

STS-116/ISS-12A.1			SpaceCalc Shuttle Mission Planner				
Eastern Time	DD	HH	MM	Updated (FD-9 through EOM): 12/17/06			
Flight Day 1							
12/09/06	Sat	08:47	PM	00	00	00	STS-116 Launch (actual 8:47:35 p.m.)
12/09/06	Sat	09:24	PM	00	00	37	OMS-2 rocket firing
12/09/06	Sat	09:37	PM	00	00	50	Post-insertion timeline begins
12/09/06	Sat	11:17	PM	00	02	30	Spacehab activation
12/09/06	Sat	11:17	PM	00	02	30	PGSC, TV setup
12/09/06	Sat	11:45	PM	00	02	58	NC-1 rendezvous rocket firing
12/10/06	Sun	12:07	AM	00	03	20	Group B computer powerdown
12/10/06	Sun	12:47	AM	00	04	00	Robot arm (RMS) powerup
12/10/06	Sun	01:02	AM	00	04	15	RMS checkout
12/10/06	Sun	01:17	AM	00	04	30	TPS imagery downlink
12/10/06	Sun	01:17	AM	00	04	30	WLES setup
12/10/06	Sun	01:52	AM	00	05	05	ET video downlink
12/10/06	Sun	02:47	AM	00	06	00	Crew sleep begins
FD-2							
12/10/06	Sun	10:47	AM	00	14	00	Crew wakeup
12/10/06	Sun	01:02	PM	00	16	15	PGSC setup (part 2)
12/10/06	Sun	01:43	PM	00	16	56	NC-2 rendezvous rocket firing
12/10/06	Sun	01:47	PM	00	17	00	OBSS unberth
12/10/06	Sun	01:47	PM	00	17	00	Logistics transfer preps
12/10/06	Sun	02:32	PM	00	17	45	NPC rendezvous rocket firing
12/10/06	Sun	03:07	PM	00	18	20	Spacesuit checkout preps
12/10/06	Sun	03:12	PM	00	18	25	OBSS surveys starboard wing
12/10/06	Sun	03:37	PM	00	18	50	Spacesuit checkout

12/10/06	Sun	04:42 PM	00	19	55	OBSS surveys nose cap
12/10/06	Sun	04:57 PM	00	20	10	ETVCG assembly
12/10/06	Sun	05:12 PM	00	20	25	Ergometer setup
12/10/06	Sun	06:12 PM	00	21	25	Crew meals begin
12/10/06	Sun	06:12 PM	00	21	25	Centerline camera installation
12/10/06	Sun	06:42 PM	00	21	55	Orbiter docking system ring extension
12/10/06	Sun	07:12 PM	00	22	25	OBSS surveys port wing
12/10/06	Sun	08:12 PM	00	23	25	Spacesuit transfer preps
12/10/06	Sun	08:47 PM	01	00	00	OBSS berthing
12/10/06	Sun	09:17 PM	01	00	30	Upper surface survey
12/10/06	Sun	11:02 PM	01	02	15	Rendezvous tools checkout
12/10/06	Sun	11:02 PM	01	02	15	OMS pod survey
12/10/06	Sun	11:42 PM	01	02	55	Survey videotape playback
12/10/06	Sun	11:51 PM	01	03	04	NC-3 rendezvous rocket firing
12/11/06	Mon	02:17 AM	01	05	30	Crew sleep begins
FD-3						
12/11/06	Mon	10:17 AM	01	13	30	STS crew wakeup
12/11/06	Mon	11:17 AM	01	14	30	Group B computer powerup
12/11/06	Mon	11:32 AM	01	14	45	Rendezvous timeline begins
12/11/06	Mon	12:47 PM	01	16	00	Spacehab prepped for docking
12/11/06	Mon	12:55 PM	01	16	08	NC-4 rendezvous rocket firing
12/11/06	Mon	02:28 PM	01	17	41	TI burn
12/11/06	Mon	03:04 PM	01	18	17	Sunset
12/11/06	Mon	03:26 PM	01	18	39	Range: 10,000 feet
12/11/06	Mon	03:35 PM	01	18	48	Range: 5,000 feet
12/11/06	Mon	03:39 PM	01	18	52	Sunrise
12/11/06	Mon	03:40 PM	01	18	53	Range: 3,000 feet
12/11/06	Mon	03:45 PM	01	18	58	MC-4 rendezvous burn
12/11/06	Mon	03:49 PM	01	19	02	Range: 1,500 feet
12/11/06	Mon	03:51 PM	01	19	04	RPM start window open

