

GMT 05/27/00
BETA ANG = -11.29
MET Day 008

FD09											FD10										
CDR J. HALSELL											DSO 493 POST SLEEP POST SLEEP •										
PLT S. HOROWITZ											DSO 493 POST SLEEP										
MS1 M. WEBER											DSO 493 POST SLEEP - SH ◇										
MS2 J. WILLIAMS											DSO 493 POST SLEEP										
MS3 J. VOSS											POST SLEEP										
MS4 S. HELMS											POST SLEEP										
MS5 Y. USACHEV											POST SLEEP - GIRA										
MCC-H																					
DAY/NIGHT																					
ORBIT																					
DAILY ORBIT																					
TDRS																					
GND																					
STS ATT																					
SOAR																					
NOTES																					

REPLANNED

05/27/00 14:22:10

GMT 05/27/00
BETA ANG = -13.22
MET Day 008

Day 006																																		
FD10		CDR J. HALSELL		* SLM #3	MSNOVAR	EXERCISE		FCS C/O		RCSH/F	FSUOARR	CSATBOWIN	MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	PILOT OPS	SOAR CABIN STOW		SMNLNVR	SLM #4		CABIN STOW	PMCA/G	HMDV	HUDCAL	LCOMM	23:11 OA BURN		-MZN	DTOLVR	623STO	PSRLEEP
PLT S. HOROWITZ				POST SLEEP		* CABIN STOW	PILOT SETUP	FCS C/O		RCSH/F	⊕	P/TV 04 S/U	MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	PILOT OPS	COMM*	FILTER CLEANING		FCMS OPS		LCOMM	EXERCISE		ERGO STOW		OA BURN		PRE SLEEP			
MS1 M. WEBER				EXERCISE	♥	▲	POST SLEEP		⊕	SPACEHAB STOW		Δ	CABIN STOW		⊗	MEAL		♦	CREW PHOTO	CREW CONF	D/O BRIEF	CABIN STOW	•	CABIN STOW			SOAR DEACT & STOW		SHAB MOD TEARDOWN		CABIN STOW	PRE SLEEP - SH		
MS2 J. WILLIAMS				POST SLEEP		CABIN STOW		FCS C/O		RCSH/F	CSATBOWIN	P/TV 04 S/U	MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	PILOT OPS	POST EVA ENT PREP		EXERCISE		CABIN STOW		KST-OBWD		OCA S-BD S/U		PRE SLEEP					
MS3 J. VOSS				POST SLEEP		SPACEHAB STOW		EXERCISE		CABIN STOW		MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	CABIN STOW	POST EVA ENT PREP		CABIN STOW				POD 9 EACT		PRE SLEEP								
MS4 S. HELMS				POST SLEEP		SPACEHAB STOW		CABIN STOW		MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	EXERCISE		CABIN STOW		MWDIECSACT		CABIN STOW		ERGO STOW		CABIN STOW	PRE SLEEP								
MS5 Y. USACHEV				POST SLEEP - GIRA		⊕	BIO TUBE #1	SPACEHAB STOW		CABIN STOW		MEAL		CREW PHOTO	CREW CONF	D/O BRIEF	CABIN STOW	EXERCISE		CABIN STOW	▼	SHAB MOD TEARDOWN		CABIN STOW	PRE SLEEP - GIRA									
MCC-H																																		
DAY/NIGHT ORBIT																																		
DAILY ORBIT																																		
TDRS																																		
GND																																		
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2-19																																		

