

MSG 244A - BLUE FD17 MISSION SUMMARY

1 Good morning to the Blue Team, and howdy to the Red Team. This is our last execute package and
2 our first joint one for the entire crew. So far the forecast is looking very promising for a landing today.
3 Good luck getting everything stuffed back in the lockers as you finish cabin stow. It's a busy day with
4 all the entry prep. The Sunday Funnies and waveoff timelines have been uplinked and are available
5 on the homepage to be printed out at your discretion. All of the mission control teams want to pass
6 along they have enjoyed working with you and appreciate your patience, professionalism and
7 dedication.

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9 You'll notice yet another LiOH cue card message...it took us an extra try to get it right.
10 A Cryo Manifold Valve test has been added which begins at about 15/10, followed by the Ku antenna
11 stow. Preflight there was an onboard fuel cell purge at about 15/14. We'll be doing this from the
12 ground.

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14 Earlier during the Red Shift we uplinked MSG 240B PAYLOAD ENTRY SW LIST/VERIF DELTAS.
15 For clarification, this list replaces the onboard PAYLOAD ENTRY SW LIST in the PL OPS C/L.

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17 The SPACEHAB team has mixed feelings as we prepare the final execute package. We are very
18 happy with how this flight has gone and are extremely thankful for all your efforts. On the other hand,
19 we are sad that the STS-107 journey is coming to an end. Your efforts on behalf of the SPACEHAB
20 payloads have been "Priceless" and we are eternally grateful to you for making this flight a success!

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22 The BIOTUBE team is elated with the results of their experiment and appreciates your efforts. The
23 growth rate and curvature of the flax roots are markedly different than any data they have seen in 1g.
24 The video analysis sessions and Mike's fixation updates proved critical to the success of this payload.

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26 The BRIC payload and PI team would like to thank you for the complete operational success of the
27 BRIC payload. This was the most operationally and scientifically complex BRIC payload ever
28 attempted. Fifteen time critical operations were performed flawlessly! The team anticipates excellent
29 science results will be obtained post flight.

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31 The CM-2 MIST team would like to send their most heartfelt thanks for making MIST an extremely
32 successful experiment. They were able to observe the effect of a perfectly distributed and quiescent
33 mist cloud on the propagation of flames. They finished up with an exquisite extinction of a flame and
34 with indescribable excitement by everybody on the ground. But most important of all, they all take
35 home a deep appreciation of the tremendous human effort required for space experimentation and
36 exploration. They are eagerly awaiting your return to Earth...thanks Columbia!

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38 SOLCON, MEIDEX and SOLSE have closed their covers and doors and are buttoned up to come
39 home. LPT has turned off their transmitter for the final time. Only CVX continues secondary
40 operations up until the bittersweet end. It has been a long, long road and there are mixed feelings of
41 elation, relief and sadness that the time has come to go home. The FREESTAR POCC is quiet for
42 the first time all mission (many folks are out buying the champagne and Kosher goodies to
43 celebrate). The first toast will surely go to the entire crew for making this flight such a monumental
44 success!

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<u>SYSTEM</u>	<u>FAILURE</u>	<u>IMPACT</u>	<u>WORK AROUND</u>
EPS	FCMS system is suspect.	FCMS is unreliable and may not be available for FC troubleshooting.	No other nominal FCMS data takes will be planned for this flight. If FC troubleshooting requires an FCMS data take, it will be re-attempted.

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