

**MSG 217 - RED FD15 MISSION SUMMARY**

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
32  
33  
34  
35  
36  
37  
38  
39  
40  
41  
42  
43  
44  
45  
46  
47  
48

Good mornin' Red!  
The day for the Spacehab Water IFM has finally arrived! Let KC and Rick rejoice! For today, we deleted the SIMPLEX OMS burn, and the Landing – 1 Day Comm Checks have been moved to Red FD16.

The folks back at the FREESTAR POCC report that the payload investigators are all up to their eyeballs with data and pictures and graphs. This is a good thing, and seems to have a strange calming effect on them.

The BIOPACK Team and all the PI's would like to thank Laurel, KC and Willie for their motivation to revive BIOPACK and congratulations for the excellent work.

YOUR CURRENT ORBIT IS: 151 X 140 NM

NOTAMS:

- EDWARDS (EDW) – LAKEBEDS RED/STANDING WATER
- WHITE SANDS (NOR) – GREEN
- KING KHALID (KKI) – 15R/33L CLOSED
- NASSAU INTL (YNN) – RWY32 DISP THRESHOLD 3000 FT
- LAJES (LAJ) - 15/33 LAST 2K OF ACTIVE RWY CLSD 0800-1900Z
- BEN GUERIR (BEN) – NOT RECOMMENDED
- BANJUL (BYD) – NOT RECOMMENDED
- MONROVIA (LRB) - NOT RECOMMENDED
- TAMANRASSETT (AAT) - NOT RECOMMENDED
- SOUDA (GSA) – NOT SUPPORTING
- DYESS (DYS) – NOT USABLE
- ORLANDO (MCO) - 18R/36L CLSD 1230-1430Z DAILY UNTIL 31 JAN 1430Z

NEXT 2 PLS OPPORTUNITIES:

- EDW04 ORB 224 13/23:10
- EDW04 ORB 240 14/23:08

OMS TANK FAIL CAPABILITY:

- L OMS FAILS: NO
- R OMS FAILS: NO

LEAKING OMS PRPLT BURN:

- L OMS LEAK: ALWAYS BURN RETROGRADE
- R OMS LEAK: ALWAYS BURN RETROGRADE

**MSG 217 - RED FD15 MISSION SUMMARY**

1 OMS QUANTITIES(%)

2

3 L OMS OX = 34.1 R OMS OX = 34.2

4 FU = 33.8 FU = 33.8

5

6 SUBTRACT I'CNCT COUNTER FOR CURRENT OMS QUANTITIES

7

8 DELTA V AVAILABLE:

9

10 OMS 282 FPS

11 ARCS (TOTAL ABOVE QTY1) 21 FPS

12

13 TOTAL IN THE AFT 303 FPS

14

15 ARCS (TOTAL ABOVE QTY2) 51 FPS

16 FRCS (ABOVE QTY 1) 30 FPS

17

18 AFT QTY 1 82 %

19 AFT QTY 2 45 %

20

21

22

23

24 FIW SUMMARY

25

| <u>SYSTEM</u>           | <u>FAILURE</u>   | <u>IMPACT</u>  | <u>WORK AROUND</u> |
|-------------------------|--|--|--------------------|
| MEIDEX canister window. | Downlinked images from the Sekai camera indicate the presence of contamination on the MEIDEX window. The contamination is observable during daylight/dark transitions. | No direct impact to the quality of the science being obtained. | None               |

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42