Oliu-1, Armando

From: Robbie Robinson [Robbie.Robinson@vitc.patrick.af.mil]

Sent: Thursday, January 30, 2003 9:32 AM

To: Abell, Chas; Alderman, Kathy; Alex, Gus; Amorosi, Vicki; Brown, Charles; Donald Hoover; Hillier, Bill (OTV); Joe Hurston; Johnson-5, William; Johnson-Cox-1, Cheryl; Kleinfelder, William; Larson, Vance O Contractor CSR3200; Loper Phillip J Contr CSR4150; Malone, Lisa; Michael Stone; Newland, Glenn; Oliu, Armando; Persinger, Margaret; Russ Alarie; Sharon Dunn; Thornsley-1, Ken; Virata-1, Manuel; Wolfe-1, Richard; Wright, Robert

Subject: Pre-EOM Briefing STS-107

We will conduct our Pre-EOM Briefing STS-107 this afternoon at 1400 in the Conference Room, Building 1605, CCAFS. Attached is the Power Point Briefing. Some information in this briefing may change slightly, depending on the NASA briefing at 1200 today.

<<EOM107BRIEF.ppt>>

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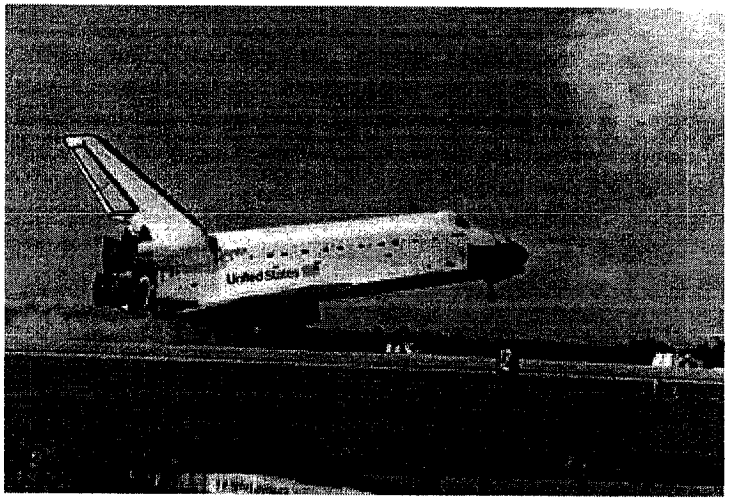
JOHNSON CONTROLS

STS 107 RESEARCH MSN/FREESTAR OPERATION # L1121

"PRELANDING BRIEFING"



03/05/2003

(VITC)

ALWAYS SAFETY ...IN ALL WAYS

JOHNSON CONTROLS

MISSION OVERVIEW

OP NUMBER:	L1121
LAUNCH VEHICLE:	Columbia/OV-102
LANDING SITE:	KSC-SLF
LAUNCH:	16 Jan 03, 1039L
DURATION:	16+ 2 days (contingency/weather)
Landing:	•KSC , 1 Feb 2003, 0853L (nominal EOM -- see table)

JOHNSON CONTROLS

STS-107 EOM Landing Table

All times are in EST and may vary as much as 10 minutes on landing day.

Landing Time (IAW Rev A)

	Landing	Orbit	Time of Ignition
Sat, 1 Feb 2003 (EOM)			
KSC:	0917	256	0820
	1052	257	0954
EDW:	1044	257	0946
	1218	258	1120
Sun, 2 Feb 2003 (EOM+1)			
KSC:	0740	271	0643
	0915	272	0817
EDW:	0906	272	0809
	1041	273	0943
	1215	274	1117
Mon, 3 Feb 2003 (EOM+2)			
KSC:	0737	287	0640
	0911	288	0814
EDW:	0903	288	0806
	1038	289	0940

