

FERRY READINESS



SPACE SHUTTLE PROGRAM
Space Shuttle Vehicle Engineering Office
NASA Johnson Space Center, Houston, Texas



STS-103

FLIGHT READINESS REVIEW

FERRY READINESS
MV/G. E. DAWSON
NOVEMBER 19, 1999



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Presenter **G. E. DAWSON**

Date **NOV 19, 1999**

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FERRY PLAN SUMMARY

- Readiness Review conducted 11/09/99. No issues were identified.
- Ferry Flight Readiness Review to be conducted one day prior to planned ferry date.
- Hardware Summary:
 - Orbiter: **OV-103 (Discovery)**
 - weight: **209,669 Lbs. (No Fluids Off-loaded)**
 - Center of Gravity: **Xo 1118.0 Yo 0.0 Zo 372.6**
- Shuttle Carrier Aircraft (SCA): **NASA 911**
- Tail Cone: **Number 1**



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FERRY PLAN SUMMARY - CONTINUED

Ferry Plan:

**Day 1: Edwards AFB, CA to Dyess AFB, TX
Dyess AFB, TX to Eglin AFB, FL**

**Refuel
Refuel & RON**

DAY 2: Eglin AFB, FL to KSC SLF, FL

Weather alternates and emergency landing fields selected

Pathfinder: USAF C-141

Purge (at overnight stops only)

- Purge Circuit 1 (OMS/RCS temperatures below 45° F)**



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STS-103 FERRY READINESS STATEMENT

A Ferry Planning Readiness Review was conducted in accordance with the Space Shuttle Vehicle Engineering Office flight preparation process plan contained in NSTS 08117, Requirements and Procedures for Certification of Flight Readiness. This certifies that aircraft, equipment, and ferry requirements are ready to support Orbiter ferry operations.

A handwritten signature in cursive script that reads "George E. Dawson".

G. E. Dawson

MV/Manager, Ferry Operations