSTORMING MEETING

Sat Met Division organized a Brainstorming session on “Users’ need of Satellite data and products” on 23rd April 2010 in Conference Hall of Mausam Bhawan, New Delhi under the chairmanship of DGM (IMD) in which participants from NHAC/NWP/MO’s/RMC Kolkata & Chennai, IITM, IAF and INDENOM presented their satellite data requirements and views.

PLAN REVIEW MEETING

The Plan Review Meeting of IMD was held at Mausam Bhawan, Lodi Road, New Delhi from 6th May to 8th May, 2010 to review the Plan Schemes during financial year 2009-10, their current status, planning of objectives and realistic targets of the schemes in qualitative and quantitative terms, and requirement of funds during 2010-2011. All the ADGMs & DDGMs have participated in the meeting. Action plan for Modernization of Phase-II was also discussed. DGM welcomed all the participants and congratulated all for the successful completion of various Plan activities of the Department during financial year 2009-2010. He elaborated the various activities of the Modernization Phase-I and advised all DDGMs to act as facilitators than being stumbling blocks. He also advised project Directors to report directly to him about the progress of the project.

VISIT OF DGM AT MC PATNA



AVM (Dr.) Ajit Tyagi Director General of Meteorology visited MC, Patna on 21st May 2010. He inspected the progress of building construction work for installation of Doppler Radar. He also held a meeting with officers of Meteorological Centre, Patna, and discussed various points pertaining to opening of new observatories, upgradation of communication facilities and matters concerned with Bihar state Govt.

GLOBAL FRAMEWORK CLIMATE SERVICES



EMRC organized Consultative Meeting on “Global Framework Climate Services” on 9th April, 2010 at India Habitat Centre, New Delhi under the Chairmanship of Secretary, MoES which was attended by senior scientists & experts from different Departments & Organizations. DGM welcomed and Secretary, MoES addressed the delegates. A talk on “WMO initiative for building GFCS” was given by Dr. Avinash Tyagi, Director Climate & Water Department, WMO. At the end of the session formation of National Consultative group was recommended.

पृथ्वी विज्ञान मंत्रालय में बैठक

राजभाषा विभाग द्वारा जारी वार्षिक कार्यक्रम 2010-11 के संबंध में पृथ्वी विज्ञान मंत्रालय में दिनांक 25 मई 2010 को सचिव महोदय की अध्यक्षता में बैठक हुई जिसमें महानिदेशक महोदय, निदेशक प्रकाशन/हिन्दी और वरिष्ठ हिन्दी अधिकारी ने भाग लिया। महानिदेशक महोदय ने उक्त वार्षिक कार्यक्रम के अंतर्गत विभाग में होने वाली गतिविधियों का संक्षिप्त विवरण दिया एवं हिन्दी में किए गए क्रियाकलापों पर चर्चा की।

OTHER MEETINGS

Shri. V. K. Soni, Met. participated in CAIPEEX Technical Expert Committee meeting at IITM on 5th April 2010.

Dr. H. R. Hatwar, ADGM(R) and **Shri.V.K.Soni**, Met. attended Review Meeting on Implementation of Environment Monitoring and Research at Delhi on 6th April 2010.

Dr. Y. E. A. Raj, DDGM and **Dr. S. R. Ramanan**, Director participated in the meeting at SHAR to review weather for GSLV/G-SAT 4 Mission on 13th April 2010.

Dr. O. P. Singh, Scientist-E (SM) attended Brainstorming meeting on Indo-Russia collaboration in Research at Pusa Institute, New Delhi during 6-7th May, 2010.

Dr. A. L. Koppa, DDGM(C) and **Shri U. R. Joshi**, Director attended Plan review meeting at DGM office, New Delhi from 6-8 May 2010.

Dr. M. Mohapatra, Director (CW) attended a meeting in Cabinet Secretariat on 20th May 2010 and briefed all participants about severe cyclonic storm “LAILA”.

