

**SHUTTLE SERIES
GERMANY FILES**

As Technical Executive, Mr. Daniel M. Germany assisted Mr. Yardley, NASA Headquarters Associate Administrator for the Office of Space Transportation Systems, in solving difficulties involving the tiles on the Shuttle. This subseries consists primarily of information on these tiles which formed the Thermal Protection System (TPS) for the orbiter vehicle. The files are dated from 1979 to 1983, but the bulk of them fall between 1979 and 1980.

Inventory

SubHeading:	Box Number: 1	
	Response to Recommendations of the NASA Shuttle TPS Review Team (Ashley Team)	(1979)
	Thermal Protection System OV-099 & FRCI	January 10, 1980
	TPS Installation Correspondence & Charts	January 1980
	Orbiter 102 Vehicle Build Summary Crest Report	January 18, 1980
	Correspondence & Charts Regarding TPS Installation & Failure Probability Analysis	February 1980
	Orbiter 102 Vehicle Build Summary Crest Report	March 7, 1980
	Orbiter 102, Vehicle Build Summary Crest Report	March 14, 1980
	Kennedy Space Center STS Daily Report as of 1000	March 4-19, 1980
	Baseline Tile Installation Planning Basis as of 10/18/79	October 19, 1979
	Crest Report Week Ending 10/19/79 (Rephasing of Baseline Tile Installations and Splashes)	October 19, 1979
	Special Tile Report for AD	October 19, 1979
	Status Report on Thermal Protection System	October 23, 1979
	Orbiter Tile Installation summary (charts & graphs)	October 26, 1979
	Orbiter TPS Proof Testing (Charts)	October 30, 1979
	Action Items from the Holt Ashley Meeting/Space Shuttle TOP Problem (charts)	Nov 1, 1979 & n.d.
	Orbiter 102 Vehicle Build Summary Crest Report	November 2, 1979
	FRCI Development /Implementation Program Status	November 26, 1979
	Shuttle TPS Analysis, Preliminary Review, University of Washington College of Engineering	November 27, 1979
	Proof / Reproof Plan (TPS)	November 27, 1979
	Orbiter 102, Vehicle Build Summary Crest Report	November 30, 1979
	Status, White Tile Issue (TPS)	November 1979
	Space Shuttle Thermal Protection System (TPS) / Densification of RSI Tiles on Shuttle Orbiter & Related Charts	Oct & Nov 1979 & nd
	OSTS Management Council, Status of Plans for Closing OV-102 Open Work	December 6, 1979
	Space Shuttle Orbiter TPS Installation To Go Charts	December 1979

	Status Summary of TPS Certification Plan	1979
	Reports: ISIP Development / Proof Testing & Acoustic Monitoring of HRSI Tiles on Shuttle Orbiter / Space Shuttle Thermal Protection System (TPS) Problem	(1979)
	Thermal Protection System Fact-Finding Working Group - Holt Ashley	(1979)
SubHeading:	Box Number: 2	
	Orbiter 102 Vehicle Build Summary Crest Report	June 2, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	June 9, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	June 16, 1980
	STS Management Council	June 19, 1980
	OV-102 Tiles Status, OV-102 TPS Strength Integrity	June 1980
	Tile Installation Charts: Baseline Plan, Work to Go, Densification	June 1980
	Orbiter 102 Vehicle Build Summary Crest Report	July 21, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	August 3, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	August 11, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	August 18, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	August 25, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	September 2, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	September 8, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	September 29, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	October 6, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	November 2, 1980
	Orbiter 102 Vehicle Build Summary Crest Report	November 9, 1983
	Cost Impact of OV-104 One Year Slip / Re Baseline Proposal	(August 1981)
	Study, OV-104 Options (Schedule Delay)	November 24, 1981
	Shuttle Engineering Equivalent Personnel Charts; Memo on Tile Failures During Bond Verification; Tile Count Notes & Orbiter Turnaround Comparisons	December 1981
SubHeading:	Box Number: 3	
	Thermal Protection System Strain Isolation Pad Investigations at Lockheed Missiles and Space Company (Draft)	February 4, 1982
	STS-3 TPS Tile Assessment	March 1982
	Minutes of Status Review No. 4 for the Shuttle Launch Simplification Study	June 9, 1982
	Tile Repair Photographs (KSC Photos)	June 26, 1982
	STS-4 TPS Tile Assessment	July 2, 1982
	TPS Model Study, Special Status Reports 3 & 4 Interdisciplinary	1981, 1983

Research on the Nature and
Properties of Ceramic Materials Brittle
Materials Design Group, College of
Engineering, University of Washington

TPS Paperwork Mechanization and
Productivity Overview Study

n.d.

SubHeading:

Box Number: 3 *

Summary of STS-1 & STS-2 Concerns
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