

2.0 PRE-LAUNCH SSV/PAD DEBRIS INSPECTION

The Debris/Ice/TPS and Photographic Analysis Team briefing for launch activities was conducted at 0900 on 21 April 2000. The following personnel participated in various team activities, assisted in the collection and evaluation of data, and contributed to reports contained in this document.

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GSE PR V070-4-21-0387 was taken by NASA Quality to inspect the left wing lower surface for possible debris impact damage. During crane lift operations, a 5/16-inch bolt sheared in half and fell.

A pre-launch debris inspection of the launch pad and Shuttle vehicle was performed on 23 April 2000. The walkdown of Pad 39A and MLP-1 included the flight elements OV-104 Atlantis (19th flight), ET-102, and BI-101 SRB's. IPR 101V-0299 was taken to document four small areas of missing topcoat near the ET nose cone with disposition for MRB use-as-is. There were no significant SSV discrepancies though six items were entered in OMI S0007, Appendix K.

- Flange nut and lock washer missing on the center-north rainbird
- Loose/raised bolts in two locations on the MLP deck
- Loose foam in SRB APU exhaust pipe cut-outs
- Sand/debris in HDP #2 and #6 haunch areas
- Rope with metal thimble wrapped around water pipe in HDP #2 haunch area
- Loose items "out-of-reach" on MLP deck

The T-8 Hour Walkdown prior to clearing the BDA verified all items had been resolved.



Photo 2: Pre-Launch Debris Inspection

Loose foam pieces in RH SRB APU exhaust pipe cut-outs and a rope with a metal thimble wrapped around the water pipe in the HDP #2 haunch area were removed prior to tanking