Dr. A. B. Mazumdar, DDGM (WF) was on tour to New Delhi on 30th June 2010 to attend the 3rd meeting of Scientific Advisory Committee on Aviation Meteorology.

Sri B. Puttanna, Director-in-charge participated in ‘State Level Committee to Monitor Weather, Crop Condition and Drought Relief Measures’ meeting held in the Chamber of the Additional Chief Secretary and Development Commissioner, Vidhan Sabha, Bangalore on 7th 2010.

INDO AUSTRALIAN PROJECT

Dr. M. Satya Kumar, Director I/C (Scientist “F”) visited the site at Bairanpalli Village of Warangal on 20th April along with Dy. High Commissioner of Australia to India and ANGARU officials. He explained to Dy. High Commissioner of Australia the importance of the Agriculture Advisory Bulletins issued by India Meteorological Department.

A MEETING ON POLAR SCIENCE



Polar science committee meeting was held on 16th June at IMD, New Delhi which was presided over by **Dr. T. V. P. Bhaskara Rao**, Scientist “G”, MoES to discuss conducting a conference on Polar Science. **Shri M. K. De**, AM-I presented the background of IMD Antarctic Programme before the Committee members. A tentative programme for conducting Brain Storming Conference on Polar Science during September 2010 was also prepared.

119TH BIRTH ANNIVERSARY OF DR. B.R AMBEDKAR



14th April, the Birth Anniversary of Dr B.R. Ambedkar, is celebrated to honour that special person, who taught world the lesson of self confidence. He was the chief architect of the Indian Constitution and is fondly called the Father of the Indian Constitution.

SC/ST Association of IMD celebrated this year the Birth Anniversary of Dr. B.R. Ambedkar on 28th April 2010. DG, IMD, and other officials were also present during the function. All Unions representatives expressed their views on this occasion.

CLEAN ENVIRONMENT



Shri Anand Kumar Sharma, Director, Meteorological Centre, Dehra Dun actively took part in the polythene removal campaign from Gandhi Park, Dehra Dun, as a part of the clean earth campaign. The programme was organized by the Indian Society of Remote Sensing, Dehra Dun Chapter (ISRS-DC). The programme was sponsored by Ministry of Earth Sciences (MOES), Government of India.

TRAINING

A training course on **Oracle** was conducted at NDC from 10th to 21st May 2010 for 10 officials by Meteo France International in association with Focus Training Services, Pune as part of CLISYS implementation at NDC.

MFI experts from France imparted training to Officers on MFI at RMC Chennai during the period 7-11 June 2010.

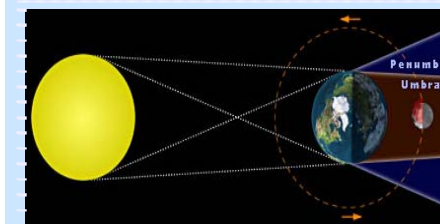


Synergy Basic User Training was imparted to 16 officers/staff of RMC Mumbai by **Mr. Hubert Brunet**, Chief Forecaster, Meteo France International from 31st May to 4th June 2010.

S/Shri N. T. Niyas, Met. I, D.J. Bhattacharya, AM-I, Kalayansundaram Adiga, A.M.-II and **Dr. D.M. Rase**, AM-II attended course in Mentoring skills conducted by MoES and DoPT at National Institute of Oceanography (NIO), Goa from 3rd to 5th May 2010.

Smt. M. G. Huparikar, A.M. I was deputed to undergo training on “Leadership and communication skills – HP II” at National Water Academy, Pune during 24-28th May 2010.

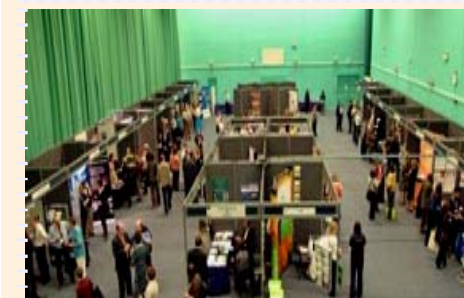
PARTIAL ECLIPSE OF MOON



A Partial Eclipse of Moon occurred on 26th June 2010. The beginning of umbral phase was visible from central south America, north east USA, Central Canada and part of Arctic Ocean. Ending of the umbral phase was visible from some part of the Indian ocean, northeast India, Middle China, Mangolia and north east part of the Russia.

