

Smith, Martha L. (JSC-CA)

From: NOWAK, LISA M., CDR. (JSC-CB) (NASA)
Sent: Friday, January 13, 2006 9:33 AM
To: OEFELEIN, WILLIAM A. (JSC-CB) (NASA)
Subject: FW: Toxic Atmosphere Annunciation-NH3

Real life NH3 annunciation- what timing. Was false, but crew reacted per trng as if real and donned masks as boldface. We will have to bring up replacement PBA(s), which is good anyway because there probably was not enough contingency air on station to support certain scenarios (that Jeff W. detailed to us this week). US ones only last 15 min normal breathing, less in emerg. Very interesting. I am sure you will be getting this training now.

From: LINDSEY, STEVEN W. (JSC-CB) (NASA)
Sent: Thursday, January 12, 2006 3:09 PM
To: FOSSUM, MICHAEL E. (JSC-CB) (NASA); KELLY, MARK E., CDR. (JSC-CB) (NASA); NOWAK, LISA M., CDR. (JSC-CB) (NASA); SELLERS, PIERS J. (JSC-CB) (NASA); WILSON, STEPHANIE D. (JSC-CB) (NASA)
Subject: FW: Toxic Atmosphere Annunciation

Take a look at this!!

Interesting how things happen sometimes. The note below describes an incident that occurred this afternoon onboard the ISS. It has been quite a week for NH3 (between emergency sims, bldg 9 training, and now the following)... Since we've been talking about NH3 a lot this week I thought the following might be of interest?

Rick LaBrode

**Flight Director
NASA-JSC
Houston, TX 77058**

From: KOERNER, CATHERINE A. (CATHY) (JSC-DA8) (NASA)
Sent: Thursday, January 12, 2006 3:04 PM
To: WILLIAMS, JEFFREY N., COL. (JSC-CB) (NASA); VINOGRADOV, PAVEL (JSC-CB) (RSA); REITER, THOMAS (JSC-CB) (ESA)
Cc: LINDSEY, STEVEN W. (JSC-CB) (NASA)
Subject: FW: Toxic Atmosphere Annunciation

Timely event - on the real vehicle.

BTW, in talking with Sally, she said Bill reacted faster than MCC could get a call to him and tell him that this was a false leak. She also added that he used up the PBA in about 12 minutes, they think. More to come I'm sure...

Let me know if you have questions.

Cathy

Catherine A. Koerner
DA8/Flight Director
NASA/Johnson Space Center
ph. 281/483-2617
fax 281/483-3304
bb. 281/513-3954 or 2815133954@mmode.com
catherine.a.koerner@nasa.gov

From: DAVIS, SALLY P. (JSC-DA8) (NASA)
Sent: Thursday, January 12, 2006 2:53 PM
To: ENGELAUF, PHILIP L. (JSC-DA8) (NASA); FLYNT, GEORGE A. (ALLEN) (JSC-DA1) (NASA); THORNTON, JAMES V. (JIM) (JSC-DA) (NASA); RAINWATER, SUSAN B. (JSC-DA) (NASA); HEFLIN, JAMES M., JR (MILT) (JSC-DA) (NASA)
Cc: JSC-DL-ISS-FDs
Subject: Toxic Atmosphere Annunciation

Everyone-

We were transitioning the ITCS from dual to single LT, per the plan, and got an unexpected NH₃ Leak Detection Warning. The crew responded per their training, and annunciated the toxic atmosphere alarm and donned gas masks. Bill had his all the way on, and used an entire PBA bottle. When he arrived in the SM, Valeri was just beginning to don his Russian gas mask.

It appears that the H₂O quantity in the MTL accumulator quantity went from 78% to over 90%, which was the condition observed by the system that caused of the annunciation of the alarm. Correspondingly, the LTL accumulator quantity went down by amount the same amount. This quantity exchange is the primary cue that there was not an NH₃ leak. We have done many ITCS mode transitions before, and expect only a 3-4% transfer of H₂O from one to another. The cause for the larger % increase is anomalous, and is being analyzed.

Coordination with the Russians and crew on the cause and post-event actions is in work. The warning will stay in alarm until the accumulator quantity is below 90% again, and forward work to get back in nominal config on the accumulator quantity is in work.

Please let me know if you have any questions.

Sally Davis

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Friday, February 17, 2006 3:29 PM
To: Oefelein, William A. (JSC-CB)
Subject: RE: Saturday

Thanks!

Check this out. Those news people work fast.

<http://www.cnn.com/2006/TECH/space/02/17/space.shuttle.ap/index.html>

From: Oefelein, William A. (JSC-CB)
Sent: Fri 2/17/2006 7:51 AM
To: Nowak, Lisa M. (JSC-CB)
Subject: FW: Saturday

fyi-I talked to Tom last night about a pod. Hope you are having fun. Call when you can.

From: Hager, Thomas E. (JSC-CC)[DYN]
Sent: Thursday, February 16, 2006 9:49 PM
To: Melroy, Pamela A. (JSC-CB)
Cc: Oefelein, William A. (JSC-CB)
Subject: Saturday

Good evening.

You have a jet 1300 Saturday 18 FEB with pods. As of now, it looks like you guys will be departing EFD from our ramp (not SWSVS).

There is a spare aircraft also configured with a POD.

Have a nice hop.

T

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Friday, May 12, 2006 11:10 AM
To: Oefelein, William A. (JSC-CB)
Subject: FW: MLG question

Here's the tire info!

From: Pappas, Terry B. (JSC-CC)
Sent: Tuesday, May 09, 2006 8:22 AM
To: Nowak, Lisa M. (JSC-CB)
Subject: RE: MLG question

Lisa,

The "new" 14-ply tires that we now use are rated to 255 mph, which is 221 knots. We're about to release an interim update to the flight manual, checklist and IFG, with a number of changes, to be followed soon by a more extensive update to those manuals. 221 knots is right. Sorry for the confusion.

Terry

From: Nowak, Lisa M. (JSC-CB)
Sent: Monday, May 08, 2006 5:07 PM
To: Pappas, Terry B. (JSC-CC)
Subject: MLG question

The Nov 03 T-38 manual says main wheel tire is rated to 195 knots (p. 5-7). I have a laminated info summary card of limitations that was handed out to the office in Jun 04 that has that number replaced with 221.

Do you know which is correct, and what official source changed the number to 221 (if that is true) or if the card is wrong?

Thanks,
Lisa

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Tuesday, May 23, 2006 8:05 AM
To: Oefelein, William A. (JSC-CB)
Subject: FW: Here to launch schedule & 5/29 prelim

Attachments: STS121_HTL_AS_OF_052206.pdf



STS121_HTL_AS_O
F_052206.pdf (5...

Alicia Simpson
Training Manager STS-121
JSC/4S Rm 2210;DT32
☎ 281/244-7268
Pager: 713/764-5314
[✉mailto:alicia.a.simpson@nasa.gov](mailto:alicia.a.simpson@nasa.gov)

DATE: 22-MAY-06

STS-121 Crew Activity Schedule

PREPARED BY: Alicia Simpson: 281-244-7268

Office: 4S/2210 Pager: 713-764-5314

22 MAY 06 - 26 MAY 06

STS-121

L-5 NET LAUNCH 7-1-2006

TIME: 15:29:40

HERE TO LAUNCH AS OF 5/22/06

Day	Time	Activity	Location	Notes
MON 05/22	07:00-08:00	F		
	08:00-11:00	EVA1 @ NBL		
	11:00-12:00	EVA1 @ NBL		
	12:00-13:00	EVA1 @ NBL		
TUE 05/23	13:00-14:00	CREW REST		
	14:00-15:00	CREW REST		
	15:00-16:00	PDRS OBSS SURVEY 16/DOME		
	16:00-17:00	ADMIN		
	17:00-18:00	ADMIN		
	18:00-19:00	ADMIN		
	19:00-20:00	ADMIN		
	20:00-21:00	ADMIN		
	21:00-22:00	ADMIN		
	22:00-23:00	ADMIN		
WED 05/24	00:00-01:00	ADMIN		
	01:00-02:00	ADMIN		
	02:00-03:00	ADMIN		
	03:00-04:00	ADMIN		
	04:00-05:00	ADMIN		
	05:00-06:00	ADMIN		
	06:00-07:00	ADMIN		
	07:00-08:00	ADMIN		
	08:00-09:00	ADMIN		
	09:00-10:00	ADMIN		
THU 05/25	10:00-11:00	ADMIN		
	11:00-12:00	ADMIN		
	12:00-13:00	ADMIN		
	13:00-14:00	ADMIN		
	14:00-15:00	ADMIN		
	15:00-16:00	ADMIN		
	16:00-17:00	ADMIN		
	17:00-18:00	ADMIN		
	18:00-19:00	ADMIN		
	19:00-20:00	ADMIN		
FRI 05/26	20:00-21:00	ADMIN		
	21:00-22:00	ADMIN		
	22:00-23:00	ADMIN		
	23:00-24:00	ADMIN		
	00:00-01:00	ADMIN		
	01:00-02:00	ADMIN		
	02:00-03:00	ADMIN		
	03:00-04:00	ADMIN		
	04:00-05:00	ADMIN		
	05:00-06:00	ADMIN		

F-10 MEETING W/DR. LOCKE
CREW OFFICE

ADMIN

EVA1 @ NBL
EVA1 @ NBL
EVA1 @ NBL
EVA1 @ NBL

CREW REST
CREW REST

PDRS OBSS SURVEY 16/DOME
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STA RANGE KSC
11530-2000

I-38 TO KSC TO TBD EFD

I-38 TO EFD TO TBD KSC

NOTE: (Nw & Wl) Limit Alcohol consumption. No unusual motions (i.e. acrobatic flying) within 24 hours prior to session. No heavy meals 3 hours before session. Wear comfortable clothing and bring a pony tail holder.

B-(Fs,S)CBM REFR 4S/PTT5

D-(S)CBM SELF STUDY (MASTERY PREP) 4S/PTT5

E-(Full Crew)CAMERA T/U W/GARY KILGO 4S/6601

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DATE: 22-MAY-06

STS-121 Crew Activity Schedule

TIME: 15:31:11

PREPARED BY: Alicia Simpson:281-244-7268

Office:4S/2210 Pager:713-764-5314

29 MAY 06 - 02 JUN 06 STS-121

L-4 NET LAUNCH 7-1-2006

HERE TO LAUNCH AS OF 5/22/06

Day	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
05/29	Ld																		
	Km																		
	Nw																		
	Fs																		
	Sl																		
	Wl																		
05/30	Ld																		
	Km																		
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05/31	Ld																		
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	Sl																		
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06/01	Ld																		
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	Fs																		
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06/02	Ld																		
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	Fs																		
	Sl																		
	Wl																		

LEAVE - MEMORIAL DAY

LEAVE

STA RANGE I-38 TO EPD T/O TBD
1100-1300 ELP

I-38 TO ELP T/O 0830 EPD

DST10 EL INSTL
RVW 41025

CRM SPEC
MASTER 4S/PT15

DST10 EL INSTL
RVW 41025

MSS/EVA2
4S/DST1

ES RUSSIAN 81092

MSS/EVA2
4S/DST1

DOUG RVW

PORS/EVA PRF 1600ME

PI PREP 9/CCTII
W/REITER

NEL EVA2 99027

FINAL

CR CHIEF
MEETING
17U 71098

DSO
498-OVAR

MSS/EVA 2 M1M2 4S/DST1

EVA SAFER
TPS 9/VR LAB

DSO
498-OVAR

MSS/EVA 2 M1M2 4S/DST1

DOUG RVW

CD7
LE1
RB0
T3
E P

DATE: 22-MAY-06

STS-121 Crew Activity Schedule

TIME: 15:31:35

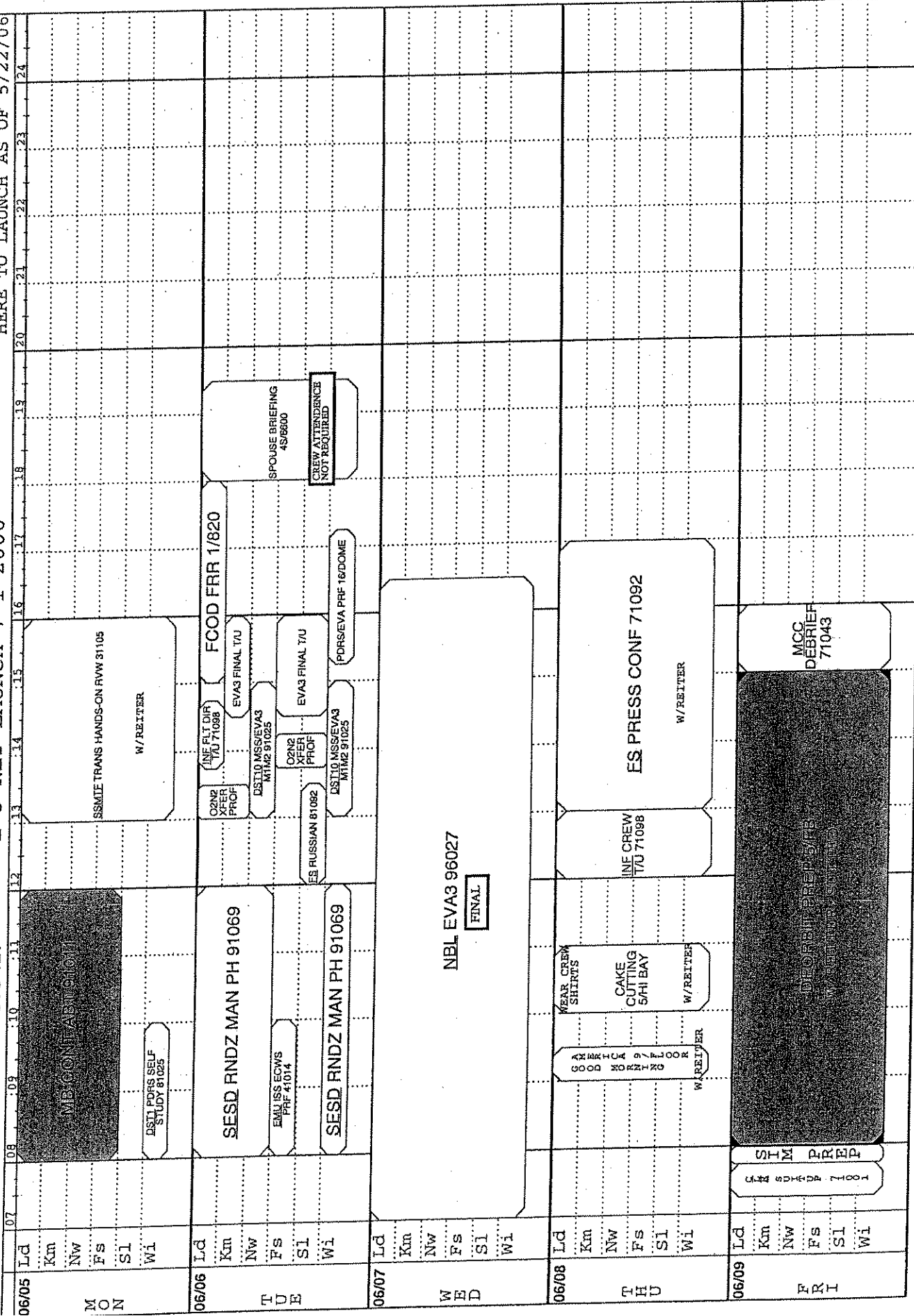
PREPARED BY: Alicia Simpson: 281-244-7268

