

STS-118/ISS-13A.1			SpaceCalc Shuttle Mission Planner			
Eastern Time			DD	HH	MM	Updated 08/19/07
Flight Day 1						
08/08/07	Wed	06:37 PM	00	00	00	STS-118 Launch
08/08/07	Wed	07:14 PM	00	00	37	OMS-2 rocket firing
08/08/07	Wed	07:27 PM	00	00	50	Post insertion timeline begins
08/08/07	Wed	09:07 PM	00	02	30	Spacehab activation
08/08/07	Wed	09:07 PM	00	02	30	Laptop computer network setup
08/08/07	Wed	09:32 PM	00	02	55	NC1 rendezvous rocket firing
08/08/07	Wed	10:07 PM	00	03	30	Shuttle robot arm (SRMS) powerup
08/08/07	Wed	10:12 PM	00	03	35	Group B computer powerdown
08/08/07	Wed	10:22 PM	00	03	45	SRMS checkout
08/08/07	Wed	10:27 PM	00	03	50	WLES setup
08/08/07	Wed	10:47 PM	00	04	10	ET handheld photography
08/08/07	Wed	11:12 PM	00	04	35	Umbilical well camera downlink
08/08/07	Wed	11:12 PM	00	04	35	ET video downlink
08/09/07	Thu	12:37 AM	00	06	00	Crew sleep begins
Flight Day 2 (updated 8/9/07)						
08/09/07	Thu	08:37 AM	00	14	00	Crew wakeup
08/09/07	Thu	10:37 AM	00	16	00	Laptop computer setup (part 2)
08/09/07	Thu	10:39 AM	00	16	02	NC2 rendezvous rocket firing
08/09/07	Thu	11:22 AM	00	16	45	OBSS unberth
08/09/07	Thu	11:47 AM	00	17	10	Spacesuit checkout preps
08/09/07	Thu	12:22 PM	00	17	45	Spacesuit checkout
08/09/07	Thu	12:22 PM	00	17	45	OBSS starboard wing survey
08/09/07	Thu	02:17 PM	00	19	40	OBSS nose cap survey

08/09/07	Thu	02:47 PM	00	20	10	Ergometer setup
08/09/07	Thu	03:17 PM	00	20	40	OBSS port wing survey
08/09/07	Thu	03:17 PM	00	20	40	Logistics transfer preps
08/09/07	Thu	04:17 PM	00	21	40	Crew meals begin
08/09/07	Thu	05:32 PM	00	22	55	OBSS berthing
08/09/07	Thu	06:17 PM	00	23	40	Centerline camera installation
08/09/07	Thu	06:17 PM	00	23	40	Spacesuit transfer preps
08/09/07	Thu	06:17 PM	00	23	40	OMS pod survey
08/09/07	Thu	06:47 PM	01	00	10	Orbiter docking system ring extension
08/09/07	Thu	06:47 PM	01	00	10	LDRI downlink
08/09/07	Thu	06:52 PM	01	00	15	Rendezvous tools checkout
08/09/07	Thu	07:52 PM	01	01	15	EVA tools transfer preps
08/09/07	Thu	08:57 PM	01	02	20	Morgan PAO event
08/09/07	Thu	10:00 PM	01	03	23	NC3 rendezvous rocket firing
08/09/07	Thu	11:37 PM	01	05	00	Crew sleep begins
Flight Day 3 (updated 8/10/07)						
08/10/07	Fri	07:37 AM	01	13	00	STS/ISS crew wakeup
08/10/07	Fri	08:42 AM	01	14	05	Group B computer powerup
08/10/07	Fri	08:57 AM	01	14	20	Begin rendezvous timeline
08/10/07	Fri	09:45 AM	01	15	08	NC4 rendezvous rocket firing
08/10/07	Fri	10:47 AM	01	16	10	Spacehab prepped for docking
08/10/07	Fri	11:16 AM	01	16	39	TI burn
08/10/07	Fri	11:27 AM	01	16	50	Spacesuit removal
08/10/07	Fri	11:52 AM	01	17	15	Sunset
08/10/07	Fri	12:00 PM	01	17	23	US arrays feathered
08/10/07	Fri	12:14 PM	01	17	37	Range: 10,000 feet
08/10/07	Fri	12:23 PM	01	17	46	Range: 5,000 feet
08/10/07	Fri	12:24 PM	01	17	47	Sunrise
08/10/07	Fri	12:29 PM	01	17	52	Range: 3,000 feet
08/10/07	Fri	12:33 PM	01	17	56	MC-4 rendezvous burn
08/10/07	Fri	12:37 PM	01	18	00	Approach timeline begins

