

The Tampa Bay Catastrophic Plan

Greater Tampa Bay Chapter of the
Association of Contingency Planners
Valpak Headquarters – St. Petersburg
January 27, 2010

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Introduction

- Recent disasters demonstrate the need for a comprehensive plan that goes “above and beyond” typical disaster planning
 - Katrina
- Catastrophic Plan should be somewhat applicable to all disasters, not just hurricanes
 - Large-scale terrorism event, for example



Catastrophe vs. Disaster

- Generally, most organizations (government, businesses, families) have (or should have) plans to address disaster events
 - Obviously not ideal, but disasters can be prepared for and are somewhat manageable
- Catastrophes destroy or overwhelm resources over such a large area that some/most contingencies in disaster plans are no longer available options



Catastrophe vs. Disaster

- The core systems that keep our society running often have to be rebuilt, not just repaired
 - Government, economy, education, communications, healthcare, infrastructure, etc.
- Migration of population leads to large-scale changes in the demographic characteristics of a region
 - Who will make up the new post-catastrophe workforce?

Tampa Bay Catastrophic Plan



- Follows work done on the South Florida Catastrophic Plan
- Tampa Bay plan is being coordinated / developed by the Tampa Bay Regional Planning Council under contract with Florida Division of Emergency Management
 - Funding from U.S. DHS / FEMA

Catastrophic Planning Summit



- January 5 & 6 in Tampa
- Around 300 leaders representing a wide range of fields/backgrounds that would play a role in recovery from a catastrophic event



Catastrophic Planning Scenario



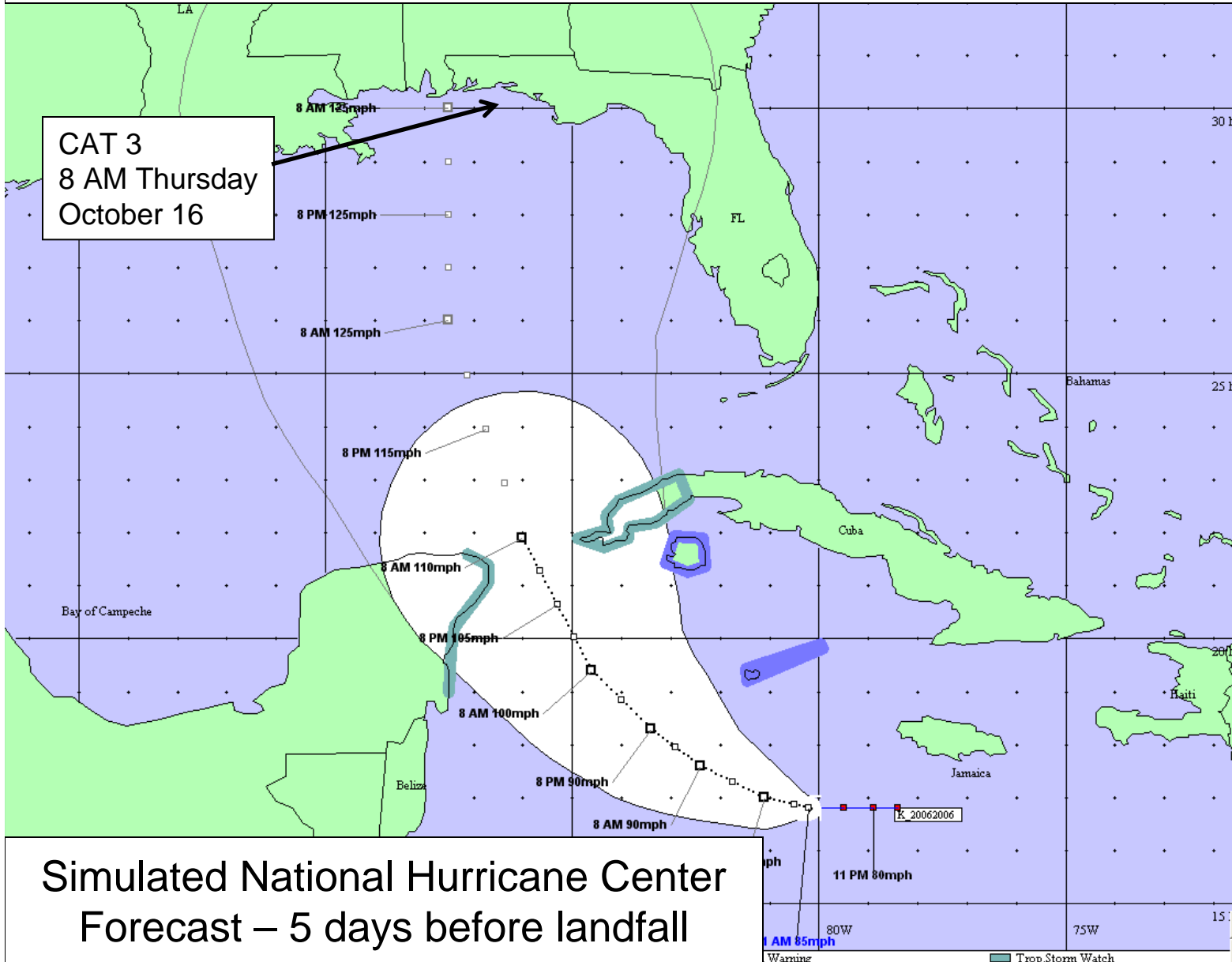
- Hurricane Phoenix
- Simulated storm developed by the Tampa Bay Area National Weather Service Forecast Office
- Represents “worst-case” hurricane scenario



