

STS-107/Spacehab DM			SpaceCalc Shuttle Mission Planner			
Eastern Time	DD	HH	MM	STS-107 Master Flight Plan: Updated 01/24/03		
01/16/03 Thu 10:39 AM	00	00	00	STS-107 launch		
01/16/03 Thu 10:48 AM	00	00	09	Main engine cutoff		
01/16/03 Thu 11:29 AM	00	00	50	OMS-2 burn to circularize orbit		
01/16/03 Thu 11:29 AM	00	00	50	Begin post insertion timeline		
01/16/03 Thu 12:09 PM	00	01	30	Payload bay door opening		
01/16/03 Thu 01:09 PM	00	02	30	Radiator deploy		
01/16/03 Thu 01:09 PM	00	02	30	Spacehab activation begins		
01/16/03 Thu 01:09 PM	00	02	30	SEE setup		
01/16/03 Thu 01:24 PM	00	02	45	Group B computer powerdown to conserve power		
01/16/03 Thu 01:34 PM	00	02	55	Color printer setup		
01/16/03 Thu 01:39 PM	00	03	00	GIRA installation		
01/16/03 Thu 02:39 PM	00	04	00	Spacehab setup (part 1)		
01/16/03 Thu 02:39 PM	00	04	00	Blue shift sleep begins		
01/16/03 Thu 02:59 PM	00	04	20	SOLSE activation; ARMS setup		
01/16/03 Thu 03:54 PM	00	05	15	Red shift meals begin		
01/16/03 Thu 03:59 PM	00	05	20	MEIDEX computer setup		
01/16/03 Thu 04:39 PM	00	06	00	Spacehab setup (part 2)		
01/16/03 Thu 04:59 PM	00	06	20	Animal Enclosure Module (AEM) check		
01/16/03 Thu 04:59 PM	00	06	20	Spacehab activation (part 3)		
01/16/03 Thu 05:49 PM	00	07	10	MCC: STAR operations		
01/16/03 Thu 06:19 PM	00	07	40	Elevon park		
01/16/03 Thu 08:39 PM	00	10	00	Blue shift wakeup		
01/16/03 Thu 09:09 PM	00	10	30	Shift handover		
01/16/03 Thu 09:39 PM	00	11	00	Red shift sleep begins		
01/16/03 Thu 10:39 PM	00	12	00	Spacehab setup (part 4)		
01/16/03 Thu 11:54 PM	00	13	15	Refrigerator activation		
01/16/03 Thu 11:59 PM	00	13	20	Local area network setup		

	01/17/03	Fri	12:19 AM	00	13	40	ARMS ergometer setup
	01/17/03	Fri	12:49 AM	00	14	10	MEIDEX checkout
	01/17/03	Fri	04:29 AM	00	17	50	Blue shift meals begin
	01/17/03	Fri	05:39 AM	00	19	00	Red shift wakeup
	01/17/03	Fri	06:04 AM	00	19	25	MEIDEX operations begin
	01/17/03	Fri	07:14 AM	00	20	35	Brown exercises
	01/17/03	Fri	07:39 AM	00	21	00	Red shift science ops begin
	01/17/03	Fri	07:49 AM	00	21	10	McCool exercises
	01/17/03	Fri	08:19 AM	00	21	40	Husband exercises
	01/17/03	Fri	10:09 AM	00	23	30	Shift handover
	01/17/03	Fri	11:39 AM	01	01	00	Blue shift sleep begins
	01/17/03	Fri	12:44 PM	01	02	05	MEM setup
	01/17/03	Fri	01:24 PM	01	02	45	MEM activation 1
	01/17/03	Fri	01:44 PM	01	03	05	Red shift meals begin
	01/17/03	Fri	06:09 PM	01	07	30	Crew choice video downlink
	01/17/03	Fri	06:19 PM	01	07	40	Ramon exercises
	01/17/03	Fri	06:44 PM	01	08	05	Clark exercises
	01/17/03	Fri	07:39 PM	01	09	00	Blue shift wakeup
	01/17/03	Fri	08:34 PM	01	09	55	Shift handover
	01/17/03	Fri	09:04 PM	01	10	25	Blue shift science ops begin
	01/17/03	Fri	09:39 PM	01	11	00	Red shift sleep begins
	01/17/03	Fri	11:14 PM	01	12	35	McCool exercises
	01/17/03	Fri	11:34 PM	01	12	55	Brown breakfast
	01/18/03	Sat	01:59 AM	01	15	20	McCool, Anderson meal
	01/18/03	Sat	04:19 AM	01	17	40	Brown meal
	01/18/03	Sat	05:39 AM	01	19	00	Red shift wakeup
	01/18/03	Sat	07:04 AM	01	20	25	Shift handover
	01/18/03	Sat	07:04 AM	01	20	25	Shift handover
	01/18/03	Sat	10:39 AM	02	00	00	Husband exercises
	01/18/03	Sat	10:39 AM	02	00	00	Blue shift sleep begins
	01/18/03	Sat	01:29 PM	02	02	50	Red shift meals begin
	01/18/03	Sat	03:04 PM	02	04	25	Red shift interviews: CBS News, CNN, Fox News

