

SpaceCalc					STS-123/ISS-1J/A Countdown	
T-HH	T-MM	L-HH	L-MM	L-SS	EDT	
Sat 03/08/08						
					02:30 AM	Call to stations
43	00	70	23	00	03:00 AM	Countdown begins
33	00	60	23	00	01:00 PM	Fuel cell reactant load preps
27	20	54	43	00	06:40 PM	MEC/SRB power up
27	00	54	23	00	07:00 PM	Clear crew module
27	00	54	23	00	07:00 PM	Begin 4-hour built-in hold
27	00	53	38	00	07:45 PM	Clear blast danger area
27	00	53	38	00	07:45 PM	Orbiter pyro-initiator controller test
27	00	53	28	00	07:55 PM	SRB PIC test
27	00	52	28	00	08:55 PM	Master events controller pre-flight BITE test
27	00	50	23	00	11:00 PM	Resume countdown
Sun 03/09/08						
					12:30 AM	Fuel cell oxygen loading begins
25	30	48	53	00	02:00 AM	Switch to Eastern Daylight Time (GMT-4)
25	30	48	23	00	04:00 AM	Fuel cell oxygen load complete
23	00	46	23	00	04:00 AM	Fuel cell hydrogen loading begins
20	30	43	53	00	06:30 AM	Fuel cell hydrogen loading complete
19	30	42	53	00	07:30 AM	Pad open; ingress white room
19	00	42	23	00	08:00 AM	Begin 4-hour built-in hold
19	00	42	23	00	08:00 AM	Crew module clean and vacuum
19	00	41	53	00	08:30 AM	OMBUU demate
19	00	40	23	00	10:00 AM	Secure MLP interior
19	00	38	23	00	12:00 PM	Countdown resumes
19	00	38	23	00	12:00 PM	Main engine preps
19	00	37	53	00	12:30 PM	MECs 1 and 2 on; avionics system checkout
18	00	37	23	00	01:00 PM	Remove OMS engine covers, throat plugs
17	30	36	53	00	01:30 PM	Deflate RSS dock seals; tile inspection
17	00	36	23	00	02:00 PM	Tile inspection
12	00	32	23	00	06:00 PM	TSM prepped for fueling
11	00	30	23	00	08:00 PM	Begin 14-hour 3-minute hold
11	00	28	53	00	09:30 PM	OIS communications check
11	00	28	08	00	10:15 PM	Crew weather briefing
11	00	28	03	00	10:20 PM	JSC flight control team on station
11	00	26	53	00	11:30 PM	Comm activation
Mon 03/10/08						
					12:00 AM	Crew module voice checks
11	00	26	23	00	12:30 AM	Debris inspection
11	00	25	53	00	01:00 AM	Flight crew equipment late stow
11	00	25	23	00	05:00 AM	RSS to park position
11	00	21	23	00	06:00 AM	Final TPS, debris inspection
11	00	20	23	00	06:00 AM	Final TPS, debris inspection
11	00	19	23	00	07:00 AM	Ascent switch list
11	00	16	20	00	10:03 AM	Resume countdown
11	00	16	20	00	10:03 AM	ASP cockpit config
10	40	16	00	00	10:23 AM	Pad clear of non-essential personnel
10	40	16	00	00	10:23 AM	APU bite test
09	50	15	10	00	11:13 AM	Fuel cell activation
09	00	14	20	00	12:03 PM	Booster joint heater activation
08	30	13	50	00	12:33 PM	MEC pre-flight bite test
08	15	13	35	00	12:48 PM	Tanking weather update