SCENARIO VIDEO

<http://www.tampabaycatplan.org/scenario.shtml>

Hurricane Phoenix

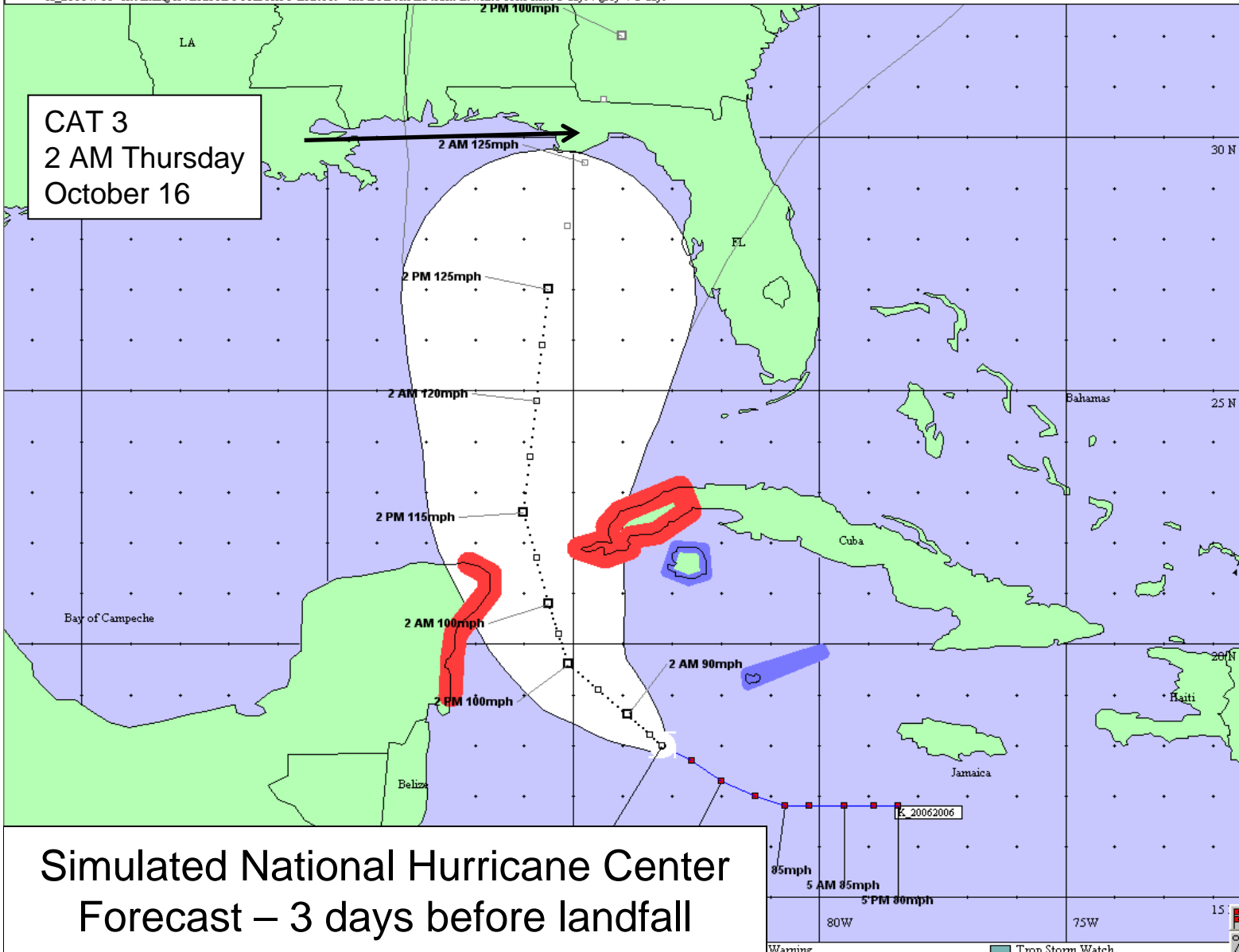


Simulated National Hurricane Center
Forecast – 5 days before landfall