08/10/07	Fri	12:37 PM	01	18	00	Range: 1,500 feet
08/10/07	Fri	12:38 PM	01	18	01	RPM start window open
08/10/07	Fri	12:42 PM	01	18	05	Range: 1,000 feet
08/10/07	Fri	12:45 PM	01	18	08	KU antenna to low power
08/10/07	Fri	12:46 PM	01	18	09	+R bar arrival directly below ISS
08/10/07	Fri	12:51 PM	01	18	14	Range: 600 feet
08/10/07	Fri	12:53 PM	01	18	16	Start pitch maneuver
08/10/07	Fri	12:54 PM	01	18	17	Noon
08/10/07	Fri	01:01 PM	01	18	24	End pitch maneuver
08/10/07	Fri	01:01 PM	01	18	24	RPM full photo window close
08/10/07	Fri	01:03 PM	01	18	26	Initiate pitch up maneuver
08/10/07	Fri	01:09 PM	01	18	32	RPM start window close
08/10/07	Fri	01:15 PM	01	18	38	+V bar arrival; range: 310 feet
08/10/07	Fri	01:16 PM	01	18	39	Range: 300 feet
08/10/07	Fri	01:20 PM	01	18	43	Range: 250 feet
08/10/07	Fri	01:23 PM	01	18	46	Sunset
08/10/07	Fri	01:24 PM	01	18	47	Range: 200 feet
08/10/07	Fri	01:27 PM	01	18	50	Range: 170 feet
08/10/07	Fri	01:28 PM	01	18	51	Range: 150 feet
08/10/07	Fri	01:32 PM	01	18	55	Range: 100 feet
08/10/07	Fri	01:35 PM	01	18	58	Range: 75 feet
08/10/07	Fri	01:40 PM	01	19	03	Range: 50 feet
08/10/07	Fri	01:43 PM	01	19	06	Range: 30 feet; start stationkeeping
08/10/07	Fri	01:48 PM	01	19	11	End stationkeeping; push to dock
08/10/07	Fri	01:52 PM	01	19	15	Range: 10 feet
08/10/07	Fri	01:54 PM	01	19	17	DOCKING
08/10/07	Fri	01:56 PM	01	19	19	Sunrise
08/10/07	Fri	02:17 PM	01	19	40	Leak checks
08/10/07	Fri	02:17 PM	01	19	40	Post-rendezvous laptop reconfig
08/10/07	Fri	02:47 PM	01	20	10	Airlock prepped for ingress
08/10/07	Fri	02:57 PM	01	20	20	Group B computer powerdown
08/10/07	Fri	03:17 PM	01	20	40	SRMS grapples S5
08/10/07	Fri	03:22 PM	01	20	45	Hatch opening