EXHIBITIONS

Science Exhibition



During the Seminar ‘TROPMET 2010’ organized by IMS from 19-21 May 2010, a Science Exhibition was also organized at Kolkata Information Centre. Several manufacturing companies, IT sectors, other corporate houses and Government organizations participated in this Exhibition and displayed their products, information, posters etc.

8th Infra Educa – 2010

Shri J.P.S. Bhullar, A.M.II of ITC participated in “8th Infra Educa – 2010” organized by Friendz Exhibition & Promotions Pvt. Ltd., New Delhi on 29 & 30 May 2010 at Pragati Maidan, New Delhi.



POSTER PRESENTATION

An abstract of research paper entitled “Objective analysis of wind measurements with modern observing systems and an indigenous high wind speed recorder during Indian northeast monsoon 2009” by **Ms. B. Amudha**, Met.I and others has been accepted for poster presentation in the WMO Technical Conference on Meteorological and Environmental Instruments and Methods of Observation-TECO2010 to be held at Helsinki, Finland during 30th August – 1st September 2010.

FOREIGN VISITS

Shri. A. K. Srivastava, Director attended Sixth Session of the Forum on Regional Climate Monitoring Assessment and Prediction for Asia (FOCRA II) at Beijing, China from 6th to 8th April 2010.

Dr. R. S. Dattatrayam, Scientist, "F" was deputed to Banda Aceh, Indonesia from 14-16 April 2010 to attend the 7th Session of Inter-Governmental Coordination Group for the Indian Ocean Tsunami Warning and Mitigation System.

Shri. A. K. Jaswal, Director attended first CBS meeting of Inter Panel Expert Team on Metadata and Data Interoperability held at Geneva, Switzerland from 27th to 29th April 2010.

Shri A. D. Tathe, Meteorologist was deputed to participate in the programme 'ICT for Meteorological Services for SAARC Countries' during 01-30 May 2010 at Seoul, Korea. The programme was organised by KOICA under Official Development Assistance programme of the Government.

Shri Satish Bhatia, Director was deputed to Kathmandu, Nepal to attend Planning Meeting for site selection for installation of AWS, GPS Sonde and Doppler Weather Radar under SAARC Storm Programme from 24-26 May 2010.

Dr. Jayanta Sarkar, Director attended the WMO/UNISDR Expert Group Meeting on Agricultural Drought Indices, held at Murcia, Spain from 2-4 June 2010.

Shri S. Krishnaiah, Scientist "F", was deputed to Geneva, Switzerland to attend 6th Session of Expert Team on requirement and Implementation of AWS Platform from 22-25 June 2010.

Three Officers have been deputed to USA to participate in Training Course on INSAT-3D Project at University of Wisconsin, Madison, USA, during 6th June to 5th October 2010.

13 Officers have been deputed for twelve week training under Modernization programs on Operation and Maintenance of Doppler Weather Radar at Beijing, China during period from 21st June to 12th September 2010.

SAARC SEMINAR AT COLOMBO



Dr. R. K. Jenamani, Scientist-E, IMD and Mr. G.B. Samarasinghe, DGM, Department of Meteorology Sri Lanka at Colombo

Dr. S.N. Roy, DDGM, RMC Kolkata and Dr. R. K. Jenamani, Scientist E visited Sri Lanka and participated in two days SAARC Seminar in Colombo, organized by SMRC, Bangladesh, Dhaka and Department of Meteorology, Government of Sri Lanka on "Application of Meteorology in Mitigating Aviation hazards" during 14-15 June 2010. Dr. R. K. Jenamani, presented two research papers. One of the recommendations in this important meeting was to extend the present development and improvement done in India in the field of Fog Monitoring, understanding its Science and objective method of Fog forecasting to other SAARC Countries.

