MISSION OPERATIONS AND DATA SYSTEMS DIRECTORATE

UPS 1998

USER INTERFACE GUIDELINES

Appendix C

October 1996

ON-LINE REVIEW

http://isolde.gsfc.nasa.gov/ups

National Aeronautics and Space Administration

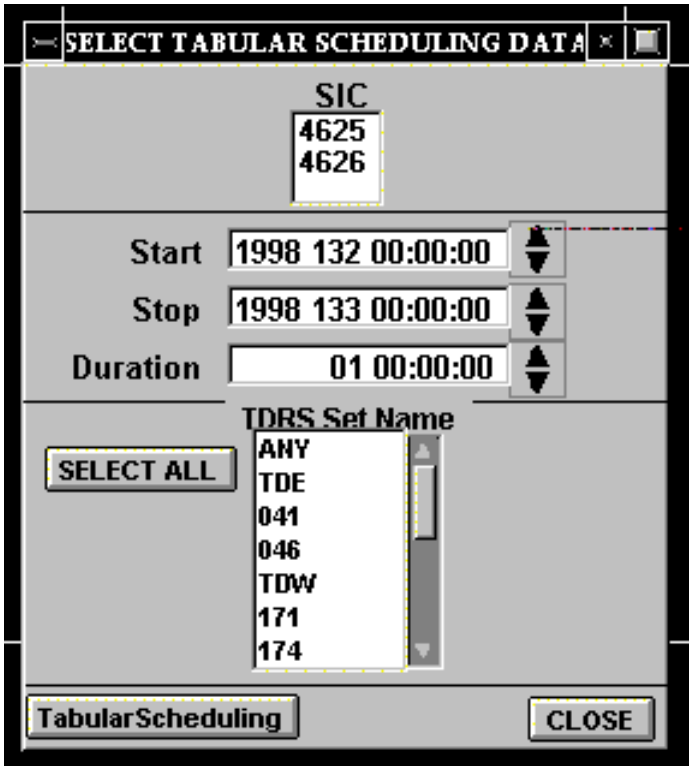
Goddard Space Flight Center
Greenbelt, Maryland

User Planning System (UPS), 1998
User Interface Guidelines

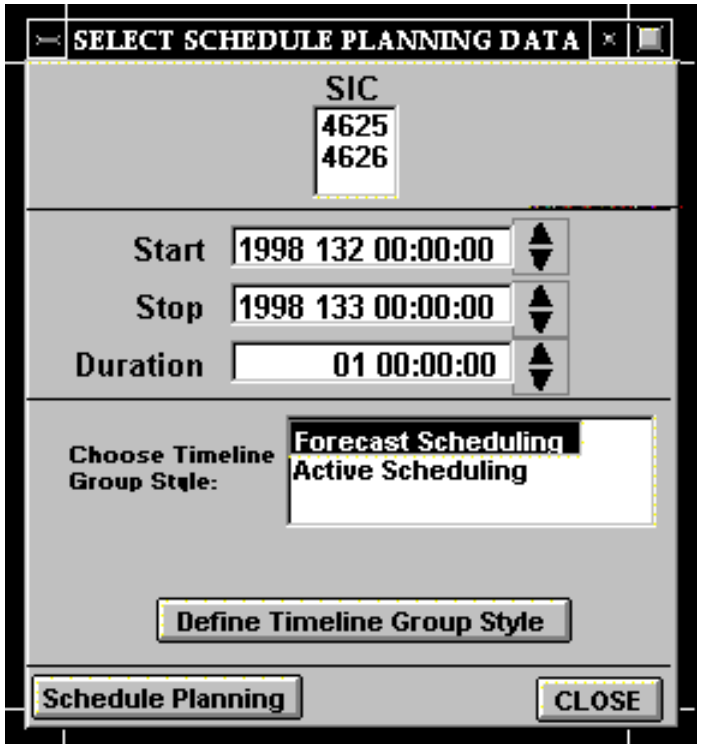
APPENDIX C

Prototype Panels

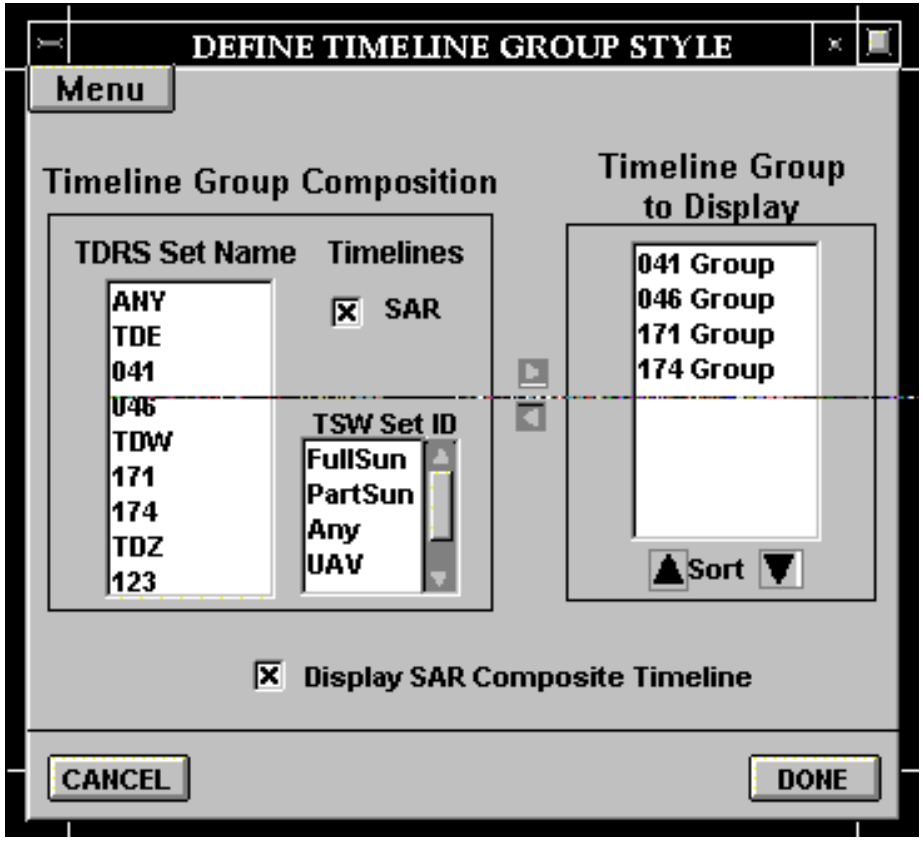
The following illustrations are prototypes of the panels to be implemented for UPS '98. These panels show sample data, and include various subpanels, menus, and status windows.



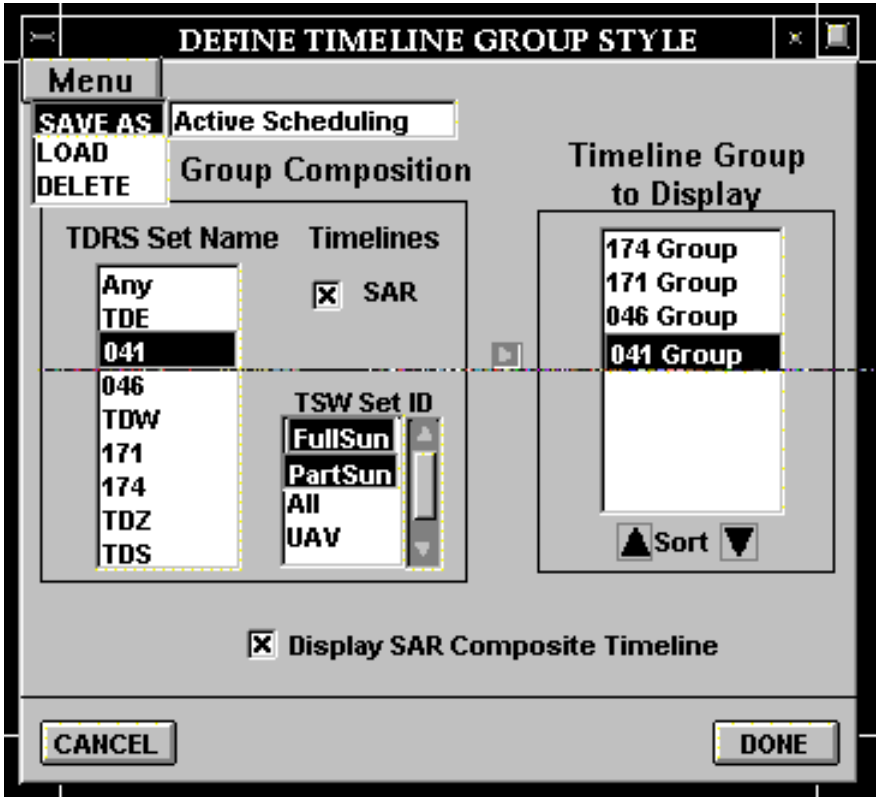
C-1. Select Tabular Scheduling Data panel



