

Prepared by KMA  
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## **THE 1<sup>ST</sup> INTERNATIONAL TRAINING COURSE ON ANALYSIS OF COMS DATA IN KOREA**

This document reports the 1<sup>st</sup> International Training Course on Analysis of COMS Data in Korea. The KMA organized the training course for foreign users from 13 countries in the Asia-Pacific Area in order to introduce the COMS program and to form the user community of COMS data.

\* *COMS : Communication, Ocean, and Meteorological Satellite*

\* *KMA : Korea Meteorological Administration*

## **The 1<sup>st</sup> International Training Course on Analysis of COMS Data**

This document is to report the successful result of the 1<sup>st</sup> International Training Course on Analysis of COMS (Communication, Ocean and Meteorological Satellite) Data, which was held in Seoul, Republic of Korea during 2-17 September, 2007.

### **1 Objectives of the Training Course**

Korea Meteorological Administration (KMA) and Korea International Cooperation Agency (KOICA) jointly organized the 1<sup>st</sup> International Training Course on Analysis of COMS Data. The Course took place at KMA Headquarters in Seoul, Republic of Korea during September 2-17, 2007. The objectives of the course are;

- a) To introduce the COMS which is the first Geostationary Meteorological Satellite to be launched by Korea in 2009;
- b) To understand the COMS program such as development plan, satellite system, and data processing system;
- c) To enhance overall knowledge about meteorological satellite how to receive and use the COMS data in their own countries;
- d) To extend the understanding on the meteorological products from satellite data to apply meteorological analysis and forecasting; and,
- e) To form an international user community to share the various kinds of information on COMS, which would cover the Asia-Pacific area.

### **2 Participants and Sessions of the Training Course**

Participants from 13 countries in Asia-Pacific area, namely: Bangladesh, East Timor, Fiji, Indonesia, Laos, Mongolia, Myanmar, Nepal, Pakistan, Philippines, Sri Lanka, Thailand, and Vietnam were given 17 lectures. The detailed sessions are as follows;

- a) Session I: Introduction and Development Plans of COMS
  - Current Status and Development Plans of Korea's Meteorological Satellite
  - COMS Missions (Communication, Ocean, Meteorological Monitoring)
- b) Session II: COMS Meteorological Imager (MI)
  - Characteristics and Performance of COMS MI
  - Observation Mission and Operation Plan
- c) Session III: Preprocessing of COMS data
  - Concept and Methodology of Radiometric Calibration/Validation
  - Concept and Methodology of Image Navigation/Registration
- d) Session IV: Operation Plans of Meteorological Satellite Center/KMA
  - Dissemination Plans of COMS MI User Data
  - Medium/Small-Scale Data Utilization Station (MDUS/SDUS)

e) Session V: Production and Application of COMS Meteorological Data

- Meteorological Products according to the Characteristics of MI Channel
- Applications for Weather Analysis and Forecasting
- Satellite Image Analysis (Typhoon, Asian Dust, Precipitation, Fog, Forest Fire)

Participants presented the status of meteorological satellite services in their own countries and experienced Korean culture as well. KMA plans to hold this training course every year to extend the COMS user community in the Asia-Pacific area.



Mr. Man-Ki Lee (fourth from the right, front row), Administrator of KMA, the training course instructors and staff members of KMA, pictured here with the 13 participants of the training course.