12/11/06	Mon	03:54 PM	01	19	07	Range: 1,000 feet
12/11/06	Mon	03:57 PM	01	19	10	KU antenna to low power
12/11/06	Mon	03:58 PM	01	19	11	+R bar arrival directly below ISS
12/11/06	Mon	04:03 PM	01	19	16	Range: 600 feet
12/11/06	Mon	04:05 PM	01	19	18	Start pitch maneuver
12/11/06	Mon	04:07 PM	01	19	20	Noon
12/11/06	Mon	04:13 PM	01	19	26	End pitch maneuver
12/11/06	Mon	04:15 PM	01	19	28	RPM full photo window close
12/11/06	Mon	04:15 PM	01	19	28	Initiate pitch up maneuver
12/11/06	Mon	04:23 PM	01	19	36	RPM start window close
12/11/06	Mon	04:27 PM	01	19	40	+V bar arrival; range: 310 feet
12/11/06	Mon	04:28 PM	01	19	41	Range: 300 feet
12/11/06	Mon	04:32 PM	01	19	45	Range: 250 feet
12/11/06	Mon	04:35 PM	01	19	48	Sunset
12/11/06	Mon	04:36 PM	01	19	49	Range: 200 feet
12/11/06	Mon	04:38 PM	01	19	51	Range: 170 feet
12/11/06	Mon	04:40 PM	01	19	53	Range: 150 feet
12/11/06	Mon	04:44 PM	01	19	57	Range: 100 feet
12/11/06	Mon	04:47 PM	01	20	00	Range: 75 feet
12/11/06	Mon	04:47 PM	01	20	00	PMA-2 prepped for docking
12/11/06	Mon	04:51 PM	01	20	04	Range: 50 feet
12/11/06	Mon	04:55 PM	01	20	08	Range: 30 feet; start stationkeeping
12/11/06	Mon	05:00 PM	01	20	13	End stationkeeping; push to dock
12/11/06	Mon	05:04 PM	01	20	17	Range: 10 feet
12/11/06	Mon	05:06 PM	01	20	19	DOCKING
12/11/06	Mon	05:10 PM	01	20	23	Sunrise
12/11/06	Mon	05:27 PM	01	20	40	Hard mate
12/11/06	Mon	05:27 PM	01	20	40	Leak checks; PGSC reconfig
12/11/06	Mon	05:47 PM	01	21	00	Group B computer powerdown
12/11/06	Mon	05:57 PM	01	21	10	Docking system prepped for entry
12/11/06	Mon	06:17 PM	01	21	30	Hatches open
12/11/06	Mon	07:07 PM	01	22	20	Safety briefing
12/11/06	Mon	07:32 PM	01	22	45	Spacesuit, EVA tools transfer

