

HST SM4 Overview Timeline with FD09 EVA Prep (Draft Timeline)

11 Day Mission (5 EVAs)

		MET	0/-11	-10	-9	-8	-7	-6	-5	-4	-3	-2	-1	00/0	1	2	3	4	5	6	7	8	9	10	11	12	13																												
FD 01	STS													ASC	Post Insert		RMS C/O				SLEEP																																		
	Orb Att													ASC	-ZLV +XVV	NC-1						-ZLV -XVV																																	
FD 02	STS		SLP			EMU c/o, P/TV Setup				Meal	RNDZ Prep, FSS									SLEEP																																			
	Orb Att		-ZLV -XVV	NC-2											Port	Tile2	Berth	SVY					-ZLV -XVV																																
FD 03	STS				RNDZ						Berth	SRMS SVY		EVA PROC RVW						SLEEP																																			
	Orb Att		DUMP									FREE	Batt Chg								-ZLV -XVV																																		
		HST Att																												RNDZ		CAPT	Berth	-V3 Axis FWD																					
		Grapple ^																																																					
FD 04	STS			EVA Prep	EVA 1							Post EVA	RVW								SLEEP																																		
	Orb Att			-ZLV -XVV		Sun Protect						Batt Chg	RSU FT								-ZLV -XVV																																		
		HST Att																												-V3 Axis FWD																									
FD 05	STS			EVA Prep	EVA 2							Post EVA	RVW								SLEEP																																		
	Orb Att			-ZLV -XVV		Sun Protect						Batt Chg	DUMP								-ZLV -XVV																																		
		HST Att																												-V3 Axis FWD			-V2 Axis FWD				-V3 Axis FWD																		
FD 06	STS			EVA Prep	EVA 3							Post EVA	RVW								SLEEP																																		
	Orb Att			-ZLV -XVV		Sun Protect															-ZLV -XVV																																		
		HST Att																												-V3 Axis FWD						+V2 Axis FWD						-V3 Axis FWD													
FD 07	STS			EVA Prep	EVA 4							Post EVA	RVW								SLEEP																																		
	Orb Att			-ZLV -XVV		Sun Protect						Batt Chg	DUMP								-ZLV -XVV																																		
		HST Att																												-V3 Axis FWD			+V2 Axis FWD				135 Deg FWD			-V3 Axis FWD															
FD 08	STS			EVA Prep	EVA 5							Post EVA	GRPL								SLEEP																																		
	Orb Att			-ZLV -XVV		Sun Protect						Reboost									-ZLV -XVV																																		
		HST Att																												-V3 Axis FWD			+V2 Axis FWD				+V3 Axis FWD						-V3 Axis FWD				Batt Chg								
FD 09	STS			HST Release Ops		FSS Stow	Meal	OBSS Unberth, STBD and Nosecap Surveys													SLEEP																																		
	Orb Att			Batt Chg	RELEASE	SEP			-ZLV -XVV							DUMP				-ZLV -XVV																																			
		HST Att																												-V3 FWD		RMS																							
		Release ^																																																					
FD 10	STS			Port Survey, OBSS Berth	Crew Conf	CBN STO	Meal	OFF DUTY													SLEEP																																		
	Orb Att								-ZLV -XVV																																														
FD 11	STS			Filter Clean	FCS C/O	RCS	CBN STO	PA O	Meal	Berth	Cabin Stow	OFF DUTY	Pilot Ops							SLEEP																																			
	Orb Att																			-ZLV -XVV																																			
FD 12	STS			IMU	Deorbit Prep				Entry																																														
	Orb Att				-XSI/ENTRY																																																		

TIG ^ ^ KSC LANDING