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Agenda Item: II/4
Discussed in WG II

NOAA SUPPORT OF IPWG

This paper is in response to Action 31.29. IPWG progress will be reported more fully after October 2004 meeting.

NOAA SUPPORT OF IPWG

1 ALGORITHM INVENTORY

NESDIS has contributed several of its algorithms to the algorithm inventory. These are; GOES Multi-spectral Rainfall Algorithm by Ba and Gruber, the Hydro-Estimator for heavy precipitation rates by Scofield, two SSM/I rain rate retrieval algorithms, global operational rain rates, global monthly and pentad rainfall by Ferraro, and two AMSU microwave algorithms.

2 IPWG SPONSORED INTERNATIONAL VALIDATION.

Arnold Gruber initiated and coordinated an IPWG/GPCP International Validation of daily rainfall algorithms. Currently there is validation of daily satellite rainfall estimates over the continental United States and Australia, and there is an attempt to get European involvement (funding is an issue). John Janowiak of NWS/CPC is responsible for the validation over US and Beth Ebert of BMRC is responsible for validation over Australia. Beth is the lead for the project that is scheduled for the period 1 January 2004 – 31 December 2004. Arnold Gruber is archiving the global daily estimates for 00Z and 12Z at CICS. It is open to anyone who wants to participate. Web sites are: Australia - http://www.bom.gov.au/bmrc/wefor/staff/eee/SatRainVal/dailyval_dev.html
USA - http://www.cpc.ncep.noaa.gov/products/janowiak/us_web.shtml

3 ASSESSMENT OF GPCP PRECIPITATION

The GEWEX SSG has approved the assessment of GEWEX data sets as a possible contribution to the next IPCC. We would like to involve the IPWG as a contributor to this assessment and Vincenzo Levizzani, Arnold Gruber, and Bob Adler will be coordinating this effort. They are in the early planning stages.

4 PLANNING FOR NEXT IPWG MEETING

Arnold Gruber is working with Joe Turk and Vincenzo Levizzani in planning the next IPWG meeting to be held 25-28 October 2004 in Monterrey California. A first announcement was distributed and a second announcement identifying the themes is being developed. Likely themes for the meeting are rainfall retrievals in complex terrain, solid precipitation rates, and results of the International Validation described in section 2.