

STS-109 POST LAUNCH FILM REVIEW
KSC Photo/Video Analysis Team
4 March 2002

SIGNIFICANT ANOMALIES

None.

MINOR ANOMALIES

None.

FUNNIES

None.

OBSERVATIONS

No stud hang up were observed on any of the SRB hold-down posts.

One small particle fell from each of HDP #2 and #4 DCS/stud hole. (E-8, E-12)

SRB holddown post shoe rocked slightly on HDP's #1, #2, and #6. (E-8, E-9, E-13)

GH2 vent line retraction appeared normal. No rebound observed from the pivot arm assembly. (E-41, E-42, E-61)

No OMS pod flexing observed. (E-17, E-18)

Deluge water pipe leaking near HDP 8. (E-16)

GSE Tile shim material shaken loose by SSME ignition acoustics/vibration from the base heat shield near SSME #1. GMT 11:21:59.349 (E-20)

Tile surface coating material was lost from aft face of LH OMS RCS stinger and several from base heat shield. This is a common occurrence due to SSME ignition acoustics.

Free-burning GH2 blown toward vertical stabilizer during SSME ignition.

Several ice particles fell from ET/ORB umbilicals during SSME ignition.

Vapors on ET aft dome and SRB stiffener rings were observed after T-0.

Ice particles fell from LH2 / LO2 TSM T-0 disconnects.

SRB throat plug material ejected from exhaust hole. No contact with vehicle.

Umbilical purge barrier baggie material fell shortly after T-0. (E-6, E-62)

NOTES

All film items, except for E-204, have been reviewed. E-204 will be reviewed upon its arrival.

No anomalies were observed in the films and videos that would be a concern for re-entry and landing.

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