Office: 4S/2210 Pager: 713-764-5314

05 JUN 06 - 09 JUN 06 STS-121

L-3 NET LAUNCH 7-1-2006

HERE TO LAUNCH AS OF 5/22/06



DATE: 22-MAY-06
 PREPARED BY: Alicia Simpson:281-244-7268
 Office:45/2210 Pager:713-764-5314

STS-121 Crew Activity Schedule

TIME: 15:30:41

12 JUN 06 - 16 JUN 06 STS-121

HERE TO LAUNCH AS OF 5/22/06

Day	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MON	Ld	Km	Nw	Fs	Sl	Wi	MD7 CE1 CB0 CR4 I3 IEF	CCI STOW REVIEW 91020 W/REITER	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014	EMU ISS ECWS PRF 41014
TUE	Ld	Km	Nw	Fs	Sl	Wi	W/REITER	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT	TCDT
WED	Ld	Km	Nw	Fs	Sl	Wi	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER
THU	Ld	Km	Nw	Fs	Sl	Wi	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER
FRI	Ld	Km	Nw	Fs	Sl	Wi	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER	W/REITER

SUITED STA

STA
 MGMT DINNER 1630

WX BU STA

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 W/REITER

ESC SYS REFR 8/CCTH
 W/REITER

ESC SYS
 NOSE
 DOWN
 9/CCTH
 W/REITER

CLR TRANS
 PLAN 5 31001
 EMU ISS ECWS
 PRF 41014
 W/REITER

CLR TRANS
 PLAN 5 31001
 W/REITER

"THE" FRR @ KSC 6/16 & 6/17

DATE: 22-MAY-06

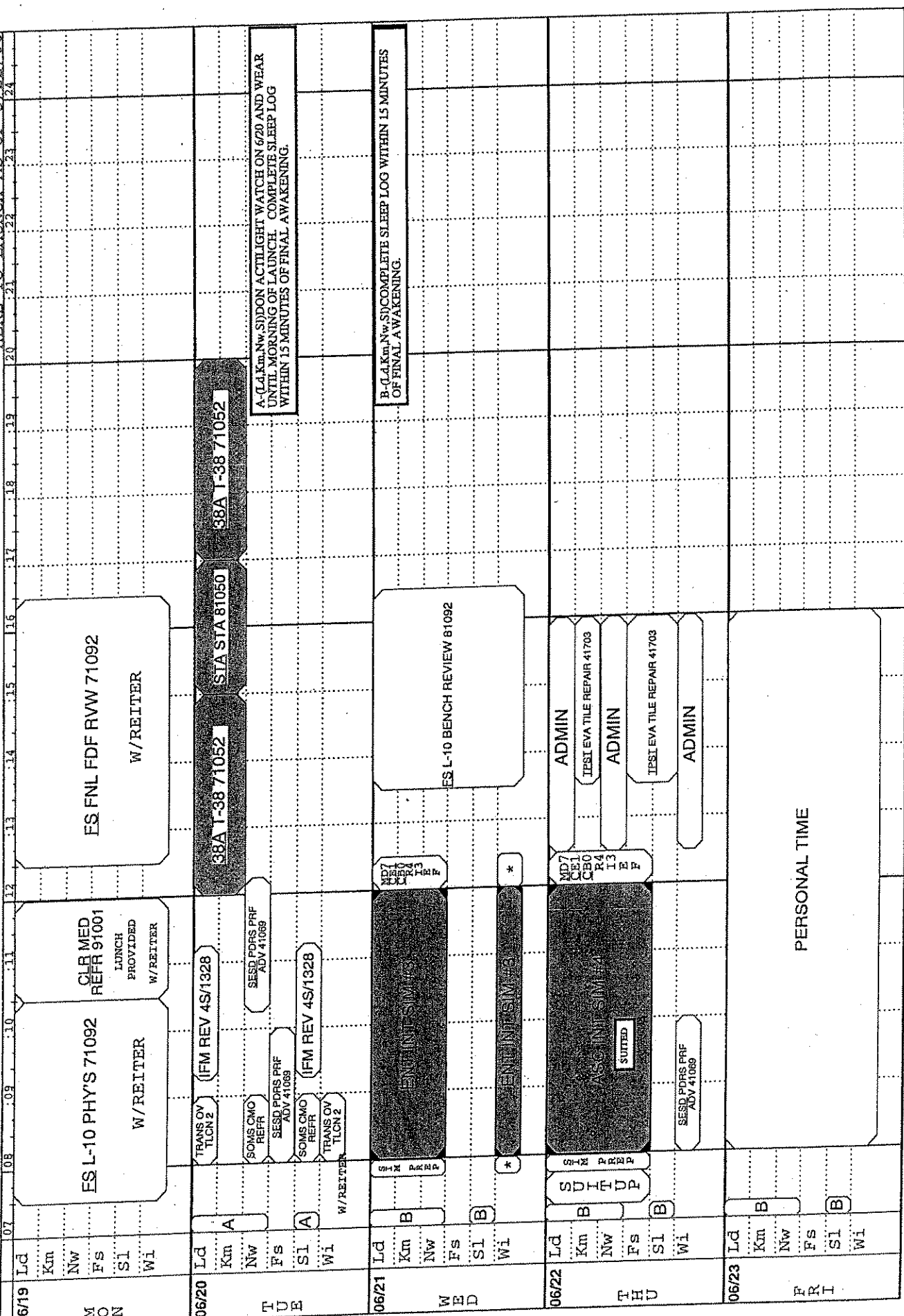
STS-121 Crew Activity Schedule

TIME: 15:31:50

PREPARED BY: Alicia Simpson: 281-244-7268
Office: 4S/2210 Pager: 713-764-5314

19 JUN 06 - 25 JUN 06 STS-121 L-1 NET LAUNCH 7-1-2006

HERE TO LAUNCH AS OF 5/22/06



A-1.4 Km Nw. S/DON ACTLIGHT WATCH ON 620 AND WEAR UNTIL MORNING OF LAUNCH. COMPLETE SLEEP LOG WITHIN 15 MINUTES OF FINAL AWAKENING.

B-1.4 Km Nw. S/DON COMPLETE SLEEP LOG WITHIN 15 MINUTES OF FINAL AWAKENING.

DATE: 22-MAY-06

STS-121 Crew Activity Schedule

TIME: 15:32:07

PREPARED BY: Alicia Simpson: 281-244-7268

Office: 4S/2210 Pager: 713-764-5314

26 JUN 06 - 01 JUL 06

STS-121 L-0 NET LAUNCH 7-1-2006

HERE TO LAUNCH AS OF 5/22/06

Day	Time	Activity	Notes
06/26 MON	07:00 - 08:00	Ld B	
	08:00 - 09:00	Km B	
	09:00 - 10:00	Nw B	
	10:00 - 11:00	Fs B	
	11:00 - 12:00	Sl B	
06/27 TUE	07:00 - 08:00	Ld B	
	08:00 - 09:00	Km B	
	09:00 - 10:00	Nw B	
	10:00 - 11:00	Fs B	
	11:00 - 12:00	Sl B	
06/28 WED	07:00 - 08:00	Ld B	
	08:00 - 09:00	Km B	
	09:00 - 10:00	Nw B	
	10:00 - 11:00	Fs B	
	11:00 - 12:00	Sl B	
06/29 THU	07:00 - 08:00	Ld B	
	08:00 - 09:00	Km B	
	09:00 - 10:00	Nw B	
	10:00 - 11:00	Fs B	
	11:00 - 12:00	Sl B	
06/30 FRI	07:00 - 08:00	Ld B	
	08:00 - 09:00	Km B	
	09:00 - 10:00	Nw B	
	10:00 - 11:00	Fs B	
	11:00 - 12:00	Sl B	
06/26	10:00 - 11:00	ES FLT DIR MTG 71092 W/REITER	
06/26	11:00 - 12:00	A ES FINAL TRANS RW 61092	
06/26	12:00 - 13:00	W/REITER ES FINAL TRANS RW 61092	
06/26	13:00 - 14:00	CLR CAMP REVIEW 41001 W/REITER	
06/26	14:00 - 15:00	ES MGT DINNER 71092 W/REITER	
06/26	15:00 - 16:00	QUARANTINE L-5	A-(Fs.S)EVA PG1/7M
06/26	16:00 - 17:00	QUARANTINE L-5	B-(Ld.Km.Nw.S)COMPLETE SLEEP LOG WITHIN 15 MINUTES OF FINAL AWAKENING.
06/27	16:00 - 17:00	QUARANTINE L-4	
06/28	16:00 - 17:00	QUARANTINE L-3	
06/29	16:00 - 17:00	QUARANTINE L-2	
06/30	16:00 - 17:00	QUARANTINE L-1	
06/27	17:00 - 18:00	I-38 TO KSC FOR LAUNCH	

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Wednesday, June 07, 2006 9:11 AM
To: Oefelein, William A. (JSC-CB)
Subject: FW: CSS Mode in MM 601

Turns out this was not a sim funny. You can bump the stick in a very narrow time window and not get a msg, thus unknowingly downmoding to CSS in a critical contingency abort scenario that depends on AUTO to work in a timely manner.

From: Hendrickson, Larry A. (JSC-DM)
Sent: Tuesday, June 06, 2006 1:12 PM
To: Stich, J S. (JSC-DA8); Crippen, Susan L. (JSC-DT3)[USA]; Schmidt, Thomas G. (JSC-DM)[USA]; Lampazzl, Henry A. (JSC-DT3)[USA]; Hamilton, Michael L. (JSC-DF611); Spencer, James R. (JSC-DM); Sparks, Carson W. (JSC-DM)[USA]; Carothers, Steve G. (JSC-DM)[USA]; Hartman, Scott A. (JSC-DM); Hensley, Doyle W. (JSC-DM); Jones, Joe H. (JSC-DM4)[USA]; Patterson, Joe K. (JSC-DM)[USA]; Pogue, Glenn E. (JSC-DM); Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Fossum, Michael E. (JSC-CB); Frick, Stephen N. (JSC-CB)
Cc: Barnett, Gail A. (JSC-DT)[USA]; Andujo, Joaquin (JSC-DT)[USA]; Athon, Valarie A. (JSC-DT3)[USA]
Subject: RE: CSS Mode in MM 601

Possibly because the only way to get CSS in powered flight is with the pbi's. Perhaps nobody thought about somebody bumping the RHC between zero thrust/MECO confirmed and 602 transition.

From: Stich, J S. (JSC-DA8)

Thanks Susan. Great investigative work as always. I learn something new every day.

I can't understand why the DAP DNMODE RHC message was omitted from MM 601 as you describe.

From: Crippen, Susan L. (JSC-DT3)[USA]

I've pulled the SMS data from Run #3 of the STS-121 FDO/BSE 1R sim on Friday 6/2/06, which ended up as a 3 EO 2nd/ECAL to FMH.

Investigation of the downmode to CSS post ET SEP, pre MM602, shows that it was caused by a transient RHC input (bump of the stick).

Between 6:37.5 and 6:38.5 MET there was a L RHC Pitch down spike of less than one sec duration and just barely enough deflection to trip the 1.725deg limit and show the RHC out of detent. For this reason the DAP downmoded from AUTO to CSS in all axes per the 3-Axis RHC SOP (4.171) processing.

However, as noted on Friday, there was not a DAP DNMODE RHC message, nor SM alert.

