

MSG 034A - RED FD04 PAYLOAD SUMMARY

1 FREESTAR

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3 The MEIDEX observations on FD03 went very well. Some problems were experienced
4 commanding the canister VCR's from the ground for the first observation (orbit 28), but no
5 problems were seen on subsequent orbits. SOLCON is waiting patiently for the solar
6 observation at 03/11:45. The instrument is functioning perfectly. Initial analysis of SOLSE
7 Earth calibration shows the instrument is functioning properly. SOLSE eagerly awaits the
8 limb calibration today. CVX-2 completed the soak at Tc + 0.1 K, and has begun the ramp
9 for the first critical period. Today was a relatively quiet day for LPT with only 2 Dryden
10 events. The first was an uplink-only contact and the second was two-way. Both LPT events
11 were successful.

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14 SPACEHAB

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16 ARMS – The IFM to ensure full release of the analyzer platform from it's locked position was
17 performed successfully thereby curing the high noise on the gas signals. Crew to be
18 congratulated. Initial ARMS flight objectives indicated unusually high level of noise on some
19 of the gas signals. Symptoms replicated at ground unit in building 266 indicated problem
20 due to incomplete release of analyzer platform subsequent to release of launch tie-down
21 screws. Problem has been overcome and data is now exactly as expected.

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23 ERISTO – Feed 2 performed on schedule.

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25 BIOPACK – Incubator temperature being monitored carefully as some indication of a
26 temperature rise noted. Command sent to lower the temperature and trend is now
27 downwards toward nominal.

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29 MGM – We appreciate the good work in the setup and conducting of test number 2 of the
30 MGM. Many thanks to K.C. for getting the run accomplished.

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32 AST – We received more than expected of video today. The plants look healthy, their
33 growth is progressing and our data looks good.

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35 PHAB-4 – PI's would like to thank everyone for doing an outstanding job and for their
36 persistence in getting all our samples. Thank you for 'sticking' with it. We really do
37 appreciate it!

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39 MSTRS – Still working air inlet temperature issues.

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