

SPACE SHUTTLE MISSIONS SUMMARY

Revision S
May 2002
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FLT NO.	ORBITER	CREW (6)	LAUNCH SITE, LIFTOFF TIME, LANDING SITES, ABORT TIMES	LANDING SITE/ RUNWAY, CROSSRANGE LANDING TIMES FLT DURATION, WINDS	SSME-TL NOM-ABORT EMERG THROTTLE PROFILE ENG. S.N.	SRB RSRM AND ET	ORBIT		FSW	PAYLOAD WEIGHTS, PAYLOADS/ EXPERIMENTS	MISSION HIGHLIGHTS (LAUNCH SCRUBS/DELAYS, TAL WEATHER, ASCENT I-LOADS, FIRSTS, SIGNIFICANT ANOMALIES, ETC.)
		TITLE, NAMES & EVA'S					INC	HA/HP			
STS-79 Continued				Continued . . . <u>DENS ALT:</u> 1084 FT <u>FLT DURATION:</u> 10:03:18:24 <u>S/T:</u> 641:13:48:49 <u>OV-104:</u> 120:16:54:18 <u>DISTANCE:</u> 3,900,000 sm							Continued . . . <u>SIGNIFICANT ANOMALIES:</u> - RH RSRM nozzle erosion beginning in throat ring and extending aft into forward exit cone (approx 60 longitudinal erosion areas up to 0.4 inches diameter). - Supply water tank B quantity transducer dropouts. - Fuel cell O2 flow transducer degraded. - Cryo H2 tank 3 B heater failure. - Single string GPS erroneous time reference, loss of lock and runaway. (Firmware problem.) - TCS range discrepancy. - APU 2 underspeed shutdown at 13:14 MET. Two-APU entry/landing. - APU 2 fuel pump seal cavity drain line pressure decay to vacuum.