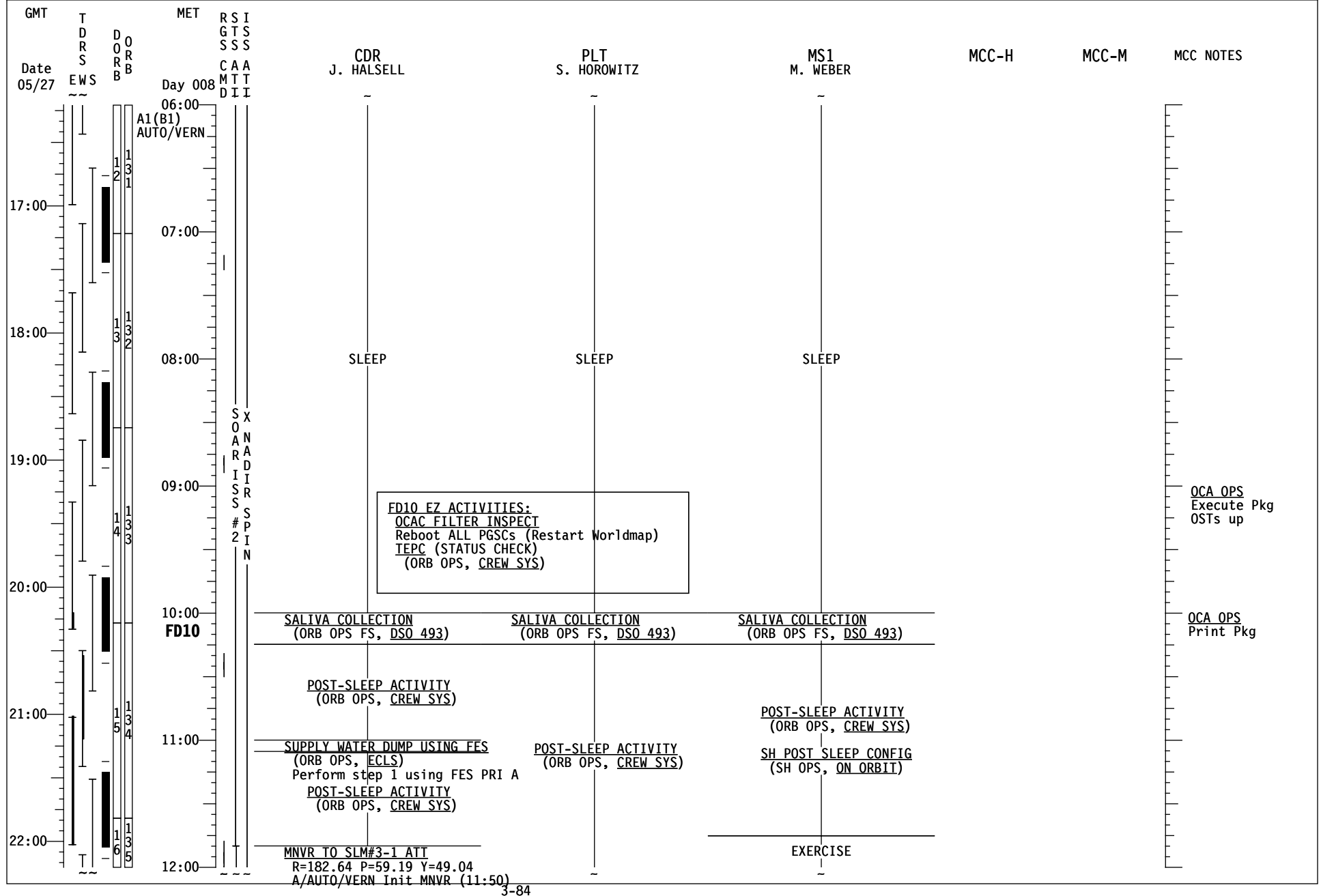
REPLANNED

GMT 05/28/00
BETA ANG = -15.05
MET Day 009

FD10												FD11					
CDR J. HALSELL	PRE SLEEP	SLEEP										DSO 493	POST SLEEP				
PLT S. HOROWITZ	PRE SLEEP	SLEEP										DSO 493	POST SLEEP				
MS1 M. WEBER	PRE SLEEP - SH	SLEEP										DSO 493	POST SLEEP - SH				
MS2 J. WILLIAMS	PRE SLEEP	SLEEP										DSO 493	POST SLEEP				
MS3 J. VOSS	PRE SLEEP	SLEEP										POST SLEEP					
MS4 S. HELMS	PRE SLEEP	SLEEP												POST SLEEP			
MS5 Y. USACHEV	PRE SLEEP - GIRA	SLEEP										POST SLEEP - GIRA					
MCC-H																	
DAY/NIGHT																	
ORBIT		143		144		145		146		147		148		149		150	
DAILY ORBIT		8		9		10		11		12		13		14		15	
TDRS E W Z																	
GND																	
STS ATT																	
SOAR																	
NOTES		REPLANNED															

2-20

STS-101 (FD09) REPLANNED



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05/27/00 14:22:10
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A SOAR SLM #31. IMU ALIGN-S TRK (ORB OPS)

-Z: 37 AVAIL: 11:41 TO 12:30

-Y: 31 AVAIL: 12:02 TO 12:46

ANG SEP: 90.9

When IMU Align complete:

GNC 22 S TRK/COAS CNTL

CRT -Y STAR TRKR - TERM/IDLE ITEM 9 EXEC(*)

2. SLM DATA TAKES

C3 DAP:FREE

GNC 22 S TRK/COAS CNTL

Clear Star Table ITEM 20 EXEC

Acquire Star

SLM #3-1, 3-2 STAR ID:37

SLM #3-3, 3-4 STAR ID:31

Verify star in table

Clear Star Table ITEM 20 EXEC

Verify star in table

If SLM#3-4 complete, GO TO Step 3

Load next attitude:

GNC UNIV PTG

	SLM #3-2	SLM #3-3	SLM#3-4
R=	1.75	52.12	56.10
P=	243.08	158.64	158.88
Y=	41.00	354.30	354.86

Init MNVR

When in attitude, repeat Step 2

3. RESELECT -Y STAR TRACKER

GNC 22 S TRK/COAS CNTL

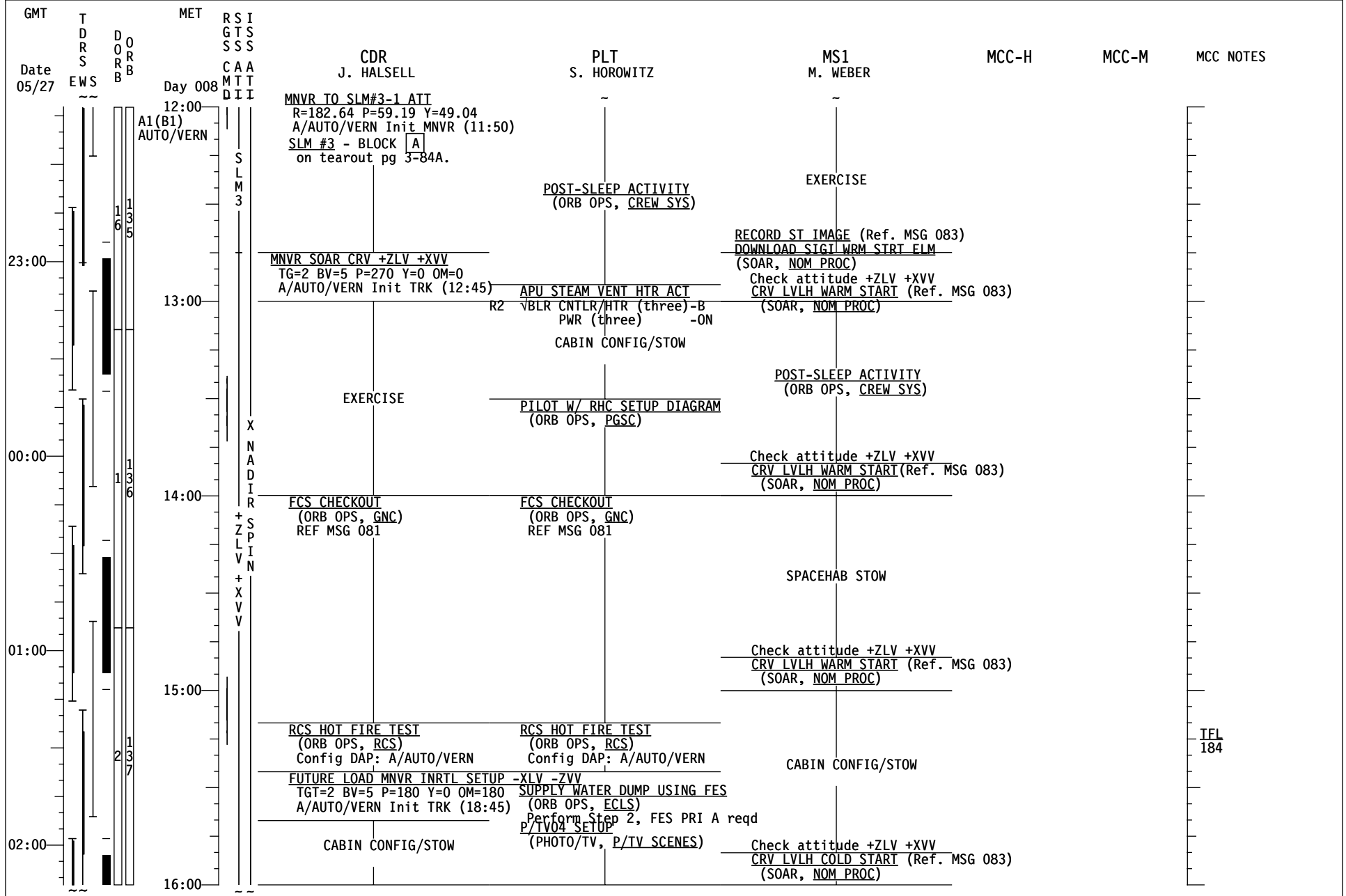
-Y STAR TRKR - STAR TRK ITEM 3 EXEC(*)

