

# **The GOES-R Probability of Rainfall Algorithm**

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The Future Capability GOES-R Probability of Rainfall algorithm produces a field of probabilities of at least 1 mm of accumulated rainfall during the next 3 h at the GOES pixel scale. The algorithm was developed using SEVIRI data as a proxy for the GOES-R ABI and uses instantaneous rainfall rates every 15 min out to 3 h and 0-3 h rainfall accumulation forecasts from the GOES-R Rainfall Potential algorithm as the basis of the rainfall probabilities. This poster will describe the algorithm and its performance against radar data over Western Europe, as well as planned work leading up to the final September 2012 algorithm delivery.