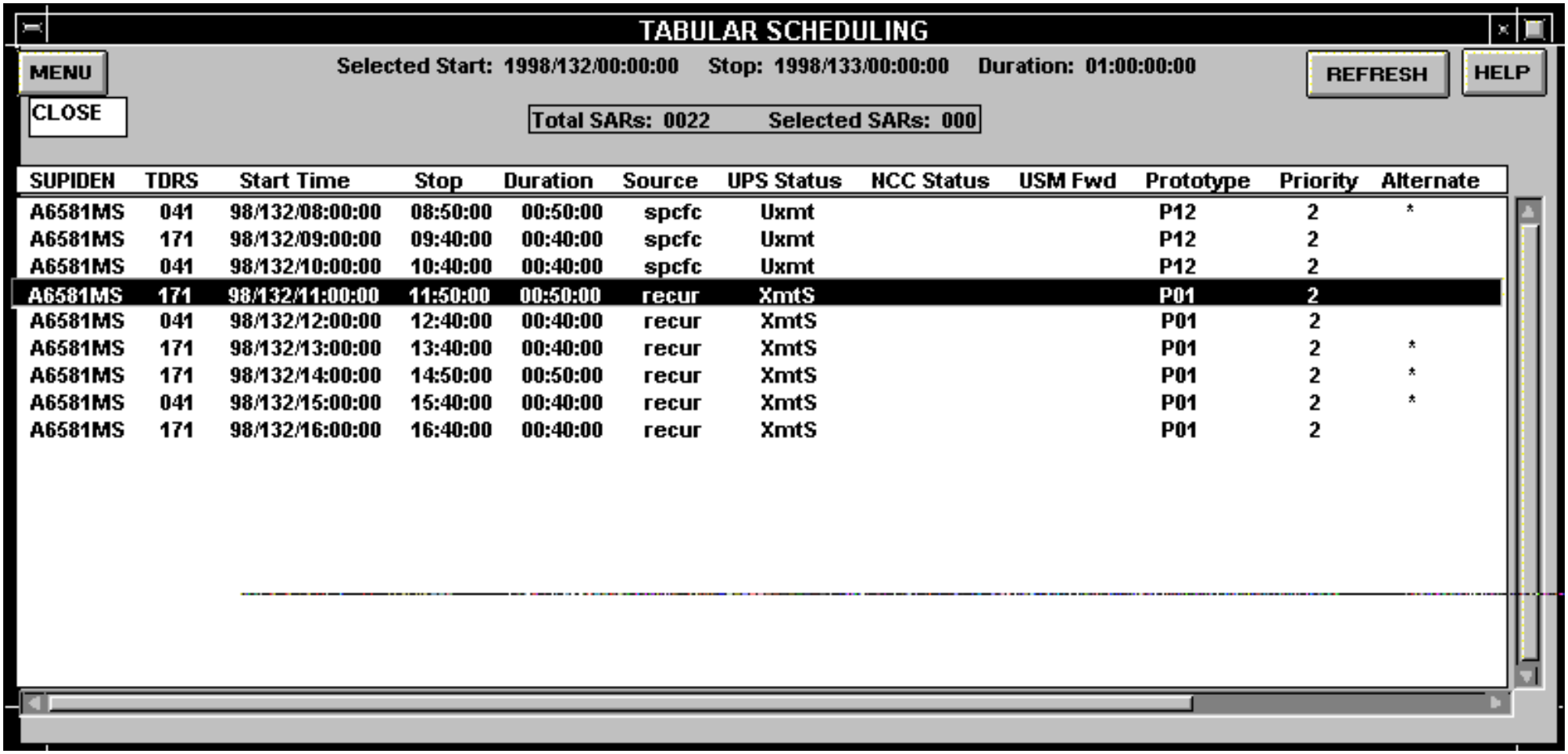
C-2. Select Schedule Planning Panel



C-3. Define Timeline Group Style Panel

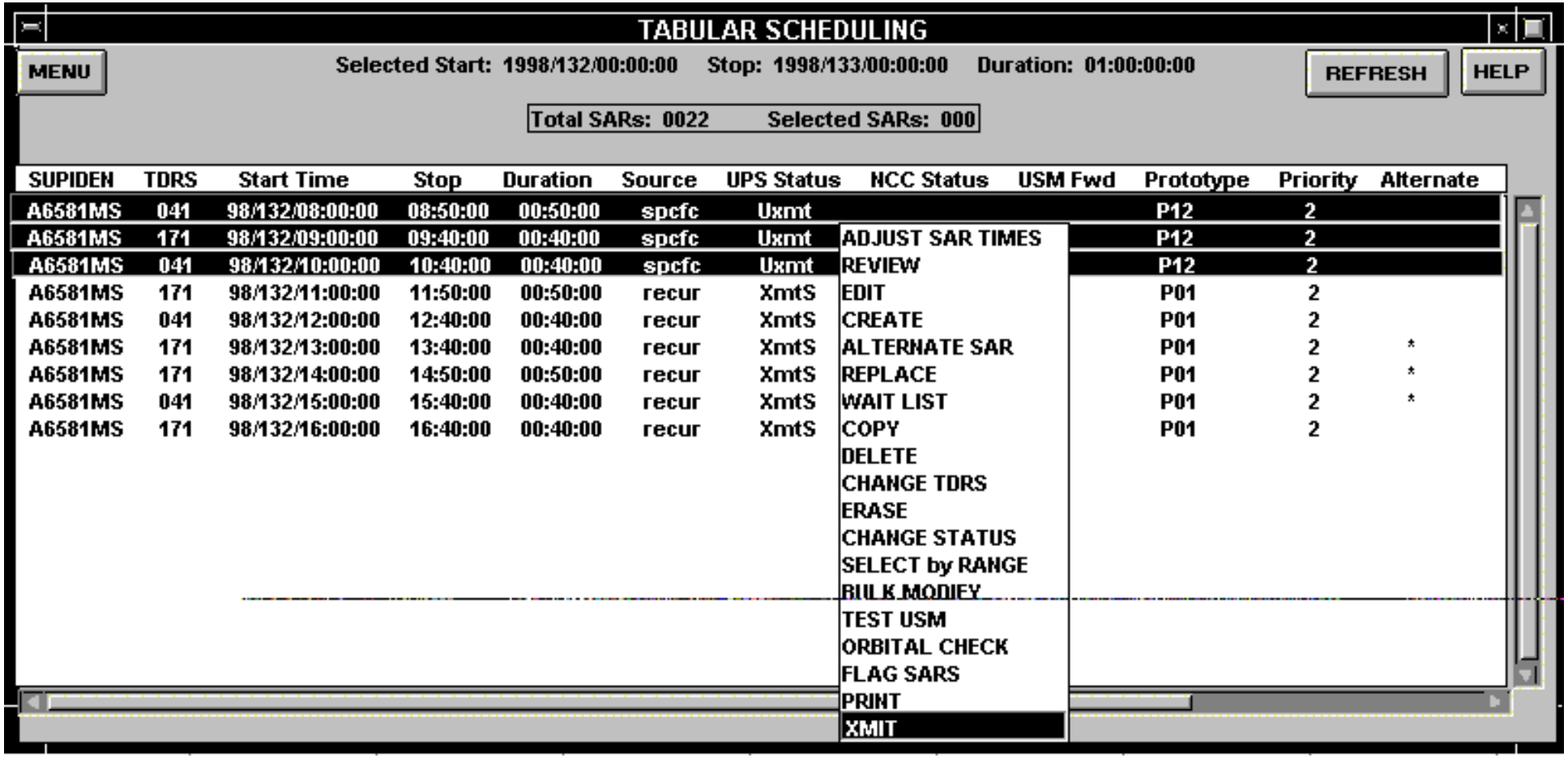


C-4. Define Timeline Group Style Panel (with SAVE AS menu selected)