Maneuver per FLT PLAN

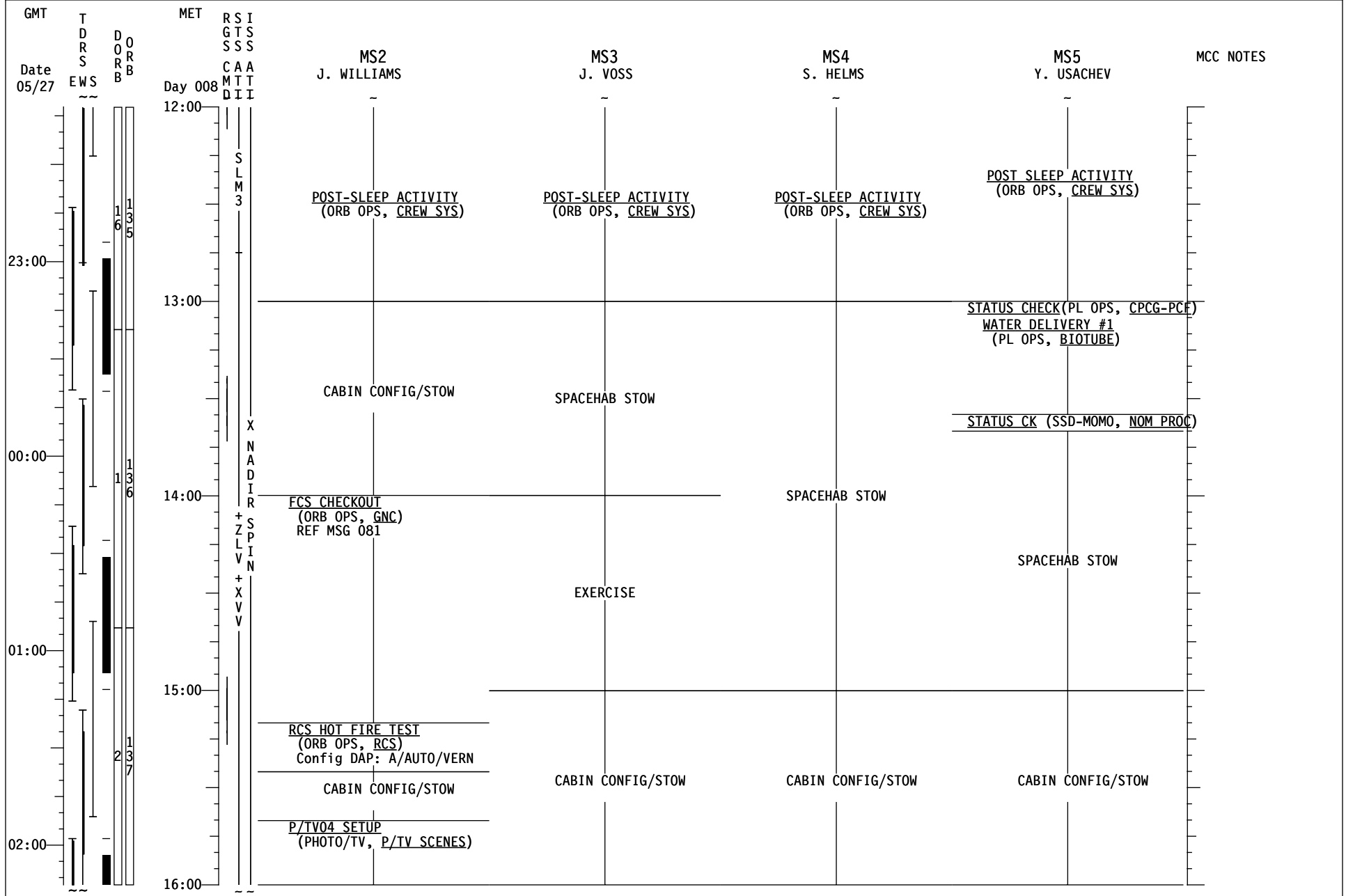
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STS-101 (FD10) REPLANNED



STS-101 (FD10) REPLANNED



STS-101 (FD10) REPLANNED

GMT	T D R S Date 05/28	D O R B	MET	R S I G T S S C A A M T T D I I	CDR J. HALSELL	PLT S. HOROWITZ	MS1 M. WEBER	MCC-H	MCC-M	MCC NOTES
	EWS	1 2	Day 008							
		1 3 8	16:00							
			A1(B1) AUTO/VERN							
03:00					MEAL	MEAL	MEAL			OCA OPS OSTs down
							Check attitude +ZLV +XVV CRV LVLH COLD START (Ref. MSG 083) (SOAR, NOM PROC)			
			17:00							
				+ Z L V	CREW PHOTO	CREW PHOTO	CREW PHOTO			
				+ X V V						
04:00				N A D I R	CREW CONF (Ref. MSG 079)	CREW CONF (Ref. MSG 079)	CREW CONF (Ref. MSG 079)			OCA OPS OSTs up
			18:00	S P I N						
					D/O BRIEF	D/O BRIEF	D/O BRIEF			
					PILOT WITH RHC (ORB OPS, PGSC)	PILOT WITH RHC (ORB OPS, PGSC)				
05:00							CABIN CONFIG/STOW			
					SOAR CRV INRTL ATT DAP: A/INRTL/VERN (19:00)		Check attitude Inertial CRV INERTIAL COLD START (Ref. MSG 083) (SOAR, NOM PROC)			
			19:00							
			A1(B1) INRTLVERN			COMM STRING 1 C/O (PART B) (ORB OPS, COMM/INST) REF MSG 076 Item 1				
					CABIN CONFIG/STOW					
						FILTER CLEANING (IFM, SCHED MAINT) Inspect filters and clean as necessary	CABIN CONFIG/STOW			
06:00										
					MNVR TO SLM#4-1 ATT R=144.51 P=119.12 Y=334.03 A/AUTO/VERN Init MNVR (19:50)					
			20:00							

