

Tailored Weather Radar Products for use in aviation

Thomas Wetter

Systems and Operations of the Aeronautical Meteorological Service, DWD, Germany

Zinkhan, Dirk (Systems and Operations of the Aeronautical Meteorological Service, DWD, Germany)

E-mail: Thomas.Wetter@dwd.de

The customer requirements for the use of weather radar products and data in aviation dictate the tailoring of the products and service provisions to these particular needs. To facilitate the use of weather radar in Air Traffic Management strategic and tactical use, General Aviation self briefing & navigation and Total Airport Management, a broad range of products and services has been developed and deployed by the Aeronautical Meteorological Service of the German national weather Service DWD.

A selection of products, data formats and services will be presented, including:

- EuRadCom: The European Radar Composite used by EUROCONTROL and the German ATC Deutsche Flugsicherung (DFS)
- ASTERIX CAT09: Vector data format for direct use of weather radar data on the ATC controller working position
- Graphical products combining radar and lightning data for international airports
- Provision of products using an web-based platform for General Aviation