08/10/07	Fri	03:32 PM	01	20	55	Spacehab post-docking reconfig
08/10/07	Fri	03:32 PM	01	20	55	SRMS unberths S5
08/10/07	Fri	04:02 PM	01	21	25	Welcome aboard!
08/10/07	Fri	04:07 PM	01	21	30	Safety briefing
08/10/07	Fri	04:32 PM	01	21	55	SSRMS moves to pre-grapple position
08/10/07	Fri	04:52 PM	01	22	15	SRMS maneuvers
08/10/07	Fri	05:22 PM	01	22	45	SSRMS grapples S5
08/10/07	Fri	05:37 PM	01	23	00	SRMS ungrapples S5
08/10/07	Fri	05:37 PM	01	23	00	Equipment lock prep
08/10/07	Fri	05:52 PM	01	23	15	Station-to-shuttle power transfer system activated
08/10/07	Fri	06:07 PM	01	23	30	REBA checkout
08/10/07	Fri	06:22 PM	01	23	45	EVA tools transferred to ISS
08/10/07	Fri	06:42 PM	02	00	05	EVA-1: Tools prepped
08/10/07	Fri	07:22 PM	02	00	45	EVA-1: Procedures review
08/10/07	Fri	10:02 PM	02	03	25	EVA-1: Mask pre-breathe
08/10/07	Fri	10:47 PM	02	04	10	EVA-1: Airlock depress to 10.2 psi
08/10/07	Fri	11:07 PM	02	04	30	ISS crew sleep begins
08/10/07	Fri	11:37 PM	02	05	00	STS crew sleep begin
Flight Day 4 (updated 08/11/07)						
08/11/07	Sat	07:37 AM	02	13	00	STS/ISS crew wakeup
08/11/07	Sat	08:17 AM	02	13	40	EVA-1: 14.7 psi repress
08/11/07	Sat	08:37 AM	02	14	00	EVA-1: Hygiene break
08/11/07	Sat	09:02 AM	02	14	25	EVA-1: Crew lock depress to 10.2 psi
08/11/07	Sat	09:27 AM	02	14	50	EVA-1: Campout EVA preps
08/11/07	Sat	10:27 AM	02	15	50	Logistics transfers resume
08/11/07	Sat	10:57 AM	02	16	20	EVA-1: Spacesuit purge
08/11/07	Sat	10:57 AM	02	16	20	SSPTS shut down for EVA-1
08/11/07	Sat	11:12 AM	02	16	35	EVA-1: Spacesuit prebreathe
08/11/07	Sat	12:02 PM	02	17	25	EVA-1: Crew lock depressurization
08/11/07	Sat	12:07 PM	02	17	30	SSRMS to pre-install position
08/11/07	Sat	12:37 PM	02	18	00	EVA-1: Airlock egress

08/11/07	Sat	12:52 PM	02	18	15	SSRMS support
08/11/07	Sat	12:52 PM	02	18	15	EVA-1: Sortie setup
08/11/07	Sat	01:22 PM	02	18	45	EVA-1: S4/S5 launch lock removal
08/11/07	Sat	01:37 PM	02	19	00	ISS: BOK-3 study
08/11/07	Sat	01:57 PM	02	19	20	SVA-1: S5 installation
08/11/07	Sat	03:07 PM	02	20	30	SSRMS ungrapples S5
08/11/07	Sat	03:27 PM	02	20	50	EVA-1: PVR grapple fixture relocation
08/11/07	Sat	03:37 PM	02	21	00	ISS: BOK-3 study
08/11/07	Sat	04:07 PM	02	21	30	ISS: BOK-3 preparation
08/11/07	Sat	04:27 PM	02	21	50	EVA-1: Get ahead tasks
08/11/07	Sat	04:42 PM	02	22	05	EVA-1: S5 cleanup
08/11/07	Sat	05:17 PM	02	22	40	EVA-1: P6 forward radiator retraction
08/11/07	Sat	06:27 PM	02	23	50	EVA-1: Payload bay cleanup
08/11/07	Sat	06:42 PM	03	00	05	EVA-1: Airlock ingress
08/11/07	Sat	07:02 PM	03	00	25	EVA-1: Airlock repressurization
08/11/07	Sat	07:17 PM	03	00	40	Spacesuit servicing
08/11/07	Sat	08:32 PM	03	01	55	Transfer tagup
08/11/07	Sat	08:52 PM	03	02	15	SSPTS re-activated
08/11/07	Sat	10:37 PM	03	04	00	ISS crew sleep begins
08/11/07	Sat	11:07 PM	03	04	30	STS crew sleep begins
Flight Day 5 (updated 08/11/07)						
08/12/07	Sun	07:07 AM	03	12	30	STS/ISS crew wakeup
08/12/07	Sun	09:22 AM	03	14	45	ISS: BOK-3 computer repair work (5 hours)
08/12/07	Sun	09:37 AM	03	15	00	SRMS moves to OBSS pre-grapple position
08/12/07	Sun	09:47 AM	03	15	10	SSRMS grapples/unberths OBSS
08/12/07	Sun	10:32 AM	03	15	55	SSRMS moves OBSS to handoff position
08/12/07	Sun	11:12 AM	03	16	35	SRMS grapples OBSS
08/12/07	Sun	11:22 AM	03	16	45	SSRMS ungrapples OBSS
08/12/07	Sun	11:32 AM	03	16	55	EVA-2: Tools configured
08/12/07	Sun	12:07 PM	03	17	30	Focused inspection
08/12/07	Sun	12:07 PM	03	17	30	Logistics transfer operations