- The 3-Axis RHC SOP is active in all TRANS DAP Major Modes (103-106, 301-303) as well as MM601 as soon as ME Zero Thrust is recognized.
 - ME_ZERO is set by MECO CONFIRMED + 3.75sec if MM > 102
- However the DAP_ALERT flag is specifically not set in MM601 per requirements, even though you can still hot stick downmode in MM601 from the time ME Zero Thrust is recognized.
- Thus in all RTLS and Contingency abort scenarios, there is the potential to hot-stick downmode post MECO, pre MM602, and not notice.
- This works well, I suppose, for the POWERED ECAL procedure where we deliberately Pitch at ET SEP + 8 sec to achieve alpha = 58deg. If you use a hotstick downmode in that scenario there is not a DAP DNMODE RHC message while in MM601 (although it does annunciate - and downmode the pitch axis to CSS - if the RHC is still out of detent upon transition to MM602). Otherwise, I'm not really sure why MM601 is singled out and treated differently.

Note that SMS data shows the Pitch rate Tom remarked on below was already building prior to the transient RHC input, so the input doesn't appear to have affected the pitch rate except in terms of the downmode to CSS which effectively nulled the rate.

This run was also repeated today, Monday 6/5/06, during the STS-121 crew's CONT ABT 91011 lesson and the DAP

remained in AUTO as expected with no bump of the stick.

From: Schmidt, Thomas G. (JSC-DM)[USA]

Last Friday we supported the STS-121 FDO/BSE sims. On run #3 there was an unexplained transition to CSS flight control mode after ET Sep. The following are event times from the sim.

Run summary: Launch was at the inplane time with nominal SRBs in 1st stage. The center engine had a performance case (low actual high). A fast ullage leak developed requiring a left engine shutdown fairly early in 2nd stage. The MCC team called for a manual MECO at the right time to make an Otis landing. ECAL prebank logic was invoked. Max Nz = 3.4, Max Qbar = 426. Straight-in downmode required to make landing.

<u>Onboard MET</u>	<u>Event</u>
3:41	SPEC 51 Item 9 + 82 EXEC
5:08	SPEC 51 Item 5 EXEC
5:36	Left Engine Out, VI = 12229 fps
6:05	Roll to Heads Up mnvr initiated
6:18	Manual MECO, VI = 13719 fps, Alt = 359 Kft, Hdot = -180 fps (ADI roll value was 237 deg)
6:33	ET Sep
6:38	CSS flight control transition from AUTO mode (Momentary pitch rate spike of - 0.8 deg sec was observed right before CSS mode)
6:39	BFS MM 103 to 104 transition
6:44	OMS dump start
6:45	All ADI roll, pitch, and yaw attitude errors > 5 degrees
7:11	Auto flight control mode

Susan Crippen is looking into whether some RHC movement in MM 601 might have invoked the CSS flight control mode.

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Sunday, June 18, 2006 6:54 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: UPDATED STS-121 HERE TO LAUNCH SCHEDULE AS OF 6/16/06

Attachments: STS121_HTL_AS_OF_061606.pdf

From: Simpson, Alicia A. (JSC-DT3)[USA]
Sent: Friday, June 16, 2006 2:59 PM
To:
Subject: UPDATED STS-121 HERE TO LAUNCH SCHEDULE AS OF 6/16/06

Hello Everyone,
Are you ready? Here we go.....

Due to many changes, I am republishing the schedules for this week, 6/12, next week, 6/19, and the week of 6/26. These schedules serve as my **FINAL HERE TO LAUNCH SCHEDULES**. Please review them carefully and contact me with any questions.



STS121_HTL_AS_O
F_061606.pdf (4...

Thanks,

Alicia Simpson
Training Manager STS-121
JSC/4S Rm 2210;DT32
☎ 281/244-7268
Pager: 713/764-5314
[☐mailto:alicia.a.simpson@nasa.gov](mailto:alicia.a.simpson@nasa.gov)

DATE: 16-JUN-06

STS-121 Crew Activity Schedule

TIME: 14:02:39

PREPARED BY: Alicia Simpson: 281-244-7268

Office: 4S/2210 Pager: 713-764-5314

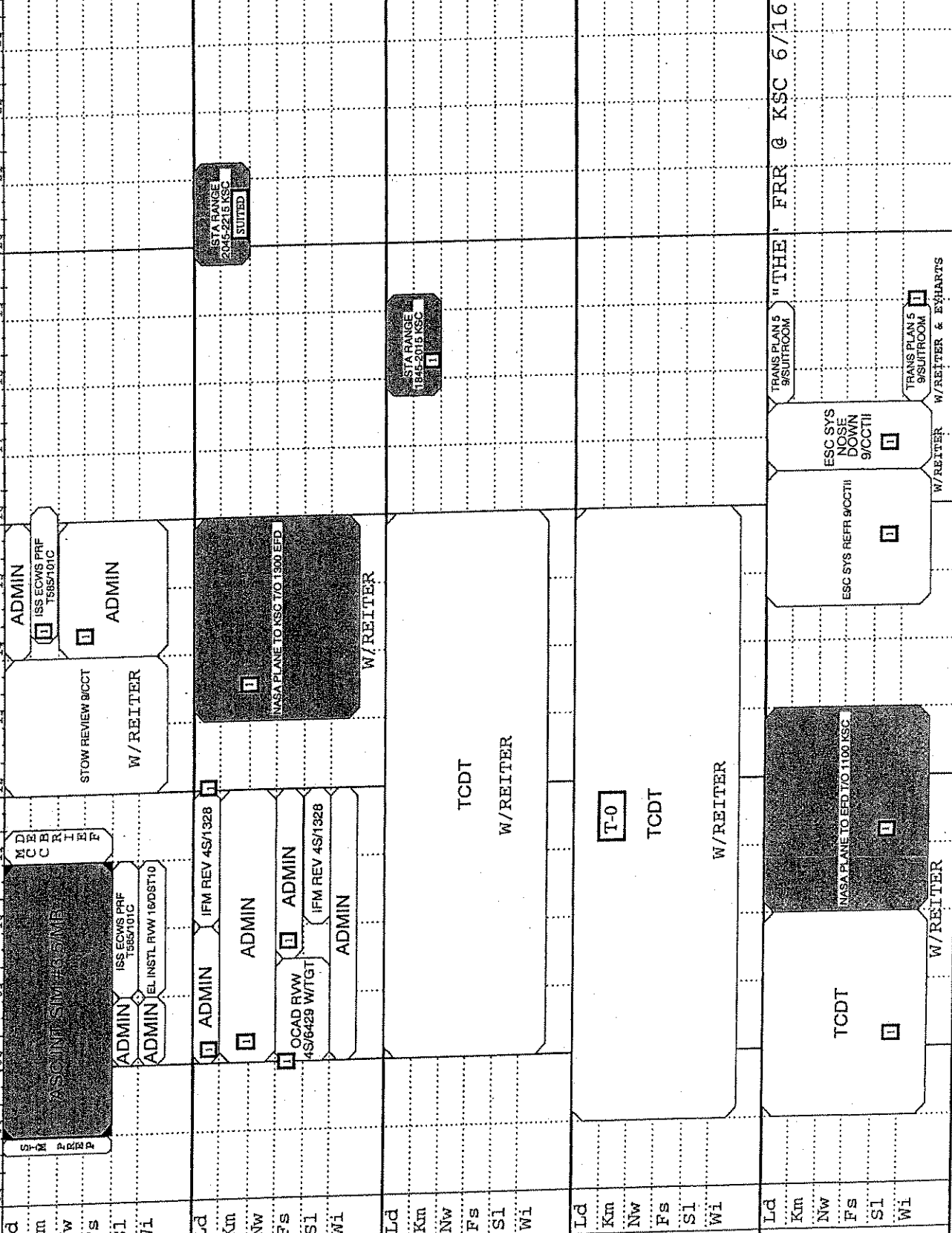
12 JUN 06 - 16 JUN 06

STS-121

L-2 NET LAUNCH 7-1-2006

REVISION 1/HERE TO LAUNCH AS OF 6/16/06

Day	Time	Activity	Location	Personnel
6/12 MON	06:00 - 06:05	STW ARR		
	06:05 - 06:10	ASC INT/SIM #6 5/16		
	06:10 - 06:15	ADMIN	ISS ECMS PRF T555/101C	
	06:15 - 06:20	ADMIN	EL INSTL RWV 19DST10	
6/13 TUE	06:20 - 06:25	ADMIN	IFM REV 4S/1328	
	06:25 - 06:30	ADMIN		
	06:30 - 06:35	OCAD RWV 4S/6429 W/TGT		
	06:35 - 06:40	ADMIN	IFM REV 4S/1328	
6/14 WED	06:40 - 06:45	ADMIN		
	06:45 - 06:50	ADMIN		
	06:50 - 06:55	ADMIN		
	06:55 - 07:00	ADMIN		
6/15 THU	07:00 - 07:05	ADMIN		
	07:05 - 07:10	ADMIN		
	07:10 - 07:15	ADMIN		
	07:15 - 07:20	ADMIN		
6/16 FRI	07:20 - 07:25	ADMIN		
	07:25 - 07:30	ADMIN		
	07:30 - 07:35	ADMIN		
	07:35 - 07:40	ADMIN		



DATE: 16-JUN-06

STS-121 Crew Activity Schedule

TIME: 13:54:31

PREPARED BY: Alicia Simpson:281-244-7268

Office:4S/2210 Pager:713-764-5314

19 JUN 06 - 25 JUN 06

STS-121

L-1 NET LAUNCH 7-1-2006

REVISION 2/HERE TO LAUNCH AS OF 6/16/06

Day	Time	Activity	Location	Notes
06/19 MON	05:00-06:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	06:00-07:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	07:00-08:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	08:00-09:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	09:00-10:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
06/20 TUE	05:00-06:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	06:00-07:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	07:00-08:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	08:00-09:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	09:00-10:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	10:00-11:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	11:00-12:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	12:00-13:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	13:00-14:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	14:00-15:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
06/21 WED	05:00-06:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	06:00-07:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	07:00-08:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	08:00-09:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	09:00-10:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	10:00-11:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	11:00-12:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	12:00-13:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	13:00-14:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	14:00-15:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
06/22 THU	05:00-06:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	06:00-07:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	07:00-08:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	08:00-09:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	09:00-10:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	10:00-11:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	11:00-12:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	12:00-13:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	13:00-14:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	14:00-15:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
06/23 FRI	05:00-06:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	06:00-07:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	07:00-08:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	08:00-09:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	09:00-10:00	L-10 PHY'S 8/FLT MED CLINIC	W/REITER	NOTE 1
	10:00-11:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	11:00-12:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	12:00-13:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	13:00-14:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2
	14:00-15:00	STA RANGE 1100-1300 ELP	ADMIN	NOTE 2

A-14 Km Nw SIDON ACTILIGHT WATCH ON 6/19 IN CLINIC AND WEAR UNTIL MORNING OF LAUNCH. COMPLETE SLEEP LOG WITHIN 15 MINUTES OF FINAL AWAKENING.

NOTE 1 (ALL): No radiotopes or radio opaque contrast agents for one week prior to test. Remove all metal (jewelry, etc.)

G-14 Km ACTILIGHT WATCH VERIFICATION EFD/DUTY OFFICE SHERALYN WILL MEET YOU THERE.

F-(Nw, S) SOMS CMO REFR 8/203R

E-(S)MR. CALDWELL'S OFFICE 16852 ROYAL CREST DRIVE 281-461-9595 ASK FOR SHELBY

C-(L4, W1) TRANS OV TILCN 2 30/MCC

B-(L4, Km, Nw, S) COMPLETE SLEEP LOG WITHIN 15 MINUTES OF FINAL AWAKENING.

H-(Nw, S) ACTILIGHT WATCH VERIFICATION YOUR OFFICE

D-(S) EVA IR CAMERA MEETING 4S/1928

NOTE 1: L-10 PHYSICALS

FULL CREW:
 Crewmembers are required to be fasting 12 hours before blood draw. (Nw - still waiting verification on this).
 No alcoholic beverages shall be consumed 12 hours before blood draw. No non-standard smiling during 4 hours prior to any of the below mentioned events.
 Ld, Fs, & S:
 Begin 24 hour urine collection with first morning void on June 19 and complete the next morning after the first two voids.
 Nw, Fs, & S:
 No medications or maximal exercise 24 hours prior to testing.
 No caffeine, nicotine or alcohol 12 hours prior to testing.
 No heavy meals 4 hours prior to testing and no food at all 2 hours prior to testing (should stay fasting after labs until completion of Op Tilt Testing).
 Nw & W1:
 Limit alcohol consumption 24 hours before test. No unusual motion (e.g., aerobatic flying, roller coaster) within 24 hours.

DATE: 16-JUN-06

STS-121 Crew Activity Schedule

TIME: 13:49:31

PREPARED BY: Alicia Simpson:281-244-7268

Office:4S/2210 Pager:713-764-5314

26 JUN 06 - 01 JUL 06

STS-121

L-0 NET LAUNCH 7-1-2006

FINAL/HERE TO LAUNCH AS OF 6/16/06

7/01	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Ld																							
Km																							
Nw																							
Fs																							
Sl																							
Wi																							
S																							
A																							
T																							

0515-2130 (EASTERN)

T-0

STS-121 LAUNCH APPROX 1548

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Wednesday, June 28, 2006 12:37 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: ET-118 Wet Stringer

here's the water-in-the-tank thing that I was talking about. potential impact to 121 is rescue.