DISTINGUISHED VISITORS

Mr. Arif Mahmood, Chief Meteorologist, Pakistan Met. Department visited Met. Office Pune on 16th April 2010.

Shri K. Rathnakar and Shri Sreekanth (Engineer) from M.C.F. Hassan visited earth station on 3rd and 4th May 2010 in connection with installation of INSAT-3D Ground Receiving System.

Scientists of State and Central Govt. visited cyclone warning division of IMD to share the activities/experiences of IMD on 11th May 2010.

Mr. Gary Quinn, Engineer, Environmental Systems & Services [ES&S] Australia and Engineers from BK Consimpex New Delhi visited Observatory during 17th and 18th May 2010 for frequency/site clearance of the HRPT installation at RS/RW buildings AMO Chennai. Mr. Gary Quinn gave a power point presentation on METOP Satellite based HRPT hardware/software and Products on 18th May 2010 in AMO Chennai.

ACHIEVEMENTS

Dr. V. Rajeswara Rao, Director was on tour to Andhra University, Visakhapatnam as external Examiner for M.Sc examination.

Dr. R. Suresh, Scientist 'E' conducted Ph.D public viva-voce examination for Group Captain R. M. Saxena, from Bharathiar University held at Air force Administrative College Coimbatore on 7th April 2010.

Dr. R. Suresh, Scientist 'E' participated as an external member in the assessment committee for upgradation from JRF to SRF of a research student of Radiology Safety Division, IGCAR, Kalpakkam Chennai on 10th April 2010.

Dr. S. D. Attri, Director attended meeting of the "Board of Post Graduate Studies in Environmental Sciences & Engineering" as External Expert at Guru Jambheshwar University, Hissar on 19th April, 2010.

Dr. S. Balachandran attended evaluation committee meeting as member for selection of consultant for execution of the UNDP project on "Risk and vulnerability mapping of Puduchery and Karaikal district" on 5th May 2010 at Collector's office, Pondicherry.

Dr. D. M. Rase, AM-II has been selected for potential recognized trainers (PRTS) for mentoring Master trainer and was deputed to IMG Thiruvananthapuram during 15-22 May 2010.

Shri Anand Kumar Sharma, Director Meteorological Centre, Dehra Dun was awarded "Honour of Uttarakhand" for his contribution to society, by the Forum for Emotional Intelligence Learning (FEIL), Dehra Dun Chapter at the Doon School, Dehra Dun on 8th June 2010 which was sponsored by Uttarakhand Council for Science and Technology, Dehra Dun.

Shri Anand Kumar Sharma, Director Meteorological Centre, Dehra Dun was nominated as an expert by the Chancellor & the Governor of Uttarakhand in the selection committee for the post of Dean, Post Graduate studies, of the Pantnagar Agricultural University, Pantnagar.

Dr. V. R. Rao, Sh. S. K. Mukherjee, Shri Kaushik and Shri Paliwal developed software to generate satellite products on CIPS at ISSD division.

WORKSHOP ON GPS UPPER-AIR OBSERVATIONS



A workshop on GPS Upper Air Observations was held on 19-20th April 2010 at New Delhi. AVM (Dr.) Ajit Tyagi, Director General of Meteorology, inaugurated the workshop and Shri D.R. Sikka Retd. Director, IITM Pune, chaired the workshop to provide guidance for improvement of the GPS based RS/RW observation. The workshop turned out to be useful. Shri P. K. Jain, DDGM (UI) presented the overview of upper air network of IMD and informed about the actions initiated for modernization of upper air network. Shri Sikka gave the brief history of upper air radio sonde in India and explained the purpose, use and importance of upper air data from GPS Upper Air Observation in NWP. Officers from O/o DDGM (UI) and invited guests delivered the lectures to improve the performance of the observations.