	01/18/03	Sat	04:24 PM	02	05	45	Chawla exercises
	01/18/03	Sat	05:14 PM	02	06	35	Crew choice video downlink (Husband)
	01/18/03	Sat	06:39 PM	02	08	00	Blue shift wakeup
	01/18/03	Sat	08:09 PM	02	09	30	Shift handover
	01/18/03	Sat	09:39 PM	02	11	00	Red shift sleep begins
	01/18/03	Sat	09:39 PM	02	11	00	Blue shift science ops begin
	01/18/03	Sat	09:39 PM	02	11	00	Anderson exercises
	01/18/03	Sat	10:39 PM	02	12	00	McCool exercises
	01/18/03	Sat	11:44 PM	02	13	05	Brown exercises
	01/19/03	Sun	01:29 AM	02	14	50	Blue shift meals begin
	01/19/03	Sun	05:39 AM	02	19	00	Red shift wakeup
	01/19/03	Sun	07:19 AM	02	20	40	Shift handover
	01/19/03	Sun	07:19 AM	02	20	40	Shift handover
	01/19/03	Sun	07:39 AM	02	21	00	Red shift science ops begin
	01/19/03	Sun	08:34 AM	02	21	55	Ramon exercises
	01/19/03	Sun	09:39 AM	02	23	00	Husband exercises
	01/19/03	Sun	09:39 AM	02	23	00	Blue shift sleep begins
	01/19/03	Sun	11:39 AM	03	01	00	Red shift meals begin
	01/19/03	Sun	02:19 PM	03	03	40	Crew choice video downlink: Chawla
	01/19/03	Sun	05:39 PM	03	07	00	Blue shift wakeup
	01/19/03	Sun	07:59 PM	03	09	20	Shift handover
	01/19/03	Sun	08:29 PM	03	09	50	Blue shift media interviews
	01/19/03	Sun	08:49 PM	03	10	10	McCool exercises
	01/19/03	Sun	09:39 PM	03	11	00	Red shift sleep begins
	01/19/03	Sun	09:39 PM	03	11	00	Anderson exercises
	01/19/03	Sun	11:24 PM	03	12	45	Crew choice video downlink: Brown
	01/20/03	Mon	12:19 AM	03	13	40	Brown exercises
	01/20/03	Mon	01:24 AM	03	14	45	Blue shift meals begin
	01/20/03	Mon	05:39 AM	03	19	00	Red shift wakeup
	01/20/03	Mon	07:24 AM	03	20	45	Shift handover
	01/20/03	Mon	07:54 AM	03	21	15	Chawla exercises