12/11/06	Mon	07:32 PM	01	22	45	Soyuz seatliner transfer
12/11/06	Mon	08:02 PM	01	23	15	Soyuz seatliner installation
12/11/06	Mon	08:17 PM	01	23	30	P5 grapple by SRMS
12/11/06	Mon	08:32 PM	01	23	45	P5 unberth by SRMS
12/11/06	Mon	09:12 PM	02	00	25	Equipment lock preps
12/11/06	Mon	09:32 PM	02	00	45	P5 handoff from SRMS to SSRMS
12/11/06	Mon	09:47 PM	02	01	00	SRMS ungrapples P5
12/11/06	Mon	10:02 PM	02	01	15	Docking video replay
12/11/06	Mon	11:02 PM	02	02	15	EVA-1: Procedures review
12/11/06	Mon	11:47 PM	02	03	00	P5 video playback
12/12/06	Tue	12:37 AM	02	03	50	EVA-1: EV1/EV2 mask prebreathe
12/12/06	Tue	12:37 AM	02	03	50	EVA-1: EV1/EV2 airlock campout begins
12/12/06	Tue	01:27 AM	02	04	40	EVA-1: Crew lock depress to 10.2 psi
12/12/06	Tue	02:47 AM	02	06	00	Crew sleep begins
FD-4						
12/12/06	Tue	10:47 AM	02	14	00	STS crew wakeup
12/12/06	Tue	11:17 AM	02	14	30	ISS crew wakeup
12/12/06	Tue	11:22 AM	02	14	35	EVA-1: 14.7 psi repress
12/12/06	Tue	11:22 AM	02	14	35	EVA-1: Hygiene break
12/12/06	Tue	12:07 PM	02	15	20	EVA-1: Crew lock depress to 10.2 psi
12/12/06	Tue	12:32 PM	02	15	45	EVA-1: Campout EVA preps
12/12/06	Tue	12:52 PM	02	16	05	Station arm (SSRMS) to preinstall setup
12/12/06	Tue	02:02 PM	02	17	15	EVA-1: Spacesuit purge
12/12/06	Tue	02:17 PM	02	17	30	EVA-1: Spacesuit prebreathe
12/12/06	Tue	03:07 PM	02	18	20	EVA-1: Crew lock depressurization
12/12/06	Tue	03:42 PM	02	18	55	EVA-1: Airlock egress
12/12/06	Tue	04:07 PM	02	19	20	EVA-1: P5 launch lock removal
12/12/06	Tue	05:07 PM	02	20	20	EVA-1: P5/P4 attachment
12/12/06	Tue	06:37 PM	02	21	50	SSRMS ungrapples P5
12/12/06	Tue	06:37 PM	02	21	50	EVA-1: Keel pin relocate

12/12/06	Tue	07:37 PM	02	22	50	EVA-1: CP3 camera R & R
12/12/06	Tue	09:07 PM	03	00	20	EVA-1: Payload bay cleanup
12/12/06	Tue	09:27 PM	03	00	40	EVA-1: Airlock ingress
12/12/06	Tue	09:52 PM	03	01	05	EVA-1: Airlock repressurization
12/12/06	Tue	10:17 PM	03	01	30	RMS powerdown
12/12/06	Tue	10:17 PM	03	01	30	Transfer tagup
12/13/06	Wed	12:02 AM	03	03	15	Cameras positioned for P6 retract
12/13/06	Wed	02:17 AM	03	05	30	STS/ISS crew sleep begins
12/13/06	Wed	06:27 AM	03	09	40	MCC: SARJ checkout
FD-5 (extensive realtime replanning not reflected here)						
12/13/06	Wed	10:17 AM	03	13	30	STS crew wakeup
12/13/06	Wed	10:47 AM	03	14	00	ISS crew wakeup
12/13/06	Wed	12:47 PM	03	16	00	RMS powerup
12/13/06	Wed	01:22 PM	03	16	35	Transfers resume
12/13/06	Wed	01:22 PM	03	16	35	P6 retracted 3 bays
12/13/06	Wed	01:32 PM	03	16	45	P6 survey
12/13/06	Wed	01:47 PM	03	17	00	ETVCG disassembly
12/13/06	Wed	02:02 PM	03	17	15	P6 port panel retracted to 1 bay
12/13/06	Wed	02:47 PM	03	18	00	P6-4B BGA unlatched
12/13/06	Wed	02:47 PM	03	18	00	P4 arrays feathered
12/13/06	Wed	02:52 PM	03	18	05	P3 solar alpha rotary joint begins tracking
12/13/06	Wed	03:17 PM	03	18	30	SAFER checkout
12/13/06	Wed	03:22 PM	03	18	35	P6 solar array blanket box unlatched
12/13/06	Wed	03:52 PM	03	19	05	EVA-2: Equipment lock preps
12/13/06	Wed	04:37 PM	03	19	50	Crew meals begin
12/13/06	Wed	05:37 PM	03	20	50	QD bag 1/2 pack
12/13/06	Wed	06:17 PM	03	21	30	P6 port wing final 1 bay retraction
12/13/06	Wed	08:07 PM	03	23	20	PAO Event (audio only)
12/13/06	Wed	09:12 PM	04	00	25	P6 SABB latched
12/13/06	Wed	10:02 PM	04	01	15	EVA-2: Procedures review