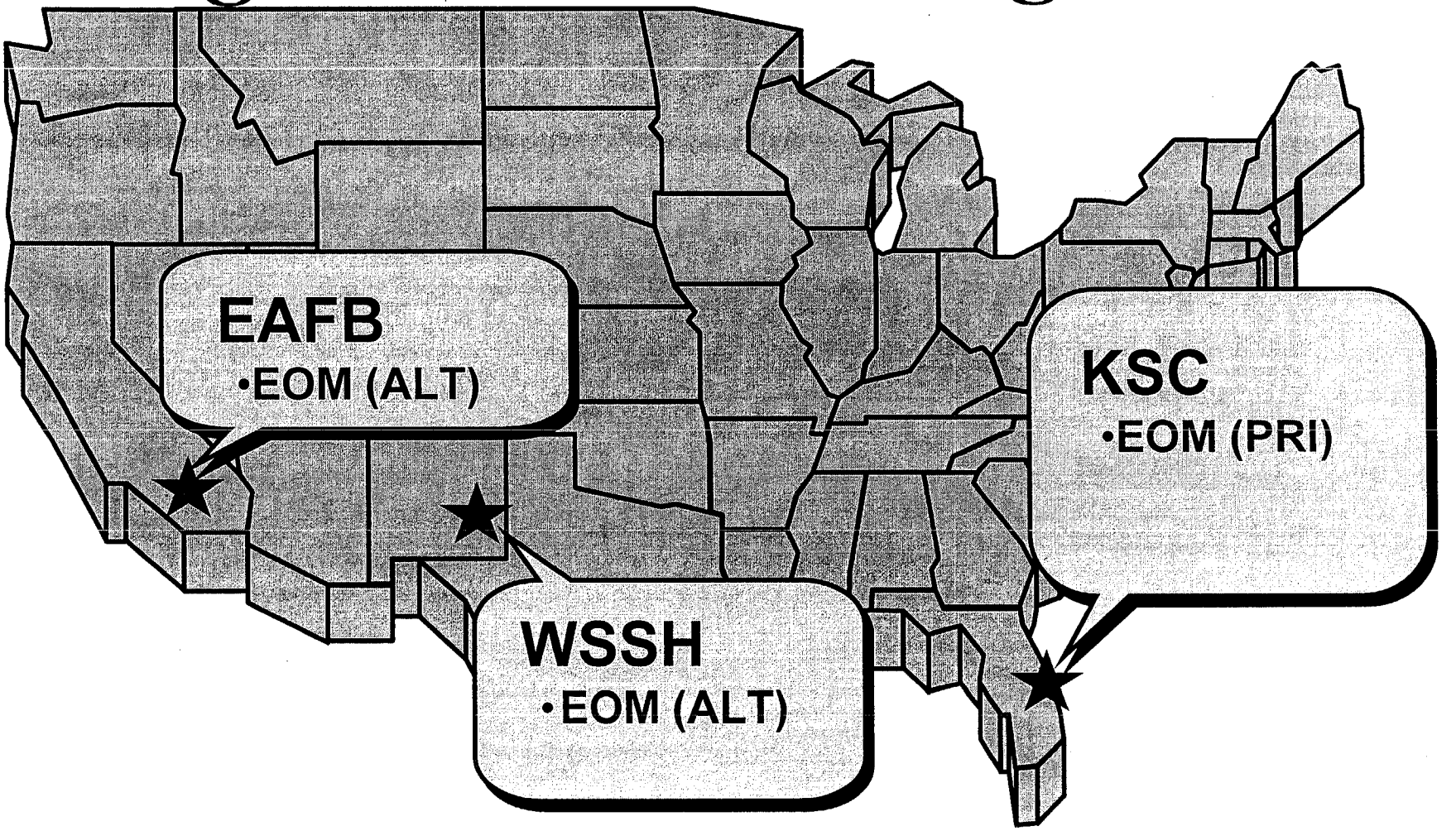
JOHNSON CONTROLS

SUPPORT DOCUMENTS

- STS 107 EOM PADD Dated 7 Jan 2003
- NASA OMI S0028
- EWR 127-1/KSC GP-1098H VOL. I, II
- JCI Procedure 06-201-09 (Disaster Procedure)
- Generated Work Orders

JOHNSON CONTROLS

Augmented Landing Sites



JOHNSON CONTROLS

MILESTONES

- I.R. Uplink from site B required
- IR TAPES TO 1P2 LCC one hour after landing
- Runway operations from LSC (estimated):
  - Begin Hazardous Badging -3.0 hours
  - Orbiter Tech Briefing in LSC Lobby -2.5 hours
  - Call to Stations -2.0 hours
  - NCC Final Briefing in LSC Lobby -1.5 hours
  - Convoy deploy to runway -1.0 hour