From: Antonelli, Dominic A. (JSC-CB)
Sent: Monday, June 26, 2006 1:32 PM
To: Stich, J S. (JSC-DA8); Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Fossum, Michael E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Sellers, Piers J. (JSC-CB); Wilson, Stephanie D. (JSC-CB); Reiter, Thomas (JSC-CB)[ESA]
Cc: Frick, Stephen N. (JSC-CB); Gorie, Dominic L. (JSC-CB); Sturckow, Frederick W. (JSC-CB); Rominger, Kent V. (JSC-CB)
Subject: RE: ET-118 Wet Stringer

Steve, Just to be clear, the STS-121 tank is ET-119 which was at KSC during Katrina, not in New Orleans. We still have some paperwork to close on ET-118, which will be STS-115's tank.

Go Discovery, Tony

From: Stich, J S. (JSC-DA8)
Sent: Mon 6/26/2006 10:10 AM
To: Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Fossum, Michael E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Sellers, Piers J. (JSC-CB); Wilson, Stephanie D. (JSC-CB); Reiter, Thomas (JSC-CB)[ESA]
Cc: Frick, Stephen N. (JSC-CB); Antonelli, Dominic A. (JSC-CB)
Subject: FW: ET-118 Wet Stringer

This is the e-mail on ET-118 that I received during our crew /FD tag-up this morning. The text below is from ET Project Manager John Chapman and sounds much more encouraging than some on the initial news on this issue. While ET-118 was at MAF during Katrina it was in the horizontal in Building 420, which explains why the water was isolated to stringer 9 and 10 at the very bottom (-Z side) of the tank.

I'll let you know if I hear additional details on this subject. Take care.

Have a great flight!

Steve S.

All-

This situation is looking much better and because of a lot of hard work and late hours by lots of folks, a path to

closure appears very viable. I apologize for this note being "Blackberry hostile" (unless yours can view attachments) but all the background is relevant and there was just too much to cut from the info sheet and paste into the body of this note.

Attached is a text document created by the L-M Team to summarize the history and current status on this ET-118 "Wet Stringer" issue. They have been continuously working the problem on a "full court press" basis since it was first discovered mid-week. Our KSC colleagues, MSFC Engineering, MSFC S&MA and the MSFC ET Project have also been integrally involved in this process.

Below, I have "cut & pasted" an e-mail from Mike Quiggle, L-M ET Chief Engineer, that summarizes the very latest "go forward <<ET-118 Stringer Info R3.doc>> d" planning as of mid-day Saturday.

Finally... as the residents of the Gulf Coast can best attest... we are all continually discovering the full extent of Mother Nature's wrath as manifested by Hurricanes Katrina and Rita.

I'll keep you posted on the TPS repairs in this area and future developments...

Chap

Note from Quiggle 6/24/06 11:51 am cdt:

"A telecom with NASA MSFC and LM technical folks was held this morning to discuss the ET-118 IT stringer water intrusion. The purpose was to discuss the results and determine the go forward plan.

The status is that five stringers were examined for water/corrosion issues. Only one stringer was found to have appreciable water (~ 1 gal.). Borescope inspection of the stringers determined that minimal corrosion products exist and that the stringer that contained water contained more evidence of corrosion than the other stringers, but that it still was not extremely significant. The water that was contained in the stringer was tested and determined to basically be neutral for pH and a conductivity was conducted which indicated that the water did not contain salts. The cadmium plating on the fasteners and the primer / anodized coatings on the IT skin/stringer panels essentially did their job of protecting the base metal parts. There is some local blistering of the primer around several of the fasteners and this will be assessed for disposition, but does not pose a problem.

A flush of the stringer with DM water was discussed. The assessment was that this was not required as a result of the lab analysis of the water in the stringer. Basically the flush would be with water similar to that which was removed. As the water that was removed indicated a neutral pH and no salinity, there is no requirement to flush the stringer.

The next topic of discussion revolved around a nitrogen purge of the stringer and the timing for that operation. The technical community assessed that there was no risk in delaying the purge operation for ~ 3 days until the tank was laid down.

Potential water in the crotch was also discussed. As an interior IT shakedown was performed prior to shipping the tank to KSC and no issues were identified, it was deemed unlikely that significant water could have seeped into the IT/LH2 crotch region. The time of exposure would be minimal so that corrosion would not be a concern and that water would have evaporated. Analysis all ready exists that shows water is in the crotch region is acceptable and would not cause structural or TPS debris issues.

The recommendation was that there are no issues for moving the tank to the horizontal position.

The recommendation was also that there were no issues as to the acceptability of ET-118 to support LON. The extent of the corrosion is not significant based on the inspection and the appropriate steps will be performed to mitigate the corrosion process.

Three actions were taken:

1. Verify that the nitrogen purge and additional inspections / mitigations are performed on the tank. (Gilbert/Campbell)
2. Document the rationale that had the condition of the water in the stringer would have been acceptable for flight. (Pilet)
3. Perform inspections of the ETs at MAF that may have been exposed to water intrusion and provide dispositions as required. (Wadge)

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Monday, July 03, 2006 2:15 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: Stuff from today

Attachments: Bracket Crack photos; Last Pictures 4; RE: More pics Pictures 2 and 3; FW: More pics Pictures 2 and 3; 10 a.m. meeting charts

They're "analyzing data" this afternoon. Next MMT this eve at 6 or 6:30 to make launch decision.
ptk

From: Ross, Jerry L. (JSC-CB)
Sent: Monday, July 03, 2006 2:13 PM
To: Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Fossum, Michael E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Wilson, Stephanie D. (JSC-CB); Sellers, Piers J. (JSC-CB); Reiter, Thomas (JSC-CB)[ESA]
Subject: Stuff from today



Bracket Crack photos



Last Pictures 4



RE: More pics Pictures 2 and 3...



FW: More pics Pictures 2 and 3...



10 a.m. meeting charts

Smith, Martha L. (JSC-CA)

From: Oefelein, William A. (JSC-CB)
Sent: Thursday, July 20, 2006 3:50 PM
To: Nowak, Lisa M. (JSC-CB)
Subject: FW: STS 116 Here-to-Launch Schedules

Attachments: L-20_Here_to_Launch_12_14_06.pdf

Fyi (seems I was just receiving these from u!)

From: Williamson, Dale F. (JSC-DT3)[USA]
Sent: Thursday, July 20, 2006 3:38 PM
To: Goldenthal, Aaron (JSC-DX2); Flagan, Adam G. (JSC-DX3)[USA]; Foerster, Alicia (JSC-SA2)[LM]; Burge, Allen J. (JSC-DT3)[USA]; Vande Zande, Amy I. (JSC-DX2)[USA]; Clem, Andrew L. (JSC-DX2)[USA]; Ceccacci, Anthony J. (JSC-DA8); Ceccacci, Anthony J. (JSC-DA8); Beth Griggs; Crisp, Brian (JSC-DT)[USA]; Sugar, Carla K. (JSC-DT35)[USA]; Catherine Hughes; Hall, Charis (JSC-DX2)[USA]; Provencher, Chris (JSC-DT2)[USA]; Stewart, Christine E. (JSC-NT)[SAIC]; Gerty, Christopher E. (JSC-DX3); Hansen, Christy (JSC-DX3)[USA]; Anderson, Clayton C. (JSC-CB); Twine, Corey (JSC-SD)[WLS]; Walton, Craig L. (JSC-DX3)[USA]; Dale; Beaver, David L. (JSC-DX3)[USA]; Stanley, David (JSC-SA)[WLS]; Vincent, Dennis M. (JSC-DT3)[USA]; Wright, Dwight D. (JSC-DT6)[USA]; Anderson, E R. (JSC-DT35)[USA]; Tom, Edward (JSC-DX3)[USA]; Stevenson, Erlinda L. (JSC-CB)[USA]; Ford, Gary R. (JSC-DO541)[USA]; Kilgo, Gary W. (JSC-DX3)[USA]; Frere, Gayle (JSC-AP)[TES]; Atér, Hannah E. (JSC-DX3)[USA]; Better, Howard S. (JSC-SD)[WLS]; Hinke, Jaime G. (JSC-DX2)[BAR]; Branson, James A. (JSC-CA4)[USA]; Tinch, James D. (JSC-CB)[USA]; Wiggs, James H. (JSC-DA8)[USA]; Lindo, Jasmin G. (JSC-DX2)[USA]; Wall, Jean K. (JSC-DT12); Tuxhorn, Jeffrey E. (JSC-DT35)[USA]; Owen, Jeremy R. (JSC-DO52)[USA]; Ross, Jerry L. (JSC-CB); Rye, Jessica F. (KSC); Curry, John M. (JSC-DA8); Kennard, John E. (JSC-DT)[USA]; Raines, John E. (JSC-XA)[HS]; Leal, Jose G. (JSC-DX3)[USA]; Schmid, Josef F. (JSC-SD2); Dervay, Joseph P. (JSC-SD2); Russell, Karen C. (JSC-CB)[RCJV]; Svetaka, Karen A. (JSC-AP)[TES]; Spicer, Kathryn (JSC-SK)[MEI]; Regula, Kevin P. (JSC-CA)[USA]; Costello, Kirt (JSC-DT5); Miller, Ladonna J. (JSC-MO); Lucier, Laura (JSC-DX2)[CSA]; Coggins, Lee (JSC-DT3)[USA]; Hammond, Leslie (JSC-DX2)[USA]; Langston, Linda S. (JSC-DA6)[USA]; Toole, Linda J. (JSC-DX2)[USA]; Martignetti, Lisa (JSC-DT3)[USA]; Yost, Mark J. (JSC-DX3)[USA]; Osborn, Marlene (JSC-SD)[WLS]; Erne, Martin F. (JSC-DO45)[USA]; Pepper, Matthew E. (JSC-DX2)[USA]; Melissa Preble; Bloomfield, Michael J. (JSC-CB); Massimino, Michael J. (JSC-CB); Lucas, Michelle L. (JSC-DT2)[BAR]; Sequeira, Miguel A. (JSC-DT3)[USA]; Ishmael, Mohamed I. (JSC-DT)[USA]; Meinhardt, Nancy J. (JSC-DX3)[USA]; Deemer, Nathan R. (JSC-DX2)[USA]; Ivanov, Nikolay (JSC-DT2)[USA]; Chiarenza, Orazio (JSC-DT13)[ESA]; Adams, Pamela J. (KSC); Reichert, Paul A. (JSC-DX3)[USA]; Uranga, Paul (JSC-DT3)[USA]; Williamson, Paul (JSC-DX2); Mosis, Paula (JSC-DT3)[USA]; Grounds, Phyllis F. (JSC-MO3); Howard, Ralph E. (JSC-OZ)[TBE]; Ross, Renee (JSC-DO354)[USA]; Canter, Richard F. (JSC-IS4)[IDI]; Smith, Richard W. (JSC-DT)[USA]; Robert Miley; Tomaro, Robert H. (JSC-DX3)[USA]; Rusty Steward; Segadi, Scott (JSC-DT4)[USA]; Wenger, Scott (JSC-DX2); Gumm, Shannon J. (JSC-DX14)[RAY]; Castle, Sharon B. (JSC-OC); Whelan, Sheila M. (JSC-SK)[WLS]; Irwin, Sheralyn A. (JSC-SK)[WLS]; Gaylor, Stephen G. (JSC-MO3); Hart, Stephen F. (JSC-SD2); Riley, Steven J. (JSC-DX2); Munson, Stratton (JSC-DT4)[USA]; Dalmeida, Sue (JSC-EB)[LM]; Williams, Sunita L. (JSC-CB); Susan; Smith, Terry (JSC-CB)[RCJV]; Hanson, Thomas I. (JSC-DT3)[BAR]; Creekmore, Tiffany (JSC-DF51)[RCJV]; Creamer, Timothy J. (JSC-CB); Mack, Tricia K. (JSC-DX3); Kost, Valerie J. (JSC-DT2); Renfrew, Vanessa (JSC-DX3)[USA]; Smith, Yolanda E. (JSC-DX2)[USA]; Drewry, Zachary B. (JSC-DX2)[USA]; Valentine, Andre (JSC-AP)[TES]; Ahearn, Betsy L. (JSC-CA)[USA]; Coleman, Catherine G. (JSC-CB); Christina Lee; Chiodo, Christine A. (JSC-DT5); Anderson, Clayton C. (JSC-CB); Bell, Ernest R. (JSC-DX3)[USA]; Humble, Gregory D. (JSC-DO55)[USA]; Branson, James A. (JSC-CA4)[USA]; Curry, John M. (JSC-DA8); Zeh, John G. (JSC-DT3)[USA]; JSC-DL-Shuttle-Crew-Schedule; JSC-DL-Station-Crew-Schedule; Brown, Kathy H. (MSFC-NAS802060)[TBE]; Duplichen, Kristi M. (JSC-DO531)[USA]; Boyer, Melissa L. (JSC-DT3)[USA]; Menard, Michael J. (JSC-CB)[USA]; Prange, Michael T. (JSC-CA4)[USA]; Graubard, Robert E. (JSC-DT3)[USA]; Williams, Sunita L. (JSC-CB); Carmona, Yvette (JSC-MO2)[USA]; Fuglesang, Christer (JSC-CB)[ESA]; Higginbotham, Joan E. (JSC-CB); Polansky, Mark L. (JSC-CB); Patrick, Nicholas J. (JSC-CB); Curbeam, Robert L. (JSC-CB); Oefelein, William A. (JSC-CB)
Subject: STS 116 Here-to-Launch Schedules

Please review the attached Here-to-Launch schedules for STS-116/12A.1 and let me know if any changes or additions are required. It's really the deletions that I'd like to hear about, but I'll take all inputs.

Thanks,

Dale Williamson
Training Manager, STS-116
Training Ops and Planning
281-244-8435



L-20_Here_to_Laun
ch_12_14_06.p...