07	30	12	50	00	01:33 PM	Final fueling preps; launch area clear
07	00	12	20	00	02:03 PM	Red crew assembled
06	15	11	35	00	02:48 PM	Fuel cell integrity checks complete
06	00	11	20	00	03:03 PM	Begin 2-hour built-in hold (T-minus 6 hours)
06	00	11	10	00	03:13 PM	Safe-and-arm PIC test
06	00	10	25	00	03:58 PM	Crew wakeup
06	00	10	20	00	04:03 PM	External tank ready for loading
06	00	10	05	00	04:18 PM	Mission management team tanking meeting
06	00	09	20	00	05:03 PM	Resume countdown (T-minus 6 hours)
06	00	09	20	00	05:03 PM	LO2, LH2 transfer line chilldown
05	50	09	10	00	05:13 PM	Main propulsion system chill down
05	50	09	10	00	05:13 PM	LH2 slow fill
05	20	08	40	00	05:43 PM	LO2 slow fill
05	15	08	35	00	05:48 PM	Hydrogen ECO sensors go wet
05	10	08	30	00	05:53 PM	LO2 fast fill
05	00	08	20	00	06:03 PM	LH2 fast fill
03	45	06	25	00	07:58 PM	LH2 topping
03	00	06	20	00	08:03 PM	LH2 replenish
03	00	06	20	00	08:03 PM	LO2 replenish
03	00	06	20	00	08:03 PM	Begin 2-hour 30-minute built-in hold (T-minus 3 hours)
03	00	06	20	00	08:03 PM	Closeout crew to white room
03	00	06	20	00	08:03 PM	External tank in stable replenish mode
03	00	06	05	00	08:18 PM	Astronaut support personnel comm checks
03	00	05	35	00	08:48 PM	Pre-ingress switch reconfig
03	00	05	28	00	08:55 PM	Crew breakfast/photo op (recorded)
03	00	04	53	00	09:30 PM	NASA television launch coverage begins
03	00	04	25	00	09:58 PM	Final crew weather briefing
03	00	04	15	00	10:08 PM	Crew suit up begins
03	00	03	50	00	10:33 PM	Resume countdown (T-minus 3 hours)
02	55	03	45	00	10:38 PM	Crew departs O&C building
02	25	03	15	00	11:08 PM	Crew ingress
01	35	02	25	00	11:58 PM	Astronaut comm checks
Tue 03/11/08						
01	20	02	10	00	12:13 AM	Hatch closure
01	10	01	30	00	12:53 AM	White room closeout
00	20	01	10	00	01:13 AM	Begin 10-minute built-in hold (T-minus 20m)
00	20	01	00	00	01:23 AM	NASA test director countdown briefing
00	20	01	00	00	01:23 AM	Resume countdown (T-minus 20m)
00	19	00	59	00	01:24 AM	Backup flight computer to OPS 1
00	15	00	55	00	01:28 AM	KSC area clear to launch
00	09	00	50	00	01:33 AM	Begin final built-in hold (T-minus 9m)
00	09	00	24	00	02:04 AM	NTD launch status verification
00	09	00	09	00	02:19:10 AM	Resume countdown (T-minus 9m)
00	07	00	07	30	02:20:40 AM	Orbiter access arm retraction
00	05	00	05	00	02:23:10 AM	Launch window opens
00	05	00	05	00	02:23:10 AM	Hydraulic power system (APU) start
00	04	00	04	55	02:23:15 AM	Terminate LO2 replenish
00	04	00	04	00	02:24:10 AM	Purge sequence 4 hydraulic test
00	04	00	04	00	02:24:10 AM	IMUs to inertial
00	03	00	03	55	02:24:15 AM	Aerosurface profile
00	03	00	03	30	02:24:40 AM	Main engine steering test
00	02	00	02	55	02:25:15 AM	LO2 tank pressurization
00	02	00	02	35	02:25:35 AM	Fuel cells to internal reactants
00	02	00	02	30	02:25:40 AM	Clear caution-and-warning memory
00	02	00	02	00	02:26:10 AM	Crew closes visors
00	01	00	01	57	02:26:13 AM	LH2 tank pressurization

00	00	00	00	50	02:27:20 AM	SRB joint heater deactivation
00	00	00	00	31	02:27:39 AM	Shuttle GPCs take control of countdown
00	00	00	00	21	02:27:49 AM	SRB steering test
00	00	00	00	07	02:28:03 AM	Main engine start (T-6.6 seconds)
00	00	00	00	00	02:28:10 AM	SRB ignition (LAUNCH)
Source: NASA						Prepared by William Harwood