

WORLD METEOROLOGICAL ORGANIZATION

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COMMISSION FOR BASIC SYSTEMS  
OPEN PROGRAMME AREA GROUP ON INTEGRATED OBSERVING SYSTEMS

EXPERT TEAM ON SATELLITE UTILIZATION AND PRODUCTS

ITEM: 7.2.3

EIGHTH SESSION

GENEVA, SWITZERLAND, 14-17 APRIL 2014

Original: ENGLISH

## **USE OF VISUALISATION TOOLS: Example case from RA-V**

*(Submitted by Anthony Rea)*

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### **Summary and Purpose of Document**

This document outlines some case studies of the use of visualization tools in RA-V.

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### **ACTION PROPOSED**

The eighth session is invited to note the information provided.

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## DISCUSSION

### Use of visualization tools: Bureau of Meteorology

1. The Bureau of Meteorology is implementing Visual Weather as an Enterprise-wide solution to data visualisation for forecasters. The system is proprietary, developed by IBL P/L, and can handle a range of model, satellite and surface data. As much as possible, the system is being adapted to read standard WMO and international formats. Information can be found at: <http://www.iblsoft.com/products/visualweather>
2. The EUMETSAT Forecast Simulator is being used for visualising rapid scan, RGB and regular satellite data. Bodo Zeschke (Bureau of Meteorology Training Centre) is currently working on modifying the EUMETSAT Forecast Simulator so that it can display 10 minute MTSAT-1R images, MODIS RGB products and regular data. Case studies have been developed within the Forecast Simulator and these will be used to train Bureau and RA-V Forecasters in the effective use of Himawari 8/9 style data.

### SATAID

3. SATAID is the Satellite Animation and Interactive Diagnosis tool developed by the JMA Meteorological satellite centre. Information can be found at: <http://www.wis-jma.go.jp/cms/sataid/app/>
4. A number of NMHSs in RA-V use SATAID in an operational context.
5. Bodo Zeschke (Bureau of Meteorology Training Centre) utilized (SATAID) when conducting the training course on 'Meteorological Satellite Data Applications' in Bogor, Indonesia 12-17 June 2013. The audience included BMKG Indonesia Forecasters.

### Web Browsers

6. For smaller NMHSs in RA-V, web browsers are a useful means of obtaining data from multiple sources. The US Naval Research Laboratory (NRL) Tropical Cyclone Page is a good example which is used by many NMHSs in RA-V. See: [http://www.nrlmry.navy.mil/tc\\_pages/tc\\_home.html](http://www.nrlmry.navy.mil/tc_pages/tc_home.html)
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