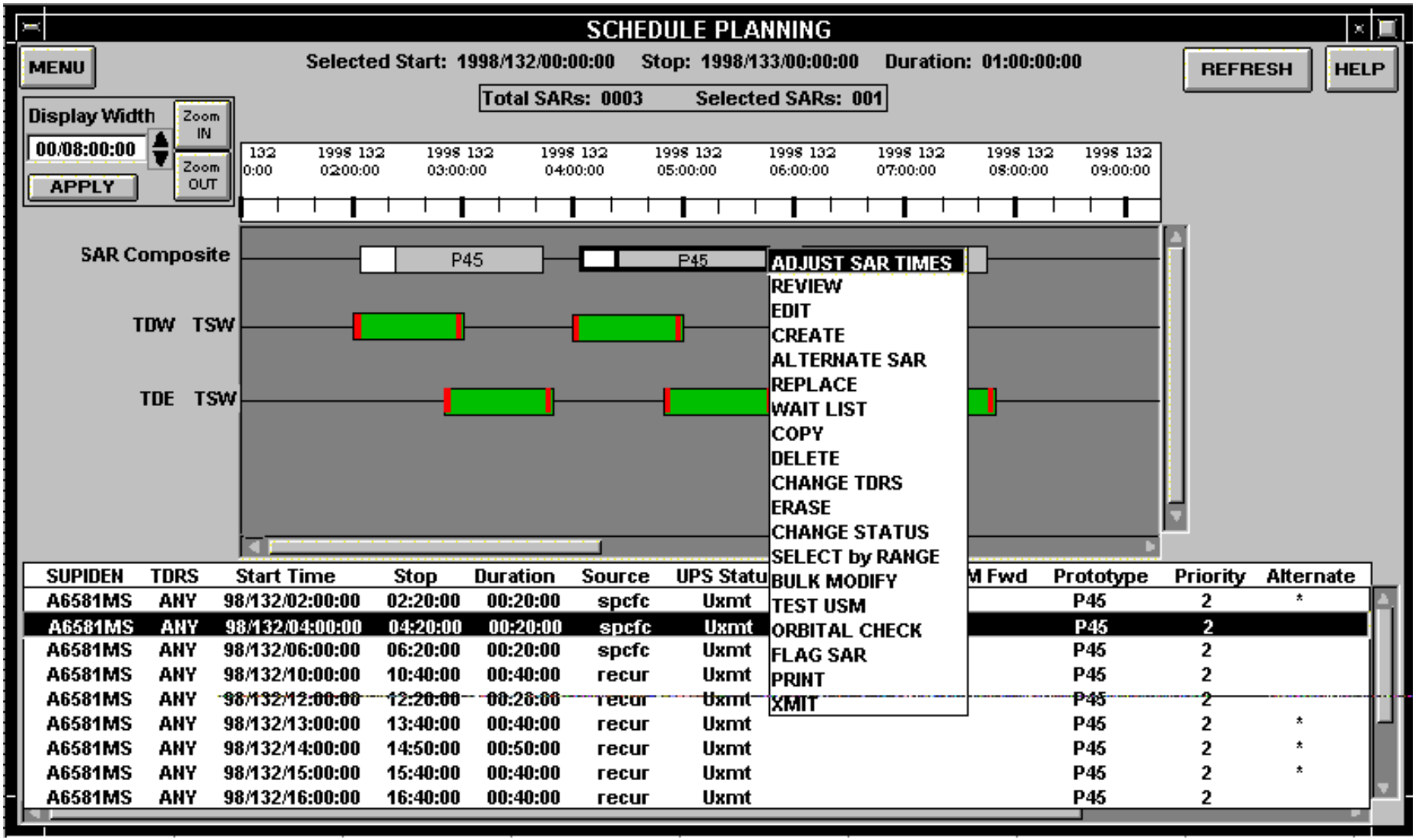


SUPIDEN	TDRS	Start Time	Stop	Duration	Source	UPS Status	NCC Status	USM Fwd	Prototype	Priority	Alternate
A6581MS	041	98/132/08:00:00	08:50:00	00:50:00	spcfc	Uxmt			P12	2	*
A6581MS	171	98/132/09:00:00	09:40:00	00:40:00	spcfc	Uxmt			P12	2	
A6581MS	041	98/132/10:00:00	10:40:00	00:40:00	spcfc	Uxmt			P12	2	
A6581MS	171	98/132/11:00:00	11:50:00	00:50:00	recur	XmtS			P01	2	
A6581MS	041	98/132/12:00:00	12:40:00	00:40:00	recur	XmtS			P01	2	
A6581MS	171	98/132/13:00:00	13:40:00	00:40:00	recur	XmtS			P01	2	*
A6581MS	171	98/132/14:00:00	14:50:00	00:50:00	recur	XmtS			P01	2	*
A6581MS	041	98/132/15:00:00	15:40:00	00:40:00	recur	XmtS			P01	2	*
A6581MS	171	98/132/16:00:00	16:40:00	00:40:00	recur	XmtS			P01	2	

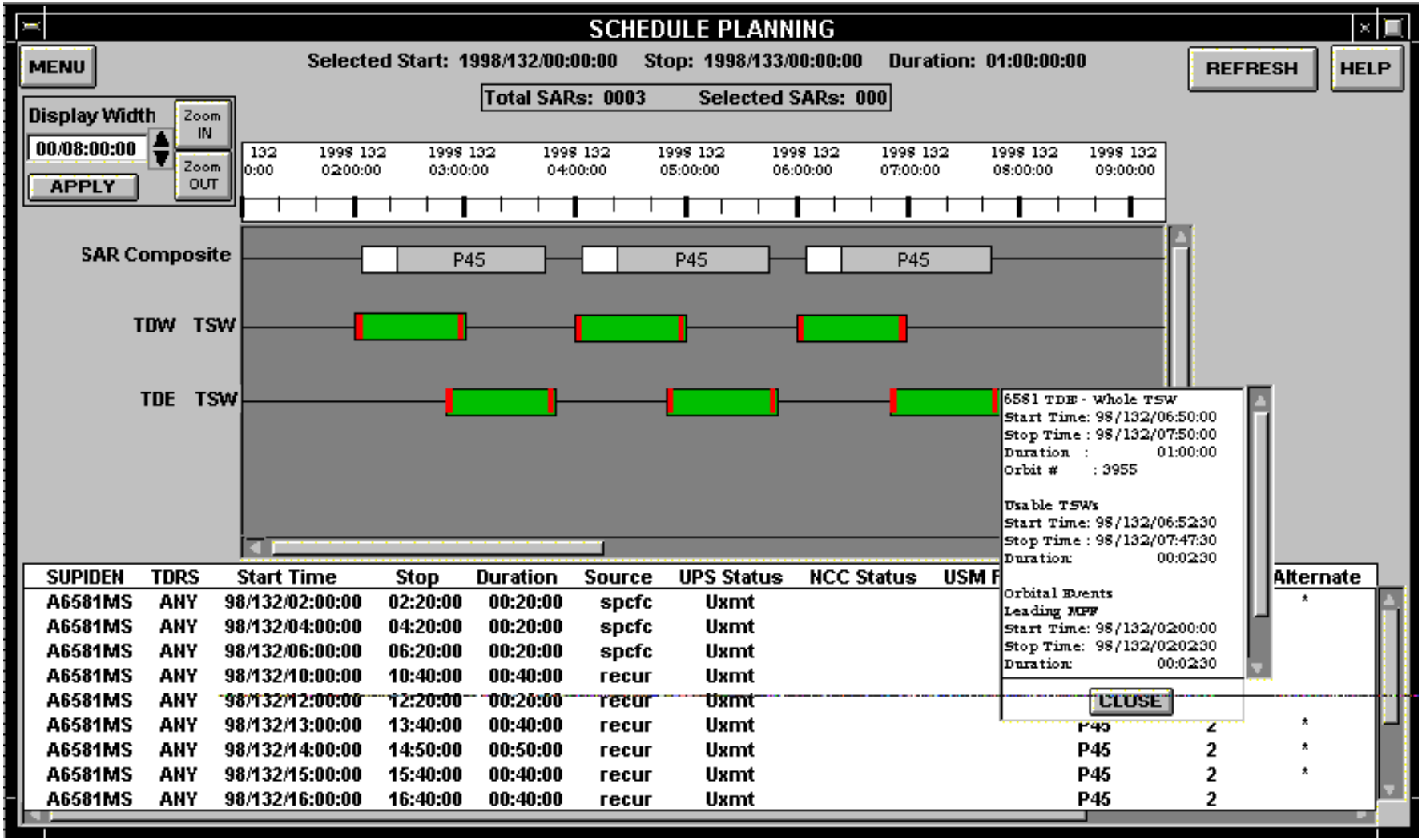
C-5. Tabular Scheduling Panel



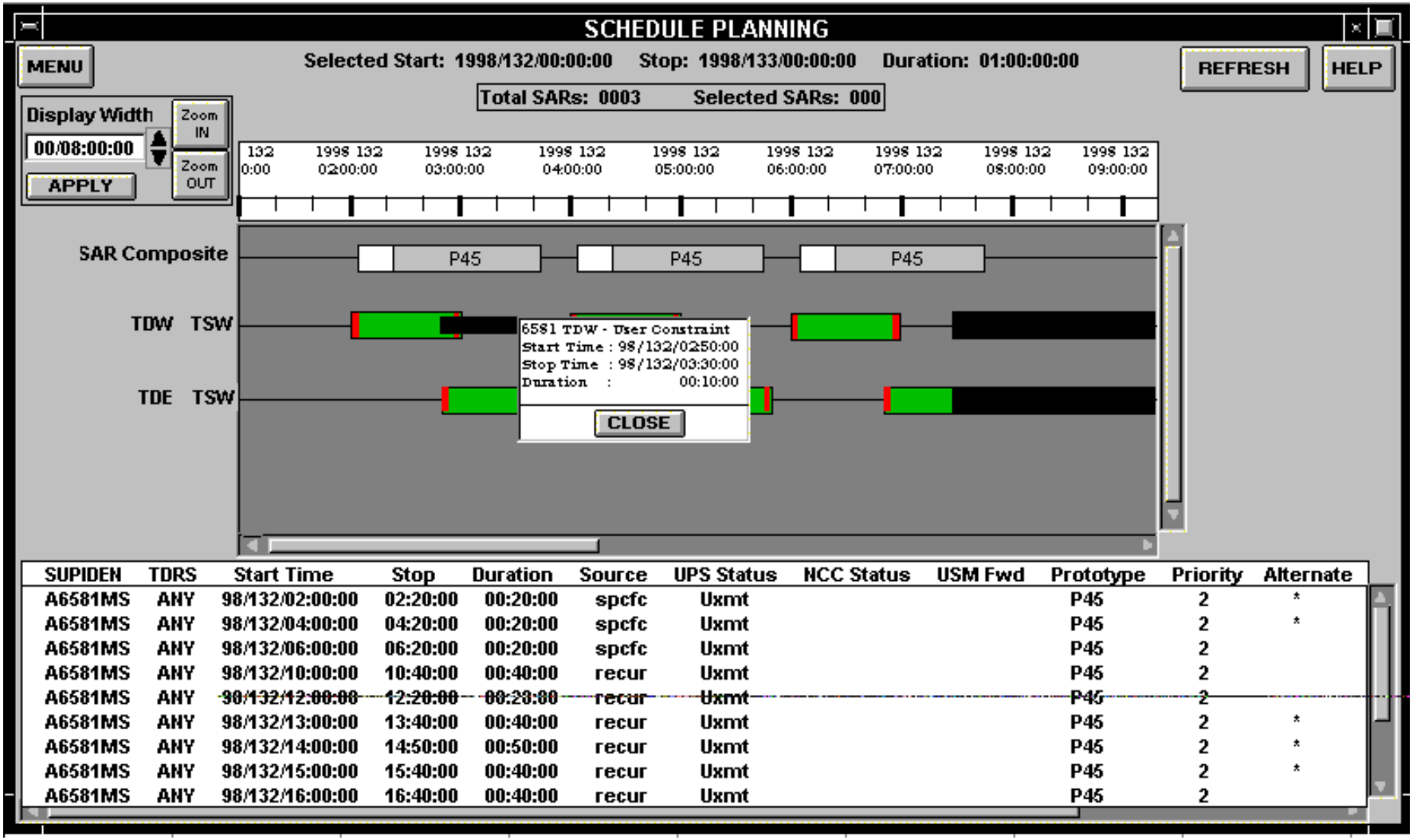
C-6. Tabular Scheduling Panel (with SAR Menu displayed)