DATE: 20-JUL-06
 PREPARED BY: Dale Williamson, Training Manager
 Phone: 281-244-8435
 24 JUL 06 - 28 JUL 06

STS-116 Crew Activity Schedule
 L-20 FOR 12/14/06 LAUNCH DATE

TIME: 12:23:42
FINAL
 Strength Specialist - Corey Twine
 Phone: 281-244-2310

Day	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
07/24	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
MON	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG
	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
07/25	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
TUE	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG
	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
07/26	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
WED	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG
	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
07/27	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
THU	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG
	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
07/28	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO	PO
FRI	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF	OF
	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR	CR
	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK	PK
	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG	FG
	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg	Hg
	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W

GYM TIME
 Note 1; Fg, ALTEA BDC; Constraints
 No neuroactive medications within 72 hours of testing
 No alcohol within 48 hours of testing
 No caffeine within 12 hours of testing

T-38 to EFD
GYM TIME
T-38 to EFD

SSATA ISS SSATA WT 31154
SSATA ISS SSATA WT 31154
SSATA ISS SSATA 31154

ADMIN
ADMIN
ADMIN

DBF
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DBF

STS 121 PDRS
STS 121 PDRS
STS 121 PDRS

ADMIN
ADMIN
ADMIN

DBF
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Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Friday, July 21, 2006 12:10 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: OV-103 Right Hand Air Data Probe

From: Stich, J S. (JSC-DA8)
Sent: Friday, July 21, 2006 8:07 AM
To: Gruber, David J. (JSC-DF611); Helms, W J. (JSC-DF62); Jones, Joe H. (JSC-DM4)[USA]; Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Frick, Stephen N. (JSC-CB); Antonelli, Dominic A. (JSC-CB)
Subject: OV-103 Right Hand Air Data Probe

From the Daily NTD Report today:

- RH Air Data Probe and inspection, stow and re-inspection was completed yesterday. The ADP functioned properly, but there were visual indications of raised metal and contact between the trunnion and some tile. The ADP has been stowed to allow tile to work in the area.

This is consistent with the signature of the motor driving any time the probe was in deploy or deploy/heat.

Steve

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Monday, July 24, 2006 11:53 AM
To: Oefelein, William A. (JSC-CB)
Subject: FW: Astros game 8/14
Importance: High
Attachments: NASA Ticket Flyer.pdf

Wow, that viscosity thing is very complicated! (you guys will have many advanced technical discussions on your "light" mission days on orbit, I'm sure!)
Maybe some of your crew would want to go to the Astros game. Attached flyer has info on getting half-price seats, and they advertised it in JSC-Today also.
346d

From: Cabaniss, Brenda A. (JSC-CB)[USA]
Sent: Thursday, July 20, 2006 5:48 PM
To: Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Wilson, Stephanie D. (JSC-CB); Fossum, Michael E. (JSC-CB); Sellers, Piers J. (JSC-CB); Nowak, Lisa M. (JSC-CB); Caldwell, Tracy E. (JSC-CB)
Cc: Dougherty, Janet Y. (JSC-CB)[USA]; Peterson, Douglas D. (JSC-CB)
Subject: Astros game 8/14
Importance: High

Hello all and Welcome back!

In case you haven't already heard, the Astros would like to WELCOME YOU BACK TO EARTH with a NASA Days event during the August 14 Astros vs.. the Chicago Cubs game. The event includes NASA exhibits. (See attached flyer for more details)

Steve has okayed the event.

The agenda is standard: throw-out the first pitch, (possibly an interview with Milo and a press conference), and of course a great game! Also, the first 10,000 fans will receive a free commemorative STS-121 Astros Cap (with your patch logo) courtesy of United Space Alliance. The Astros management is also working with Major League Baseball to see if the Astros players can wear these same caps on the field. Finally, a HUGE plus, our very own Tracy Caldwell will be singing the National Anthem.

This event promises to be one to remember!

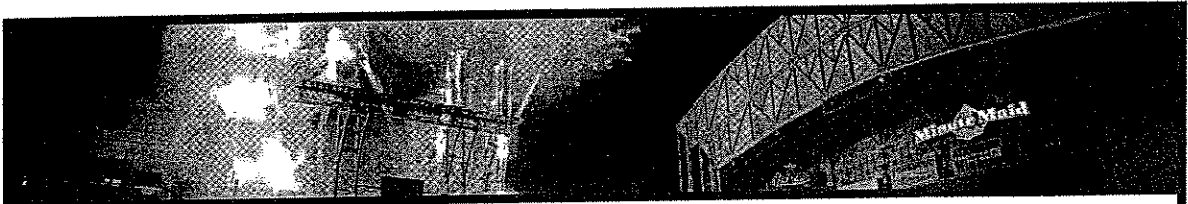
For this event, each astronaut gets one ticket for themselves and one for a guest. Additional tickets can be purchased for \$18.50--that's a 50% discount for the section you will be sitting in (the field box level). Please forward the total number of tickets you require, so you and your guests can sit in the same section.

If you have any questions, please see Janet Dougherty or myself.

One last thing, if there is anything you would like to present or return to the Astros (flown items, etc.), please let Janet, Doug or me know. Looking forward to hearing from you soon.

Cheers,

Brenda A. Cabaniss, Publicist
NASA Johnson Space Center
Astronaut Appearances Office
2101 NASA Parkway
MC-CB
Houston, Texas 77058
281-244-8860
281-244-8863 Fax



NASA Night

at Minute Maid Park



vs.



Monday, August 14th @ 7:05 p.m.



The first 10,000 fans will receive a commemorative STS-121 Astros Cap courtesy of United Space Alliance.

- Special pregame salute to the crew of STS-121
- National Anthem by NASA astronaut Tracy Caldwell
- Booths & exhibits throughout the ballpark highlighting the work of NASA

Special 1/2 price tickets!

Field Boxes - \$18.50

Bullpen Boxes - \$11.50

Mezzanine - \$8.00

View Deck I - \$6.00

View Deck II - \$5.00

FOR TICKET PURCHASES OF 19 OR LESS

Log on to www.astros.com/nasa. Your password is discovery. Select your game (August 14th) you wish to purchase. You must enter password to receive special pricing. Convenience and handling fees will apply to all on-line orders.

INTERNET ORDER DEADLINE -

2 hours prior to official start time of game.



FOR GROUP TICKET PURCHASES OF 20 OR MORE

Call Kyle Dawson (713) 259-8310 or e-mail KDawson@astros.com

This offer cannot be combined with another. All ticket sales are subject to availability. Times and dates are subject to change.

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Friday, July 28, 2006 12:14 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: REV 5 STS-121 POST FLIGHT SCHEDULE AS OF 7/28/06

Attachments: STS121_PSTFLT_AS_OF_0728.pdf

From: Simpson, Alicia A. (JSC-DT3)[USA]
Sent: Friday, July 28, 2006 11:52 AM
To: Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Fossum, Michael E. (JSC-CB); Wilson, Stephanie D. (JSC-CB); Sellers, Piers J. (JSC-CB)
Subject: REV 5 STS-121 POST FLIGHT SCHEDULE AS OF 7/28/06

Changes are noted with a "5".



STS121_PSTFLT_AS
_OF_0728.pdf (...)

Alicia Simpson
Training Manager STS-121
JSC/4S Rm 2210;DT32
☎ 281/244-7268
Pager: 713/764-5314
[☐mailto:alicia.a.simpson@nasa.gov](mailto:alicia.a.simpson@nasa.gov)

DATE: 28-JUL-06

STS-121 Crew Activity Schedule

TIME: 11:16:28

PREPARED BY: Alicia Simpson:281-244-7268

Office: 4S/2210 Pager: 713-764-5314

31 JUL 06 - 04 AUG 06 STS-121

R+2 WEEK (LANDING 7/17/06)

REVISION 5

Time	Day	Activity	Notes
07:31	Ld		
08:00	M	ASTRONAUT OFFICE DBRF 4S/6600	
08:00	O	FDF DEBRIEF 4S/6600	
08:00	N	FLIGHT IMAGERY RVW	
08:00	Fs	FLIGHT IMAGERY RVW	
08:00	Sl	FLIGHT IMAGERY RVW	
08:00	W1	FLIGHT IMAGERY RVW	
08:00	R+14		
08:01	Ld		
08:01	Kn		
08:01	Nw		
08:01	Fs	PHOTO/TV DEBRIEF 4S/6600	
08:01	Sl	TRAINING DEBRIEF 4S/6600	
08:01	W1		
08:01	R+15		
08:02	Ld		
08:02	Kn		
08:02	Nw		
08:02	Fs	PAO LOS ANGELES	
08:02	Sl		
08:02	W1		
08:02	R+16		
08:03	Ld		
08:03	Kn		
08:03	Nw		
08:03	Fs	PAO LOS ANGELES	
08:03	Sl		
08:03	W1		
08:03	R+17		
08:04	Ld		
08:04	Kn		
08:04	Nw		
08:04	Fs	PAO LOS ANGELES	
08:04	Sl		
08:04	W1		
08:04	R+18		

A-Fs: SI W/DSO 493 LATENT VIRUS. COLLECT SALIVA SAMPLES IMMEDIATELY AFTER SLEEP CYCLE BEFORE EATING DRINKING OR BRUSHING TEETH.

D-(Ld, Fs, S)ISSP MANAGER DBRF 1/524

E-(Ld)DBRF W/STICH 4N/314

B-(Ld, Kn, S)DSO 498 IMMUNE FUNCTION & FLT. MED CLINIC BLOOD DRAW

C-(Ld, Fs, S)DSO 500 & FLT MED CLINIC. START 24 URINE COLLECTION WITH FIRST VOID ON 8/1. END AFTER 1-2 VOIDS ON 8/2.

F-(W1)PHONE INTERVIEW W/TOM JOYNER MORNING SHOW 4S/6429.

1-38 GROUND SCHOOL @ EFD

FLIGHT IMAGERY RVW

FLIGHT IMAGERY RVW PAO PHOENIX

PAO LOS ANGELES

PAO LOS ANGELES

PAO LOS ANGELES

DATE: 28-JUL-06

PREPARED BY: Alicia Simpson:281-244-7268

Office:4S/2210 Pager:713-764-5314

07 AUG 06 - 11 AUG 06 STS-121

STS-121 Crew Activity Schedule

TIME: 11:16:44

REVISION 5

R+3 WEEK (LANDING 7/17/06)

Day	Time	Activity	Notes
08/07 MON	08:00-08:08	REHAB/GYM	
	08:08-08:11	FLIGHT IMAGERY RVW	
	08:11-08:13	FLT DIR DEBRIEF 4S/6600	
	08:13-08:15	MCC PLAQUE HANGING 30/MCC	
	08:15-08:17	PGSC DEBRIEF 4S/6600	
08/08 TUE	08:00-08:08	REHAB/GYM	
	08:08-08:11	FLIGHT IMAGERY RVW	
	08:11-08:13	FLIGHT IMAGERY RVW	
	08:13-08:15	ROBO DEBRIEF 4S/6600	
	08:15-08:17	FLIGHT IMAGERY RVW	
08/09 WED	08:00-08:08	ISS SAFETY RVW PANEL 4S/6600	
	08:08-08:11	ISS SAFETY RVW PANEL 4S/6600	
	08:11-08:13	RNDZ/DOCK DBRF 4S/6600	
	08:13-08:15	FLIGHT IMAGERY RVW	
	08:15-08:17	FLIGHT IMAGERY RVW	
08/10 THU	08:00-08:08	FLIGHT IMAGERY RVW	
	08:08-08:11	FLIGHT IMAGERY RVW	
	08:11-08:13	FLIGHT IMAGERY RVW	
	08:13-08:15	FLIGHT IMAGERY RVW	
	08:15-08:17	FLIGHT IMAGERY RVW	
08/11 FRI	08:00-08:08	REHAB/GYM	
	08:08-08:11	FLIGHT IMAGERY RVW	
	08:11-08:13	FLIGHT IMAGERY RVW	
	08:13-08:15	FLIGHT IMAGERY RVW	
	08:15-08:17	FLIGHT IMAGERY RVW	

B-(L)PHONE INTERVIEW "MENS JOURNAL" YOUR DESK

NOTE 1: (P)RADIO INTERVIEWS 93Q, 97.1 & K-HITS @ STATION.

A-(S)PHONE INTERVIEW GABRIEL SHEPARD OF "KENT & SUSSEX COURIER" IN YOUR OFFICE.

C-(S)PHONE INTERVIEW "KIDS POST" AT YOUR DESK.