01/20/03	Mon	08:14 AM	03	21	35	Red shift science ops begin
01/20/03	Mon	09:09 AM	03	22	30	Blue shift sleep begins
01/20/03	Mon	09:39 AM	03	23	00	Husband exercises
01/20/03	Mon	11:34 AM	04	00	55	Clark exercises
01/20/03	Mon	01:09 PM	04	02	30	Red shift meals begin
01/20/03	Mon	05:09 PM	04	06	30	Blue shift wakeup
01/20/03	Mon	07:24 PM	04	08	45	Shift handover
01/20/03	Mon	07:54 PM	04	09	15	Blue shift science ops begin
01/20/03	Mon	08:04 PM	04	09	25	Anderson exercises
01/20/03	Mon	09:09 PM	04	10	30	Red shift sleep begins
01/20/03	Mon	10:04 PM	04	11	25	Brown exercises
01/21/03	Tue	12:59 AM	04	14	20	Blue shift meals begin
01/21/03	Tue	03:24 AM	04	16	45	McCool exercises
01/21/03	Tue	05:09 AM	04	18	30	Red shift wakeup
01/21/03	Tue	06:39 AM	04	20	00	Shift handover
01/21/03	Tue	07:44 AM	04	21	05	Red shift science ops begin
01/21/03	Tue	08:39 AM	04	22	00	Chawla exercises
01/21/03	Tue	08:39 AM	04	22	00	Blue shift sleep begins
01/21/03	Tue	10:39 AM	05	00	00	Israeli media interviews
01/21/03	Tue	11:24 AM	05	00	45	Red shift meals begin
01/21/03	Tue	02:24 PM	05	03	45	Ramon exercises
01/21/03	Tue	03:49 PM	05	05	10	Clark exercises
01/21/03	Tue	04:39 PM	05	06	00	Blue shift wakeup
01/21/03	Tue	06:24 PM	05	07	45	Shift handover
01/21/03	Tue	06:54 PM	05	08	15	Blue shift science ops begin
01/21/03	Tue	07:34 PM	05	08	55	Anderson exercises
01/21/03	Tue	08:04 PM	05	09	25	Brown exercises
01/21/03	Tue	08:39 PM	05	10	00	Red shift sleep begins
01/21/03	Tue	09:09 PM	05	10	30	Crew choice video downlink: Anderson
01/22/03	Wed	12:09 AM	05	13	30	Blue shift meals begin
01/22/03	Wed	01:09 AM	05	14	30	Blue shift off duty time begins

	01/22/03	Wed	04:39 AM	05	18	00	Red shift wakeup
	01/22/03	Wed	06:09 AM	05	19	30	Shift handover
	01/22/03	Wed	06:39 AM	05	20	00	Red shift off duty time begins
	01/22/03	Wed	08:09 AM	05	21	30	Blue shift sleep begins
	01/22/03	Wed	11:39 AM	06	01	00	Red shift meals begin
	01/22/03	Wed	12:39 PM	06	02	00	Red shift science ops resume
	01/22/03	Wed	01:39 PM	06	03	00	Ramon exercises
	01/22/03	Wed	04:09 PM	06	05	30	Chawla exercises
	01/22/03	Wed	04:09 PM	06	05	30	Blue shift wakeup
	01/22/03	Wed	04:54 PM	06	06	15	Husband exercises
	01/22/03	Wed	06:04 PM	06	07	25	Shift handover
	01/22/03	Wed	06:34 PM	06	07	55	Blue shift science ops begin
	01/22/03	Wed	08:09 PM	06	09	30	Red shift sleep begins
	01/22/03	Wed	10:14 PM	06	11	35	Anderson exercises
	01/22/03	Wed	11:49 PM	06	13	10	Blue shift meals begin
	01/23/03	Thu	04:09 AM	06	17	30	Red shift wakeup
	01/23/03	Thu	04:39 AM	06	18	00	McCool exercises
	01/23/03	Thu	05:39 AM	06	19	00	Shift handover
	01/23/03	Thu	06:04 AM	06	19	25	Red shift science ops begin
	01/23/03	Thu	07:39 AM	06	21	00	Blue shift sleep begins
	01/23/03	Thu	09:54 AM	06	23	15	Clark exercises
	01/23/03	Thu	10:54 AM	07	00	15	Red shift meals begin
	01/23/03	Thu	03:39 PM	07	05	00	Blue shift wakeup
	01/23/03	Thu	03:49 PM	07	05	10	Husband exercises
	01/23/03	Thu	04:39 PM	07	06	00	Chawla exercises
	01/23/03	Thu	05:39 PM	07	07	00	Shift handover
	01/23/03	Thu	06:09 PM	07	07	30	Blue shift science ops begin
	01/23/03	Thu	07:39 PM	07	09	00	Red shift sleep begins
	01/23/03	Thu	09:54 PM	07	11	15	Blue shift meals begin
	01/24/03	Fri	12:29 AM	07	13	50	Brown exercises
	01/24/03	Fri	03:39 AM	07	17	00	Red shift wakeup