JOHNSON CONTROLS

INSTRUMENTATION PLAN

- 4 ea. JCI tracking sites (SLF sites A, B, D, and E)
- UCS 9 and UCS 15 are required for day light landing
- CSR Metric tracking site located at UCS 3 with IR Camera
- Other required CSR Metric tracking: LOCC, PB DOAMS, and ATOTS at UCS-23 (CB DOAMS in test mode)

JOHNSON CONTROLS

GENERAL COUNTDOWN

Rough setup of SLF:	•24 Jan 2003
SLF Final Greenline:	•30-31 Jan 2003
Digital Items to Press Site:	•1 Feb 2003, EOM +40 min
Start film retrieval:	•1 Feb 2003, EOM + 1 hr
Still Products to lab:	•1 Feb 2003, EOM + 1.5 hr
Courier to Miami:	•1 Feb 2003, EOM + 5 hr

JOHNSON CONTROLS

PERSONNEL SHOWTIMES

Greenline Crew:	•31 Jan 2003, 0730L
Tracking and other Crews for EOM:	•1 Feb 2003, 0430L
Tracking crews on site:	•1 Feb 2003, NLT 0630

JOHNSON CONTROLS

ITEMS

SLF		DAY	NIGHT
Site		Tracker Day	Tracker Night
A		EL010 (35PS)	EL010 (35PS)
		DL014 (123HUL)	DL014 (35NIK)
B		EL001 (35PS)	EL001 (35PS)
		EL017 (IR)	EL017 (IR)
		DL013 (123 HUL)	DL013 (35NIK)
D		EL015 (35PS)	EL015 (35PS)
		DL015 (123 HUL)	DL 015 (35 NIK)
E		EL012 (35PS)	EL012 (35PS)
		EL018 (IR)	EL018 (IR)
		DL016 (123 HUL)	DL016 (35NIK)
UCS 9		EL030 (16PS)	
UCS 15		EL031 (16PS)	
N. Twr		EL004 (35PS)	EL004 (35PS)
S Twr		EL002 (35PS)	EL002 (35PS)

JOHNSON CONTROLS

ITEMS (Cont.)

		FIXED DAY	FIXED NIGHT
SLF N	SITE 1	EL007 (35PS),	EL007 (35PS),
		DL011 (35NIK)	DL011 (35NIK)
		DL009 (35NIK)	DL009 (35NIK)
		EL006 (35PS)	EL006 (35PS)
	SITE 2	DL005 (35NIK)	DL005 (35NIK)
		DL006 (35NIK)	DL006 (35NIK)
		DL001 (HUL)	DL001 (35NIK)
SLFS	SITE 3	DL007 (35NIK)	DL007 (35NIK)
		DL008 (35NIK)	DL008 (35NIK)
		DL002 (HUL)	DL002 (35NIK)
	SITE 4	EL009 (35PS)	EL009 (35PS)
		DL012 (35NIK)	DL012 (35NIK)
		DL010 (35NIK)	DL010 (35NIK)
		EL008 (35PS)	EL008 (35PS)

JOHNSON CONTROLS

ITEMS (Cont.)

		DAY	NIGHT
ROVING		DX-1 (35NIK)	DX-1 (35NIK)
		DX-2 (35NIK)	DX-2 (35NIK)
		INDIVIDUAL	**INDIVIDUAL**
CONVOY		EL060 (HSBL)	EL060 (HSBL)
		EL062 (HSBL)	EL062 (HSBL)
		EL063 (DIGITAL)	EL063 (DIGITAL)
		DL030 (VIDEO)	DL030 (VIDEO)
		DL031 (NIK)	DL031 (NIK)
N END		DL019 (NIK)	DL019 (NIK)
		DL020 (NIK)	DL020 (NIK)
		DL021 (35NIK)	DL021 (35NIK)
S END		DL022 (35NIK)	DL022 (35NIK)
		DL023 (35NIK)	DL023 (35NIK)
		DL024 (35NIK)	DL024 (35NIK)
		DL025 (DIGITAL)	DL025 (DIGITAL)
		ON BOARD	**ON BOARD**
SRB SEP		FL101 (16DBM10)	FL101 (16DBM10)
		FL102 (16DBM10)	FL102 (16DBM10)