N/A

LEAVE

LEAVE

DATE: 28-JUL-06

STS-121 Crew Activity Schedule

TIME: 11:17:24

PREPARED BY: Alicia Simpson: 281-244-7268

Office: 4S/2210 Pager: 713-764-5314

14 AUG 06 - 18 AUG 06

STS-121

R+4 WEEK (LANDING 7/17/06)

REVISION 5

Day	Time	Activity
08/14 MON	07:00 - 08:00	CB MEETING 4S/8600
	08:00 - 10:00	REHAB/GYM
	10:00 - 12:00	FLIGHT IMAGERY RVW 12/154
	12:00 - 14:00	FLIGHT IMAGERY RVW 12/154
	14:00 - 18:00	ASTROS @ MINUTE MAID PARK
08/15 TUE	00:00 - 08:00	LEAVE
08/16 WED	08:00 - 10:00	HARNESSEVAL @ FCE
	10:00 - 12:00	FLIGHT IMAGERY RVW 12/154
	12:00 - 14:00	LEAVE
	14:00 - 18:00	FLIGHT IMAGERY RVW 12/154
	18:00 - 24:00	A-CLONE ON ONE CDR TAG-UP 4S/6601
08/17 THU	00:00 - 08:00	REHAB/GYM
08/18 FRI	08:00 - 10:00	REHAB/GYM
	10:00 - 12:00	REHAB/GYM
	12:00 - 14:00	LEAVE
	14:00 - 18:00	GENERAL AWARDS SCH DOORS OPEN @ 0600 EVENT BEGINS @ 0630
	18:00 - 24:00	GENERAL AWARDS SCH DOORS OPEN @ 0600 EVENT BEGINS @ 0630

DATE: 28-JUL-06

STS-121 Crew Activity Schedule

TIME: 11:18:28

PREPARED BY: Alicia Simpson:281-244-7268
Office:4S/2210 Pager:713-764-5314

21 AUG 06 - 25 AUG 06 STS-121

R+5 WEEK (LANDING 7/17/06)

REVISION 5

Day	Time	Activity
MON	08/21 Ld	
	08/21 Km	
	08/21 Nw	
	08/21 Fs	
	08/21 Sl	
TUE	08/22 Ld	
	08/22 Km	
	08/22 Nw	
	08/22 Fs	
	08/22 Sl	
WED	08/23 Ld	
	08/23 Km	
	08/23 Nw	
	08/23 Fs	
	08/23 Sl	
THU	08/24 Ld	
	08/24 Km	
	08/24 Nw	
	08/24 Fs	
	08/24 Sl	
FRI	08/25 Ld	
	08/25 Km	
	08/25 Nw	
	08/25 Fs	
	08/25 Sl	

USA MGMT DEBRIEF
1150 GEMINI
6TH FLOOR

B-(Fs, S)BLDG. 9 APPRECIATION 9/OCC DESK

TBD ACTIVITIES TO BE SCHEDULED:
SPACE CENTER HOUSTON DAY APPEARANCE
POST FLIGHT CREW RECOMMENDATIONS MEETING

6-DOF EVAL 9/6-DOF

A

A-(W)WCS REFR W/HEIDI STS-115
5/WCS

6-DOF EVAL 9/6-DOF

R+39

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Friday, July 28, 2006 1:33 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: 7/27/06 Shuttle Standup Summary

Attachments: DIR072706.doc

As the person assigned to track the vehicle, you may want to get on this distro list if you aren't already.

From: Lindsey, Steven W. (JSC-CB)
Sent: Thursday, July 27, 2006 5:10 PM
To: Fossum, Michael E. (JSC-CB); Kelly, Mark E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Sellers, Piers J. (JSC-CB); Wilson, Stephanie D. (JSC-CB)
Subject: FW: 7/27/06 Shuttle Standup Summary

Take a look at the 5th bullet under 'Orbiter' . . .

From: Moffitt, W L. (JSC-DA8)[USA]
Sent: Thursday, July 27, 2006 11:12 AM
To: JSC-DL-Shuttle-Standup; Altemus, Steve; COLLINS, EILEEN; Cook, Roger M; Curie, Michael J; Driver, Ross; Erteschik, Ira; Hammond, Neal; Hartwig, Scott; Higginbotham, Scott A; Jonathan Krezel (jonathan.krezel@nasa.gov); Kirsch, Michael; Lacey, Daniel R. ; Lightfoot, Robert; 'Malloy, Susan'; 'McClung, Kip'; Meredith, Barry; Miller, Kouri E. (HQ-CE020); 'Miller, Sandy L'; Najarian, Angie; Nichols, Stanley; 'Orr, James'; 'Oswald, Steve'; Paternostro, C. David; Percy, Bob; Pfleeger, Jerry; Pifer, Shawn; 'Pryor, Pat'; Rahman, Shamim; 'Reichert, Leroy'; Reilly, Stephen; 'Richards, Dick'; Rigney, Ronald; Riley, Matt; 'Robinson, Gregory'; Roe, Ralph; Rudolphi, Michael U; Schmelz, Mark D; 'Scolese, Chris'; Segert, Randall; 'Sherman, Dennis (Boeing)'; Shinpaugh, Earl; 'Singer, Chris'; Stilson, Stephanie S. (JSC-REMOTE); Tepool, Ronald; Terry, Kim; Valdiva, Mike; 'Vanhooser, Teresa'; 'Vaughn, Mike'; 'W. M. Hawes'; Weathers, Lloyd R; Wetmore, Mike; Wetmore, Ron; Whitehead, Scott A; Whitmeyer, Tom; 'Wiley, Warren'; Willcoxon, Rita; Williams, Keith; Wilson, Tim; Wood, Thomas; Ahrens, Susan; Allen, Meghan; Anderson, Scott; Arzaz, Mehdi; Beaman, David; Bihner, Bill; Brown, Erwin H.; Bundy, Karla; Cabe, William L; Capaleni, John; Carl Jones; Carter, Bill; 'Cash, Steve'; 'Chapman, John (MSFC)'; Cheston, Derrick; 'Clokey, Craig (USA)'; Crews, Greg; Daniel.J.Mullane@nasa.gov; Darrell Holloway; Delgado, Hugo; Dennis, Jay; 'DeVault, Mike'; Dillman, Dennis; Easterly, Matthew P; Elsperman, Michael S; Ferebee, Melvin J.; Fran Searcy ; 'Gedies, Bob'; Gerstenmaier, Bill; Gilbert, Mike; Gilbrech, Richard; Glenda Toole ; Goldman, Gene; Griffin, Michael; Hagopian, Mike; Hill, Bill; Hinson, Fred; Honeycutt, Jay; 'Home, Charles'; Jay Nichols ; Jenkinson, Glenn M; 'Jim Kaminsky'; Joe Hammond ; Jones, Chip; Judd, Bryan; Kambanda, Nola; Kehoe, Mike; Khatri, Ramesh; Knarr, Charles R; Kontinos, Dean; Kunkel, Henry; Lang, Bob; Legler, Bob; Mark Bowman ; Martin, David; Martin, Jolene; Martin-1 Curtis; Martt, Anne; McConnaughey, Helen; Muirhead, Brian; Mulholland, John P; Phil Cleary (Philip.Cleary@mtlo.nasa.gov); Russell, Lionel J.; Sanchez, Gabriel; Schafer, Charles; Stewart, Jim; Tamer, Kathy
Subject: 7/27/06 Shuttle Standup Summary

7/27/06 SHUTTLE STANDUP

NOTE: Shuttle Standup Summaries are posted on the following DA8 web site:

<http://mod.isc.nasa.gov/mod/DA8/ProgramIntegration/Shuttle%20Standup%20Summaries/Forms/AllItems.aspx>

Chairperson: Mr. Wayne Hale

Integrated Flow Status (USA/KSC)



OV-104 (STS-115)/OPF-1

- Doing well on STS-115
- Monday, got the vehicle to the VAB
- Orbiter/ET mate is going quite well
- Into Monoball connects now and look to power up for interface test in the morning on third shift
- On Saturday, will do Preps for rollout
- Planning on going to the pad on Monday, third shift. First motion will be mid-night on Sunday night

OV-105 (STS-118)/OPF-2

- Continuing with checkout and all is going well

OV-103 (STS-116)

- All engines were removed yesterday
- Into FRCS functional this week
- Will remove the Boom tomorrow
- Scape this weekend for hyper deservice and APU catch bottle drain
- Next week; fuel cell and single cell voltage test. Getting into OMS Pod functional and the MPS 17" BSTRAs inspections, prevalve screen inspections, flowliner slot inspections

Shuttle Processing (NASA/KSC)

- Looking forward to having another vehicle at launch pad.

KSC Logistics (USA/KSC)

- OV-103--final window #6 was delivered last night which completes the full set of 1 - 6.
- RJF28 for 103 work is complete and ready to go on to the test equipment for final ATP.

KSC Launch Integration Manager (NASA/KSC)

- FRR--will see the letter next week.
- Plan to start the FRR at 8am on Tuesday, 8/15.
- On Wednesday, 8/16, scheduled for about 1/2 day. Will try to take breaks during the FRR.
- In prep for FRR, want to hear Special Topics at the 8/3 Standup.
- Last week, at Orbiter Rollout Mate Review for Atlantis, issued a couple of actions with constraints to rollout to the pad associated with the WSB#3 Vent IFA on Discovery. Folks are working on this and will hear more from Orbiter as to their forward plan. Grounds Ops will probably tell that they can do a changeout of WB tank load at the pad if that is the design team decision. Expect to hear a status at the Daily PRCB tomorrow in preparation for rolling out to the pad. May not have a complete story.

SSME Testing (NASA/SSC)

- A2 -Engine 0525, today we are running sequence arm checkouts and FRT's. Barges hooked up and plan to test tomorrow the 746 seconds
- A1- Engine 0522, still R&R'ing engine green hardware, doing some facility checkouts and the plan

is to test on Monday

SSME (Pratt-Whitney-Rocketdyne/KSC)

- Removed all 3 engines from OV-103. The first was engine #3 and was back into the shop yesterday morning.
- Started FPB purge Anomaly investigation and did a thorough inspection of the filter which was one of the suspect items. The filter was absolutely clean. Inspected purge line and that line was clean. Were able to get a 100% inspection. Took the bookend fitting off between the valve and the check valve and that was clean. Looked into the FPOV and did not see any anomalies and at this point, packaged up the 2 purge check valves and the fuel preburner oxidizer valve and sent to Los Angeles for arrival this morning. Troubleshooting will be occurring in the valve room.

RSRM (ATK Launch Systems-Utah)

- RSRM 95 forward/center segment is heading to KSC and should be there for a Monday handoff

RSRM (NASA/MSFC)

- Management team was at Thiokol last couple of days
- Had a Flip-through yesterday for FRR package for next Monday's Level III Pre FRR and getting ready for the review first of week

SRB (USA/KSC)

- Liberty Star-on her way back with Stennis pressure barge in tow. ETA at the Port is 0900 Sunday.
- ET Barge, Pegasus waiting at Michoud for the ET-123 load

SRB (NASA/MSFC)

- Bringing forward a funding request for 1 APU Out task today at the PRCB

ET (LMSS/MAF)

- ET-123 is in final assembly
 - A-Pocket sprays on the longerons completed and prepping for the B sprays, wedge sprays are complete and prepping to install the copper heater plates and the rest of the bi-pod fittings
 - 1106 Drip Lip issue- R&R has been done and are working an issue with substrate temperatures and engineering is evaluating
 - Camera installation-configuration problem with antennae with a short stud that passes through the mounting plate and may need to salvage one off ET-120.
 - ECO Sensor R&R is in work finishing final routing of harnesses. Will have some repairs on a P-clamp to do as we back out of there due to a torque wrench that was dropped inside of the tank.
- ET-124-making good progress in Cell A
 - Intertank venting is about 50% complete
 - Point fills are complete
 - Thrust panel pocket trims are complete
 - Doing final surface preps for the stringer injections
 - All mock-ups are coming along for the upper and lower flange closeouts

ET (NASA/MSFC)

- Hosted some visitors from JSC
- Several projects at MAF bringing production facilities in line to support the new RTF TPS applications which are very important to get in place and help meet manifest schedules

- Had to re-spray Drip Lip on 1106
- Dorothy had a really good tour of Cell A, Building 420, and other facilities and she saw all the challenges we have in trying to maintain the environment in those areas as well as the lighting and other things relative to getting the application sprays.
- We had planned to come to PRCB on cost on some of the projects due to the environments due to Katrina. We are not quite ready to come to the PRCB so we pulled that item off the agenda. Should be ready in the next week or 2 to come to the PRCB.

MSFC Deputy Program Manager (NASA/MSFC)

- Dorothy is at Marshall today.

Orbiter (USA/JSC)

- Good tagup with OPO yesterday discussing a lot of the hot technical topics.
- WSB anomaly on 103-- water PGME mixture leaking out. So far, from the troubleshooting, we were able to determine the heat exchanger by-pass valve is not functioning correctly. Saw evidence in flight and in troubleshooting and it kinda healed itself. We are not sure how it affected the overflow. We are 99% sure that we will have to pull the WSB and the controller send to Hamilton Standard for further checkout.
- OV-104--Ground Ops told us that they have other plans and procedures in place and feel confident that they can drain and fill with pure water on the pad if they have to in order to get the PGME mixture out. Still determining if we have to do that and are working with the NESC and JSC Engineering to understand the potential for flammability of the mixture outside of vehicle and near the APU vent. If it did ignite, what are the consequences? Need to get the decision to KSC in order to do the drain at the pad by early next week. Another OPO tagup next week to get to KSC in time to do work if necessary.
- Air Data Probe Anomaly on OV-103-found a small piece of raised metal when deployed on forward end. Scrapes on the tile, the flight data, the tile damage--everything matches up with raised metal hanging up on the tile as the probe tried to deploy. Eventually, it overpowered the tile and deployed. Do not know how it got there. M&P will look at it more. It looks like it may have been struck by something. Also looked at the possibility that there was some internal FOD but there is no evidence anything was in there that could cause a jam. Clearly, it is an interference between the raised metal and the tile. Concluded that the 103 event was unique and will not need to deploy the 104 Data Probes when we get to the pad.
- Boundary Layer Transition from the 2 protruding gap fillers--The best we can conclude is that the ET door gap filler protrusion caused a localized transition around Mach 13 or a little before that. The gap filler on the port wing, the transition was at about Mach 17.5 and both of these were on the low end of predictions that were done during flight which shows our tools are somewhat conservative. The rest of the vehicle looks like it transitioned somewhere around Mach 7.5 which is on the low side of what we normally have and is attributed to a very clean vehicle. We will summarize and bring to FRR as a Special Topic.
- Found some thruster chips in some of the forward thrusters. We will determine if we need to pull thrusters. Now, the most suspect looks like F1L and there is another on Manifold 1 and another on Manifold 3. If we do have to pull the thruster, we will have to take the forward pod off and send to the HMF. Will have to R&R all the thrusters on the same manifold. If have to pull the pod, we will know by next Friday.
- Looked at Vent doors and blockages/non-blockages on OV-103 with borescope. If we have to pull the pod for the thrusters, then we can get a better close look. However, what we are able to see with the borescope through the vent doors shows no blockage, no blankets out of configuration and no damage. As of now, we do not know why we got readings we got on 103. On 104, have looked through the vent doors before it left the OPF and do not see anything and with doors open at pad, we may be able to see more.