	01/24/03	Fri	05:14 AM	07	18	35	Shift handover
	01/24/03	Fri	05:59 AM	07	19	20	Red shift science ops begin
	01/24/03	Fri	07:39 AM	07	21	00	Blue shift sleep begins
	01/24/03	Fri	08:54 AM	07	22	15	Chawla exercises
	01/24/03	Fri	10:39 AM	08	00	00	Red shift meals begin
	01/24/03	Fri	03:24 PM	08	04	45	Husband exercises
	01/24/03	Fri	03:39 PM	08	05	00	Blue shift wakeup
	01/24/03	Fri	04:19 PM	08	05	40	Ramon exercises
	01/24/03	Fri	05:19 PM	08	06	40	Shift handover
	01/24/03	Fri	05:49 PM	08	07	10	Blue shift science ops begin
	01/24/03	Fri	05:49 PM	08	07	10	McCool exercises
	01/24/03	Fri	07:39 PM	08	09	00	Red shift sleep begins
	01/24/03	Fri	10:39 PM	08	12	00	Blue shift meals begin
	01/25/03	Sat	01:49 AM	08	15	10	Blue shift media interviews: BET/WTKR-TV/KNSD-TV
	01/25/03	Sat	02:09 AM	08	15	30	Brown exercises
	01/25/03	Sat	02:54 AM	08	16	15	Anderson exercises
	01/25/03	Sat	03:24 AM	08	16	45	McCool exercises
	01/25/03	Sat	03:39 AM	08	17	00	Red shift wakeup
	01/25/03	Sat	05:14 AM	08	18	35	Shift handover
	01/25/03	Sat	06:09 AM	08	19	30	Red shift science ops begin
	01/25/03	Sat	07:39 AM	08	21	00	Blue shift sleep begins
	01/25/03	Sat	09:09 AM	08	22	30	Clark exercises
	01/25/03	Sat	09:49 AM	08	23	10	Ramon exercises
	01/25/03	Sat	10:39 AM	09	00	00	Red shift meals begin
	01/25/03	Sat	01:49 PM	09	03	10	Crew choice video downlink: Husband
	01/25/03	Sat	03:19 PM	09	04	40	Husband exercises
	01/25/03	Sat	03:39 PM	09	05	00	Blue shift wakeup
	01/25/03	Sat	04:14 PM	09	05	35	Chawla exercises
	01/25/03	Sat	05:14 PM	09	06	35	Shift handover
	01/25/03	Sat	06:09 PM	09	07	30	Brown exercises
	01/25/03	Sat	06:14 PM	09	07	35	Blue shift science ops begin
	01/25/03	Sat	07:39 PM	09	09	00	Red shift sleep begins

	01/25/03	Sat	09:54 PM	09	11	15	Blue shift meals begin
	01/26/03	Sun	03:14 AM	09	16	35	McCool exercises
	01/26/03	Sun	03:39 AM	09	17	00	Red shift wakeup
	01/26/03	Sun	05:19 AM	09	18	40	Shift handover
	01/26/03	Sun	05:49 AM	09	19	10	Red shift science ops begin
	01/26/03	Sun	07:39 AM	09	21	00	Blue shift sleep begins
	01/26/03	Sun	08:34 AM	09	21	55	Crew choice video downlink: Ramon
	01/26/03	Sun	09:19 AM	09	22	40	Husband exercises
	01/26/03	Sun	11:29 AM	10	00	50	Red shift meals begin
	01/26/03	Sun	03:39 PM	10	05	00	Blue shift wakeup
	01/26/03	Sun	04:19 PM	10	05	40	Clark exercises
	01/26/03	Sun	05:19 PM	10	06	40	Shift handover
	01/26/03	Sun	05:49 PM	10	07	10	Blue shift science ops begin
	01/26/03	Sun	06:09 PM	10	07	30	McCool exercises
	01/26/03	Sun	06:54 PM	10	08	15	Anderson exercises
	01/26/03	Sun	07:39 PM	10	09	00	Red shift sleep begins
	01/26/03	Sun	10:39 PM	10	12	00	Blue shift meals begin
	01/27/03	Mon	03:39 AM	10	17	00	Red shift wakeup
	01/27/03	Mon	05:09 AM	10	18	30	Shift handover
	01/27/03	Mon	06:39 AM	10	20	00	Radiator deploy
	01/27/03	Mon	06:44 AM	10	20	05	Red shift science ops begin
	01/27/03	Mon	06:54 AM	10	20	15	Husband exercises
	01/27/03	Mon	07:29 AM	10	20	50	Ramon exercises
	01/27/03	Mon	07:39 AM	10	21	00	Blue shift sleep begins
	01/27/03	Mon	09:19 AM	10	22	40	Clark exercises
	01/27/03	Mon	11:04 AM	11	00	25	Red shift meals begin
	01/27/03	Mon	12:24 PM	11	01	45	Columbia/ISS ship-to-ship call
	01/27/03	Mon	02:09 PM	11	03	30	Chawla exercises
	01/27/03	Mon	03:39 PM	11	05	00	Blue shift wakeup
	01/27/03	Mon	05:39 PM	11	07	00	Shift handover
	01/27/03	Mon	05:59 PM	11	07	20	Blue shift off duty time begins

