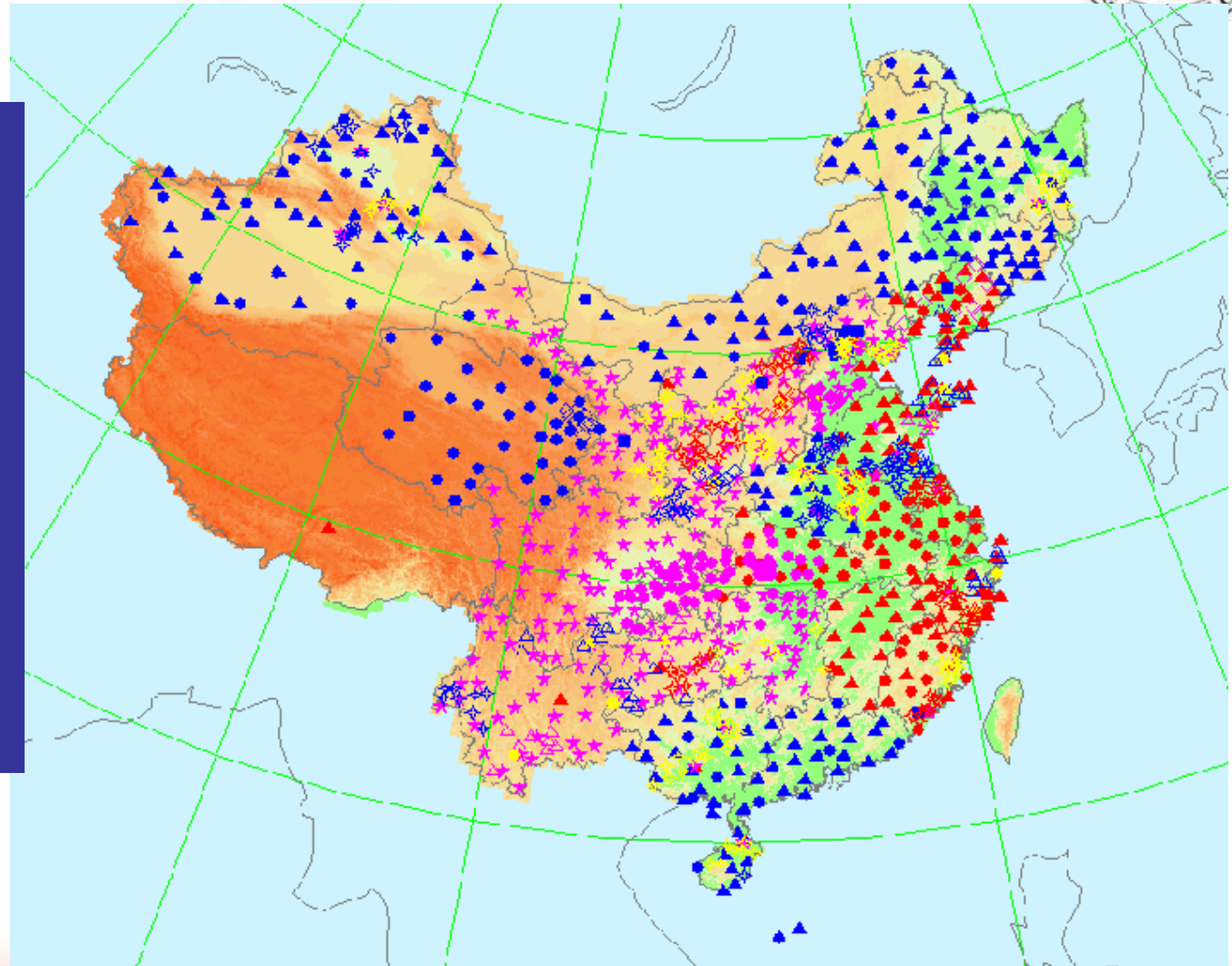




**About 4000  
AWS have  
been installed  
by the end of  
2005 for  
Mesoscale  
