

**SSEC/CIMSS  
Seminar**

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**Newest developments on MSG  
applications: focus on RGB applications**

The amount of data from the world's weather satellites is overwhelming. While each type of data is valuable, it's almost impossible to use them all operationally. It's like trying to drink from a fire hose; there's simply too much data to absorb, and much of it ends up not being used.

"Red, Blue, Green" or RGB processing is a simple but powerful technique that consolidates different channels of satellite imagery into single products that are easy for forecasters to use. RGB processing used to be a visualization technique used mainly in research. But due to its popularity, it is increasingly available to operational forecasters. A prerequisite for this, however, is the standardization of RGB products, i.e. the selection of the most useful RGB products for operational forecasting, generated at each Meteorological Service with the same identical standard method/recipe.

The combination of individual images into RGB color composites is modernizing the interpretation of satellite imagery. While black and white imagery still has its uses, it often cannot match the effectiveness of RGB products. In fact, RGB images are often more useful than traditional color image enhancements.

The presentation will give an overview of important MSG applications, focusing on RGB products and the latest findings for dust, ash, water/ice clouds, fog, low-level moisture and fires / smoke.

**Thursday, 25 August 2011  
11:00 a.m.  
Room AOSS 351**