	01/27/03	Mon	07:39 PM	11	09	00	Red shift sleep begins
	01/27/03	Mon	10:39 PM	11	12	00	Blue shift meals begin
	01/28/03	Tue	01:14 AM	11	14	35	Anderson exercises
	01/28/03	Tue	01:44 AM	11	15	05	McCool exercises
	01/28/03	Tue	02:44 AM	11	16	05	Brown exercises
	01/28/03	Tue	03:39 AM	11	17	00	Red shift wakeup
	01/28/03	Tue	05:34 AM	11	18	55	Shift handover
	01/28/03	Tue	06:04 AM	11	19	25	Red shift off duty time begins
	01/28/03	Tue	07:39 AM	11	21	00	Blue shift sleep begins
	01/28/03	Tue	10:39 AM	12	00	00	Red shift meals begin
	01/28/03	Tue	01:14 PM	12	02	35	Clark exercises
	01/28/03	Tue	02:04 PM	12	03	25	Ramon exercises
	01/28/03	Tue	03:39 PM	12	05	00	Blue shift wakeup
	01/28/03	Tue	05:09 PM	12	06	30	Shift handover
	01/28/03	Tue	06:09 PM	12	07	30	Blue shift science ops begin
	01/28/03	Tue	06:39 PM	12	08	00	Red shift sleep begins
	01/28/03	Tue	09:19 PM	12	10	40	Anderson exercises
	01/28/03	Tue	10:04 PM	12	11	25	Blue shift meals begin
	01/29/03	Wed	01:09 AM	12	14	30	McCool exercises
	01/29/03	Wed	02:39 AM	12	16	00	Red shift wakeup
	01/29/03	Wed	04:39 AM	12	18	00	Shift handover
	01/29/03	Wed	05:29 AM	12	18	50	Crew news conference
	01/29/03	Wed	06:14 AM	12	19	35	Husband exercises
	01/29/03	Wed	07:39 AM	12	21	00	Blue shift sleep begins
	01/29/03	Wed	10:04 AM	12	23	25	Red shift meals begin
	01/29/03	Wed	11:59 AM	13	01	20	Crew choice video downlink: Husband
	01/29/03	Wed	01:29 PM	13	02	50	Chawla exercises
	01/29/03	Wed	03:39 PM	13	05	00	Blue shift wakeup
	01/29/03	Wed	05:09 PM	13	06	30	Shift handover
	01/29/03	Wed	06:19 PM	13	07	40	Blue shift science ops begin
	01/29/03	Wed	06:39 PM	13	08	00	Red shift sleep begins