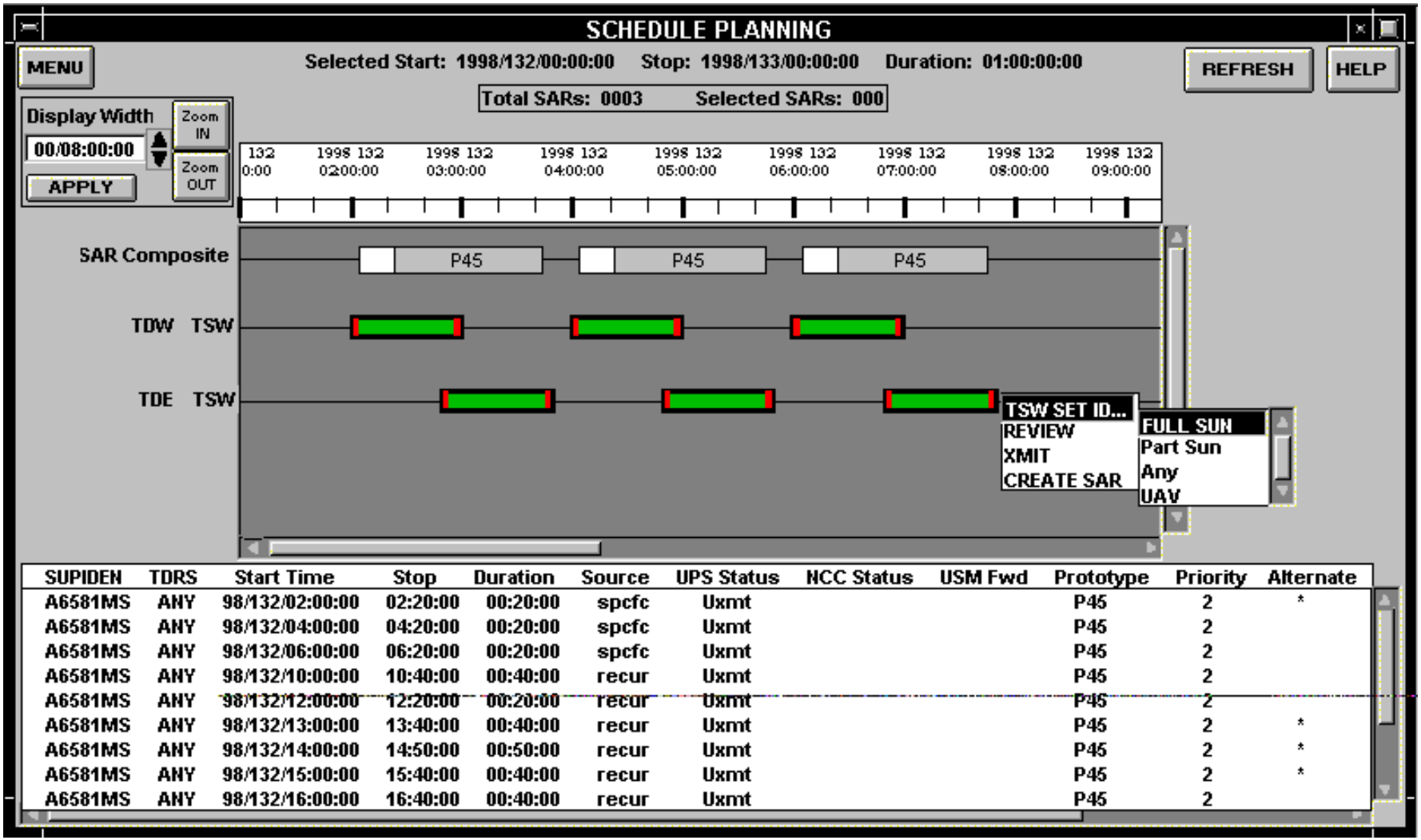
C-7. Schedule Planning Panel (with SAR Menu displayed)



C-8 Schedule Planning Panel (with TSW Status Window displayed)

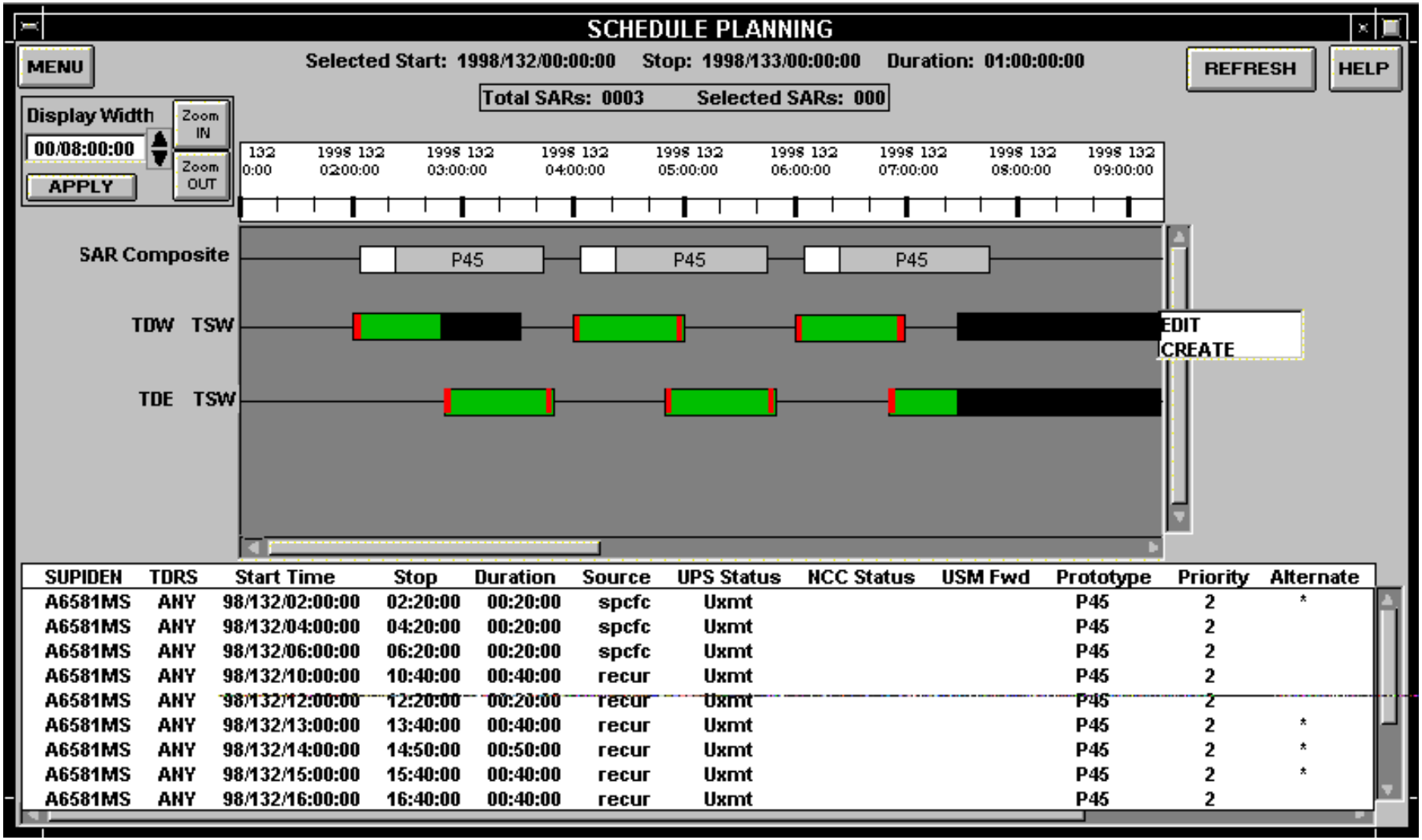


C-9. Schedule Planning Panel (with User Constraint Status Window displayed)

