

MSG 007 - RED FD02 PAYLOAD SUMMARY

1 FREESTAR

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3 The FREESTAR Bridge was activated successfully at 00/03:00 and all experiments are
4 currently performing well. The MEIDEX experiment is showing good communication and
5 telemetry. MEIDEX canister evacuation was completed successfully. SOLCON has
6 completed their first solar observation, with the best sun pointing they've seen on any of
7 their flights. The data looks great! SOLSE is operating beautifully thanks to your PGSC
8 setup and activation efforts. Tomorrow's nadir view will have a coincident observation with
9 Hilo, Hawaii. Hilo is our most equipped ground site, which includes a lidar balloon launch.
10 CVX-2 has been working nominally. The instrument is cooling the xenon sample to Tc + 1
11 K, to begin the calibration. A preliminary analysis of the flight data compares favorably with
12 ground based data. This was a highly successful first flight day for the LPT CANDOS
13 experiment. All scheduled goals for the day were reached. Just a few of the significant
14 milestones reached: Several Ground Network (GN) and TDRSS comm events, including the
15 first successful TDRSS forward link from a Ground Station, and the first time mobile IP has
16 been used on orbit.

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22 SPACEHAB

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24 SPACEHAB activation has been successfully completed, and all subsystems are operating
25 nominally. We are currently troubleshooting a KU2 data anomaly, but have implemented an
26 interim workaround that is allowing payload operations to proceed as scheduled.

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28 SPACEHAB payloads are all performing well, and payload activities are generally on
29 schedule per the timeline.

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31 Specific payload highlights so far include:

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33 ARMS setup and REB1A runs for PS1 and MS4 have been completed. A minor problem
34 was experienced with step 2 of the ARMS MGA calibration during the PS1 REB1A run, but
35 at this time we do not believe that there will be any impact to ARMS operations as a result.

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37 Numerous payload activations were accomplished on FD01, and the SPACEHAB team
38 would like to extend our thanks to the crew for their outstanding effort in getting things off to
39 a great start!

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