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05/27/00 14:22:10
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A SOAR SLM #4

1. IMU ALIGN-S TRK (ORB OPS)

-Z: 57 AVAIL: 19:49 TO 20:39

-Y: 55 AVAIL: 20:02 TO 20:53

ANG SEP: 89.9

When IMU Align complete:

GNC 22 S TRK/COAS CNTL

CRT -Y STAR TRKR - TERM/IDLE ITEM 9 EXEC(*)

2. SLM DATA TAKES

C3 DAP:FREE

GNC 22 S TRK/COAS CNTL

Clear Star Table ITEM 20 EXEC

Acquire Star

SLM #4-1, 4-2 STAR ID:57

SLM #4-3, 4-4 STAR ID:55

Verify star in table

Clear Star Table ITEM 20 EXEC

Verify star in table

If SLM#4-4 complete, GO TO Step 3

Load next attitude:

GNC UNIV PTG

	SLM #4-2	SLM #4-3	SLM#4-4
R=	134.58	135.89	137.26
P=	177.18	235.25	238.34
Y=	47.22	335.62	338.43

Init MNVR

When in attitude, repeat Step 2

3. RESELECT -Y STAR TRACKER

GNC 22 S TRK/COAS CNTL

-Y STAR TRKR - STAR TRK ITEM 3 EXEC(*)

