RSA Project

Range Standardization and Automation
RSA Project

Range Standardization and Automation

http://www-sdd.fsl.noaa.gov/RSA/
RSA Project

Background/History

• Working with Lockheed Martin since 2001
• Build 5.1.2 late 2001
• On-site training and Build 5.2.2 late 2002
• OB1 late 2003; currently used in 'operational test' mode at Western (Vandenberg) and Eastern (Cape Canaveral) Ranges
RSA Project

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RSA Project

Unique datasets

• 1-min towers
• 1-min miniSODARs
• 5-min profilers
• atmospheric electricity
  – field mills
  – local lightning, including 3-D
RSA Project

Unique features

- Local model
- Briefing tool
- Tabular text
- 3-D Lightning display
RSA Project

Unique features

- **Local model**
- Briefing tool
- Tabular text
- 3-D Lightning display

http://laps.fsl.noaa.govrsa/
RSA Project

Unique features

• Local model
• **Briefing tool**
• Tabular text
• 3-D Lightning display
RSA Project

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Current status and plans

- Testing OB4 version at FSL since January, includes ORPG 6; will deliver to LM in May
- OB5/ORPG7; 30-min LAPS, model verification – late 2005
- OB6/ORPG8; WRF transition possible – spring 2006
- Fully merged with AWIPS in OB7