

MSG 100A - RED FD08 MISSION SUMMARY

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2 While the red crew slept (if they weren't looking out the window all night), we used Willie like
3 a human ping pong ball. After more manual water flow valve positionings than we could
4 count, we think Spacehab is in good shape. KC, Mike and Dave did a great job getting back
5 on track with SOFBALL and the timelined ARMS activities. The folks on the ground really
6 appreciate the recognition you have given them. Thanks, and keep up the great work!

7
8 From Goddard:
9 Good Morning Red Team! While you were sleeping we sent you some student visitors from
10 Patterson High School, Baltimore and Nantucket Elementary School Nantucket,
11 Massachusetts via LPT. Hope the kids didn't make too much noise. They really
12 appreciated the chance and come take a ride with you.

13
14 The ISS will fly by the Orbiter on several Orbits this Crew day. Assessing attitude and
15 lighting, one pass will be visible to the Crew. It will be at TCA of 6/22:22 with a minimum
16 range of 75 nm. For this pass the Orbiter will be in a favorable -XLV attitude. General
17 viewing directions:

18
19 Time Comments
20 22:22 ISS will appear due to its sunrise. Best chance to see it will be out the PLT
21 windows (W4, W5). It will be moving very rapidly toward the overhead windows.
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23 22:23:30 ISS will be slowing down and moving toward the southern cross (Nav Star 17)
24 in overhead windows.
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26 22:28 ISS horizon set still in overhead windows.

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29 YOUR CURRENT ORBIT IS: 154 X 142 NM

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31 NOTAMS:

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33 EDWARDS (EDW) – LAKEBEDS RED/STANDING WATER
34 WHITE SANDS (NOR) – GREEN
35 KING KHALID (KKI) – 15R/33L CLOSED
36 NASSAU INTL (YNN) – RWY32 DISP THRESHOLD 3000 FT
37 BEN GUERIR (BEN) – NOT RECOMMENDED
38 BANJUL (BYD) – NOT RECOMMENDED
39 MONROVIA (LRB) - NOT RECOMMENDED
40 TAMANRASSETT (ATT) - NOT RECOMMENDED
41 SOUDA (GSA) – NOT SUPPORTING
42 DYESS (DYS) – NOT USABLE

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44 NEXT 2 PLS OPPORTUNITIES:

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46 EDW04 ORB 114 07/02:29
47 EDW04 ORB 130 08/02:29

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1 OMS TANK FAIL CAPABILITY:

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3 L OMS FAILS: YES (SHALLOW TARGETS)

4 R OMS FAILS: YES (SHALLOW TARGETS)

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6 LEAKING OMS PRPLT BURN:

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8 L OMS LEAK: BURN OUT-OF-PLANE AN + 84 <= TIG <= AN + 50

9 R OMS LEAK: BURN OUT-OF-PLANE AN + 5 <= TIG <= AN + 43

10

11 OMS QUANTITIES(%)

12

13 L OMS OX = 34.1 R OMS OX = 34.2

14 FU = 33.8 FU = 33.8

15

16 SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

17

18 DELTA V AVAILABLE:

19

20 OMS 297 FPS

21 ARCS (TOTAL ABOVE QTY1) 32 FPS

22

23 TOTAL IN THE AFT 329 FPS

24

25 ARCS (TOTAL ABOVE QTY2) 61 FPS

26 FRCS (ABOVE QTY 1) 38 FPS

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28 AFT QTY 1 86 %

29 AFT QTY 2 48 %

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<u>SYSTEM #</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
P/L	MPFE experienced a motor time out jam on card tray 6	Potential for jams on other trays	Procedure update to transfer samples to the flight checkout tray during card tray analysis

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