GNC 21 IMU ALIGN

Reselect IMU 2 - ITEM 8 EXEC

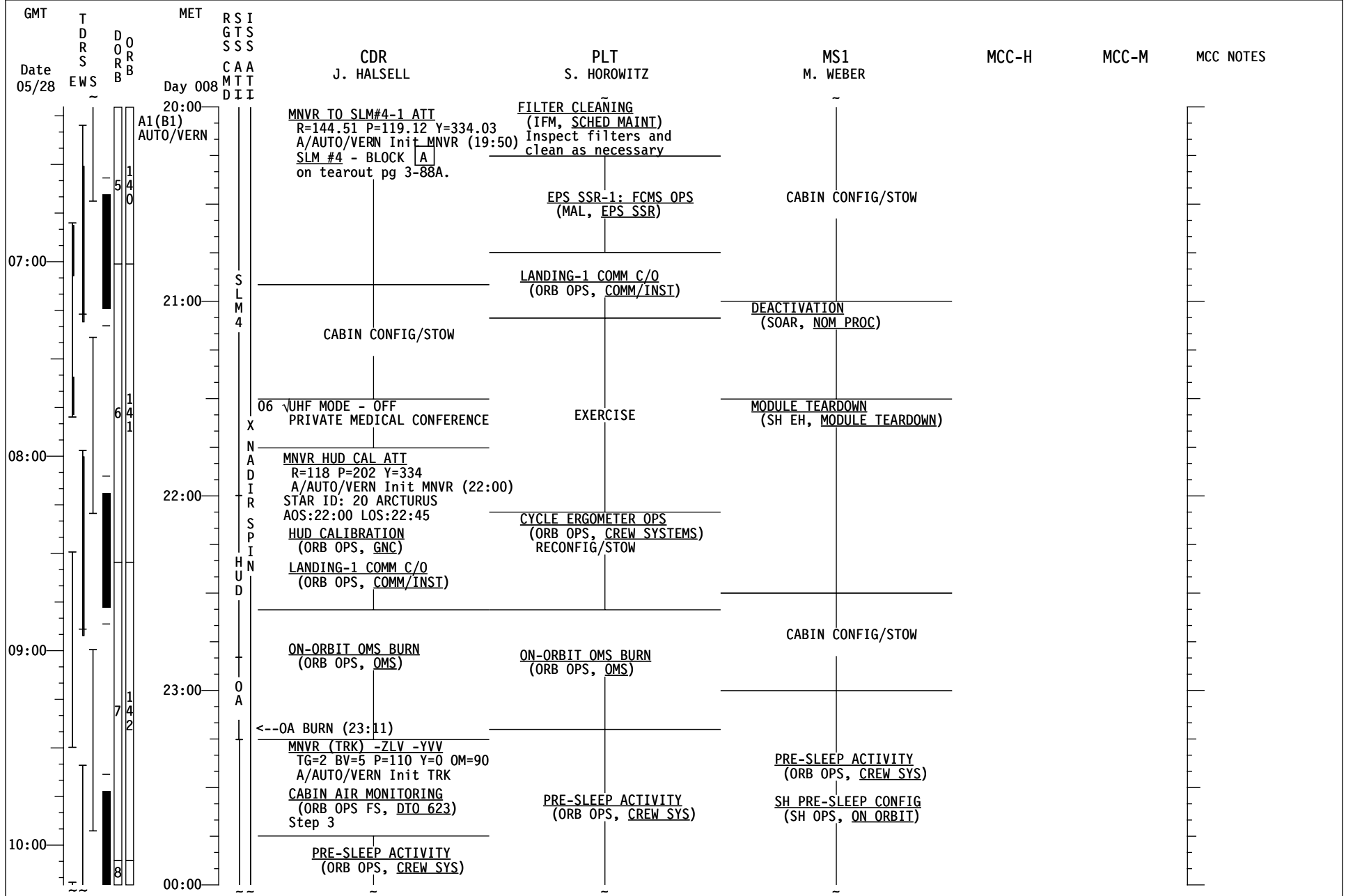
Maneuver per FLT PLAN

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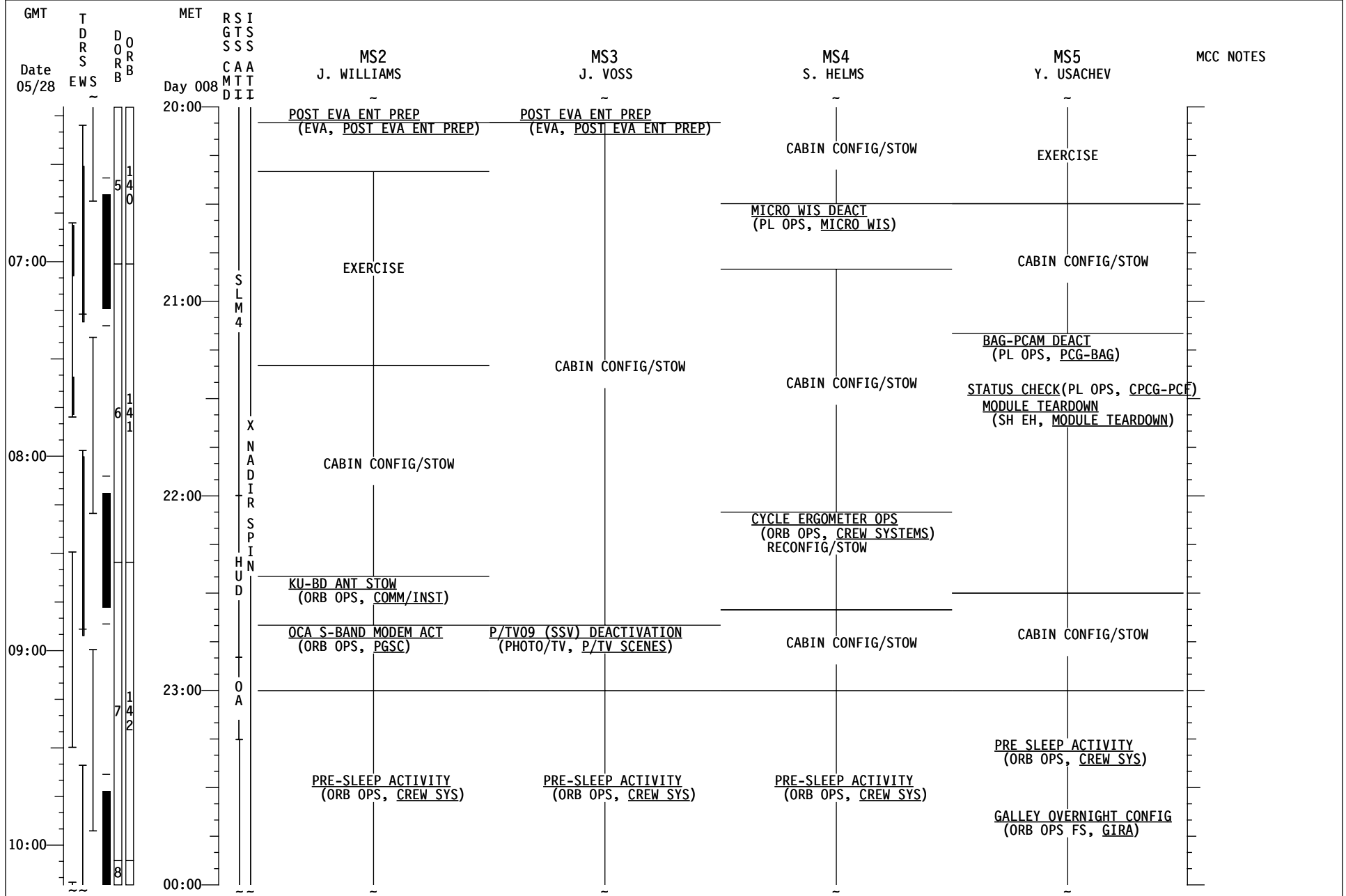
STS-101 (FD10) REPLANNED

GMT	T D R S	D O R B	MET	R S I G T S S S C A A M T T D I I	MS2 J. WILLIAMS	MS3 J. VOSS	MS4 S. HELMS	MS5 Y. USACHEV	MCC NOTES
Date 05/28	EWS		Day 008						
03:00		2	16:00		MEAL	MEAL	MEAL	MEAL	
		3	17:00	+ Z L V	CREW PHOTO	CREW PHOTO	CREW PHOTO	CREW PHOTO	
04:00		4	18:00	+ X V V X N A D I R S P I N	CREW CONF (Ref. MSG 079)	CREW CONF (Ref. MSG 079)	CREW CONF (Ref. MSG 079)	CREW CONF (Ref. MSG 079)	
		5	19:00		D/O BRIEF	D/O BRIEF	D/O BRIEF	D/O BRIEF	
05:00		6			PILOT WITH RHC (ORB OPS, PGSC)	CABIN CONFIG/STOW	EXERCISE	CABIN CONFIG/STOW	
		7			POST EVA ENT PREP (EVA, POST EVA ENT PREP)	POST EVA ENT PREP (EVA, POST EVA ENT PREP)			
06:00		8	20:00				CABIN CONFIG/STOW	EXERCISE	

