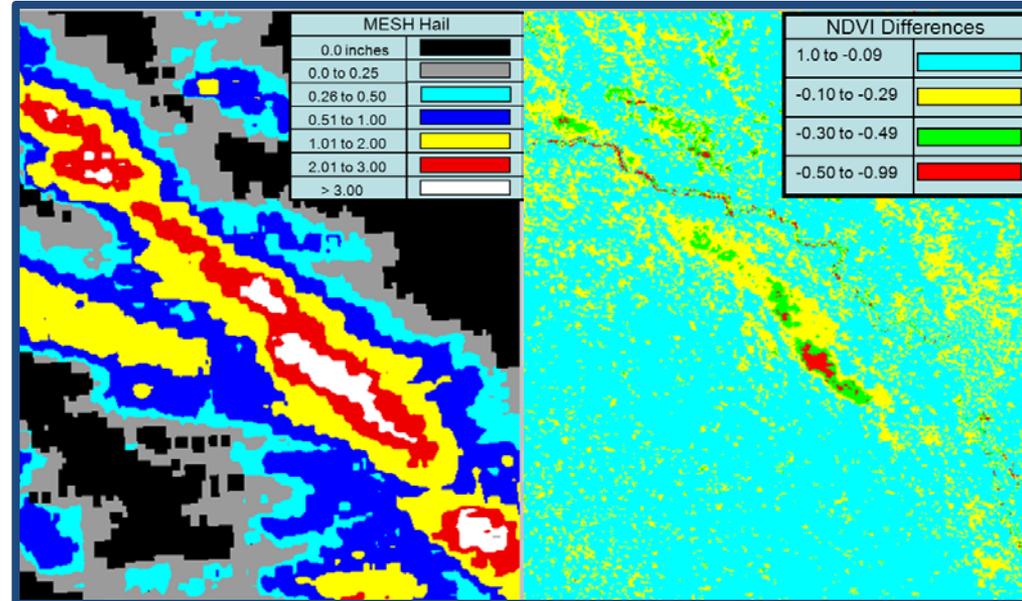




Development of GOES-R ABI Hail Validation and Assessment Products



- New near-IR channel on ABI permits computation of vegetation indices
- Greater frequency of clear sky land surface observations with GOES compared to polar satellites
- Vegetation indices (NDVI) monitored pre- and post-hail events
- Research related to hail size and duration detectable by ABI data
- Development of ABI products to validate and assess hail size and spatial extent
- Field surveys planned for development and validation of products
- Review of products planned at several NWS forecast offices



18 August 2011 storm event example of validation of MESH WDSS-II hail product (left) with simulated GOES-R NDVI difference product (right). Areas of greatest decrease in NDVI correspond to largest MESH estimated hail.

Development of GOES-R based products for validation and assessment of severe hail events

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