12/13/06	Wed	10:27 PM	04	01	40	RMS powerdown
12/14/06	Thu	12:27 AM	04	03	40	EVA-2: Mack prebreathe and tool config
12/14/06	Thu	01:17 AM	04	04	30	EVA-2: Crew lock to 10.2 psi
12/14/06	Thu	02:17 AM	04	05	30	STS/ISS crew sleep begins
12/14/06	Thu	06:00 AM	04	09	13	Geminids meteor shower peak (approximate)
FD-6 (updated 12/13/06)						
12/14/06	Thu	10:17 AM	04	13	30	STS crew wakeup
12/14/06	Thu	10:47 AM	04	14	00	ISS crew wakeup
12/14/06	Thu	10:52 AM	04	14	05	EVA-2: Crew lock repress to 14.7 psi
12/14/06	Thu	10:52 AM	04	14	05	EVA-2: Hygiene break
12/14/06	Thu	11:37 AM	04	14	50	EVA-2: Crew lock depress to 10.2 psi
12/14/06	Thu	12:02 PM	04	15	15	EVA-2: Campout EVA preps
12/14/06	Thu	12:27 PM	04	15	40	MCC: EPS channel 2/3 commanding starts
12/14/06	Thu	01:02 PM	04	16	15	ISS: Avionics rack 1 jumper installation
12/14/06	Thu	01:32 PM	04	16	45	EVA-2: Spacesuit purge
12/14/06	Thu	01:47 PM	04	17	00	EVA-2: Spacesuit prebreathe
12/14/06	Thu	02:22 PM	04	17	35	RMS powerup
12/14/06	Thu	02:37 PM	04	17	50	EVA-2: Crew lock depressurization
12/14/06	Thu	03:07 PM	04	18	20	SSRMS setup
12/14/06	Thu	03:12 PM	04	18	25	EVA-2: Airlock egress
12/14/06	Thu	03:27 PM	04	18	40	MCC: EPS channel 2B powerdown
12/14/06	Thu	03:37 PM	04	18	50	EVA-2: Channel 2/3 power reconfig
12/14/06	Thu	03:47 PM	04	19	00	Lab DDCCU config
12/14/06	Thu	04:32 PM	04	19	45	ISS TVIS gyro R&R
12/14/06	Thu	04:37 PM	04	19	50	EVA-2: EV2: CETA cart 2 relocation
12/14/06	Thu	05:07 PM	04	20	20	EVA-2: EV1: CETA cart 2 relocation
12/14/06	Thu	06:02 PM	04	21	15	MCC: EPS final activation
12/14/06	Thu	06:32 PM	04	21	45	EVA-2: CETA cart 1 relocation
12/14/06	Thu	07:42 PM	04	22	55	EVA-2: EV1: FMS MLI installation
12/14/06	Thu	07:52 PM	04	23	05	EVA-2: EV2: EVA bag installation
12/14/06	Thu	08:02 PM	04	23	15	EVA-2: EV1: Z1 reconfig

12/14/06	Thu	08:22 PM	04	23	35	EVA-2: Payload bay cleanup
12/14/06	Thu	08:42 PM	04	23	55	EVA-2: Airlock ingress
12/14/06	Thu	09:07 PM	05	00	20	EVA-2: Airlock repressurization
12/14/06	Thu	09:17 PM	05	00	30	ISS: Avionics rack 1 jumper removal
12/14/06	Thu	10:27 PM	05	01	40	RMS powerdown
12/15/06	Fri	01:47 AM	05	05	00	STS/ISS crew sleep begins
FD-7						
12/15/06	Fri	09:47 AM	05	13	00	STS crew wakeup
12/15/06	Fri	10:17 AM	05	13	30	ISS crew wakeup
12/15/06	Fri	12:22 PM	05	15	35	Transfers resume
12/15/06	Fri	12:27 PM	05	15	40	Spacesuit resizing
12/15/06	Fri	12:57 PM	05	16	10	CBA R&R
12/15/06	Fri	01:12 PM	05	16	25	ORCA R&R
12/15/06	Fri	01:27 PM	05	16	40	N1 Y jumper installation
12/15/06	Fri	02:07 PM	05	17	20	PAO event (Fuglesang and Reiter)
12/15/06	Fri	02:42 PM	05	17	55	EVA-3: equipment lock prep
12/15/06	Fri	03:27 PM	05	18	40	Joint crew photo
12/15/06	Fri	03:47 PM	05	19	00	Joint crew news conference
12/15/06	Fri	04:17 PM	05	19	30	Joint crew meal
12/15/06	Fri	05:17 PM	05	20	30	Crew off duty time begins
12/15/06	Fri	05:27 PM	05	20	40	PAO event (Lopez-Alegria, Tyurin)
12/15/06	Fri	09:17 PM	06	00	30	EVA-3: Procedures review
12/15/06	Fri	10:17 PM	06	01	30	Transfer tagup
12/15/06	Fri	11:57 PM	06	03	10	EVA-3: Mask prebreathe/tool config
12/16/06	Sat	12:47 AM	06	04	00	EVA-3: Crew lock depress to 10.2 psi
12/16/06	Sat	01:47 AM	06	05	00	STS/ISS crew sleep begins
12/16/06	Sat	03:11 AM	06	06	24	Geminid meteor shower peak
FD-8						