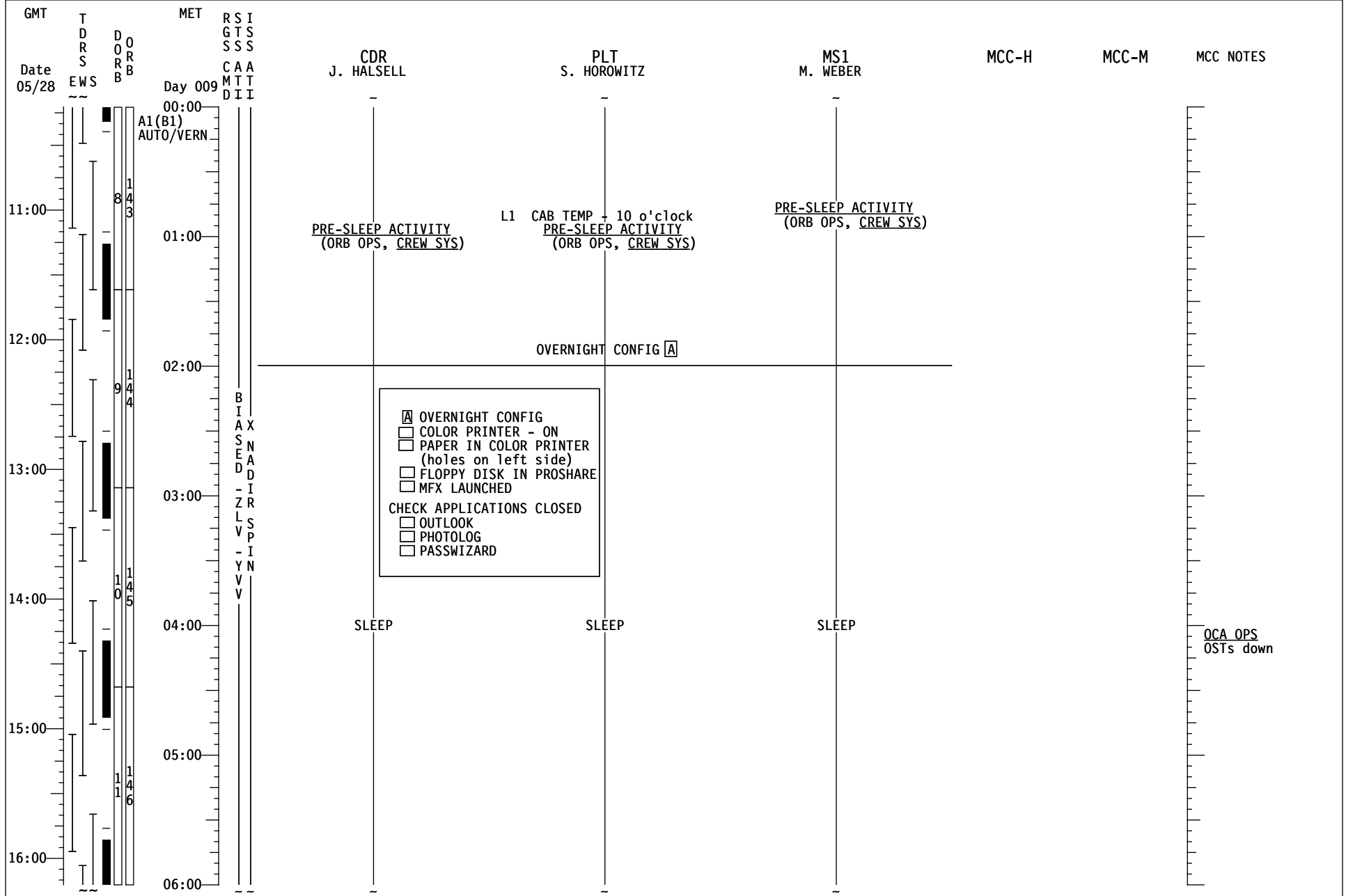
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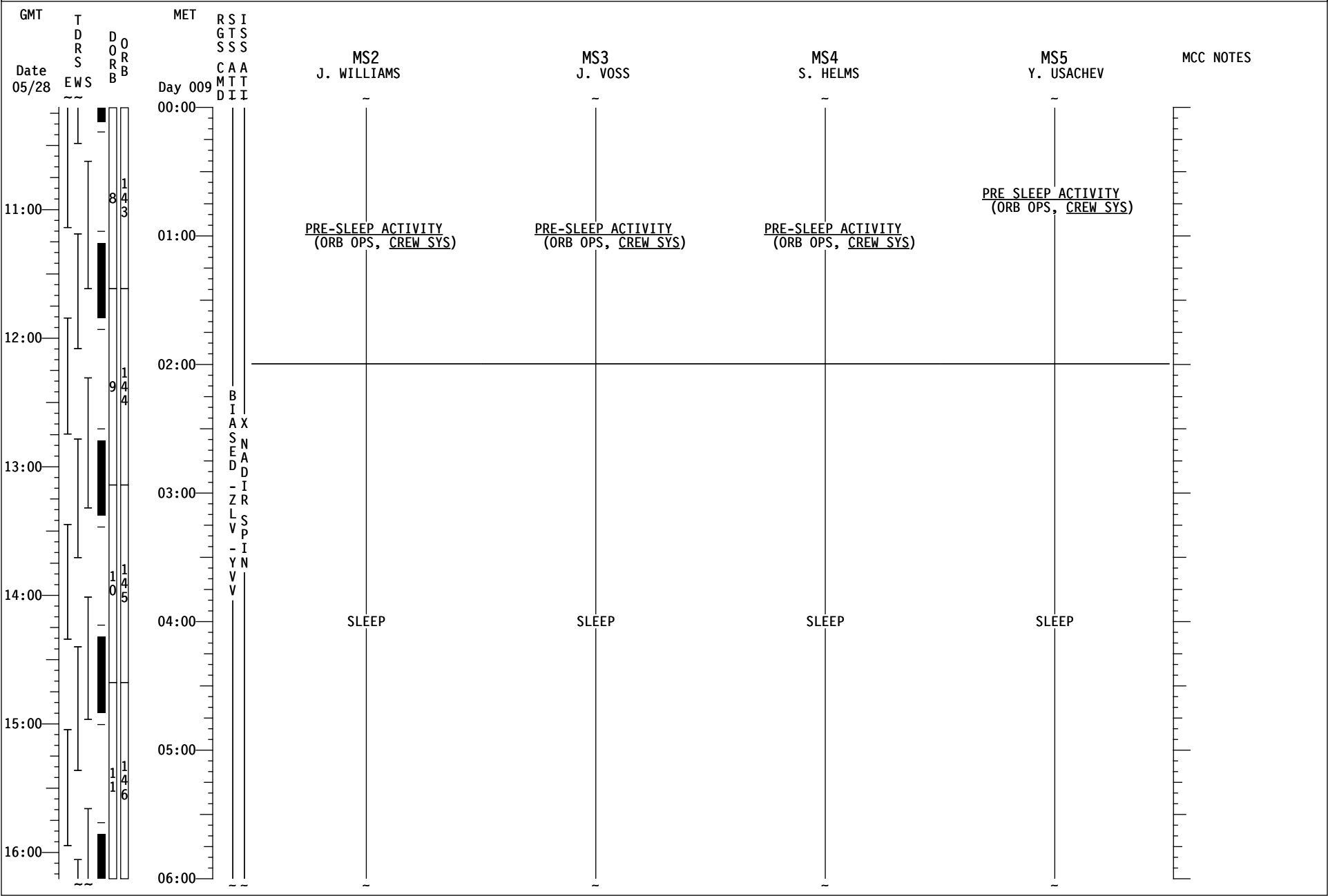