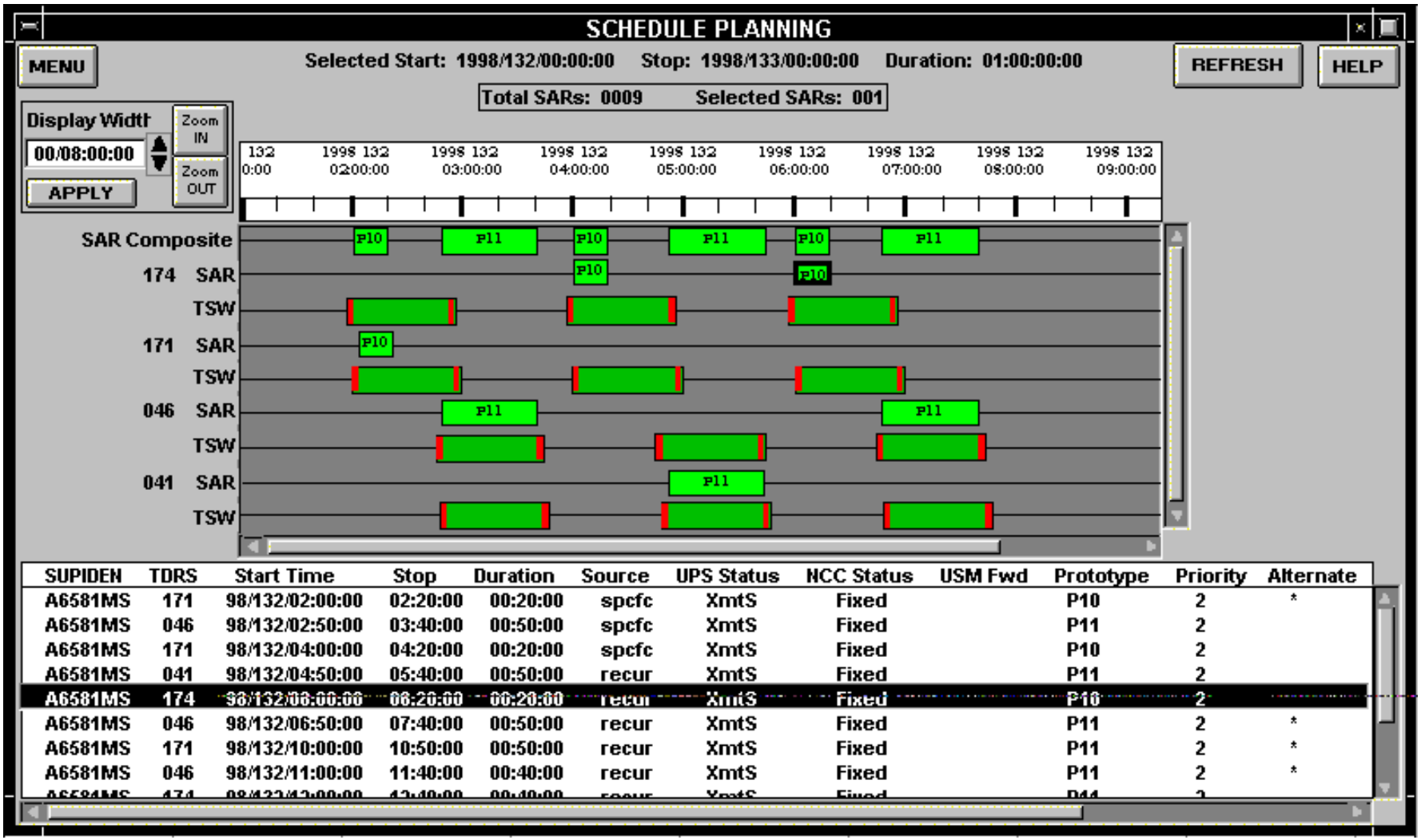


SUPIDEN	TDRS	Start Time	Stop	Duration	Source	UPS Status	NCC Status	USM Fwd	Prototype	Priority	Alternate
A6581MS	ANY	98/132/02:00:00	02:20:00	00:20:00	spcfc	Uxmt			P45	2	*
A6581MS	ANY	98/132/04:00:00	04:20:00	00:20:00	spcfc	Uxmt			P45	2	
A6581MS	ANY	98/132/06:00:00	06:20:00	00:20:00	spcfc	Uxmt			P45	2	
A6581MS	ANY	98/132/10:00:00	10:40:00	00:40:00	recur	Uxmt			P45	2	
A6581MS	ANY	98/132/12:00:00	12:20:00	00:20:00	recur	Uxmt			P45	2	
A6581MS	ANY	98/132/13:00:00	13:40:00	00:40:00	recur	Uxmt			P45	2	*
A6581MS	ANY	98/132/14:00:00	14:50:00	00:50:00	recur	Uxmt			P45	2	*
A6581MS	ANY	98/132/15:00:00	15:40:00	00:40:00	recur	Uxmt			P45	2	*
A6581MS	ANY	98/132/16:00:00	16:40:00	00:40:00	recur	Uxmt			P45	2	

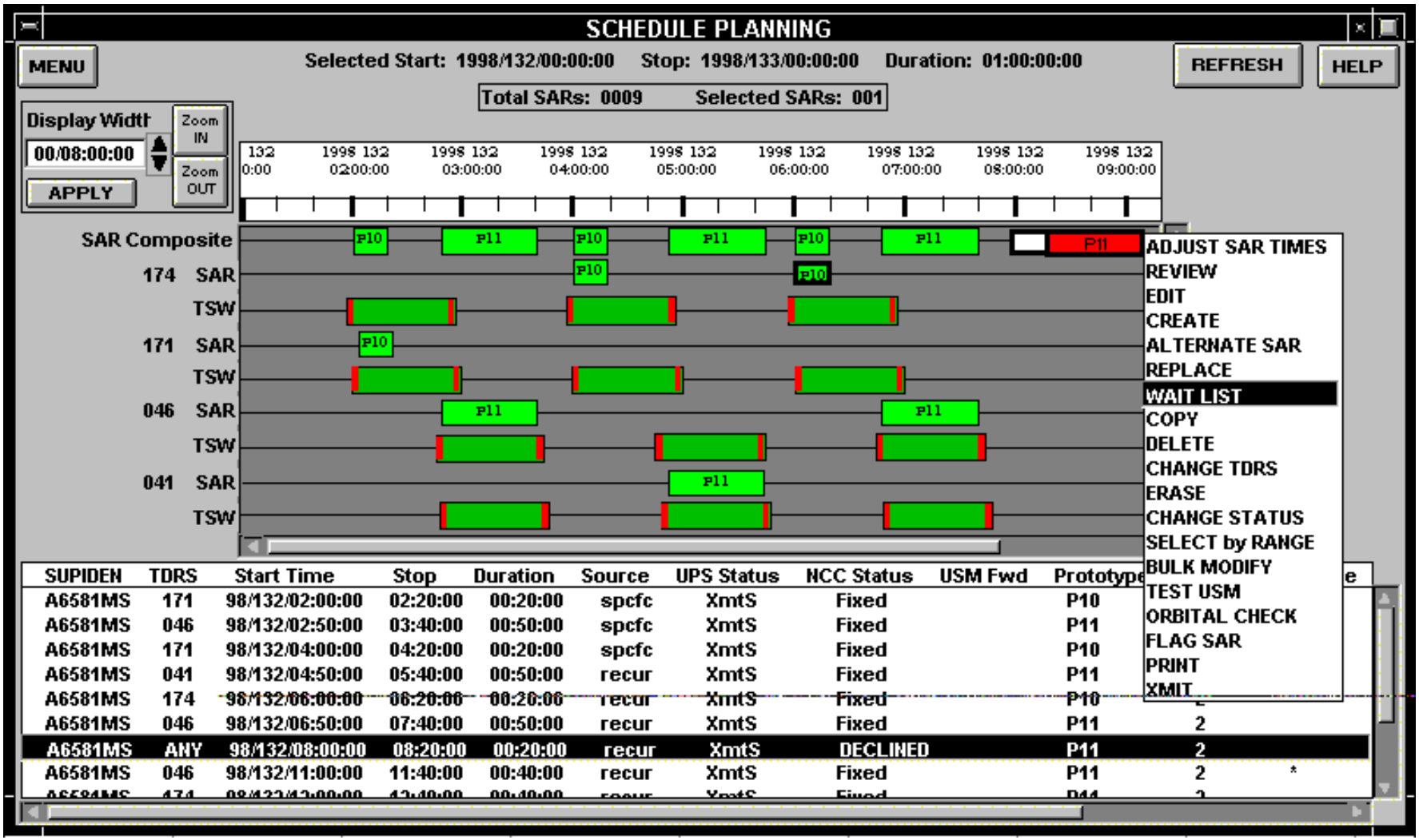
C-10. Schedule Planning Panel (with TSW Menu displayed, an d TSW Set ID selected)