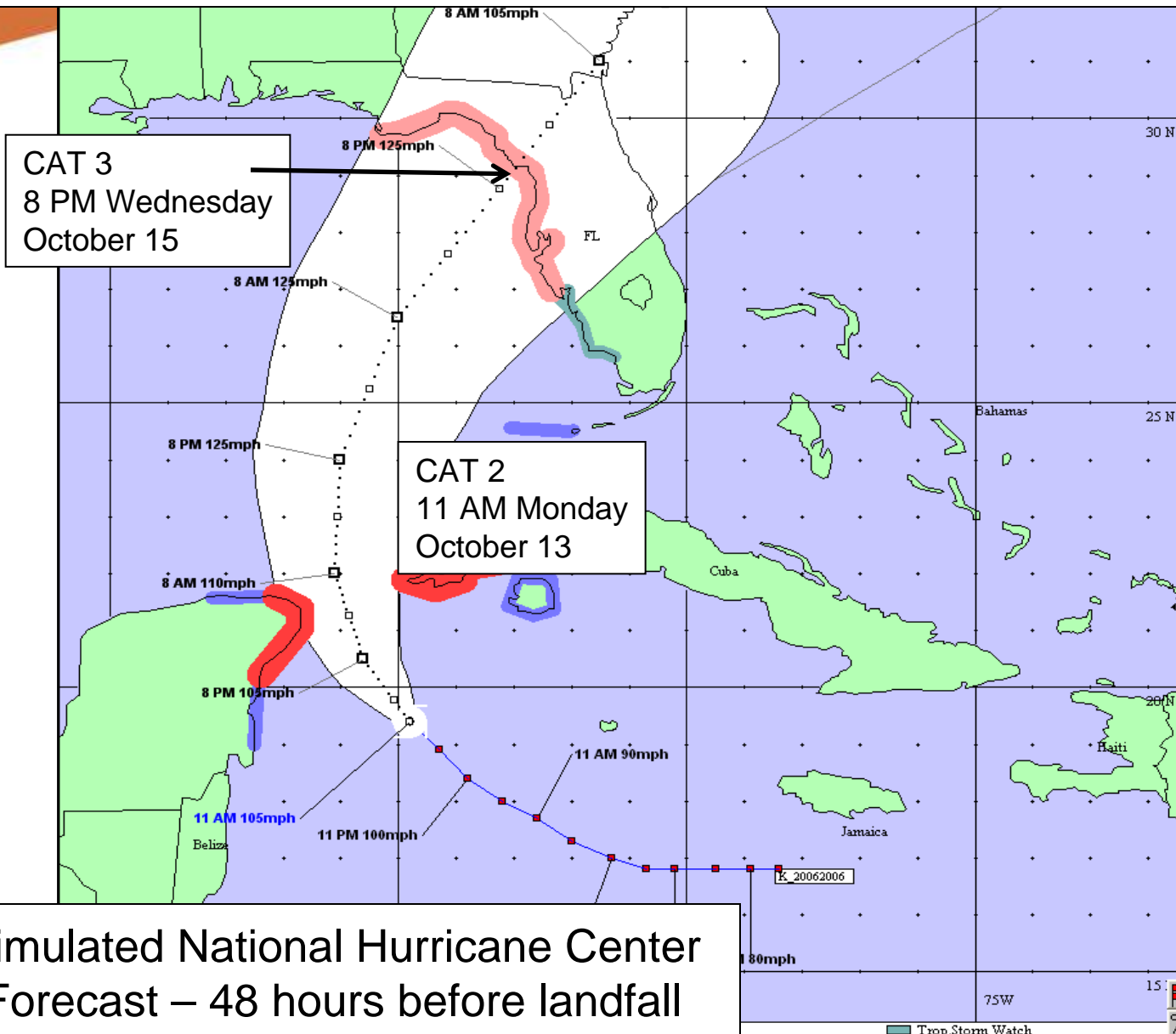
Hurricane Phoenix



K_2006 # 10 - Assuming AVERAGE FORECAST ERROR - the EYE should track in white cone next 3 days / grey 4-5 days