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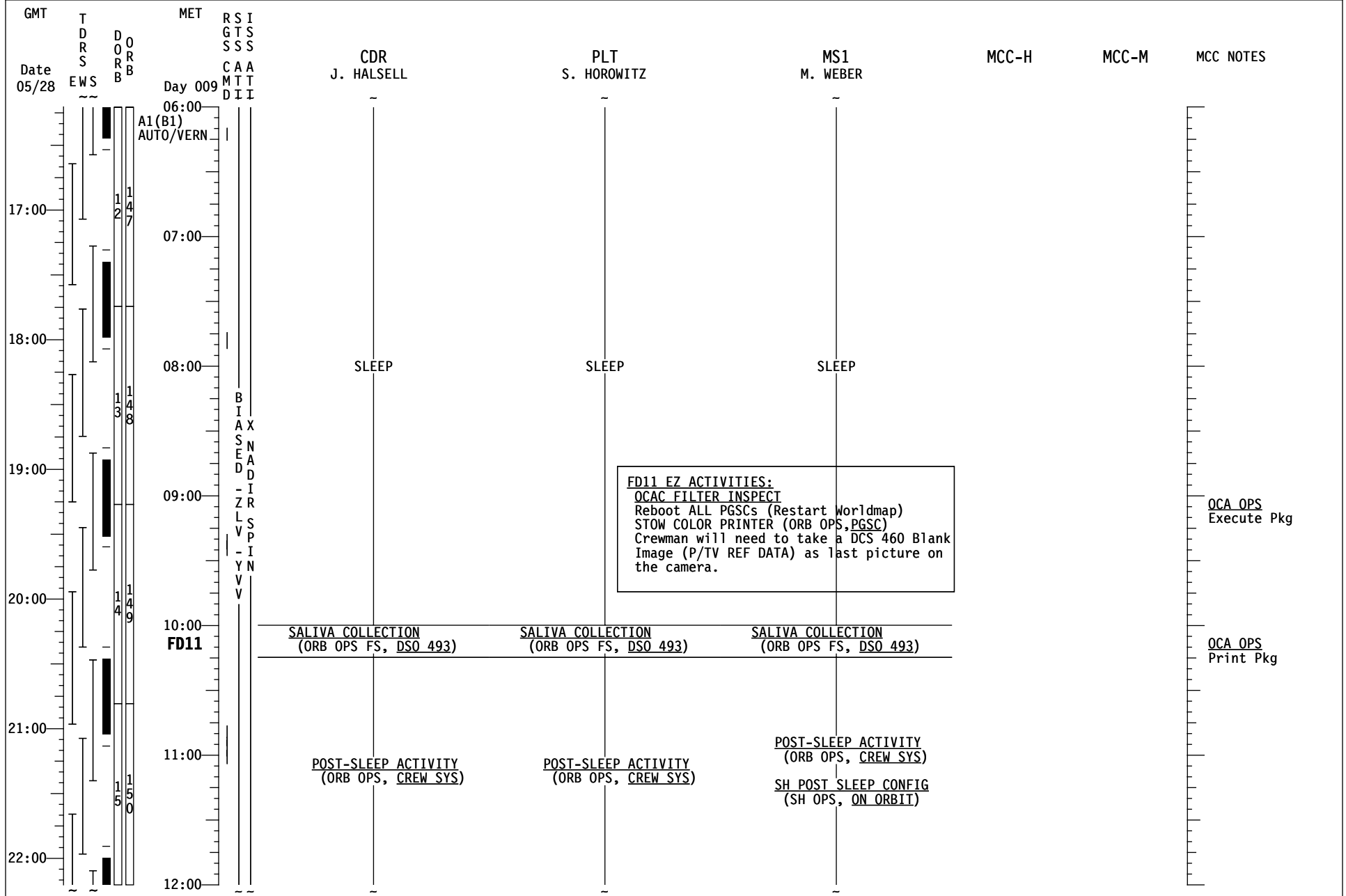
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STS-101 (FD10) REPLANNED