08/12/07	Sun	12:42 PM	03	18	05	Spacesuit battery charging
08/12/07	Sun	02:37 PM	03	20	00	STS crew meal
08/12/07	Sun	03:37 PM	03	21	00	SSRMS grapples OBSS
08/12/07	Sun	03:37 PM	03	21	00	Equipment lock preps
08/12/07	Sun	04:07 PM	03	21	30	SRMS ungrapples OBSS
08/12/07	Sun	04:07 PM	03	21	30	SAFER checkout
08/12/07	Sun	04:22 PM	03	21	45	SSRMS berths OBSS
08/12/07	Sun	04:52 PM	03	22	15	EVA-2: Tools configured
08/12/07	Sun	05:07 PM	03	22	30	SSRMS releases OBSS
08/12/07	Sun	05:27 PM	03	22	50	EPO transfer and video
08/12/07	Sun	06:32 PM	03	23	55	Transfer tagup
08/12/07	Sun	06:47 PM	04	00	10	EVA-2: Procedures review
08/12/07	Sun	07:47 PM	04	01	10	Walkoff PDGF1 to lab
08/12/07	Sun	09:02 PM	04	02	25	EVA-2: Mask pre-breathe
08/12/07	Sun	09:47 PM	04	03	10	EVA-2: Airlock depress to 10.2 psi
08/12/07	Sun	10:07 PM	04	03	30	ISS crew sleep begins
08/12/07	Sun	10:37 PM	04	04	00	STS crew sleep begins
Flight Day 6 (updated 08/12/07)						
08/13/07	Mon	06:37 AM	04	12	00	STS/ISS crew wakeup
08/13/07	Mon	07:17 AM	04	12	40	EVA-2: Airlock repress to 14.7 psi
08/13/07	Mon	07:37 AM	04	13	00	EVA-2: Hygiene break
08/13/07	Mon	08:07 AM	04	13	30	EVA-2: Airlock depress to 10.2 psi
08/13/07	Mon	08:27 AM	04	13	50	EVA-2: Campout EVA prep
08/13/07	Mon	09:37 AM	04	15	00	Logistics transfers resume
08/13/07	Mon	09:57 AM	04	15	20	EVA-2: Spacesuit purge
08/13/07	Mon	10:12 AM	04	15	35	EVA-2: Spacesuit pre-breathe
08/13/07	Mon	11:02 AM	04	16	25	EVA-2: Crew lock depressurization
08/13/07	Mon	11:37 AM	04	17	00	EVA-2: Airlock egress
08/13/07	Mon	11:52 AM	04	17	15	EVA-2: Setup
08/13/07	Mon	12:22 PM	04	17	45	EVA-2: Remove failed CMG
08/13/07	Mon	12:52 PM	04	18	15	EVA-2: Transfer new CMG to ESP-2