12/16/06	Sat	09:47 AM	06	13	00	STS crew wakeup
12/16/06	Sat	10:17 AM	06	13	30	ISS crew wakeup
12/16/06	Sat	10:22 AM	06	13	35	EVA-3: 14.7 repress
12/16/06	Sat	10:22 AM	06	13	35	EVA-3: Hygiene break
12/16/06	Sat	11:07 AM	06	14	20	EVA-3: 10.2 psi depress
12/16/06	Sat	11:32 AM	06	14	45	EVA-3; Campout EVA preps
12/16/06	Sat	11:57 AM	06	15	10	MCC: EPS channel 1/4 powerdown reconfig
12/16/06	Sat	12:22 PM	06	15	35	ISS: Avionics rack 2 jumper installation
12/16/06	Sat	12:52 PM	06	16	05	OIU activation
12/16/06	Sat	01:02 PM	06	16	15	EVA-3: Spacesuit purge
12/16/06	Sat	01:17 PM	06	16	30	EVA-3: Spacesuit prebreathe
12/16/06	Sat	02:07 PM	06	17	20	EVA-3: Crew lock depressurization
12/16/06	Sat	02:42 PM	06	17	55	EVA-3: Airlock egress
12/16/06	Sat	03:02 PM	06	18	15	RMS powerup
12/16/06	Sat	03:07 PM	06	18	20	EVA-3: Channel 1/4 power reconfig
12/16/06	Sat	03:17 PM	06	18	30	ISS: Lab DDCU config
12/16/06	Sat	04:02 PM	06	19	15	EVA-3: EV3: SMDP transfer
12/16/06	Sat	04:37 PM	06	19	50	EVA-3: EV1: SMDP transfer
12/16/06	Sat	05:52 PM	06	21	05	MCC: EPS final activation
12/16/06	Sat	06:42 PM	06	21	55	EVA-3: Russian segment power reconfig
12/16/06	Sat	07:17 PM	06	22	30	EVA-3: AGB transfer
12/16/06	Sat	08:02 PM	06	23	15	EVA-3: Payload bay cleanup
12/16/06	Sat	08:22 PM	06	23	35	EVA-3: Airlock ingress
12/16/06	Sat	08:27 PM	06	23	40	ISS: Avionics rack 2 jumper removal
12/16/06	Sat	08:47 PM	07	00	00	EVA-3: Airlock repressurization
12/16/06	Sat	08:47 PM	07	00	00	ISS: Node 1 jumper removal
12/16/06	Sat	09:47 PM	07	01	00	Transfer tagup
12/17/06	Sun	01:17 AM	07	04	30	STS/ISS crew sleep begins
FD-9 (updated through EOM 12/17/06)						

