SPACE SHUTTLE MISSIONS SUMMARY

FLT NO.	ORBITER	CREW (5) TITLE, NAMES & EVA'S	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 INC	ORBIT HA/HP	FSW	PAYLOAD WEIGHTS, PAYLOADS/ EXPERIMENTS	MISSION HIGHLIGHTS (LAUNCH SCRUBS/DELAYS, TAL WEATHER, ASCENT I-LOADS, FIRSTS, SIGNIFICANT ANOMALIES, ETC.)
STS-36 (STS-36R) SEQ FLT #34 KSC-34 PAD 39A-26 MLP-1	OV-104 (Flight 6) Atlantis OMS PODS LPO1 - 12 RPO3- 11 FRC4 - 6	CDR: John O. Creighton (Flt 2 - STS 51-G) P173/R63/V50/M58 PLT: John H. Casper P174/R111/M99 M/S 1: David C. Hilmers (Flt 3 - STS 51-J & STS-26) P175/R77/V36/M71 M/S 2: Richard M. Mullane (Flt 3 - STS 41-DR & STS-27) P176/R40/V37/M39 M/S 3: Pierre J. Thuot P177/R112/M100 MCC FCR-2 (19) FLIGHT DIRECTORS: A/E - R. D. Dittemore Ld/O 1 - L. S. Bourgeois O 2 - R. M. Kelso Plng - C. R. Knarr MOD - T. W. Holloway	KSC 39A 59:07:50:22Z 2:50:22 AM EST Wednesday 4 2/28/90 (2) LANDING SITE PRIORITIES: 1. EDW LAKEBED 2. EDW CONCRETE 3. NOR 4. KSC 1. X-WIND FIRST PRIORITY 2. NWS SECOND PRIORITY RTLS: KSC 15 TAL: Zaragoza 30 (Selected) TAL WX: Moron AOA: NOR 17 MAX Q = 743.9 M = 1.49 00:53 MET SRB SEP: 2:05.8 MET MECO: 8:30 MET ET SEP: 8:48 MET OMS-1: NONE OMS-2: 32:58.1 MET 105.4 Seconds	EDW 23L, LKBD (EDW 27, LKBD 17) 63:18:08:44Z 10:08:44 AM PST Sunday 4 3/4/90 (3) DEORBIT BURN: 63:17:11:17.24Z 125.48 Seconds 256.4 FPS XRANGE: 255 NM ORB DIR: DR 5 AIM PT: CLOSEIN MLGTD: 1622 FT 63:18:08:44Z VEL: 193 KGS 199 KEAS HDOT: -1 FPS TD NORM 195: 1959 FT NLGTD: 4862 FT 63:18:09:37.32Z VEL:145 KGS HDOT: -4.4 FPS BRK INIT: 99 KGS AVE BRK DECEL: 5.5 FPS/S WHEELS STOP: 63:18:09:37.3Z 9522 FEET ROLLOUT: 7900 FEET 53 SECONDS WINDS: 15.9H, 1.6R KTS OFFICIAL: 16H, 3R DENS ALT: 3017 FT FLT DURATION: 4:10:18:22 106:18:22 S/T: 200:09:32:40 OV-104: 28:18:49:13 DISTANCE: 1,837,962 sm	104/104 109% 100/104/ 98/75/ 104/65 1 =2019 (6) 2 =2030 (4) 3 =2027 (4) M 3 EOM WEIGHT: X CG: LANDING WEIGHT: 187200 X CG: 1096.4	BI-036 RSRM 9 ET-36 LWT-26 ET RPT 228K 1:00:35 MET ET BR/UP 217K 1:00:53 MET T/V ACTIVE LAST FLIGHT ET IMPACT LAT: 61.40°S LONG: 145.1°E	62° (1)	DEORBIT 132 X 115 NM VELOCITY 25713 FPS RANGE 4338 NM	OI-8C (3)	DOD PERFORMANCE MARGINS (LBS): FPR: 4652 FUEL BIAS: 999 FINAL TDDP: 881 RECON: 930 MIDDECK RME-III VFT-I VFT-II	KSC W/D: OPF 69, VAB 6, PAD 35 = 110 LAUNCH POSTPONEMENTS: None. LAUNCH SCRUBS: - 2/22/90 launch was scrubbed while counting from T-11 hours to T-6 hours for CDR's health (48-hour slip). - 2/24/90 launch scrubbed because of predicted bad weather at KSC. - 2/25/90 launch scrubbed due to a Range Safety backup computer problem. Count held at T-31 seconds, and during hold, the LO2 inlet temps on all 3 engines exceeded LCC lower limit. Rescheduled launch for 2/26/90. - 2/26/90 launch scrubbed at T-9 minutes due to bad RTLS weather (cloudy). Rescheduled launch for 2/28/90. 48-hour delay to allow launch team rest. 6 days total slip. LAUNCH DELAYS: - Delay at T-9 minutes due to predicted rain in RTLS area. Resumed count to T-5 minutes, held for launch pad, RTLS, and TAL weather. TAL WX: - Zaragoza 30 (prime) - Some delay waiting for STA go (until STA could see landing strip). - Moron - NO GO - ceiling. I-LOADS: - LSEAT selected yaw positive, alternate I-load uplink 3. NIGHT LAUNCH: Fourth Shuttle night launch. EVENTS: - No entry blackout - comm via TDRS-W. - Last flight with ET tumble valve active. SIGNIFICANT ANOMALIES: - AC2 Phase 2 Inverter failure. - RCS valve position indications intermittent. - WSB 2 Vent System A heater failed. - CRT 4 screen went blank. - SSME post powerdown hard failure ID. - O2 leak into cabin. - FES overtemp shutdown. - Humidity separator A degraded operation (found 1 quart of water below middeck floor). - Supply H2O tank A-B check valve failure. - PLB floodlight failure (2). - SPOC H/W and S/W problems. - Volume H latch jammed. - TAGS paper folding. - WSB 2 vent temp heater A failure. - Hyd system leak into aft compartment. - R3D fail-off at ET SEP. - R4R jet fail-off during RCS hot fire.