Hurricane Isaac

Robbie Berg
National Hurricane Center

National Hurricane Conference
New Orleans, LA
28 March 2013
Maximum winds: 70 kt
US Cost Estimate: $2.35 billion
34 deaths (24 in Haiti, 5 in the Dominican Republic, 3 in Louisiana, and 2 in Mississippi)
FWI Radar Mosaic

2012 / 08 / 22
00H00 UTC

REFLECTIVITY

- 62.0-66.0+
- 58.5-62.0
- 55.0-58.5
- 51.5-55.0
- 48.0-51.5
- 44.5-48.0
- 41.0-44.5
- 37.5-41.0
- 34.0-37.5
- 30.5-34.0
- 27.0-30.5
- 23.5-27.0
- 20.0-23.5
- 16.5-20.0
- 13.0-16.5 dBZ

RANGE: 400 km

METEO FRANCE
Toujours un temps d’avance
Storm surge: up to 11 ft above normal levels in LA
Inundation: up to 17 ft above ground in LA
(in some areas of Plaquemines Parish that are below sea level)
Isaac Storm Surge

Caernarvon, LA

Inundation 10.5 ft.

Biloxi, MS

Inundation 7 ft.
Inside levee: 11 ft in 1.4 hrs (7.9 ft/hour)
Outside levee: 10.5 ft in 6 hrs (1.75 ft/hour)
Isaac Tornadoes

- 17 tornadoes reported
  - 5 in Florida
  - 4 in Alabama
  - 6 in Mississippi
  - 2 in Illinois
- 3 people injured in Mississippi and 1 in Illinois
- Strongest was an EF-2 in Pascagoula, MS
- 9 additional tornadoes occurred in Illinois, Missouri, and Arkansas after Isaac became post-tropical
Isaac Rainfall/Flooding

- 9.28” near Ponce, Puerto Rico
- 16.18” in Barahona, Dominican Republic
- 14.08” in San Antonio del Sur, Cuba
- 15.86” in Loxahatchee, Florida
- Record flooding on the Wolf River (8.5 ft above flood stage near Gulfport, MS)
- Record flooding on the East Hobolochitto Creek (6.5 ft above flood stage near Caesar, LA)

Maxima:
- 26.71” Pascagoula, MS
- 23.22” Hammond, LA
Isaac Track Guidance
Isaac Intensity Forecasts

Isaac Official Intensity Forecasts – a consistent high bias
Questions?