12/17/06	Sun	09:17 AM	07	12	30	STS crew wakeup
12/17/06	Sun	09:47 AM	07	13	00	ISS crew wakeup
12/17/06	Sun	11:47 AM	07	15	00	Transfers resume
12/17/06	Sun	01:47 PM	07	17	00	Spacesuit resizing
12/17/06	Sun	03:17 PM	07	18	30	Equipment lock preparations
12/17/06	Sun	03:52 PM	07	19	05	Crew meals begin
12/17/06	Sun	04:52 PM	07	20	05	Transfers resume
12/17/06	Sun	07:27 PM	07	22	40	PAO event (CDR, PLT, MS1-2-4)
12/17/06	Sun	08:37 PM	07	23	50	Transfer tagup
12/17/06	Sun	09:02 PM	08	00	15	EVA-4: Procedures review
12/17/06	Sun	11:27 PM	08	02	40	EVA-4: Campout begins
12/18/06	Mon	12:17 AM	08	03	30	EVA-4: 10.2-psi depress
12/18/06	Mon	12:42 AM	08	03	55	EVA-4: Tools configured
12/18/06	Mon	01:17 AM	08	04	30	STS/ISS crew sleep begins
FD-10						
12/18/06	Mon	09:17 AM	08	12	30	STS crew wakeup
12/18/06	Mon	09:47 AM	08	13	00	ISS crew wakeup
12/18/06	Mon	09:52 AM	08	13	05	EVA-4: 14.7 repress
12/18/06	Mon	10:12 AM	08	13	25	EVA-4: Hygiene break
12/18/06	Mon	10:37 AM	08	13	50	EVA-4: 10.2 depress
12/18/06	Mon	11:02 AM	08	14	15	EVA-4: Campout preps
12/18/06	Mon	12:32 PM	08	15	45	EVA-4: Spacesuit purge
12/18/06	Mon	12:47 PM	08	16	00	EVA-4: Spacesuit pre-breathe
12/18/06	Mon	01:37 PM	08	16	50	EVA-4: Airlock depress
12/18/06	Mon	02:12 PM	08	17	25	EVA-4: Airlock egress
12/18/06	Mon	08:12 PM	08	23	25	EVA-4: Airlock ingress
12/18/06	Mon	08:37 PM	08	23	50	EVA-4: Airlock repress
12/18/06	Mon	08:47 PM	09	00	00	Rendezvous tools checkout
12/19/06	Tue	12:47 AM	09	04	00	STS/ISS crew sleep begins

			FD-11			
12/19/06	Tue	08:47 AM	09	12	00	STS crew wakeup
12/19/06	Tue	09:17 AM	09	12	30	ISS crew wakeup
12/19/06	Tue	11:17 AM	09	14	30	Logistics transfers resume
12/19/06	Tue	01:22 PM	09	16	35	Oxygen transfer system teardown
12/19/06	Tue	01:37 PM	09	16	50	Final transfer tagup
12/19/06	Tue	02:07 PM	09	17	20	Farewell ceremony
12/19/06	Tue	02:22 PM	09	17	35	Hatch closing
12/19/06	Tue	02:47 PM	09	18	00	ODS leak checks
12/19/06	Tue	02:52 PM	09	18	05	Centerline camera installation
12/19/06	Tue	03:52 PM	09	19	05	Group B computer powerup
12/19/06	Tue	04:17 PM	09	19	30	Undocking timeline begins
12/19/06	Tue	05:09 PM	09	20	22	UNDOCKING
12/19/06	Tue	05:38 PM	09	20	51	Separation burn No. 1
12/19/06	Tue	05:52 PM	09	21	05	600 feet
12/19/06	Tue	06:06 PM	09	21	19	Separation burn No. 2
12/19/06	Tue	06:52 PM	09	22	05	Separation burn No. 3
12/19/06	Tue	06:12 PM	09	21	25	Crew meals begin
12/19/06	Tue	06:42 PM	09	21	55	PMA-2 depressurization
12/19/06	Tue	07:12 PM	09	22	25	Group B computer powerdown
12/19/06	Tue	07:37 PM	09	22	50	Undocking video playback
12/19/06	Tue	11:47 PM	10	03	00	STS crew sleep begins
			FD-11			
12/20/06	Wed	07:47 AM	10	11	00	STS crew wakeup
12/20/06	Wed	10:37 AM	10	13	50	RMS powerup
12/20/06	Wed	10:52 AM	10	14	05	OBSS unberth
12/20/06	Wed	11:52 AM	10	15	05	OBSS starboard wing leading edge survey
12/20/06	Wed	01:22 PM	10	16	35	OBSS nose cap survey
12/20/06	Wed	02:52 PM	10	18	05	Crew meal