08/13/07	Mon	01:37 PM	04	19	00	Crew meals begin
08/13/07	Mon	02:22 PM	04	19	45	EVA-2: Remove new CMG from ESP-2
08/13/07	Mon	03:12 PM	04	20	35	EVA-2: Install new CMG on Z1
08/13/07	Mon	04:07 PM	04	21	30	EVA-2: Install failed CMG on ESP-2
08/13/07	Mon	05:17 PM	04	22	40	EVA-2: Payload bay cleanup
08/13/07	Mon	05:42 PM	04	23	05	EVA-2: Airlock ingress
08/13/07	Mon	06:02 PM	04	23	25	EVA-2: Airlock repressurization
08/13/07	Mon	06:17 PM	04	23	40	Spacesuit servicing
08/13/07	Mon	06:22 PM	04	23	45	SSRMS walkoff lab to PDGF-2
08/13/07	Mon	07:37 PM	05	01	00	Transfer tagup
08/13/07	Mon	09:37 PM	05	03	00	ISS crew sleep begins
08/13/07	Mon	10:07 PM	05	03	30	STS crew sleep begins
Flight Day 7 (updated 8/14/07)						
08/14/07	Tue	06:37 AM	05	12	00	STS/ISS crew wakeup
08/14/07	Tue	08:17 AM	05	13	40	SRMS ESP-3 grapple
08/14/07	Tue	08:22 AM	05	13	45	BOK-3 replace/testing
08/14/07	Tue	08:32 AM	05	13	55	SRMS ESP-3 unberthing
08/14/07	Tue	09:02 AM	05	14	25	SRMS ESP-3 handoff
08/14/07	Tue	09:42 AM	05	15	05	SSRMS ESP-3 grapple
08/14/07	Tue	09:57 AM	05	15	20	SRMS ungrapples ESP-3
08/14/07	Tue	09:57 AM	05	15	20	EVA-3: Tools configured
08/14/07	Tue	10:12 AM	05	15	35	SSRMS maneuvers ESP-3 to install position
08/14/07	Tue	11:12 AM	05	16	35	ESP-3 installation
08/14/07	Tue	11:57 AM	05	17	20	SSRMS ungrapples ESP-3
08/14/07	Tue	11:57 AM	05	17	20	Spacesuit swap
08/14/07	Tue	12:12 PM	05	17	35	SSRMS WS4 configured for translation
08/14/07	Tue	12:27 PM	05	17	50	Equipment lock preps
08/14/07	Tue	12:32 PM	05	17	55	Crew meals begin
08/14/07	Tue	01:57 PM	05	19	20	EVA-3: Tools configured
08/14/07	Tue	02:02 PM	05	19	25	U.S. network interviews with Morgan, Caldwell
08/14/07	Tue	03:22 PM	05	20	45	OBSS OSE EVA-4 prep

08/14/07	Tue	04:22 PM	05	21	45	Lab window pane replacement
08/14/07	Tue	05:07 PM	05	22	30	PAO educational event
08/14/07	Tue	06:22 PM	05	23	45	EVA-3: Procedures review
08/14/07	Tue	08:32 PM	06	01	55	EVA-3: Mask pre-breathe
08/14/07	Tue	09:17 PM	06	02	40	EVA-3: Airlock depress to 10.2 psi
08/14/07	Tue	09:37 PM	06	03	00	ISS crew sleep begins
08/14/07	Tue	10:07 PM	06	03	30	STS crew sleep begins
Flight Day 8 (updated 08/15/07)						
08/15/07	Wed	06:07 AM	06	11	30	STS/ISS crew wakeup
08/15/07	Wed	06:47 AM	06	12	10	EVA-3: Airlock repress to 14.7 psi
08/15/07	Wed	07:07 AM	06	12	30	EVA-3: Hygiene break
08/15/07	Wed	07:27 AM	06	12	50	EVA-3: Airlock depress to 10.2 psi
08/15/07	Wed	07:57 AM	06	13	20	EVA-3; Campout EVA prep
08/15/07	Wed	09:27 AM	06	14	50	EVA-3: Spacesuit purge
08/15/07	Wed	09:42 AM	06	15	05	EVA-3: Spacesuit pre-breathe
08/15/07	Wed	10:32 AM	06	15	55	EVA-3: Airlock depressurization
08/15/07	Wed	11:07 AM	06	16	30	EVA-3: Airlock egress
08/15/07	Wed	11:07 AM	06	16	30	SSRMS maneuvers for SASA support
08/15/07	Wed	11:22 AM	06	16	45	EVA-3: Setup
08/15/07	Wed	11:42 AM	06	17	05	BOK-3 work
08/15/07	Wed	12:02 PM	06	17	25	EVA-3: EV1: P6 SASA relocation
08/15/07	Wed	12:02 PM	06	17	25	SSRMS SASA relocation
08/15/07	Wed	12:02 PM	06	17	25	EVA-3: EV3: P1 BSP and transponder installation
08/15/07	Wed	12:37 PM	06	18	00	Spacehab debris shields
08/15/07	Wed	01:32 PM	06	18	55	SSRMS maneuvers for CETA cart relocation
08/15/07	Wed	01:57 PM	06	19	20	EVA-3: CETA 1 move starboard
08/15/07	Wed	02:42 PM	06	20	05	Crew meals
08/15/07	Wed	02:57 PM	06	20	20	EVA-3: CETA 2 move starboard
08/15/07	Wed	03:57 PM	06	21	20	EVA-3: EV1: SASA gimbal locks
08/15/07	Wed	03:57 PM	06	21	20	EVA-3: EV3: P6 transponder retrieval
08/15/07	Wed	04:27 PM	06	21	50	EVA-3: EV1: MISSE 3 and 4 removal