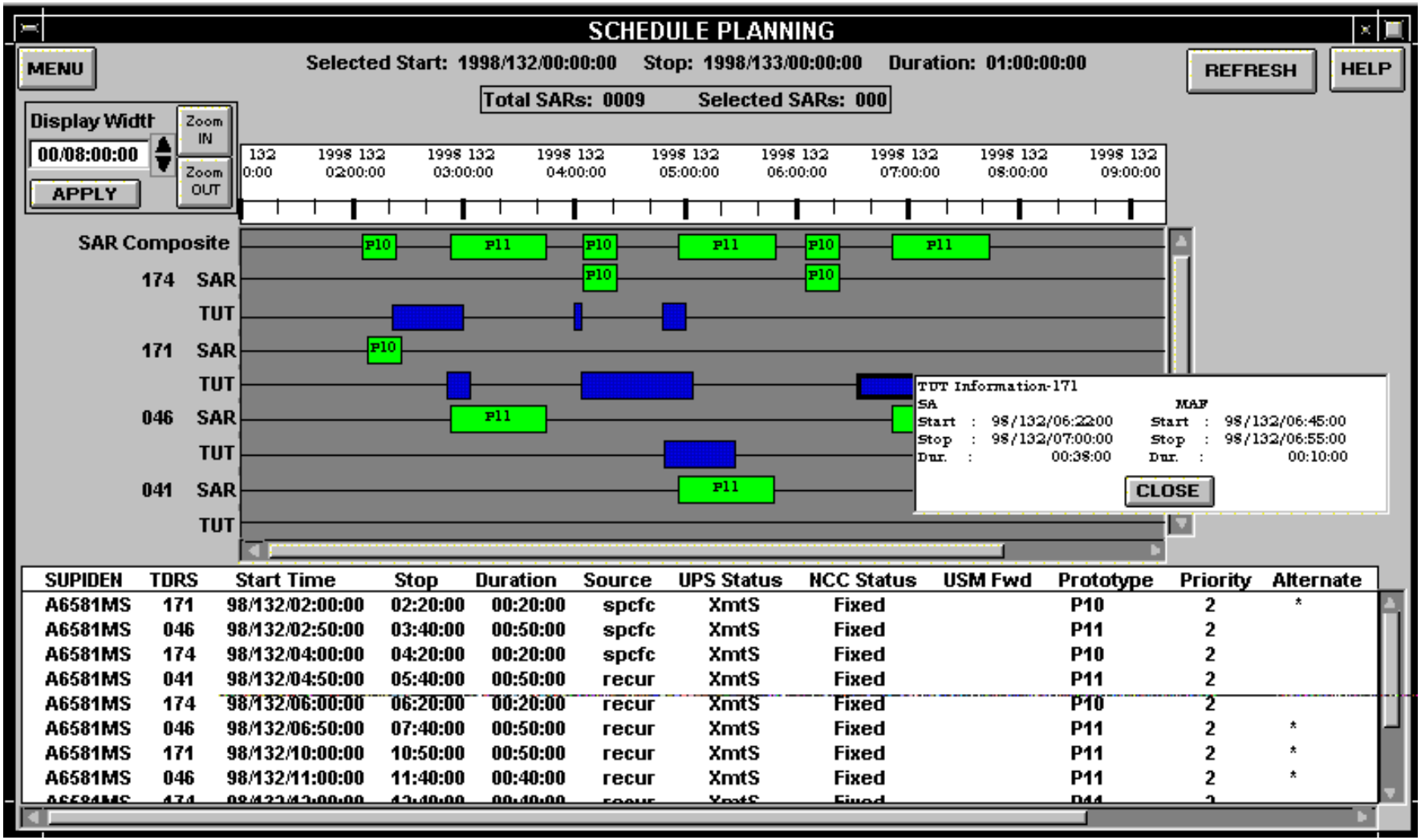
C-11. Schedule Planning Panel (with User Constraint Menu displayed)



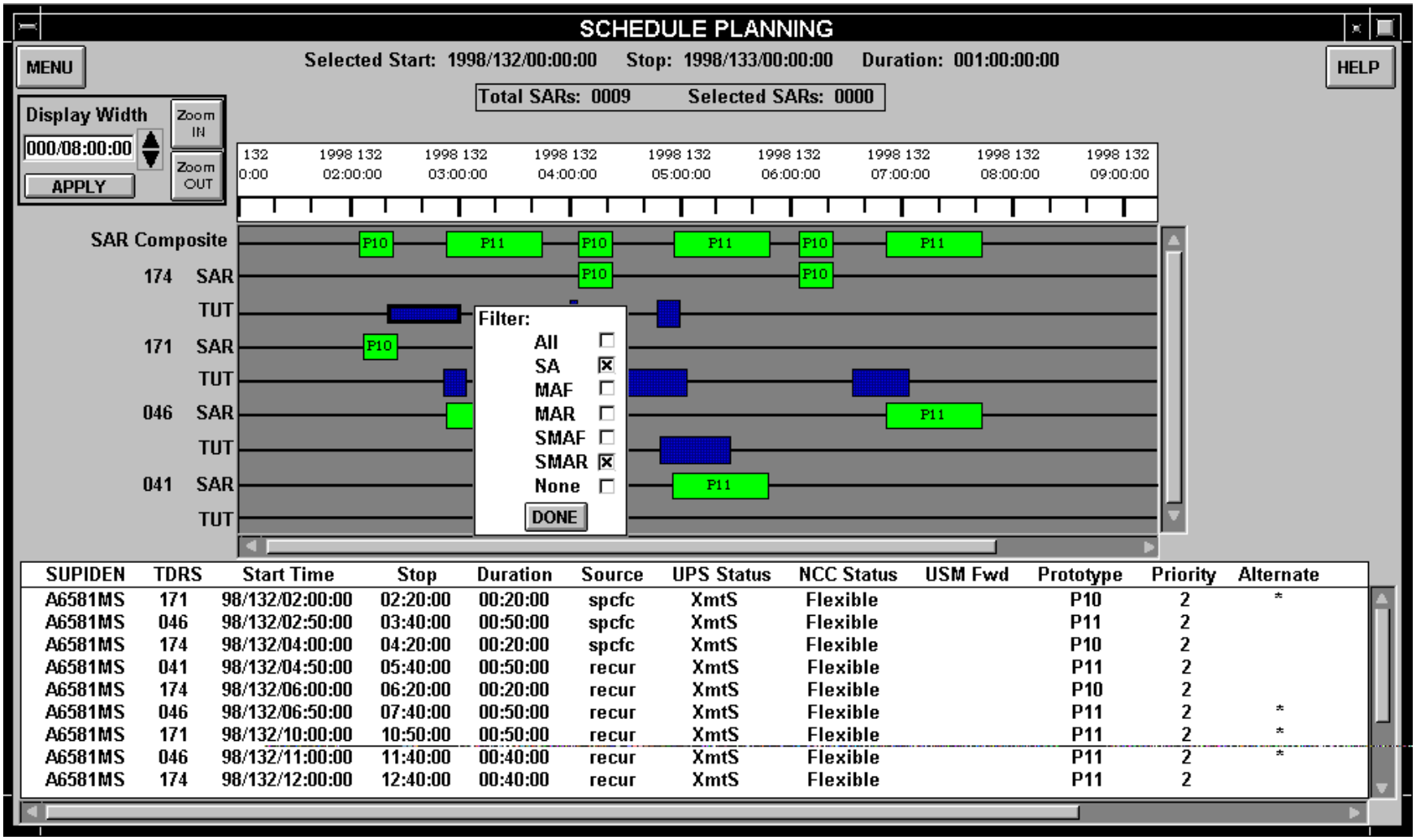
C-12. Schedule Planning Panel (with events displayed)



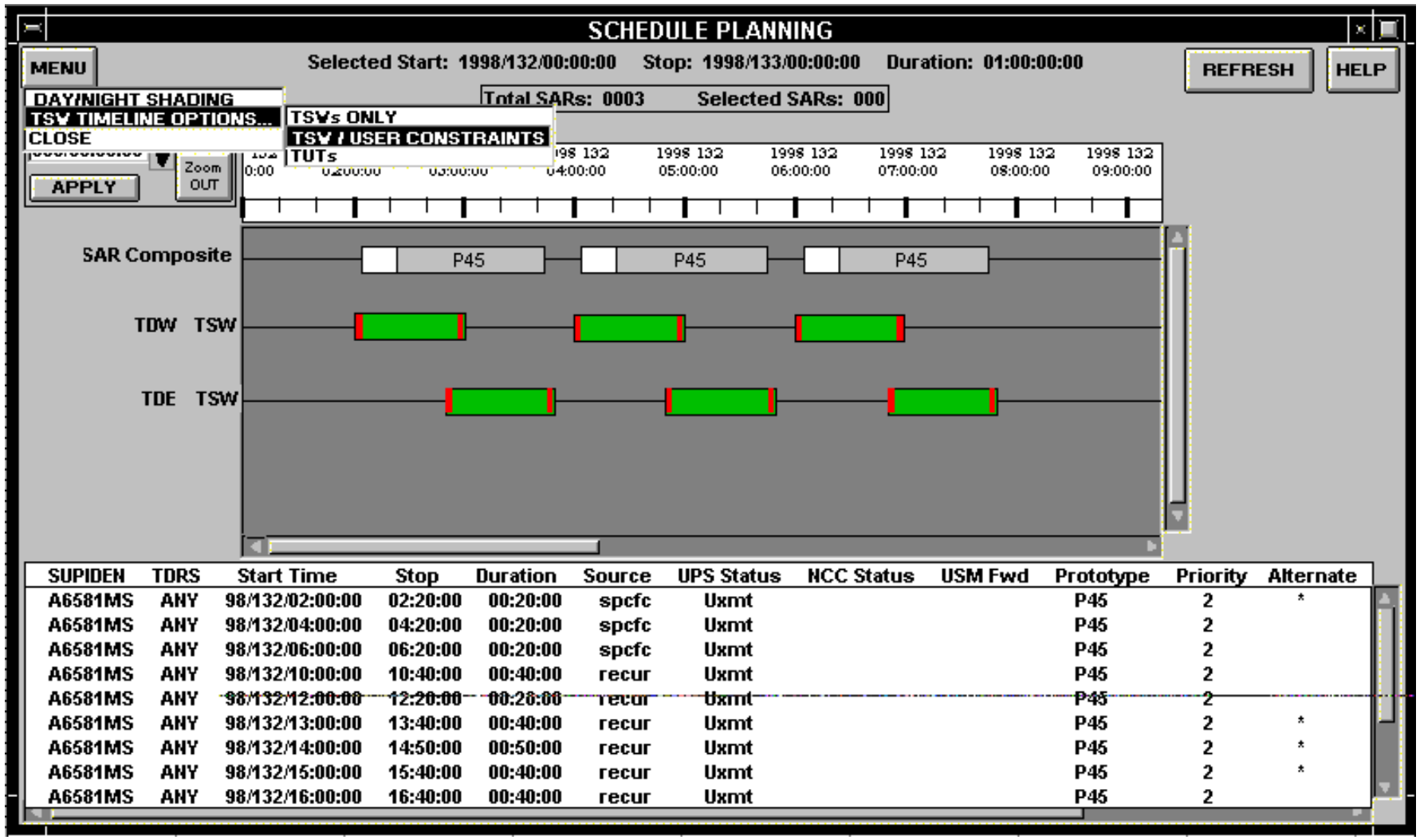
C-13. Schedule Planning Panel (with SAR Menu and Wait List selected)



