



Soyuz Recovery

- Enroute weather outlooks for NASA aircraft flying from
- Houston to Kazakhstan and return
- Outlook for Soyuz landing site in Kazakhstan
- Briefings to NASA managers and recovery personnel



JSC Center Operations

- Customized weather advisories for JSC
- Lightning Advisories and Alerts (forecasts and warnings)
- Customized NWS severe weather warnings
- Tropical cyclone assessments and briefings

P	Probability of Occurrences for Daytime (7am to 7pm)					
	Weather Threat	Fri Sept 14	Sat Sept 15	Sun Sept 16	Mon Sept 17	
	Lightning	60	60	60	40	
	Excessive Rain/ Flooding	5	10	20	10	
	Severe Thunder- storms	0	0	0	0	
	Heat Index > 105	0	0	0	0	



NWS Spaceflight Meteorology Group Weather Support in the Post-Space Shuttle Era

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SMG Support to NASA

- collaboration

Orion Consultation Support Orion Flight Test 1 (EFT-1) in late 2014



Web: www.srh.noaa.gov/smg

Forecasts, briefings, decision support for weather sensitive ops

Future spacecraft ops concepts

Interagency coordination and

Space Shuttle lessons learned applied to current and future projects

• Weather Flight Rule development Flight Operations/ Recovery Panels Simulation forecasts for EFT-1 Landing Site Meteorological consultation

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Orion Parachute Tests

 Upper air and surface forecasts for landing site near Yuma, Arizona • Weather briefings to NASA teams in Houston and Yuma • Real-time support during drop test operations

Morpheus Lander Project

Forecasts and briefings for tethered flight tests at JSC in Houston, Texas Forecast projections: 10 minutes to 5 days Project moved to KSC mid-2012