08/15/07	Wed	04:57 PM	06	22	20	EVA-3: Payload bay cleanup
08/15/07	Wed	05:12 PM	06	22	35	EVA-3: Airlock ingress
08/15/07	Wed	05:32 PM	06	22	55	EVA-3: Airlock repressurization
08/15/07	Wed	05:57 PM	06	23	20	MISSE-3 transfer
08/15/07	Wed	06:17 PM	06	23	40	MISSE-4 transfer
08/15/07	Wed	07:12 PM	07	00	35	Transfer tagup
08/15/07	Wed	09:07 PM	07	02	30	ISS crew sleep begins
08/15/07	Wed	09:37 PM	07	03	00	STS crew sleep begins
Flight Day 9 (updated 8/15/07)						
08/16/07	Thu	05:37 AM	07	11	00	STS/ISS crew wakeup
08/16/07	Thu	08:07 AM	07	13	30	Educational event with Morgan
08/16/07	Thu	08:17 AM	07	13	40	EVA training and review
08/16/07	Thu	10:17 AM	07	15	40	Challenger Center PAO event
08/16/07	Thu	10:37 AM	07	16	00	Transfer operations
08/16/07	Thu	11:17 AM	07	16	40	EVA tagup with mission control
08/16/07	Thu	12:02 PM	07	17	25	Crew meals
08/16/07	Thu	01:02 PM	07	18	25	Crew off-duty time
08/16/07	Thu	03:37 PM	07	21	00	EVA tools gathered and unpacked
08/16/07	Thu	05:37 PM	07	23	00	STA-54 and emittance wash preparation for EVA-4
08/16/07	Thu	05:52 PM	07	23	15	Logistics transfer tagup
08/16/07	Thu	08:37 PM	08	02	00	ISS crew sleep begins
08/16/07	Thu	09:07 PM	08	02	30	STS crew sleep begins
Flight Day 10 (updated 8/16/07)						
08/17/07	Fri	05:07 AM	08	10	30	STS/ISS crew wakeup
08/17/07	Fri	08:12 AM	08	13	35	EVA-4 tool preparation
08/17/07	Fri	08:27 AM	08	13	50	Logistics transfers resume
08/17/07	Fri	11:02 AM	08	16	25	DAIU troubleshooting
08/17/07	Fri	01:12 PM	08	18	35	Crew photo
08/17/07	Fri	01:32 PM	08	18	55	Crew news conference