C-14. Schedule Planning Panel (with TUT Status Window displayed)



C-15. Schedule Planning Panel (with TUT Menu displayed)



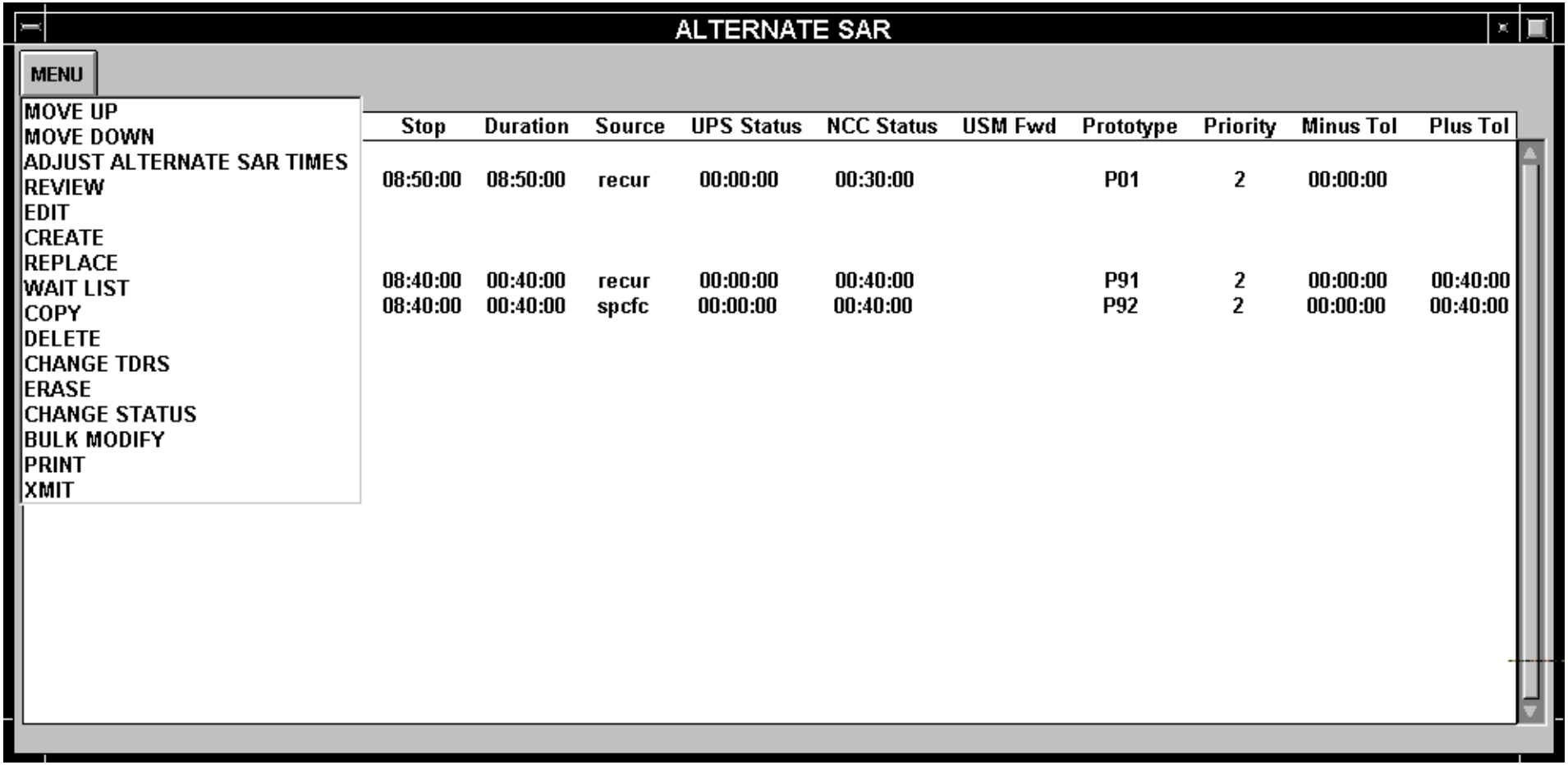
C-16. Schedule Planning Panel (with Schedule Planning Menu displayed, and Timeline Options selected)

ALTERNATE SAR

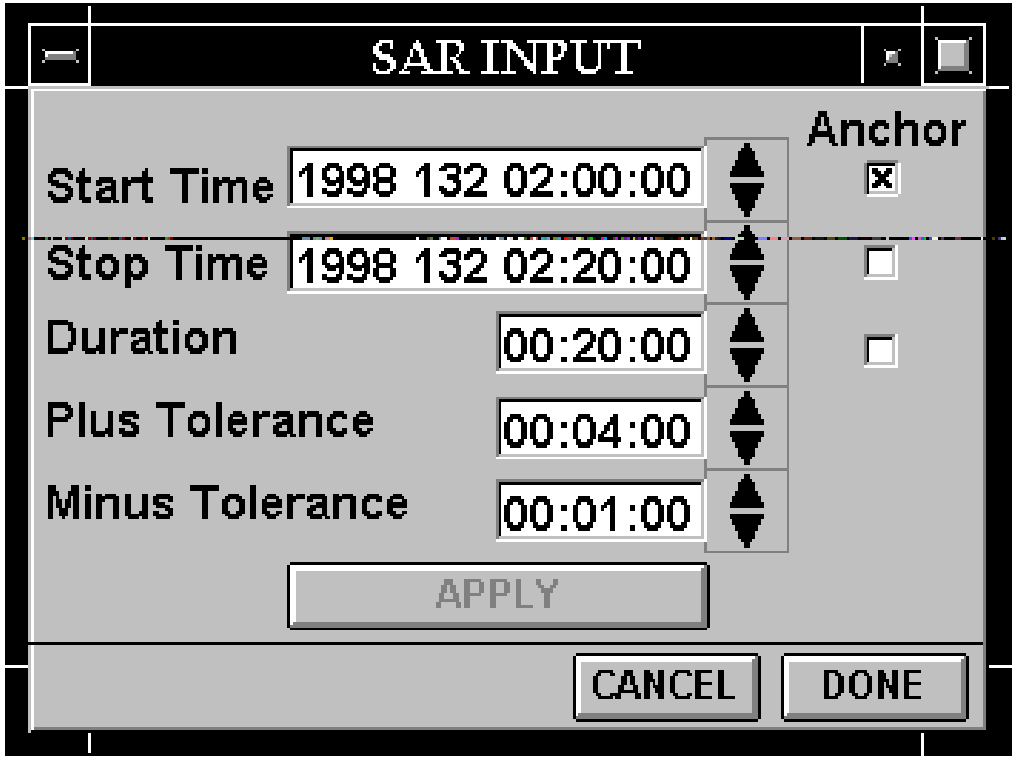
MENU

SUPIDEN	TDRS	Start Time	Stop	Duration	Source	UPS Status	NCC Status	USM Fwd	Prototype	Priority	Minus Tol	Plus Tol
PRIMARY SAR												
A6581MS	TDE	98/132/08:00:00	08:50:00	08:50:00	recur	00:00:00	00:30:00		P01	2	00:00:00	
00:00:00												
ALTERNATE SARS												
A6581MS	TDE	98/132/08:00:00	08:40:00	00:40:00	recur	00:00:00	00:40:00		P91	2	00:00:00	00:40:00
A6581MS	TDE	98/132/08:00:00	08:40:00	00:40:00	spcfc	00:00:00	00:40:00		P92	2	00:00:00	00:40:00

