

# **A Wide Swath Imaging Microwave Radiometer for Hurricane Observations**

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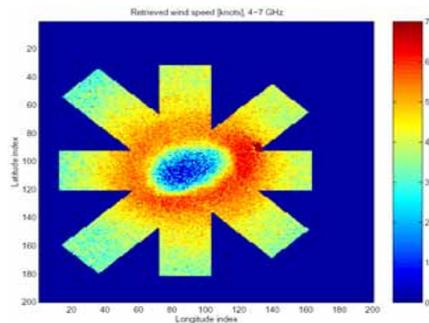
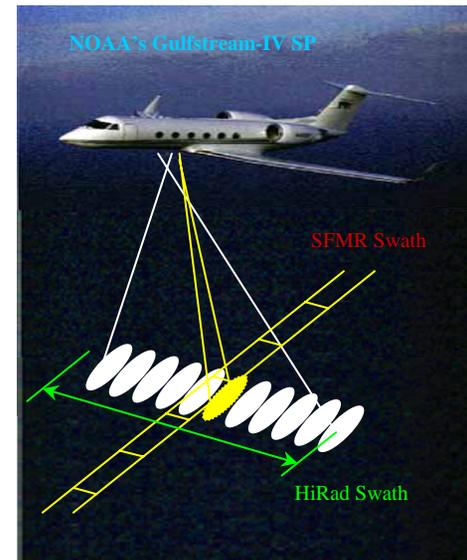
# HIRad Concept

## ► Concept

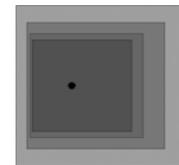
- HIRad offers wide swath and high resolution imaging from Gulfstream IV or a UAV.
- Potential for spaceborne application.

## ► Technology

- The multi-frequency, microstrip, stacked patch, thinned array is the technology challenge for HIRad.



HIRad wind speed simulation of Hurricane Floyd



Top



Side

HIRad Array Element Concept