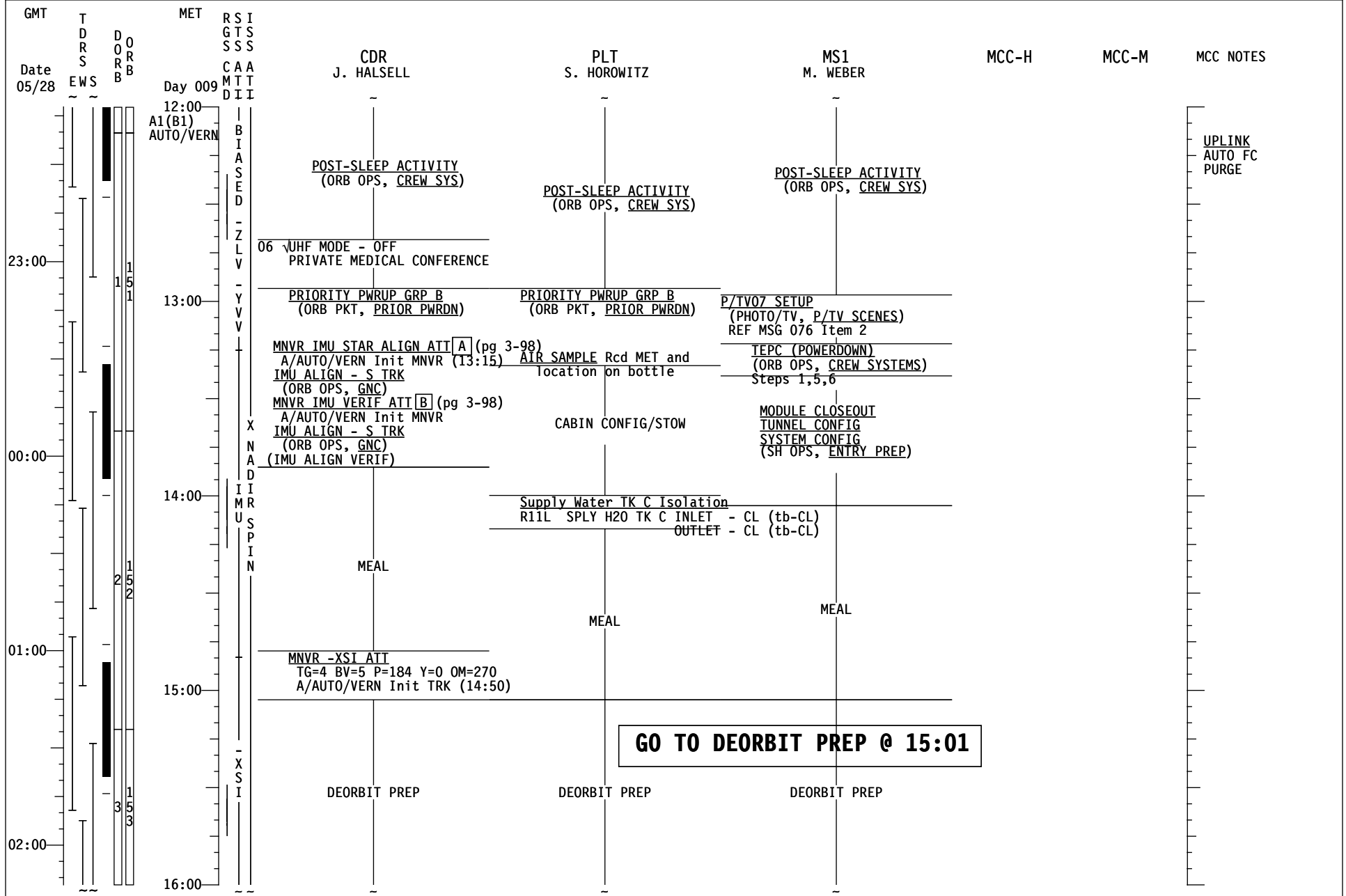


STS-101 (FD11) REPLANNED



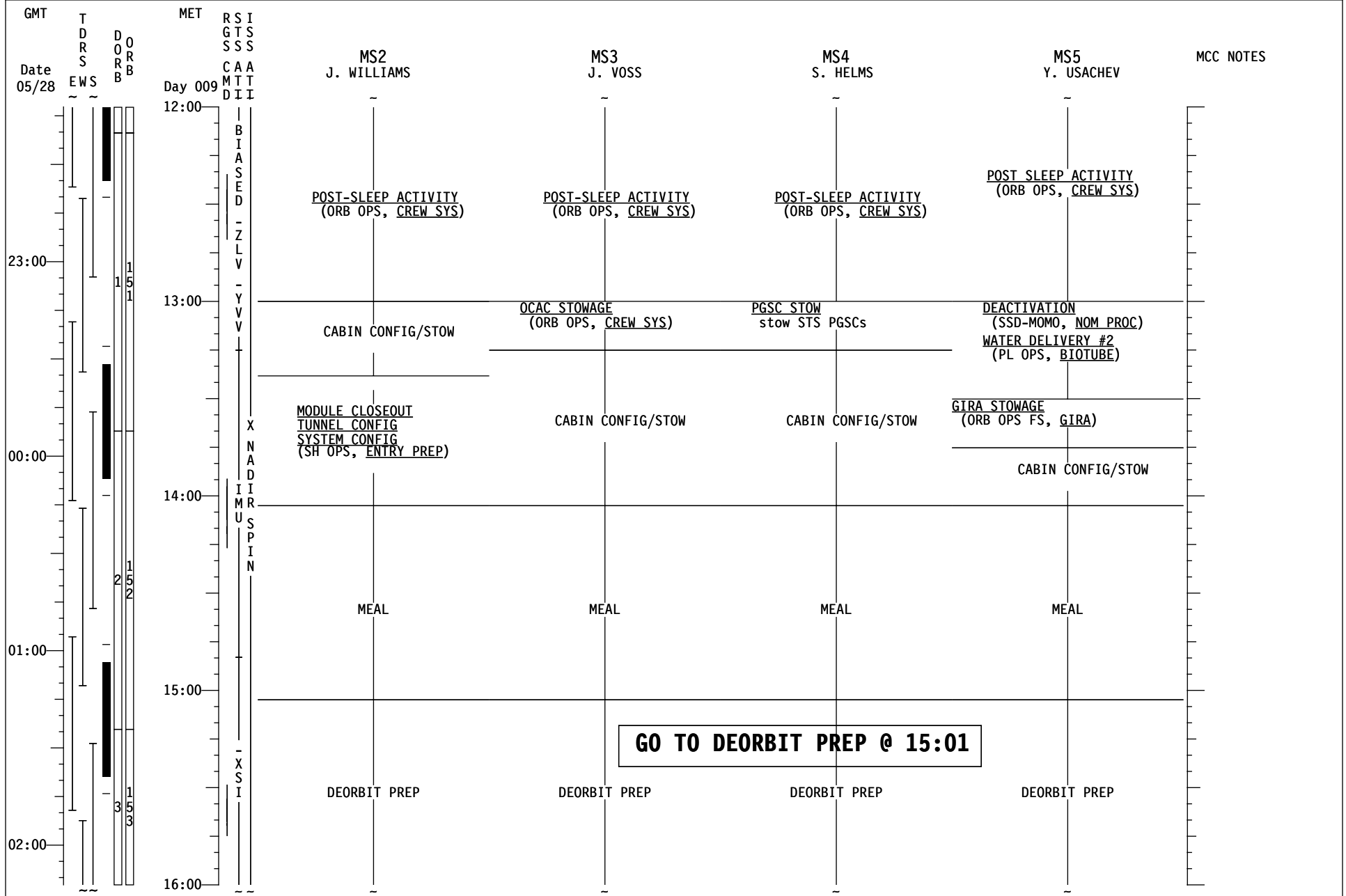


STS-101 (FD11) REPLANNED



GO TO DEORBIT PREP @ 15:01

STS-101 (FD11) REPLANNED



STS-101 (FD11) REPLANNED

GMT	T D R S	D O O R B	MET	R S I	CDR	PLT	MS1	MCC-H	MCC-M	MCC NOTES
Date	EWS		Day 009	CA A	J. HALSELL	S. HOROWITZ	M. WEBER			
05/29				MTT						
				DI I						
18:00			A1(B1)							
			AUTO/VERN							
05:00				COMM	DEORBIT PREP	DEORBIT PREP	DEORBIT PREP			
19:00										
				ENTRY						
06:00										
20:00										
07:00										
21:00										
08:00										
22:00										

A IMU STAR ALIGN

ID: -Y: 78, GAMMA LUPI
MET (9/13:09 to 9/13:55)

-Z: 87, ZOZCA
MET (9/13:09 to 9/13:55)

ANG DIFF: 86.3

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR)	
R	15	R	302
P	105	P	85
Y	40	Y	43

REQD ID: _____

-Y: __, -Z: __, ANG ERR __, __

ANG: 1 2 3

ΔX () __, __ () __, __ () __, __

ΔY () __, __ () __, __ () __, __

ΔZ () __, __ () __, __ () __, __

EXECUTION TIME: __/__:__:__ MET

B IMU STAR VERIFICATION

ID: -Y: 22, ALTAIR
MET (9/13:27 to 9/14:17)

-Z: 29, ALKAID
MET (9/13:21 to 9/14:12)

ANG DIFF: 83.8

DUAL S TRKR ALIGNMENT		2nd ATTITUDE (SINGLE S TRKR)	
R	345	R	255
P	133	P	122
Y	324	Y	335

REQD ID: _____

-Y: __, -Z: __, ANG ERR __, __

ANG: 1 2 3

ΔX () __, __ () __, __ () __, __

ΔY () __, __ () __, __ () __, __

ΔZ () __, __ () __, __ () __, __

If any ΔX, ΔY, or ΔZ > 0.1 Check MCC

EXECUTION TIME: __/__:__:__ MET

