

**STS-104 SRB POST FLIGHT/RETRIEVAL ASSESSMENT**  
**KSC Debris Team**  
**16 July 2001**

The BI-108 Solid Rocket Boosters were inspected for debris damage and debris sources at CCAFS Hangar AF on 16 July 2001. Generally, both boosters were in excellent condition.

**ANOMALIES**

None

**FUNNIES**

The LH SRB +Z RSS antenna had the aft phenolic plate and most of the ablator missing. There was no evidence of ascent heating.

**OBSERVATIONS**

The TPS on both frustums exhibited no debonds/unbonds. There was minor localized blistering of the Hypalon paint.

All eight BSM aero heat shield covers had fully opened and locked, but two RH and one LH cover attach rings had been bent at the hinge by parachute riser entanglement

The forward skirts exhibited no debonds or missing TPS. Except for the one previously mentioned, RSS antennae covers/phenolic base plates were intact, though one layer of the RH SRB +Z antenna phenolic base plate had delaminated.

The Field Joint Protection System (FJPS) and the System Tunnel Covers closeouts were generally in good condition with no unbonds observed.

Separation of the aft ET/SRB struts appeared normal.

Aft skirt external surface TPS was in good condition. Typical blistering of Hypalon paint had occurred on the BTA insulation close-outs and GEI cork runs.

The holddown post Debris Containment Systems (DCS) appeared to have functioned normally except on HDP No. 5 which was fully obstructed by the frangible nut halves. This condition most likely happened at water impact.

No indication of stud hang up was observed.

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