weather  
observation**





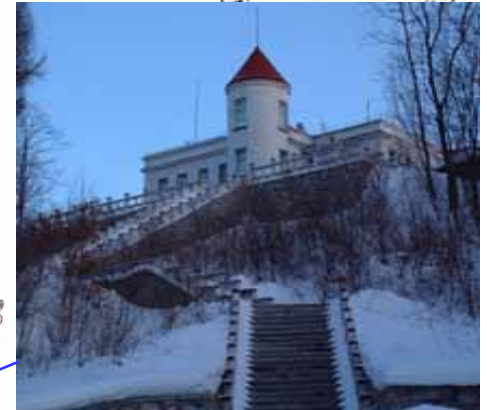
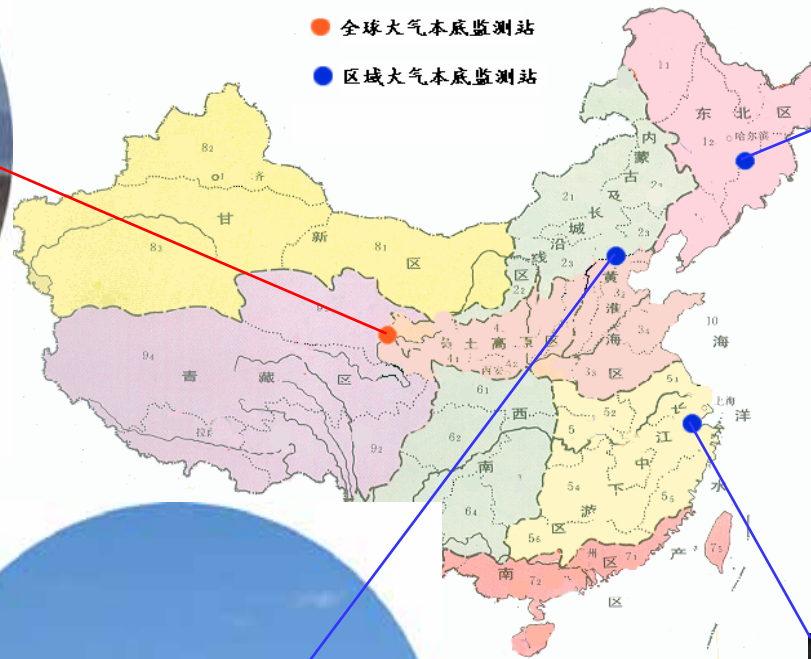
Waliguan

