Space Shuttle Mission Checklist for Orbiter Simulator

For use with the STS-114 scenario combining the LC39-EAFB 2006.1, AutoFCS and the Shuttle Discovery V3.9 add-ons. This checklist only shows events that need user intervention. See Space Shuttle Launch Guide for timeline of all actual major events.

7/26/05 Launch Day

T-9m (UTC 14:30) Start Ground Launch Sequencer for PAD automation (Focus on FSSB) [G]
*** Select STS-114   (Focus on STS-114) [F3]***
T-4m (UTC 14:35)   Initiate SSME Purge [Ctrl X]
T-3m (UTC 14:36)   Terminate SSME Purge [Ctrl X]
T-10s (14:38:50)   Initiate Launch in GPCMFD [Enter Item 777]
T-0   (UTC 14:39)   ***Liftoff***

T+12m   (GPCMFD Mission Clock) Stow ET Umbilical Doors [Ctrl J]
T+38m   Perform OMS-2 Burn to circularize orbit, Attitude hold GPCMFD OPS2 [Shift H]
T+1h30m   Deploy Payload Bay Doors [K]
T+5h**   Rendezvous Burn ***Do small Alignment Adjustment***

7/27/05   RMS power up/checkout [Ctrl Space]
7/27/05   KU-Band antenna Deploy [Ctrl U]
7/27/05   Rendezvous Burn ***Do Small Sync Adjustment***

7/28/05   Rendezvous Burn ***As much as needed***
7/28/05   (UTC 11:18) Discovery docks with ISS [Docking MFD]

7/29/05   RMS grapples MPLM/MPLM Installation [Ctrl Space]

7/30/05   EVA-1 [E]
8/01/05   EVA-2 [E]
8/03/05   EVA-3 [E]

8/05/05   RMS grapples MPLM/MPLM Berthing Payload Bay [Ctrl Space]
8/06/05   Discovery undocks with ISS [Ctrl D]
8/07/05   KU-Band antenna Stow [Ctrl U]
8/08/05   (UTC 6:03) Close Payload Bay Doors [K]
8/09/05   (UTC 11:10) Deorbit Burn [AutoFCS]
8/09/05   (8:12 a.m. EDT) Landing Site: Edwards Air Force Base, Calif. Runway: 22