Training plans for FY-3 (CHINA)

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National Satellite Meteorological Center, China
Meteorological Administration
• Satellite Meteorological Training in China
• Training plans for FY-3 satellite
Satellite Meteorological Training in China

- One of the WMO/CGMS Virtual Laboratory Centre
- **Participants:** Domestic and international users
- **Ways:** Residence and distance
- From 1999 to 2010, 16 face to face courses were run in CMA, about 1000 participants attended training.
## Part of the courses

<table>
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<th>Course name</th>
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<tr>
<td>1</td>
<td>the fundamental satellite meteorology</td>
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<td>the PC forecasting system for rainstorm and deep convection</td>
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<td>the principles and application on environment monitoring</td>
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<td>14</td>
<td>the recent scientific research achievement on disaster warning and prediction</td>
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2 Satellite courses of two weeks each with about 100 participants altogether every year

About 9000 registered participants attended satellite meteorology distance training in recent 4 years.
International Training

- WMO Regional Training Centre (RTC) Nanjing was established in 1993. With cosponsorship of WMO, the Centre has held 48 international and 14 bilateral training courses. More than 1200 meteorologists from 127 countries and regions in Asia, South-West Pacific, Africa, the Middle East, Latin America and East Europe participated in the courses.

- Beijing Component of WMO Regional Training Centre Nanjing was established in 2002. Which has held international training courses on Disaster Prevention, Climate Change, Satellite Meteorology, and Nowcasting.
3 satellite int’l training courses (2006/2008/2010)
36 participants
Training Page on Website

Viviparum state buffalo ditch snow 25 days
Download page

Training

- Satellite Meteorology
- FAQs
- Videos
- DownLoad
- Documents

Position: Home > Training > Satellite Meteorology

- Web master’s guide to Fengyun Satellite Data Center
  2011-01-19
- How to order customized FY-3A data with the web-based GIS tool
  2011-01-19
- Field portable directional reflectance measurement system in geo satellite site vicarious calibration
  2011-01-11
- Meteorological satellite data application training course handouts
  2010-11-13
- Satellite Images in weather analysis and forecasting
  2010-11-13
- The basis of satellite image analysis (Fang Zongyi)
  2010-11-13
- Nowcasting techniques and methods (Tandan Yu)
  2010-11-13
- Satellite data in short-term prediction - the concept model (Tandan Yu)
  2010-11-13
- Satellite data in short-term nowcasting application (Tandan Yu)
  2010-11-13
- FY-2C precipitation estimation products (Yu Ran)
  2010-11-13
Training plans for FY-3

- Designing more training courses
- Providing the application software
Future Plans

• Pilot course with global and distance learning features
  – Blended course
    • Face to face with real time distance learning
  – Virtual Training Room
    • An Internet based Audio-visual Virtual Training Room (VTR) on the platform of CMA distance education system

• Strive to enhance training capacity

• Improve on technology and facilities for distance education, upgrade training platform for virtual training room.
distance education system
the application software of FY-3

- Monitoring Analysis and Service System Software (MASS) is a basic application software designed concerning the FY-3 satellite observation, to provide a specialized remote sensing monitoring and processing platform for users.

- The 1.0 version of the software has been released in October 2010. So far, this system has been applied successfully in NSMC and provincial meteorological bureaus.
Software Function

1) Multi-source data reading and displaying
2) Image processing
3) Remote sensing processing tools
4) Monitoring product analysis function
5) Thematic map of monitoring product function
6) Operation management function
7) Monitoring products distribution function
Application Result

Fire monitoring and thematic map product

黑龙江（黑龙江省）火点信息显示
Water monitoring and analysis
Sandstorm monitoring and analysis
Fog monitoring and analysis
Snow monitoring and analysis
Drought monitoring and analysis
Level 2 product displaying and thematic map

FY-3A TOUXX 大气臭氧总量专题图

2009-08-29
Monitoring the range of volcano ash clouds in Iceland

Application Result

FY-3A/VIRR监测冰岛火山图像
2010年4月19日 12:45（世界时）
Monitoring oil spell in Mexico Bay
Fire monitoring in Russia

FY-3A/VIRR 俄罗斯火情监测图像
2010年8月01日 08:25（世界时）
Thanks for your attention