12/20/06	Wed	03:52 PM	10	19	05	OBSS port WLE survey
12/20/06	Wed	05:22 PM	10	20	35	OBSS berthing
12/20/06	Wed	07:06 PM	10	22	19	MEPSI deploy
12/20/06	Wed	08:37 PM	10	23	50	RAFT deploy operations
12/20/06	Wed	11:17 PM	11	02	30	Crew sleep begins
FD-12						
12/21/06	Thu	07:17 AM	11	10	30	STS crew wakeup
12/21/06	Thu	10:17 AM	11	13	30	Flight control system checkout
12/21/06	Thu	10:17 AM	11	13	30	Cabin stow
12/21/06	Thu	11:27 AM	11	14	40	Reaction control system hotfire
12/21/06	Thu	11:42 AM	11	14	55	PILOT landing practice
12/21/06	Thu	01:12 PM	11	16	25	Transfer cleanup
12/21/06	Thu	01:19 PM	11	16	32	ANDE deploy operations
12/21/06	Thu	01:49 PM	11	17	02	ANDE separation
12/21/06	Thu	02:12 PM	11	17	25	PAO event (all)
12/21/06	Thu	02:32 PM	11	17	45	Crew meal
12/21/06	Thu	03:32 PM	11	18	45	Deorbit review
12/21/06	Thu	04:47 PM	11	20	00	Launch/entry suit preps
12/21/06	Thu	05:47 PM	11	21	00	Recumbent seat setup
12/21/06	Thu	05:47 PM	11	21	00	Ergometer stow
12/21/06	Thu	06:17 PM	11	21	30	Crew off duty time begins
12/21/06	Thu	08:17 PM	11	23	30	KU-band antenna stow
12/21/06	Thu	11:17 PM	12	02	30	Crew sleep begins
FD-13						
12/22/06	Fri	07:17 AM	12	10	30	Crew wakeup
12/22/06	Fri	09:42 AM	12	12	55	Group B powerup
12/22/06	Fri	09:57 AM	12	13	10	IMU alignment
12/22/06	Fri	10:02 AM	12	13	15	GIRA stow, PGSC stow
12/22/06	Fri	10:42 AM	12	13	55	Deorbit prep timeline begins

12/22/06	Fri	02:53 PM	12	18	06	Deorbit ignition (orbit 202)
12/22/06	Fri	03:56 PM	12	19	09	KSC Landing
BACKUP LANDING OPPORTUNITIES						
12/22/06	Fri	04:23 PM	12	19	36	203 EAFB TIG
12/22/06	Fri	05:26 PM	12	20	39	EAFB landing
12/22/06	Fri	04:25 PM	12	19	38	203 Northrup TIG
12/22/06	Fri	05:27 PM	12	20	40	Northrup landing
12/22/06	Fri	04:30 PM	12	19	43	203 KSC TIG
12/22/06	Fri	05:31 PM	12	20	44	KSC landing
12/22/06	Fri	05:59 PM	12	21	12	204 EAFB TIG
12/22/06	Fri	07:00 PM	12	22	13	EAFB landing
12/22/06	Fri	06:01 PM	12	21	14	204 Northrup TIG
12/22/06	Fri	07:02 PM	12	22	15	Northrup landing
	TBD					204 KSC TIG (orbit adjust burn required; time TBD)
	TBD					KSC landing
12/22/06	Fri	07:35 PM	12	22	48	205 EAFB TIG
12/22/06	Fri	08:36 PM	12	23	49	EAFB landing
12/23/06	Sat	01:36 PM	13	16	49	217 KSC TIG
12/23/06	Sat	02:39 PM	13	17	52	KSC landing
12/23/06	Sat	03:08 PM	13	18	21	218 Northrup TIG
12/23/06	Sat	04:10 PM	13	19	23	Northrup landing
12/23/06	Sat	03:12 PM	13	18	25	218 KSC TIG
12/23/06	Sat	04:14 PM	13	19	27	KSC landing
12/23/06	Sat	04:41 PM	13	19	54	219 EAFB TIG
12/23/06	Sat	05:44 PM	13	20	57	EAFB landing
12/23/06	Sat	04:43 PM	13	19	56	219 Northrup TIG
12/23/06	Sat	05:45 PM	13	20	58	Northrup landing
12/23/06	Sat	06:17 PM	13	21	30	220 EAFB TIG
12/23/06	Sat	07:18 PM	13	22	31	EAFB landing
12/23/06	Sat	06:20 PM	13	21	33	220 Northrup TIG

	12/23/06 Sat 07:20 PM	13 22 33	Northrup landing
			Compiled by William Harwood