# 1 Global Atmospheric Watch (GAW) and 3 RAW STATIONS



Waliguan

Shangdianzi



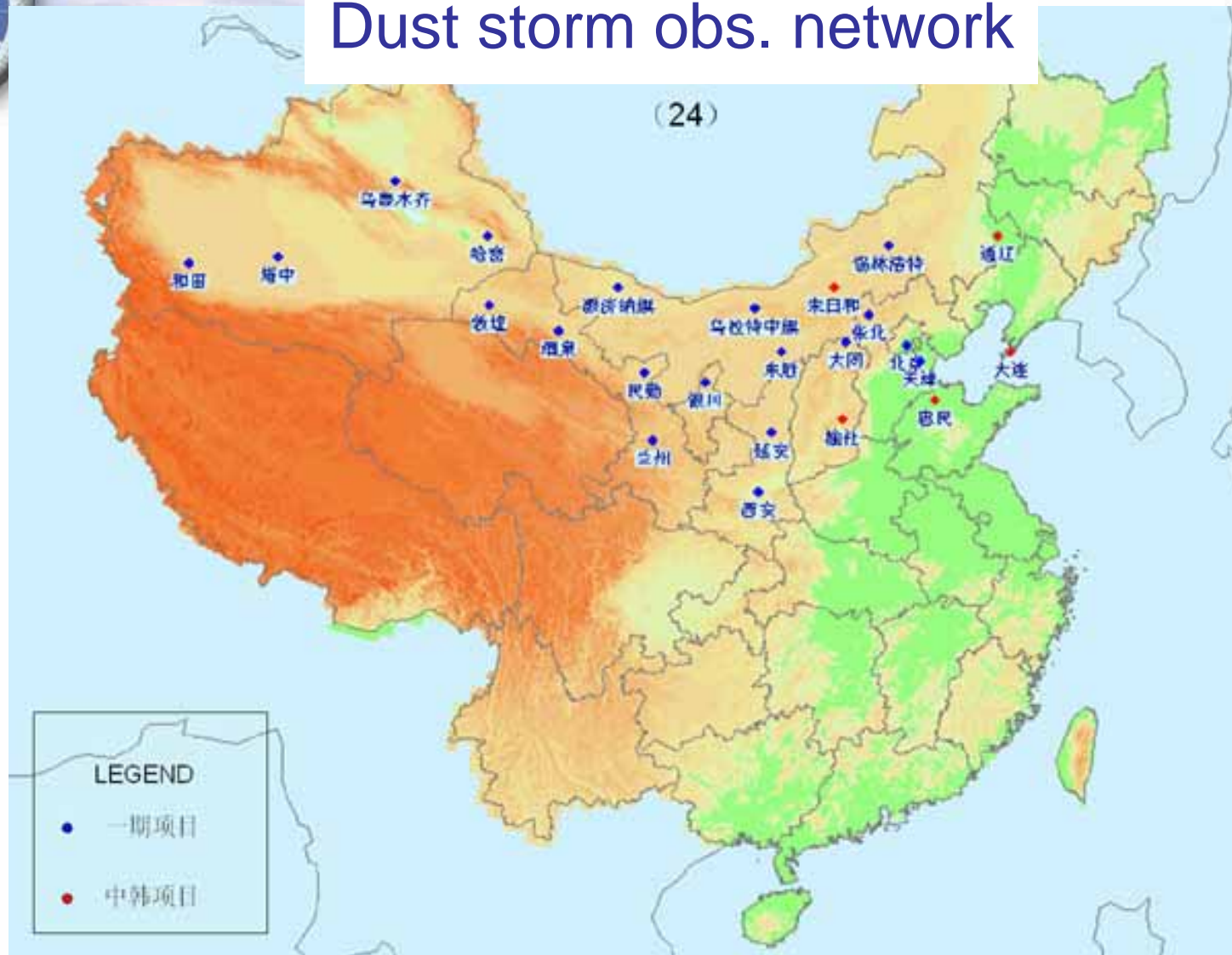
Longfengshan

Lin An



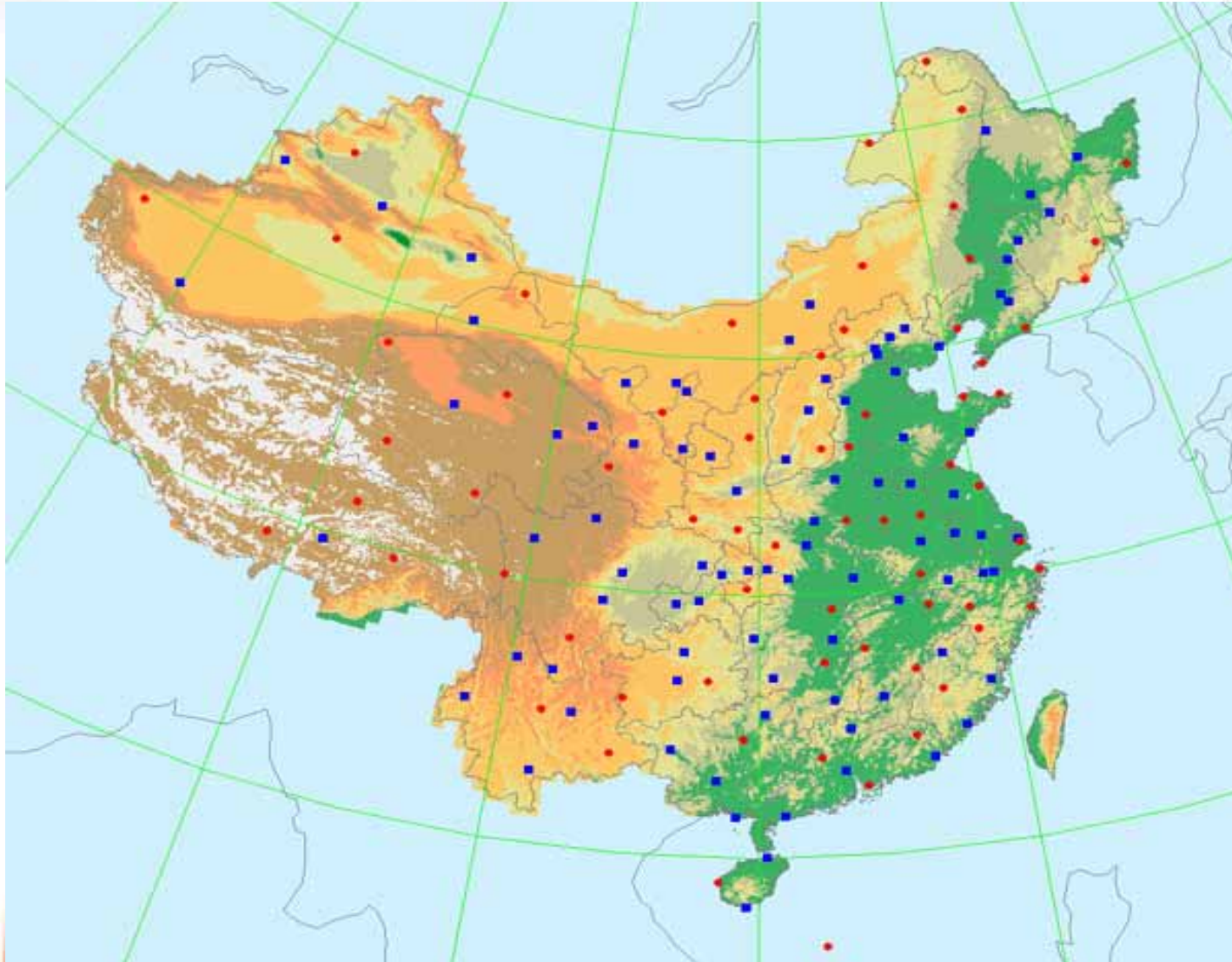


# Dust storm obs. network





## Acid Rain obs. network (89 -157)





# Other