

STS-105 LAUNCH DAY VIDEO REVIEW
KSC Photo/Video Analysis Team
10 August 2001

Significant Anomalies

None

Minor Anomalies

None.

Funnies

None.

Observations

Free burning hydrogen was visible near the vertical stabilizer (OTV 070).

Numerous pieces of ice from the ET/ORB umbilical shook loose and contacted umbilical sill tiles, but no damage was detected (OTV 009, 063, 054, 061).

LH2 and LO2 T-0 umbilical disconnect was normal (OTV 049, 050).

Debris particle (probably ice from forward LO2 feedline bellows) was seen falling outboard of ET vertical strut near the ET/ORB interface shortly after SRB ignition. No contact with vehicle observed (OTV 009).

Two pieces of ice from forward LO2 feedline bellows observed falling between ET and Orbiter. One piece appears to contact orbiter lower surface (OTV 061).

Frost was visible around -Y and +Y ET GOX vent louver (OTV 060, 061).

Pieces of aft skirt instafoam fell out of the SRB plume during flight (TV-4, TV-13).

Localized flow condensation visible during ascent.

Tile surface coating material appeared to be missing from aft side of RH RCS stinger (OTV 051).

Notes

A total of 19 videos were made available for review.

Review of long range tracking films is scheduled to begin Saturday, August 11, 2001.

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