

**STS-107 LAUNCH DAY VIDEO REVIEW**  
**NASA-KSC Ice/Debris Team**  
**16 January 2003**

**Significant Anomalies**

None

**Minor Anomalies**

None.

**Funnies**

None.

**Observations**

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

Several pieces of purge umbilical purge barrier fell during SSME ignition. (OTV 009, 054, 063)

Free burning hydrogen was observed under the body flap. (OTV 063)

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

Frost was visible around -Y ET GOX vent louver. (OTV 061)

Pieces of aft skirt instafoam ejected out of the SRB plume during ascent (TV-4)

GH2 vent line retraction and latch appeared nominal (OTV 060)

ET aft dome charring was visible. (TV 13)

Frost on LO2 tank visible. (OTV 061, 071, TV-4, TV-7)

**Notes**

A total of 19 videos were made available for review.

Review of long range tracking films and high-speed pad cameras is scheduled to begin Friday, January 17, 2003.

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