Soundings

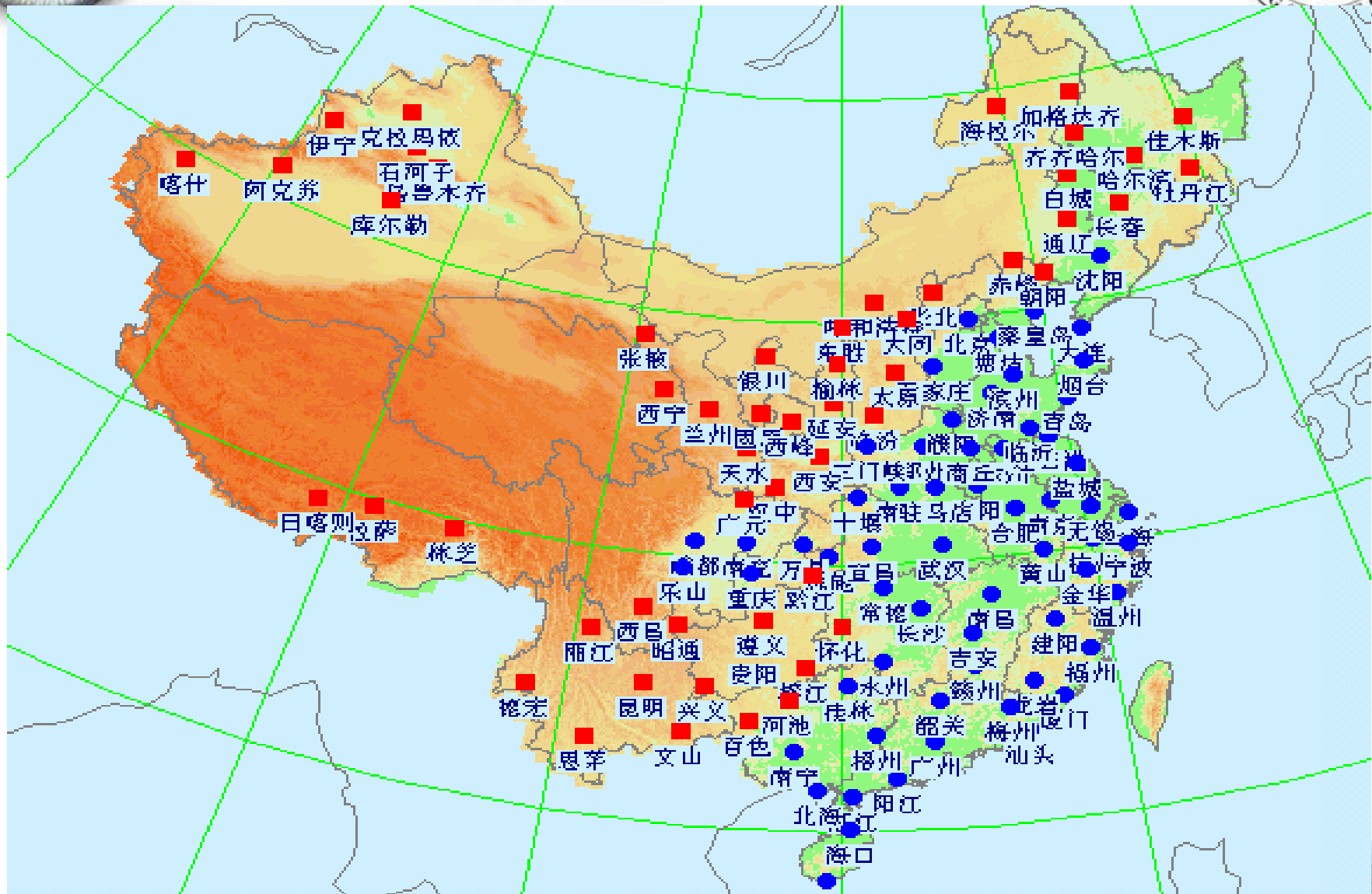


- **100 L band radio-sounding stations**
- **10 GPS sounding system.**
- **3 Ozone sounding stations.**
- **100 Lightning detection stations.**
- **35 GPS/MET stations.**
- **6 Wind profilers.**





# The Doppler Radar network (101-158)





# CMA Satellite Programs





## FengYun Met. Satellites

- Two series of FengYun met. Satellites are developed (polar and geo.)
- 7 satellites have been successfully launched (incl. FY-1A/B/C/D, FY-2/A/B/C)
- FY-1D, FY-2C are in operational now.