01/29/03	Wed	10:09 PM	13	11	30	Blue shift meals begin
01/29/03	Wed	11:34 PM	13	12	55	Blue shift media interviews: NPR/KXLY-TV/KFMB-TV
01/30/03	Thu	12:24 AM	13	13	45	McCool exercises
01/30/03	Thu	02:39 AM	13	16	00	Red shift wakeup
01/30/03	Thu	03:09 AM	13	16	30	Anderson exercises
01/30/03	Thu	04:49 AM	13	18	10	Shift handover
01/30/03	Thu	05:19 AM	13	18	40	PILOT landing practice (Husband/Chawla)
01/30/03	Thu	05:19 AM	13	18	40	PILOT landing practice (McCool)
01/30/03	Thu	07:16 AM	13	20	37	Orbit adjustment rocket firing
01/30/03	Thu	08:39 AM	13	22	00	Blue shift sleep begins
01/30/03	Thu	08:54 AM	13	22	15	Clark exercises
01/30/03	Thu	10:24 AM	13	23	45	Red shift meals begin
01/30/03	Thu	11:49 AM	14	01	10	Crew choice video downlink: Clark
01/30/03	Thu	12:19 PM	14	01	40	Chawla exercises
01/30/03	Thu	12:49 PM	14	02	10	Husband exercises
01/30/03	Thu	04:39 PM	14	06	00	Blue shift wakeup
01/30/03	Thu	05:09 PM	14	06	30	Shift handover
01/30/03	Thu	05:39 PM	14	07	00	Red shift sleep begins
01/30/03	Thu	07:04 PM	14	08	25	McCool exercises
01/30/03	Thu	07:34 PM	14	08	55	Brown exercises
01/30/03	Thu	08:04 PM	14	09	25	Anderson exercises
01/30/03	Thu	08:34 PM	14	09	55	ARMS teardown
01/30/03	Thu	11:24 PM	14	12	45	Blue shift meals begin
01/31/03	Fri	01:39 AM	14	15	00	Red shift wakeup
01/31/03	Fri	01:54 AM	14	15	15	MIST shutdown
01/31/03	Fri	03:39 AM	14	17	00	PILOT landing practice (Husband/Chawla)
01/31/03	Fri	03:39 AM	14	17	00	PILOT landing practice (McCool)
01/31/03	Fri	04:44 AM	14	18	05	Deorbit review
01/31/03	Fri	05:14 AM	14	18	35	Flight control system checkout
01/31/03	Fri	05:34 AM	14	18	55	Cabin stow begins
01/31/03	Fri	06:24 AM	14	19	45	Reaction control system hotfire

01/31/03	Fri	06:39 AM	14	20	00	Clark exercises
01/31/03	Fri	07:09 AM	14	20	30	Husband exercises
01/31/03	Fri	08:39 AM	14	22	00	Chawla exercises
01/31/03	Fri	08:39 AM	14	22	00	Blue shift sleep begins
01/31/03	Fri	09:19 AM	14	22	40	Ramon exercises
01/31/03	Fri	11:39 AM	15	01	00	Red shift meals begin
01/31/03	Fri	12:39 PM	15	02	00	Cabin stow resumes
01/31/03	Fri	01:54 PM	15	03	15	Zeolite crystal growth stow
01/31/03	Fri	04:39 PM	15	06	00	Blue shift wakeup
01/31/03	Fri	05:09 PM	15	06	30	Shift handover
01/31/03	Fri	05:39 PM	15	07	00	Red shift sleep begins
01/31/03	Fri	06:54 PM	15	08	15	Anderson exercises
01/31/03	Fri	07:34 PM	15	08	55	McCool exercises
01/31/03	Fri	07:39 PM	15	09	00	Cabin stow resumes
01/31/03	Fri	08:14 PM	15	09	35	Spacehab teardown begins
01/31/03	Fri	08:19 PM	15	09	40	Brown exercises
01/31/03	Fri	09:09 PM	15	10	30	Ergometer stow
02/01/03	Sat	12:29 AM	15	13	50	Spacehab entry preps
02/01/03	Sat	01:39 AM	15	15	00	Red shift wakeup
02/01/03	Sat	01:59 AM	15	15	20	Printer stow
02/01/03	Sat	02:14 AM	15	15	35	Group B computer powerup
02/01/03	Sat	02:54 AM	15	16	15	IMU alignment
02/01/03	Sat	03:34 AM	15	16	55	GIRA stow
02/01/03	Sat	03:49 AM	15	17	10	Begin deorbit timeline
02/01/03	Sat	05:38 AM	15	18	59	Payload bay door closing
02/01/03	Sat	08:18 AM	15	21	39	Deorbit ignition (rev. 255)
02/01/03	Sat	09:15 AM	15	22	36	Landing (rev. 256)

**Compiled by William Harwood**