

**RANGE**

**STS-103**  
**FLIGHT READINESS REVIEW**

**November 19, 1999**

**Eastern Range**

<b>AGENDA</b>	

- Weather Data Buoy J. Madura
- Eastern Range Readiness Certificate M. Gawel

**WEATHER DATA BUOY 41010****Presenter:  
John Madura****Organization/Date:  
Launch & Payload Proc/11-19-99**

- Purpose
  - Provide wind and wave data for SRB Recovery Ship deployment decisions
  - Wind > 26 knots increases risk of SRB damage at water impact
  
- Location
  - 120 NM east of Cape Canaveral
  
- Issue
  - Buoy damaged by Hurricane Floyd -- 100 + knot winds and 57 foot seas
  - National Data Buoy Center (NDBC) provided new buoy, however Coast Guard ship unavailable for deployment



**WEATHER DATA BUOY 41010****Presenter:  
John Madura****Organization/Date:  
Launch & Payload Proc/11-19-99**

- Resolution
  - USA will transport buoy plus Coast Guard and NDBC personnel using Freedom Star
  
- Schedule
  - 16 Nov Buoy shipped from Jacksonville to Cape Canaveral
  - 17-18 Nov Buoy prepared for deployment
  - 22 Nov Freedom Star deploys Buoy to 120 NM east of Cape Canaveral
  - 23 Nov Buoy installation



<b>READINESS CERTIFICATION</b>	

The Eastern Range and the DOD Shuttle Network are ready to support STS-103 Launch Operations



**DONALD P. PETTIT**  
Brigadier General, USAF  
Commander, Eastern Range