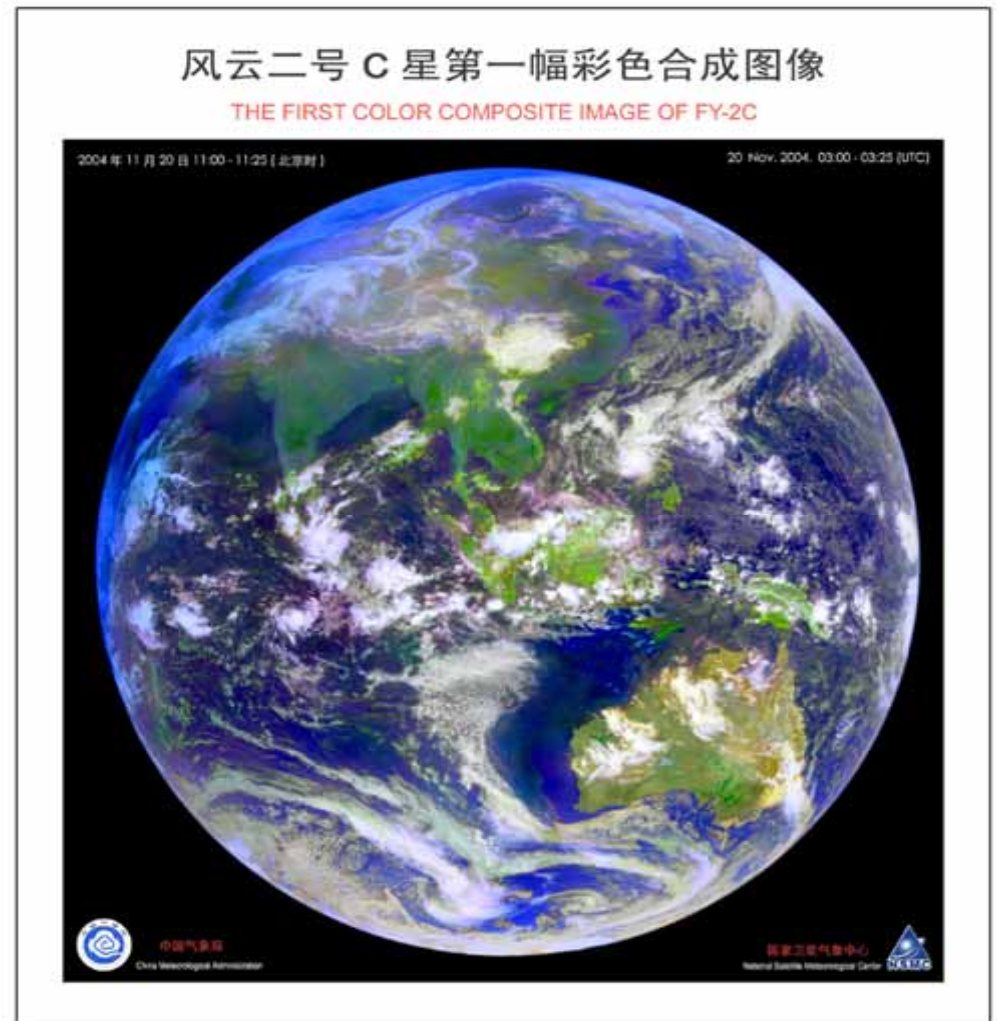




## The Latest Successful launch of FY-2C



- ◆ 09:20 (BJ), Oct. 19, 2004, FY-2C launched ;
- ◆ Oct. 24, 2004 positioned on 105°E over equator
- ◆ Nov. 20, 2004, first image acquired
- ◆ Full operation from the beginning of 2005.





## Ground segment of FY-2C

- A brand-new ground segment is established and put into operation since FY-2C launch;
- More than 20 products for FY-2C have been developed, validated, tested and ;
- The FY-2D launch is scheduled for Nov. 2006.





# Satellite Operational Control Center In NSMC/CMA





## FY-2C major products

- Preprocessing and Image products
  - Global Image with Registration and Navigation
  - Channel data cross calibration with NOAA data
  - Sector images
  - Image mosaic, MTSAT
- Quantitative products
  - Rainfall estimation
  - OLR, THB
  - Cloud Motion Vector (CMV)
  - Cloud Amount
  - Total Precipitation water
  - Moisture profile (cloud products)
  - Cloud classification
  - Fog, Fire, Sea ice, Soil Wetness, snow cover

