

STS-92 Ascent Events			Spaceflight Now
EVENTS	Eastern	L-HH:MM	Pre-Launch Events
Shuttle Discovery 28th Flight	10:22:00 AM 03:22:00 PM 06:02:00 PM 06:12:00 PM	L-08:55 L-03:55 L-01:15 L-01:05	Fueling begins Crew Walkout T-20 and holding Resume countdown
Inc.: 51.6 Throttle: 104 Ha/Hp: 169X40		L-MM:SS	Terminal Countdown
Launch 07:17:00 PM	06:23:00 PM 07:08:00 PM 07:09:30 PM 07:12:00 PM	L-54:00 L-09:00 L-07:30 L-05:00	T-9 hold begins Resume countdown Orbiter access arm retraction Auxilliary power unit start
Window Open 07:12:00 PM	07:12:05 PM 07:13:05 PM 07:14:05 PM 07:14:05 PM	L-04:55 L-03:55 L-02:55 L-02:55	Liquid oxygen drainback begins Purge sequence 4 hydraulic test Oxygen tank at flight pressure Gaseous oxygen vent arm retraction
Window Close 07:21:59 PM	07:14:25 PM 07:15:03 PM 07:16:10 PM 07:16:29 PM	L-02:35 L-01:57 L-00:50 L-00:31	Fuel cells to internal Hydrogen tank at flight pressure Orbiter to internal power Shuttle computers control countdown
Duration 10 minutes	07:16:39 PM 07:16:53 PM	L-00:21 L-00:06.6	Booster steering test Main engine ignition

Abort Data	V inertial	L+MM:SS	Ascent Abort Boundaries
0:02:16 RTLS ONLY	(mph) 920 1,016 1,330 1,459 1,507 3,655 3,750 3,818	T+0:00 T+0:10 T+0:18 T+0:39 T+0:49 T+0:53 T+2:05 T+2:15 T+2:16	STS-92 liftoff! Start roll program End roll program Main engine throttle down Maximum aerodynamic pressure Main engine throttle up SRB separation Start OMS assist rocket firing Last pre-TAL RTLS
0:02:05 TAL ONLY	3,818 5,455 5,455 6,409	T+2:17 T+3:57 T+3:49 T+4:22	First two-engine TAL End OMS assist rocket firing Negative return Last pre-ATO TAL
0:04:01 ATO	6,409 9,000 9,955 12,409 13,636 17,659	T+4:23 T+5:46 T+6:09 T+6:59 T+7:20 T+8:24 T+44:00	Press to ATO Roll to heads up Press to MECO Single engine MECO 3G Limiting Main engine cutoff OMS-2 orbit circularization
STS-92 Data (as of 10/10/00)			Compiled by William Harwood