08/17/07	Fri	02:12 PM	08	19	35	Joint crew meal
08/17/07	Fri	03:12 PM	08	20	35	Logistics transfers resume
08/17/07	Fri	03:12 PM	08	20	35	Spacehab debris shields checked
08/17/07	Fri	03:32 PM	08	20	55	DAIU wrapup
08/17/07	Fri	04:07 PM	08	21	30	Spacesuit swap
08/17/07	Fri	04:37 PM	08	22	00	Equipment lock prepared
08/17/07	Fri	05:22 PM	08	22	45	Logistics transfer tagup
08/17/07	Fri	05:37 PM	08	23	00	EVA-4: Procedures review
08/17/07	Fri	07:32 PM	09	00	55	EVA-4: Mask pre-breathe and tool config
08/17/07	Fri	08:17 PM	09	01	40	EVA-4: 10.2 psi cabin depressurization
08/17/07	Fri	08:37 PM	09	02	00	ISS crew sleep begins
08/17/07	Fri	09:07 PM	09	02	30	STS crew sleep begins

Flight Day 11 (updated 8/18/07)

08/18/07	Sat	05:07 AM	09	10	30	STS/ISS crew wakeup
08/18/07	Sat	05:47 AM	09	11	10	EVA-4: Airlock repress to 14.7 psi
08/18/07	Sat	06:07 AM	09	11	30	EVA-4: Hygiene break
08/18/07	Sat	06:27 AM	09	11	50	EVA-4: Airlock depress to 10.2 psi
08/18/07	Sat	06:57 AM	09	12	20	EVA-4: Campout EVA prep
08/18/07	Sat	08:27 AM	09	13	50	EVA-4: Spacesuit purge
08/18/07	Sat	08:42 AM	09	14	05	EVA-4: Spacesuit pre-breathe
08/18/07	Sat	08:57 AM	09	14	20	Logistics transfers resume
08/18/07	Sat	09:32 AM	09	14	55	EVA-4: Crew lock depress
08/18/07	Sat	10:07 AM	09	15	30	EVA-4: Airlock egress and setup
08/18/07	Sat	10:22 AM	09	15	45	EVA-4: OBSS OSE installation
08/18/07	Sat	11:07 AM	09	16	30	Oxygen system teardown
08/18/07	Sat	11:22 AM	09	16	45	EVA-4: EV3: SASA gimbal locks
08/18/07	Sat	11:22 AM	09	16	45	EVA-4: EV3: MISSE retrieval
08/18/07	Sat	12:07 PM	09	17	30	EWIS antenna installation
08/18/07	Sat	01:47 PM	09	19	10	EVA-4: Payload bay cleanup
08/18/07	Sat	02:12 PM	09	19	35	EVA-4: Airlock ingress
08/18/07	Sat	02:32 PM	09	19	55	EVA-4: Airlock repressurization

08/18/07	Sat	02:47 PM	09	20	10	Post-EVA spacesuit servicing
08/18/07	Sat	03:02 PM	09	20	25	MISSE disassembly
08/18/07	Sat	03:22 PM	09	20	45	MISSE transfer to shuttle
08/18/07	Sat	03:47 PM	09	21	10	Spacesuit transfer to shuttle
08/18/07	Sat	03:57 PM	09	21	20	Transfer tagup
08/18/07	Sat	04:47 PM	09	22	10	Farewell ceremony
08/18/07	Sat	05:02 PM	09	22	25	Hatches closed
08/18/07	Sat	05:27 PM	09	22	50	Rendezvous tools checkout
08/18/07	Sat	05:27 PM	09	22	50	Leak checks
08/18/07	Sat	08:07 PM	10	01	30	ISS crew sleep begins
08/18/07	Sat	08:37 PM	10	02	00	STS crew sleep begins
Flight Day 12 (updated 8/19/07)						
08/19/07	Sun	04:37 AM	10	10	00	STS crew wakeup
08/19/07	Sun	06:17 AM	10	11	40	Group B computer power up
08/19/07	Sun	06:33 AM	10	11	56	Sunrise
08/19/07	Sun	07:01 AM	10	12	24	Noon
08/19/07	Sun	07:12 AM	10	12	35	Undocking timeline begins
08/19/07	Sun	07:28 AM	10	12	51	Sunset
08/19/07	Sun	07:57 AM	10	13	20	Undocking
08/19/07	Sun	07:57 AM	10	13	20	Initial orbiter separation (+10 seconds)
08/19/07	Sun	07:58 AM	10	13	21	ISS holds current attitude
08/19/07	Sun	08:01 AM	10	13	24	Range: 50 feet; reselect -X jets
08/19/07	Sun	08:02 AM	10	13	25	Range: 75 feet; low-Z jets
08/19/07	Sun	08:05 AM	10	13	28	Sunrise
08/19/07	Sun	08:26 AM	10	13	49	Range: 400 feet
08/19/07	Sun	08:26 AM	10	13	49	Separation burn No. 1
08/19/07	Sun	08:32 AM	10	13	55	Range: 600 feet
08/19/07	Sun	08:32 AM	10	13	55	Noon
08/19/07	Sun	08:54 AM	10	14	17	Separation burn No. 2
08/19/07	Sun	09:00 AM	10	14	23	Sunset
08/19/07	Sun	09:02 AM	10	14	25	PMA-2 depressurization