हिन्दी कार्यशाला का आयोजन

मुख्यालय में दिनांक 26 से 30 अप्रैल 2010 तक हिन्दी कार्यशाला का आयोजन किया गया जिसमें 14 कार्मिकों ने भाग लिया। कार्यशाला में भाग लेने वाले समस्त कार्मिकों को समापन समारोह के अवसर पर प्रमाण पत्र प्रदान किए गए।



श्री एल. आर. मीना, मौ.वि.उ.म.नि.(आई.एस.एस.डी.) श्रीमती सुषमा, उ.श्रे.लि. को प्रमाण पत्र देते हुए

USERS' WORKSHOP AT GANGTOK

A users' Workshop was organized by Meteorological Center, Gangtok on 30th April 2010 at the Seminar Hall of Office of the Chief Election Officer, Baluakhani, Gangtok. The conference was held in two sessions, the first being inaugural session and the second being the user's participation and interaction. On the occasion Mr. Bhim Prasad Dhungel, Minister for Tourism, & Science & Technology, Govt. of Sikkim, was the chief guest and AVM (Dr.) Ajit Tyagi, Director General of Meteorology presided over the conference.



Many senior officers of IMD, State & Central Government officials from Sikkim also participated. DGM gave introduction about advance technologies for better and accurate weather prediction and its timely dissemination to the end users of Sikkim.

OTHER WORKSHOPS

Dr. Jayanta Sarkar, Director participated in the Training Workshop on "Climate Risk Management in Agriculture" held at Bhubaneswar from 12th to 17th April 2010.

Shri L. D. P. Roy Director, M. C. Bhubaneswar participated in a "Workshop on State level Vulnerability Assessment and Adaptation strategies" held on 17th April, 2010 at Bhubaneswar.

Dr. H. R. Hatwar, ADGM(R) attended the workshop on 'CTCZ- Pilot : Initial Results' held at IITM, Pune on 29th & 30th April 2010.

Shri S. B. Thampi, Scientist 'E', DWR Chennai and Ms.B.Amudha, Met. Gr.I, RMC Chennai participated in a workshop on Coastal HF Radar organized by National Institute of Ocean Technology, Chennai on 13th May 2010.

Shri N. Y. Apte, DDGM(H) attended an inception workshop on Establishment of Regional Flood Information System in the Hindu Kush-Himalayan Region during the period 23-25 June 2010 organized by International Centre for Mountain Development (ICIMOD), Kathmandu, Nepal.

SOUTH ASIAN CLIMATE OUTLOOK FORUM

IMD organized South Asian Climate Outlook Forum (SASCOF) meeting at Indian Institute of Tropical Meteorology, Pune from 13 April to 15 April 2010 jointly with World Meteorological Organisation (WMO) and Indian Institute of Tropical Meteorology, Pune. Experts from other SASCOF member countries viz. Afghanistan, Bangladesh, Bhutan, Maldives, Nepal, Pakistan and Sri Lanka, participated AVM (Dr.) Ajit Tyagi, DGM, Dr. H.R.Hatwar, ADGM(R), Dr. R. D. Vashishta, Scientist F, and many other scientists from IMD attended the meeting. It was recognized that climate predictions could be of substantial significance in risk management and adaptation to cope with the impacts of climate variability and change.

MEDIA WORKSHOP

IMD organized one day workshop on, "Communicating Weather and Climate Information" on 14th May 2010 at India Islamic Cultural Centre, New Delhi with an aim to enhance the interaction between weather experts and media personnel. After the lighting ceremony DG IMD addressed the media people during the opening session. Other speakers highlighted prevailing public weather services of this department to media people.



Shri Prabhu Chawla addressing the audience

The Hon'ble Minister of S&T graced the valedictory function as Chief Guest & Secretary MoES presided over the session. Dr. Aruna Sharma, DG, Doordarshan & Shri Prabhu Chawla, Editor, India Today, were the Guests of Honour. They spoke about importance of media and weather-men during adverse weather situation. Electronic and print media may play very critical role not only in disseminating the weather forecast/ warnings to every nook & corner of the country but also in making these understandable to the common people in their language.