Orbiter Project (NASA/JSC)

- Tracking 3 things relative to the FRCS and any one of the 3 could cause FRC removal
 - Air Data Probe was one of them and it was cleared yesterday.
 - Chips on Thrusters and the analytical work will be done by early next week and will be giving clear one way or another on that.
 - Delta P transducer and the borescope inspection work--based on what we have seen, if this is the only thing that is suspect, we would not make a recommendation to remove the FRCS. By doing this next week, this will support the LON requirement and meet KSC's need date for a decision.
- COPV-we did burst proof test at WSTF. This is a 40" OMS Helium tank. Design proof pressure for burst is 7313 psi. We actually did burst at 7667psi. The original Qual test was at 8010psi. We were doing some preliminary testing where we were taking tank to max operating pressure and doing a few cycles. We yielded the internal liner. We were pleased to see that it was above design burst requirement. There is still more work/analysis/correlation to be done to be able to go to the end of the Program with COPV's. Hale: That was an older tank, right? Answer: That was an older tank...either the oldest tank or second oldest in the fleet.
- APU-Had 2 IFA's on the APU-- Troubleshooting will be going on today and tomorrow--Will go in Scape and start removing caps and try to isolate where the leak was...assuming we had a leak.
- T-Seal 10R on OV-103--It is not a crack and there was no impact damage. It was a previously repaired damage site on 10R. The repair just needs to be re-repaired. Not unexpected with RCC hardware. Dispell any rumors about a crack on T-Seal 10R.

Engineering (NASA/JSC)

- Completed Pre-FRR yesterday and talked issues that have been discussed so far but there is nothing hanging out there.
- Will have a SERB tomorrow on unburned Hydrogen for a pad shutdown and the hazards associated with it.

Flight Ops (USA/JSC)

- Completed internal FRR yesterday in preparation for MOD and the USA Program Level FRR.
- Working no issues that would interfere with launching either on August 27th or 28th.

Mission Ops (NASA/JSC)

- STS-115 Flight Rules to JPRCB on Monday. No PCN's to the big books planned before 115
- STS-121 Lessons Learned will be reviewed at Ascent/Entry Techniques tomorrow and Orbit Flight Techniques on Tuesday.

Flight Crew (NASA/JSC)

- Crew is happy and in training and are ready for TCDT 2 weeks from today.

EVA (NASA/JSC)

- Good review for last 2 days here at JSC.
- STS-115 Review is tomorrow.
- Station EVA is next week on August, 3rd

Flight Operations & Integration (JSC)

- At the FOICB on Monday, heard an MIP CR that formally added Late Inspection into the STS-115 mission and assigned a priority to the task. Gave direction to the IPT to manifest a minimum set of EVA hardware to perform an un-docked RCC Crack repair using NOAX. Think it is important

that the PRCB hear this and will be bringing an SR to the PRCB today to summarize that discussion.

- Also, the FOICB heard an FRD CR that formally added a daylight launch to STS-115 and documented the ET Umbilical Lighting requirements. Did not get consensus at the FOICB on the lighting requirements for the ET Umbilical. Wanted to bring this forward also to the PRCB. It impacts the launch window.

Integration (USA/JSC)

- Had Internal USA/BOEING Pre-FRR yesterday with no showstoppers.

Systems Engineering & Integration (NASA/JSC)

- Good Lessons Learned meeting yesterday and have a couple of groups that still need to bring their Lessons Learned from the last flight. We have a few process improvements to put in place for next time.
- IFA's--Reminder that next week we have a couple of IFA events. At the SICB, each element will bring a brief summary of their element IFA's and will talk about which should be Integrated IFA's. Have a good start on this because of meetings already going on.
- Next Thursday, on PRCB Agenda, everybody is responsible to bring their IFA's forward to the Program and want to make sure that people understand that each element is responsible for their own Element IFA's. There may have been confusion that SE&I would talk about all the IFA's. That is not the case.
- Today, we will release an Debris Integrated Group Charter. Had a preliminary look at it at the SICB. This will be a group with participation from all organizations that have something to do with debris characterizaiton and risk assessment. Jim Peters will be chairing that group and we will release the CR today and it will go through the normal CR process to get comments and then we will bring forward to PRCB in a couple of weeks to baseline it.
- Bob Page is pulling together the Entry Imaging Plan for the Program and has been talking to all the organizations and Centers who have assets that might be used and is pulling together for STS-115.

Strategic Planning

- Lee Norbratten will at Ames for a One Nasa Conference
- Mack Henderson will be at Marshall for the Constellation and the ESMD QPMR activity
- Jon Olansen will be in France to teach at the International Space University

Budget Office

- Business Team held a Summit Monday and Tuesday and wanted to thank folks at SSC for hosting the summit.
- QPMR will be on 8 /22 and 23. The Agenda will be out today or tomorrow.

Management Integration

- PRCB agenda is short today. Three PRCB's until FRR. So far, everything is looking good for STS-115.
 - Critical Path Items
 - STS-115 ET Umbilical Lighting
 - STS-115 Late Inspection
 - Funding Request for SRB
 - One APU Out Testing

Headquarters

- Will do another update with White House and OSTP folks on Tuesday in preparation for STS-115 and give a summary of the STS-121 results.

Lonnie Moffitt

Shuttle Program Integration

Flight Director Office

Office: 281-244-8534

Blackberry Cell: 832-758-2359



NASA OPS DAILY ISSUES REPORT

07/27/06

NASA Test Director: 321-861-6831 Published: 0600

STS-115 Integrated Operations (OV-104 / VAB HB-3 / MLP- 2 / PAD B)

- S0004 Operations:
 - Purge established on vehicle and T-0's mechanically mated. LH2 side electrical mate is complete. LO2 side was halted due to a damaged J70 connector saver, awaiting disposition.
 - LO2 and LH2 umbilical ordnance installation complete at 1849 hrs.
 - LO2 and LH2 stud tensioning complete at 2103 hrs.
 - LO2 and LH2 monoball installation/electrical mate is in work this morning.
- S0600 Operations:
 - Canister lift/mate with PCR and payload transfer from canister to PGHM completed yesterday.
 - Canister lowering is Friday morning at 0500 hrs.
 - Payload Bay Doors will be opened next Wednesday (8/2) with installation to follow.
- SRB and Orbiter rollout instrumentation installation worked yesterday. INS installed rollout vibration accelerometers on the orbiter Right Wing and Vertical Stabilizer last evening.
- S0008/V1149 Shuttle Interface Test call-to-stations is currently scheduled for Friday 3rd shift at 0100 hrs. V1149.013 Orbiter/ET cavity purge verification will be worked at the Pad due to the MLP purge line replacement. S0008 and V1149 expected to complete by end of 3rd shift Saturday morning. Currently there are No Cat 1 constraints.
- Platform retracts planned to start on 1st shift Friday and run thru Sunday. A5214 Orbiter roll out to Pad B scheduled for Monday 3rd shift. Currently there are 40 constraints.
- S0009 Pad Validation CTS scheduled for 0730 hrs on Monday, July 31st. Currently there are 25 constraints.

(Ross/Woodward/Black/Meade)

OV-103 (STS-116)/OPF-3

- SSME removals complete.
 - IPR 116V-0015 Update: Borescoping of the vent areas did not find any obstructions. Engineering evaluating additional troubleshooting. ERB scheduled for tomorrow.
 - V1181 FRCS functional – COOS picked up IPR-0019 for a leak noticed on Ground Half Coupling 111 while working Operation 140. QD filter R&R was completed last evening and V1181 continued operations.
 - APU-1 fuel tank pressure decay per IPR-0003 – APU TVC's are still zero.
 - Right Hand Wing Thermography complete. Right Tee Seal #10 will be re-repaired locally (was previously repaired). Thermography inspections continue.
 - CM-389 Midbody Bay 10 Keel Camera removed.
 - IPR-0020 taken by INS during data review. ME-2 G6 Flange Measurement E41D2614A was erratic during ascent. Constraint is V63-50011 step 40-1.
 - Boom removal scheduled for Friday, pre-ops working Thursday.
 - Hyper Deservice/APU Catch Bottle Drain scheduled for the Weekend.
- (Ross/Woodward/Black/Meade/Mendoza)

OV-105 (STS-118)/OPF-2

- ARPCS Functional Testing continues throughout this week.
- Window #4 fastener mod continues.
- Fuel cell waterline leak checks continue today.



NASA OPS DAILY ISSUES REPORT

07/27/06

NASA Test Director: 321-861-6831 Published: 0600

- COFC picked up IPR-0119 Orbiter RGA # 3 Displays Rate Data On All 3 Axis When Powered Down. Powered up the RGA yesterday and performed a torque test to evaluate the health of the RGA. Engineering performing Data Review. More to follow.
- RMS MPM rigging and alignment continues today. Quiet vehicle required until 0800 hrs for Optics.
- PRSD O2 Tank #5 installation completed yesterday.
- Hydraulic Operations worked yesterday in support of PR HYD-0644 and Flight Controls (Brake Balancing and Elevon/Bodyflap calibration). Brake balancing continues today.
- Ku-band receiver retest completed Operation 170 yesterday, will pick up with Operation 180 today.
- Star tracker door installation worked yesterday with Functional test scheduled for Friday.
- CDR and PLT seat installation scheduled for Friday, pre-ops working today.
(Ross/Woodward/Black/Meade)

ET/SRB PROCESSING (VAB)

- STS-115 (ET-118/RSRM 94/BI-127) B5304.030 - HDP Firing Line Checks will be in work today as access permits. Vibration Tests Set-up: PIC Board installation was completed last night. Cable installation/routing will be continuing today. SRB Assessment/Readiness Walkdown was completed yesterday down to the D2 (Strut areas). PIC Board installations to provide access to the Struts was completed last night. Strut area inspections will be in work today. 13 Items have been annotated on the "Punch-list", thus far. No significant items have been noted. Punch-List items are continuing to be worked today. FWD Jack Pad Closeout will be continuing today. Conothane application was completed last night. PDL application, Trim & Sell will be in work today. ET-118 Standalone Processing Flow: PR ET-118 I/T Foam Stringer Foam Damage: Conothane and PDL foam application was completed yesterday. Trim & Sell will be in work today. PR ET-118 SLA Crack on Fairing Support: Hand-Pack Ablator application was completed yesterday. Trim & Sell will be in work today. ET GUCP Guide Pin Removal & Fitting Installations were completed yesterday. Task is complete.(Worthy)

RPSF

- (STS-116) Segments Processing: RSRM 95 LAB Processing: Stiffener Ring Installation will be continuing today. Exit Cone Backfill was completed yesterday. Aft Skirt Receiving Inspection. RH Exit Cone inspection will be in work today. Aft Skirt Joint Closeout and Floor Plate Installation. RT-455 application will be in work today. ETA Ring Installation - Foam Application was completed yesterday. Cure is 24 hrs. Trim will be in work today. RSRM 95 RAB Processing: Aft Skirt Joint Closeout and Floor Plate Installation: RT-455 application will be in work today. Remaining RSRM 95 Delivery is scheduled for this weekend. (Worthy)

PAD B

- LOX Tank Replenish: 4 waves are planned for today.
- LH2 Tank Replenish: 2 waves are planned for tomorrow.
(Ross/Woodward/Black/Meade)

Smith, Martha L. (JSC-CA)

From: Oefelein, William A. (JSC-CB)
Sent: Thursday, August 03, 2006 4:28 PM
To: Nowak, Lisa M. (JSC-CB)
Subject: FW: STS 116 Final; Week of 7 August

Attachments: 7AugFinal.pdf

From: Williamson, Dale F. (JSC-DT3)[USA]

