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ProbSevere LightningCast Probabilities over Guam using Himawari imagery

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The NOAA/CIMSS ProbSevere portfolio includes the product LightningCast Probability, which uses 4 GOES-R ABI channels (0.64, 1.61, 10.3, 12.3) to diagnose the likelihood that lightning will occur in the next 60 minutes. This product has enthusiastic users in the USA National Weather Service, and its use has been demonstrated in experimental testbeds (This website: <https://goesrhwat.blogspot.com/search/label/LightningCast> includes forecaster-written blog posts that describe its utility)

A RealEarth instance that includes LightningCast imagery using Himawari-8 AHI data has recently been developed for the USA National Weather Service office on Guam (https://cimss.ssec.wisc.edu/severe_conv/pltg.html; training materials are also available at that website) and forecasters there are testing and documenting its use for Lightning Decision Support at airports on Guam. This talk will describe LightningCast as it was developed for ABI, its migration to AHI data, and how the forecasters use it on Guam.