

March 11, 2003 Tuesday*Welcome*

9:15-9:35 Tony Hollingsworth, Arnie Gruber

Introduction

9:35-10:00 Masao Kanamitsu (SIO/UCSD)

Session I-a. Precipitation analysis procedures (GPCP, CMAP)

Chair person: Arnie Gruber

- 1** 10:00-10:40 George Huffman and Bob Adler (GSFC/NASA)
(1) The Current Approach to GPCP Monthly and Daily Precipitation Estimates.
(2) The Multi-satellite Precipitation Analysis (MPA) in Real and Post-Real Time.

Break (10:40-11:00)

- 2** 11:00-11:25 Pingping Xie, Yelena Yarosh, John Janowiak (NCEP/NOAA), and Phillip A. Arkin (ESSIC/UMD)
Techniques used to create CMAP and their potential improvements

Session I-b. Precipitation analysis procedures (NWP data assimilation)

Chair person: Peter Bauer

- 3** 11:25-11:50 Philippe Lopez (ECMWF)
Precipitation assimilation at ECMWF
- 4** 11:50-12:15 Arthur Hou (DAO/NASA/GSFC)
Precipitation assimilation at NASA Goddard
- 5** 12:15-12:40 Bruce MacPherson (Met Office)
Precipitation assimilation at the Met Office (UK) and COST-717 collaboration in Europe

Lunch (12:40-1:50)

- 6** 1:50-2:15 Peter Bauer (ECMWF)
Estimation of rainfall and its error characteristics from satellite observations
- 7** 2:15-2:40 Ko Koizumi (JMA)
Precipitation assimilation to JMA mesoscale model using a 4D-Var method
- 8** 2:40-3:05 Per Kallberg (ECMWF)
The precipitation in ERA-40

Session I-c. Precipitation analysis procedures (Other methods)

Chair person: Yukari Takayabu

- 9** 3:05-3:30 Murray Salby (U. Colorado)
Gridding of Global precipitation from satellite measurements

Break (3:30-4:05)

- 10** 4:05-4:30 Evgeny Yarosh, Wayne Higgins and Wei Shi (NCEP/NOAA)
High-resolution daily precipitation analysis over U.S. at CPC/NCEP
- 11** 4:30-4:55 Joe Turk (NRL)
Blending precipitation data sets from multiple sources at short time scales
- 12** 4:55-5:20 E. Ebert (BMO)
The Australian Operational Daily Rain Gauge Analysis
- 13** 5:20-5:45 Jurgen Grieser (DWD)
Towards an adaptive method for spatial interpolation of global rain gauge data
- 5:45- *Cocktails*

March 12, 2003 Wednesday

- 14** 9:15-9:40 Xiaogang Gao, Soroosh Sorooshian, and Kuolin Hsu
Strategy of Error Analysis and Reduction in the PERSIANN System

Session II - Observation characteristics (rain gauge and satellite)

Chair person: Beth Ebert

- 15** 9:40-10:05 Udo Schneider (GPCC/DWD)
Operational processing, quality control and analysis of precipitation data at GPCC
- 16** 10:05-10:30 Yukari Takayabu (CCSR/Univ. Tokyo) - Characteristics of precipitation as observed by TRMM PR

Session III. Validation and Collaboration

Chair person: Pingping Xie

Break (10:30-10:50)

- 17** 10:50-11:15 Efi Foufoula (Univ. Minn.) - Multisensor-multiscale precipitation datasets and model Verification
- 18** 11:15-11:40 A. Ghelli (ECMWF) - The relevance of gridded rainfall observations to verify ECMWF precipitation forecasts
- 19** 11:40-12:05 Krajewski (U. Iowa) - Error characteristics of rain gauge and radar estimates and validation issues
- 20** 12:05-12:30 Mark Serreze (NSIDC) - Monitoring Precipitation over the Arctic drainage: Data requirements, shortcomings and applications of atmospheric reanalysis

Lunch (12:30-1:45)

- 21** 1:45-2:10 V. Levizzani (CNR, Italy) and Arnie Gruber (NESDIS/NOAA) - The international Precipitation working Group: Opportunities and perspectives

Discussions

- 2:15 -5:30 Guidance to Working Group and breakout
- Analysis procedure
 - Data assimilation
 - Observation error characteristics
- 5:30- *Informal buffet in the ECMWF Restaurant*

March 13, 2003 Thursday

- 9:15 – 10:45 Working Group discussions continue
- 10:45– 11:00 *Break*
- 11:00 – 1:00 Plenary Session – Report of Working Group and Recommendations