08/19/07	Sun	09:07 AM	10	14	30	Group B computer power down
08/19/07	Sun	09:07 AM	10	14	30	Post-undocking computer reconfiguration
08/19/07	Sun	09:07 AM	10	14	30	Supply transfer cleanup
08/19/07	Sun	09:27 AM	10	14	50	SRMS unberths OBSS
08/19/07	Sun	10:17 AM	10	15	40	OBSS starboard wing survey
08/19/07	Sun	10:52 AM	10	16	15	Spacesuit install in airlock
08/19/07	Sun	11:02 AM	10	16	25	EVA tool stow
08/19/07	Sun	11:57 AM	10	17	20	OBSS nose cap survey
08/19/07	Sun	12:57 PM	10	18	20	OBSS port wing survey
08/19/07	Sun	01:27 PM	10	18	50	ISS: PMA-2 leak check
08/19/07	Sun	02:42 PM	10	20	05	OBSS berthing
08/19/07	Sun	03:17 PM	10	20	40	SRMS power down
08/19/07	Sun	03:27 PM	10	20	50	LDRI downlink
08/19/07	Sun	03:32 PM	10	20	55	Crew meal
08/19/07	Sun	04:32 PM	10	21	55	Crew off duty
08/19/07	Sun	08:37 PM	11	02	00	STS crew sleep begins
Flight Day 13 (FD-13 through landing updated 8/18/07)						
08/20/07	Mon	04:37 AM	11	10	00	Crew wakeup
08/20/07	Mon	07:42 AM	11	13	05	Cabin stow begins
08/20/07	Mon	08:02 AM	11	13	25	FCS checkout
08/20/07	Mon	09:12 AM	11	14	35	RCS hotfire
08/20/07	Mon	09:27 AM	11	14	50	Deorbit review
08/20/07	Mon	11:42 AM	11	17	05	PILOT landing practice
08/20/07	Mon	12:42 PM	11	18	05	CSA PAO event
08/20/07	Mon	02:12 PM	11	19	35	Crew meal
08/20/07	Mon	03:12 PM	11	20	35	Cabin stow resumes
08/20/07	Mon	05:27 PM	11	22	50	Ergometer stow
08/20/07	Mon	05:47 PM	11	23	10	KU antenna stow
08/20/07	Mon	06:37 PM	12	00	00	Orbit adjust rocket firing
08/20/07	Mon	08:37 PM	12	02	00	Crew sleep begins

						Flight Day 14
08/21/07	Tue	04:37 AM	12	10	00	Crew wakeup
08/21/07	Tue	06:57 AM	12	12	20	Group B computer powerup
08/21/07	Tue	07:12 AM	12	12	35	Inertial measurement unit alignment
08/21/07	Tue	07:30 AM	12	12	53	Deorbit timeline begins
08/21/07	Tue	11:27 AM	12	16	50	Deorbit ignition
08/21/07	Tue	12:29 PM	12	17	52	Landing
						Compiled by William Harwood