Sent: Thursday, August 03, 2006 3:42 PM

To: Goldenthal, Aaron (JSC-DX2); Flagan, Adam G. (JSC-DX3)[USA]; Foerster, Alicia (JSC-SA2)[LM]; Burge, Allen J. (JSC-DT3)[USA]; Vande Zande, Amy I. (JSC-DX2)[USA]; Clem, Andrew L. (JSC-DX2)[USA]; Ceccacci, Anthony J. (JSC-DA8); Ceccacci, Anthony J. (JSC-DA8); Beth Griggs; Crisp, Brian (JSC-DT)[USA]; Sugar, Carla K. (JSC-DT35)[USA]; Catherine Hughes; Hall, Charis (JSC-DX2)[USA]; Provencher, Chris (JSC-DT2)[USA]; Stewart, Christine E. (JSC-NT)[SAIC]; Gerty, Christopher E. (JSC-DX3); Hansen, Christy (JSC-DX3)[USA]; Anderson, Clayton C. (JSC-CB); Twine, Corey (JSC-SD)[WLS]; Walton, Craig L. (JSC-DX3)[USA]; Dale; Beaver, David L. (JSC-DX3)[USA]; Stanley, David (JSC-SA)[WLS]; Vincent, Dennis M. (JSC-DT3)[USA]; Wright, Dwight D. (JSC-DT6)[USA]; Anderson, E R. (JSC-DT35)[USA]; Tom, Edward (JSC-DX3)[USA]; Stevenson, Erlinda L. (JSC-CB)[USA]; Ford, Gary R. (JSC-DO541)[USA]; Kilgo, Gary W. (JSC-DX3)[USA]; Frere, Gayle (JSC-AP)[TES]; Ater, Hannah E. (JSC-DX3)[USA]; Better, Howard S. (JSC-SD)[WLS]; Hinke, Jaime G. (JSC-DX2)[BAR]; Branson, James A. (JSC-CA4)[USA]; Tinch, James D. (JSC-CB)[USA]; Wiggs, James H. (JSC-DA8)[USA]; Lindo, Jasmin G. (JSC-DX2)[USA]; Wall, Jean K. (JSC-DT12); Tuxhorn, Jeffrey E. (JSC-DT35)[USA]; Owen, Jeremy R. (JSC-DO52)[USA]; Ross, Jerry L. (JSC-CB); Rye, Jessica F. (KSC); Curry, John M. (JSC-DA8); Kennard, John E. (JSC-DT)[USA]; Raines, John E. (JSC-XA)[HS]; Leal, Jose G. (JSC-DX3)[USA]; Schmid, Josef F. (JSC-SD2); Dervay, Joseph P. (JSC-SD2); Magram, Karen C. (JSC-CB)[RCJV]; Svetaka, Karen A. (JSC-AP)[TES]; Spicer, Kathryn (JSC-SK)[MEI]; Regula, Kevin P. (JSC-CA)[USA]; Costello, Kirt (JSC-DT5); Miller, Ladonna J. (JSC-MO); Lucier, Laura (JSC-DX2)[CSA]; Coggins, Lee (JSC-DT3)[USA]; Hammond, Leslie (JSC-DX2)[USA]; Langston, Linda S. (JSC-DA6)[USA]; Toole, Linda J. (JSC-DX2)[USA]; Martignetti, Lisa (JSC-DT3)[USA]; Yost, Mark J. (JSC-DX3)[USA]; Osborn, Marlene (JSC-SD)[WLS]; Erne, Martin F. (JSC-DO45)[USA]; Pepper, Matthew E. (JSC-DX2)[USA]; Melissa Preble; Bloomfield, Michael J. (JSC-CB); Massimino, Michael J. (JSC-CB); Lucas, Michelle L. (JSC-DT2)[BAR]; Sequeira, Miguel A. (JSC-DT3)[USA]; Ishmael, Mohamed I. (JSC-DT)[USA]; Meinhardt, Nancy J. (JSC-DX3)[USA]; Deemer, Nathan R. (JSC-DX2)[USA]; Ivanov, Nikolay (JSC-DT2)[USA]; Chiarenza, Orazio (JSC-DT13)[ESA]; Adams, Pamela J. (KSC); Reichert, Paul A. (JSC-DX3)[USA]; Uranga, Paul (JSC-DT3)[USA]; Williamson, Paul (JSC-DX2); Mosis, Paula (JSC-DT3)[USA]; Grounds, Phyllis F. (JSC-MO3); Howard, Ralph E. (JSC-OZ)[TBE]; Ross, Renee (JSC-DO354)[USA]; Canter, Richard F. (JSC-IS4)[IDI]; Smith, Richard W. (JSC-DT)[USA]; Robert Miley; Tomaro, Robert H. (JSC-DX3)[USA]; Rusty Steward; Segadi, Scott (JSC-DT4)[USA]; Wenger, Scott (JSC-DX2); Gumm, Shannon J. (JSC-DX14)[RAY]; Castle, Sharon B. (JSC-OC); Whelan, Sheila M. (JSC-SK)[WLS]; Irwin, Sheralyn A. (JSC-SK)[WLS]; Gaylor, Stephen G. (JSC-MO3); Hart, Stephen F. (JSC-SD2); Riley, Steven J. (JSC-DX2); Munson, Stratton (JSC-DT4)[USA]; Dalmeida, Sue (JSC-EB)[LM]; Williams, Sunita L. (JSC-CB); Susan; Smith, Terry (JSC-CB)[RCJV]; Hanson, Thomas I. (JSC-DT3)[BAR]; Creekmore, Tiffany (JSC-DF51)[RCJV]; Creamer, Timothy J. (JSC-CB); Mack, Tricia K. (JSC-DX3); Kost, Valerie J. (JSC-DT2); Leinmiller, Valori J. (JSC-DT4); Renfrew, Vanessa (JSC-DX3)[USA]; Smith, Yolanda E. (JSC-DX2)[USA]; Drewry, Zachary B. (JSC-DX2)[USA]; Valentine, Andre (JSC-AP)[TES]; Ahearn, Betsy L. (JSC-CA)[USA]; Coleman, Catherine G. (JSC-CB); Christina Lee; Chiodo, Christine A. (JSC-DT5); Anderson, Clayton C. (JSC-CB); Bell, Ernest R. (JSC-DX3)[USA]; Humble, Gregory D. (JSC-DO55)[USA]; Branson, James A. (JSC-CA4)[USA]; Gaustad, James I. (JSC-DT3)[USA]; Curry, John M. (JSC-DA8); Zeh, John G. (JSC-DT3)[USA]; JSC-DL-Shuttle-Crew-Schedule; JSC-DL-Station-Crew-Schedule; Brown, Kathy H. (MSFC-NAS802060)[TBE]; Boyer, Melissa L. (JSC-DT3)[USA]; Menard, Michael J. (JSC-CB)[USA]; Prange, Michael T. (JSC-CA4)[USA]; Graubard, Robert E. (JSC-DT3)[USA]; Williams, Sunita L. (JSC-CB); Carmona, Yvette (JSC-MO2)[USA]; Fuglesang, Christer (JSC-CB)[ESA]; Higginbotham, Joan E. (JSC-CB); Polansky, Mark L. (JSC-CB); Patrick, Nicholas J. (JSC-CB); Curbeam, Robert L. (JSC-CB); Oefelein, William A. (JSC-CB)

Subject: STS 116 Final; Week of 7 August



7AugFinal.pdf (14
KB)

Please forward questions or comments to:

Dale Williamson
Training Manager, STS-116
Training Ops and Planning
281-244-8435

STS-116 Crew Activity Schedule

DATE: 03-AUG-06 Dale Williamson, Training Manager
 PREPARED BY: Phone: 281-244-8435
 07 AUG 06 - 11 AUG 06 STS-116

L-18 FOR 12/14/06 LAUNCH DATE

TIME: 15:38:47
FINAL
 Strength Specialist - Corey Twine
 Phone: 281-244-2310

Day	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
08/07	PO	Dental	Capcom Input 4s/600f	ADMIN	CABLE ROUTE 4s/1717	VR LAB EVA TPS WLE INSPECT 31016	PDRS LSN 4s/1717 Mfg 4s/6600	STS 116/121 Mfg 4s/6600											
	Of	Note 2	DSTI: PDRS PFF- Self Study	ADMIN															
	Cr																		
	Pk	Note 2																	
	Fg																		
	Hg																		
	W																		
08/08	PO																		
	Of																		
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	Of	Note 2																	
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	Pk	Note 2																	
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08/10	PO																		
	Of																		
	Cr																		
	Pk																		
	Fg																		
	Hg																		
	W																		
08/11	PO																		
	Of	Note 2																	
	Cr																		
	Pk	Note 2																	
	Fg																		
	Hg																		
	W																		

Note 2: Of, Pk, SDBI 1493 Latent Virus:
 Collect Saliva samples immediately after sleep,
 before eating, drinking, or brushing teeth.
 Deliver samples to collection box in crew office

STS 121 PGSC Dbf 14:00~15:00

STS 115 TCDT 8/08-10
 GYM TIME

Flange 20:45-22:45
 Subbed

Note 1: Hg, 12 hour fasting required, bring running shoes for treadmill.

GYM TIME

ADMIN

ADMIN

ADMIN

ADMIN

Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Sunday, August 06, 2006 7:27 PM
To: Oefelein, William A. (JSC-CB)
Subject: FW: REV 1: STS-121 SCHEDULE FOR WEEK OF 8/7/06
Attachments: STS121_080706_REV1.pdf

From: Simpson, Alicia A. (JSC-DT3)[USA]
Sent: Fri 8/4/2006 2:54 PM
To: Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Fossum, Michael E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Sellers, Piers J. (JSC-CB); Wilson, Stephanie D. (JSC-CB)
Cc: Twine, Corey (JSC-SD)[WLS]
Subject: REV 1: STS-121 SCHEDULE FOR WEEK OF 8/7/06

Changes are noted with a "1".
<<STS121_080706_REV1.pdf>>

Alicia Simpson
Training Manager STS-121
JSC/4S Rm 2210;DT32
☎ 281/244-7268
Pager:713/764-5314
[✉mailto:alicia.a.simpson@nasa.gov](mailto:alicia.a.simpson@nasa.gov)

DATE: 04-AUG-06

STS-121 Crew Activity Schedule

TIME: 14:52:50

PREPARED BY: Alicia Simpson: 281-244-7268
Office: 4S/2210 Pager: 713-764-5314

07 AUG 06 - 11 AUG 06

STS-121

R+3 WEEK (LANDING 7/17/06)

REVISION 1/NP

Day	Time	Activity	Location	Notes
08/07	08:00 - 08:30	FLY DIR DEBRIEF	4N/3025	
	08:30 - 09:00	FLIGHT IMAGERY RVW		
08/08	08:00 - 08:30	138 PLT INSTR PRECK T/O	0830 EFD	
	08:30 - 09:00	FLIGHT IMAGERY RVW		
08/09	08:00 - 08:30	PGSS ISS SAFETY RVW	DEBRIEF PANEL 4S/6600	
	08:30 - 09:00	RNDZ/DOCK	DBRF 4S/6600	
08/10	08:00 - 08:30	138 PLT INSTR CK T/O	0830 EFD	
	08:30 - 09:00	FLIGHT IMAGERY RVW		
08/11	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/12	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/13	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/14	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/15	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/16	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/17	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/18	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/19	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/20	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/21	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/22	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/23	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/24	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	
08/25	08:00 - 08:30	REHAB/GYM		
	08:30 - 09:00	3-DOF EVAL BLDG.9	3-DOF	

NOTE 1: (FS) RADIO INTERVIEWS 930, 97.1 & K-HITS @ STATION. DIRECTIONS FROM ISC: 45 NORTH TO 610 WEST, EXIT ONTO WESTHEIMER AND TURN LEFT. GO TO POST OAK BLVD AND TURN RIGHT. THE ADDRESS IS 1990 POST OAK BLVD. (BLACK GLASSED STEWART BUILDING ON THE LEFT. THE STATION IS LOCATED IN THE MIDDLE BUILDING).

A-(S)PHONE INTERVIEW GABRIEL SHEPARD OF "KENT & SUSSEX COURIER" IN YOUR OFFICE. AWAITING CONFIRMATION.

C-(S)PHONE INTERVIEW "GUARDIAN NEWSPAPER" AT YOUR DESK.

B-(W)PASSPORT PHOTO INTERNATIONAL TRAVEL OFFICE 45/616 ROSE GARDNER.

F-(S)PHONE INTERVIEW W/ GREENOCK TELEGRAPH SCOTLAND RE: COMMONS SILK AT YOUR DESK.

G-(S)PHONE INTERVIEW SEED MAGAZINE AT YOUR DESK.

H-(Km, Fs, S)EVA DBRF W/STS-117 4S/6427

D-(S)FS) DEMO FOR BLUE PETER 9/YR LAB

E-(L-d) MEETING W/JENNY YOUNG 4S/6429

MACH 18-15 4N/3002

MCC PLAQUE HANGING 30/MCC

DBRF W/STS-116 4S/6600

FCBO DEBRIEF 4S/6600

ROBO DEBRIEF 4S/6600

ACF G B

NOTE 1

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Smith, Martha L. (JSC-CA)

From: Nowak, Lisa M. (JSC-CB)
Sent: Monday, August 07, 2006 11:19 AM
To: Oefelein, William A. (JSC-CB)
Subject: FW: Coming to an Av Week near you Monday
Attachments: AW_08_07_2006_6XCover.jpg; AW_08_07_2006_p62-64.pdf

From: Sellers, Piers J. (JSC-CB)
Sent: Sunday, August 06, 2006 1:14 PM
To: Gonzalez-Torres, Tomas L. (JSC-DX3); Shook, Karina B. (JSC-DX3); Schneider, Gail A. (JSC-DX3); Lindsey, Steven W. (JSC-CB); Kelly, Mark E. (JSC-CB); Nowak, Lisa M. (JSC-CB); Wilson, Stephanie D. (JSC-CB)
Subject: FW: Coming to an Av Week near you Monday

...yay!

From: Peterson, Douglas D. (JSC-CB)
Sent: Friday, August 04, 2006 3:55 PM
To: Sellers, Piers J. (JSC-CB); Fossum, Michael E. (JSC-CB)
Subject: FW: Coming to an Av Week near you Monday

Pretty cool, next week!!!

From: Navias, Rob (JSC-AP141)
Sent: Friday, August 04, 2006 11:05 AM
To: JSC-DL-AP131
Subject: FW: Coming to an Av Week near you Monday

Good story from Covault.....

From: Covault, Craig [mailto:covault@aviationweek.com]
Sent: Friday, August 04, 2006 11:00 AM
To: Navias, Rob (JSC-AP141)
Subject: Coming to an Av Week near you Monday

Rob:

You are free to send these to whoever you like. (two PDFs attached)

Craig
321-433-9933