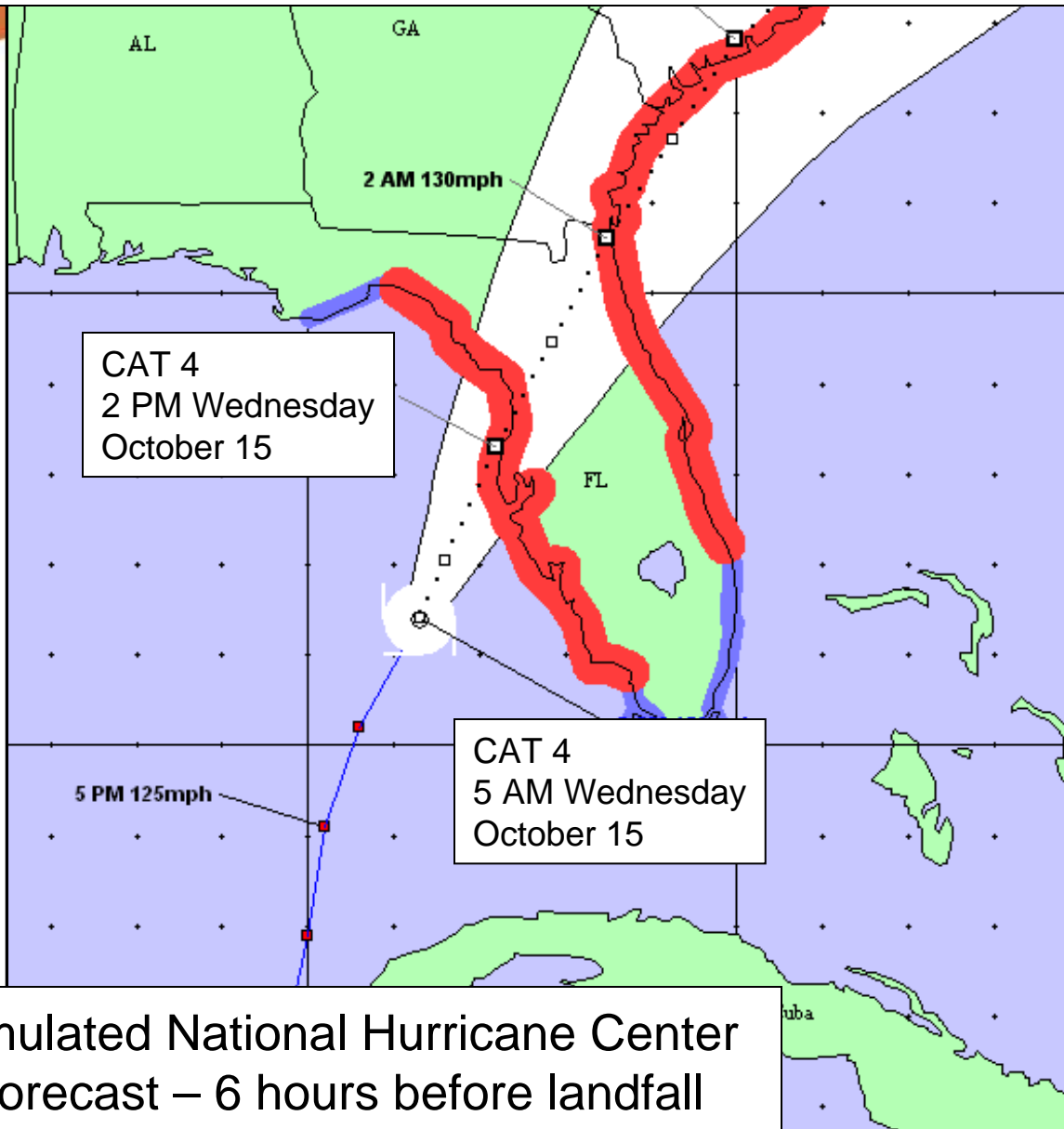


Hurricane Phoenix



Simulated National Hurricane Center
Forecast – 48 hours before landfall

Hurricane Phoenix



Simulated National Hurricane Center
Forecast – 6 hours before landfall



Hurricane Phoenix Impacts

- Storm track and intensity input into SLOSH model

<http://www.nhc.noaa.gov/HAW2/english/surge/slosh.shtml>

- Determines storm surge potential
 - Up to ~25 feet of storm surge in parts of Tampa Bay
 - All barrier islands completely overwashed



Hurricane Phoenix Impacts

- Storm track and intensity input into HAZUS
 - FEMA Loss-Estimation Software
 - Determines population affected, structural damage, and much more
 - See Scenario Information Guide and Consequences Report for details about estimated storm damage

<http://www.tampabaycatplan.org/scenario.shtml>

For More Information on the Tampa Bay Catastrophic Plan



www.tampabaycatplan.org