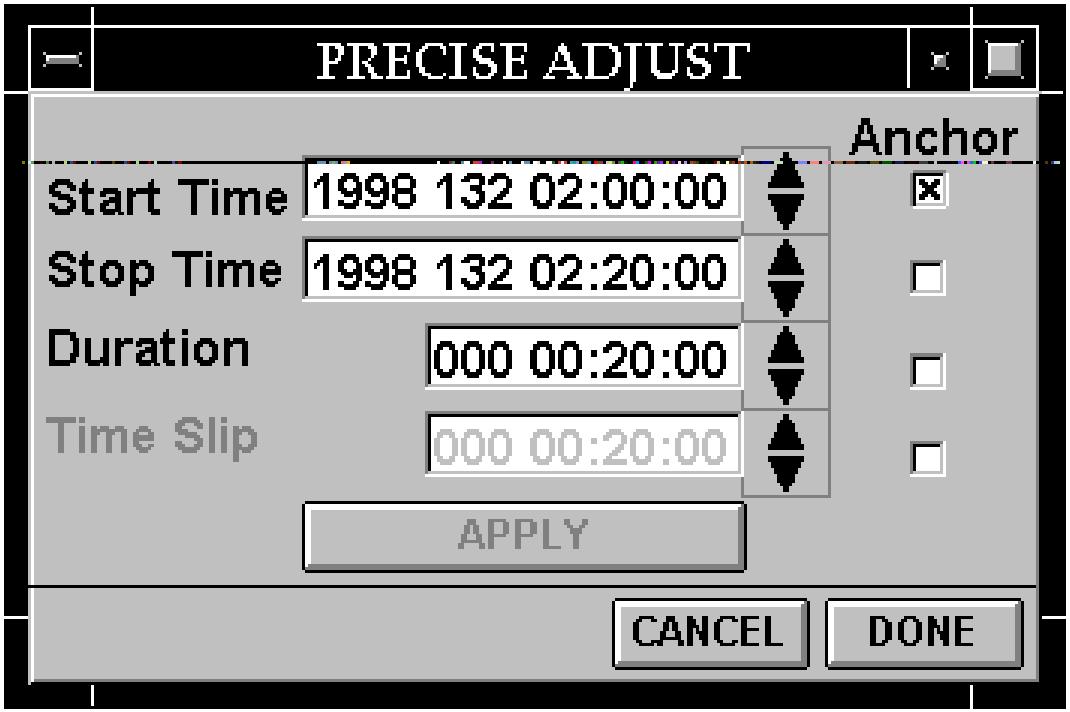
C-17. Alternate SAR Panel



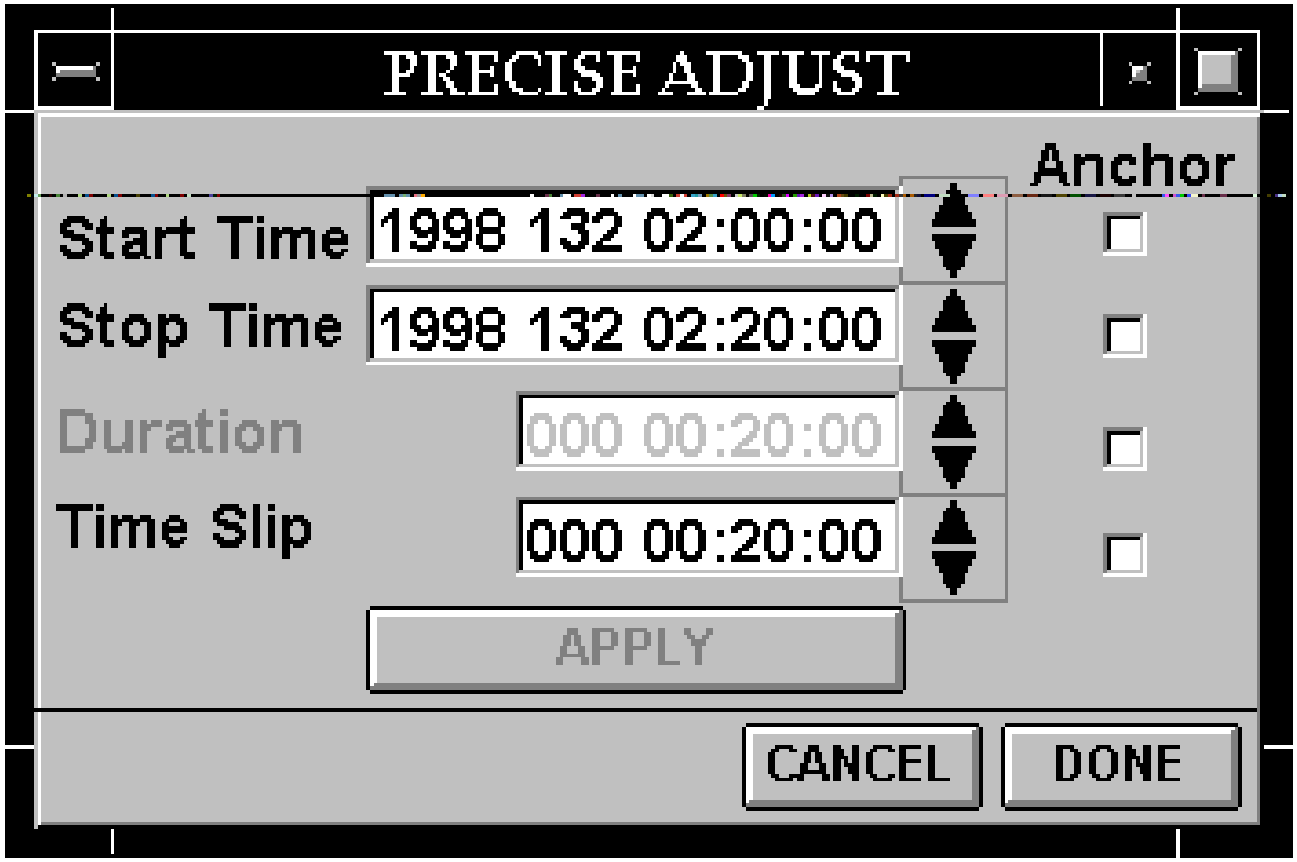
C-18. Alternate SAR Panel (with menu displayed)



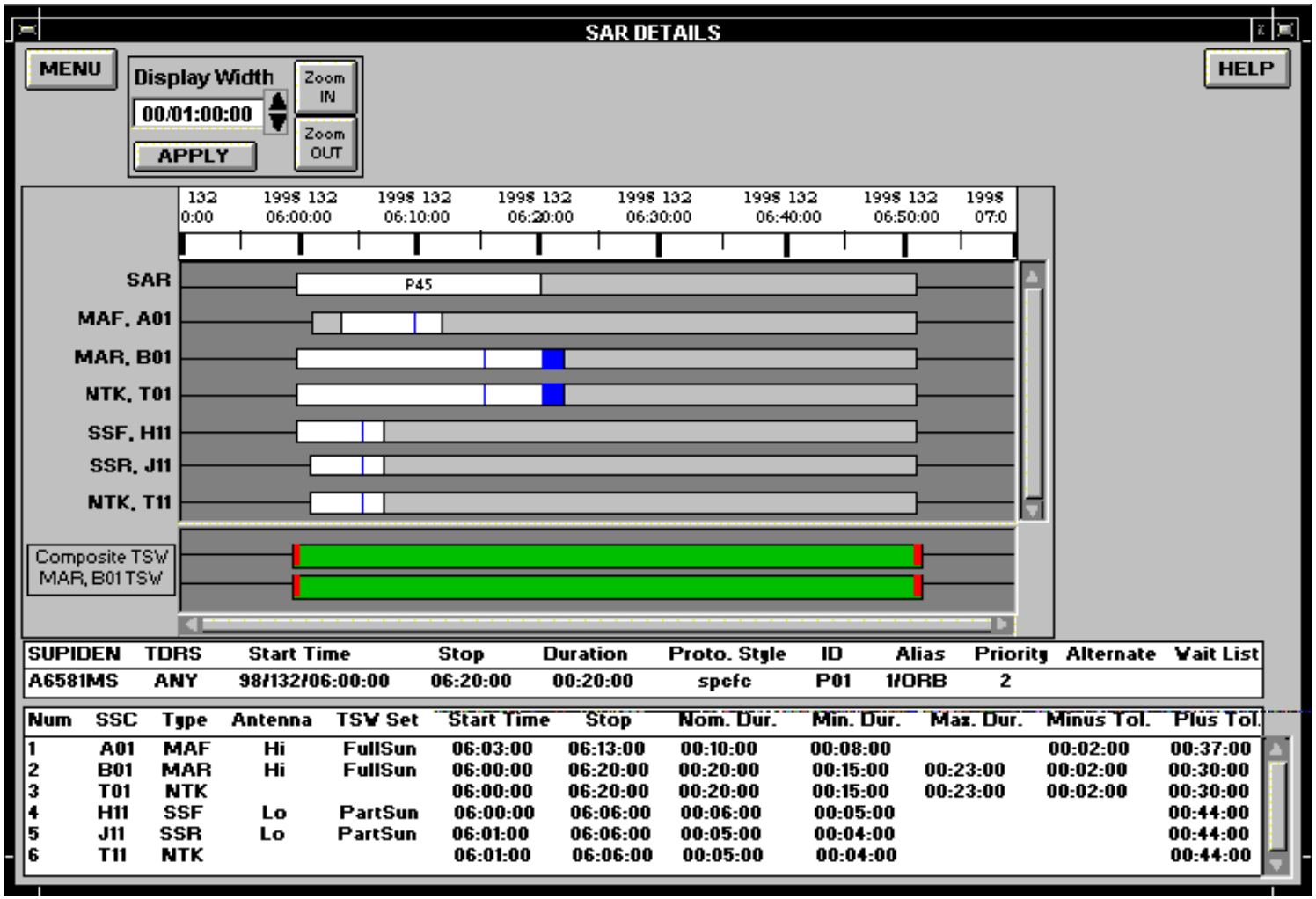
C-19. SAR Input Panel


PRECISE ADJUST
Anchor
Start Time
1998 132 02:00:00
Stop Time
1998 132 02:20:00
Duration
000 00:20:00
Time Slip
000 00:20:00
APPLY
CANCEL
DONE

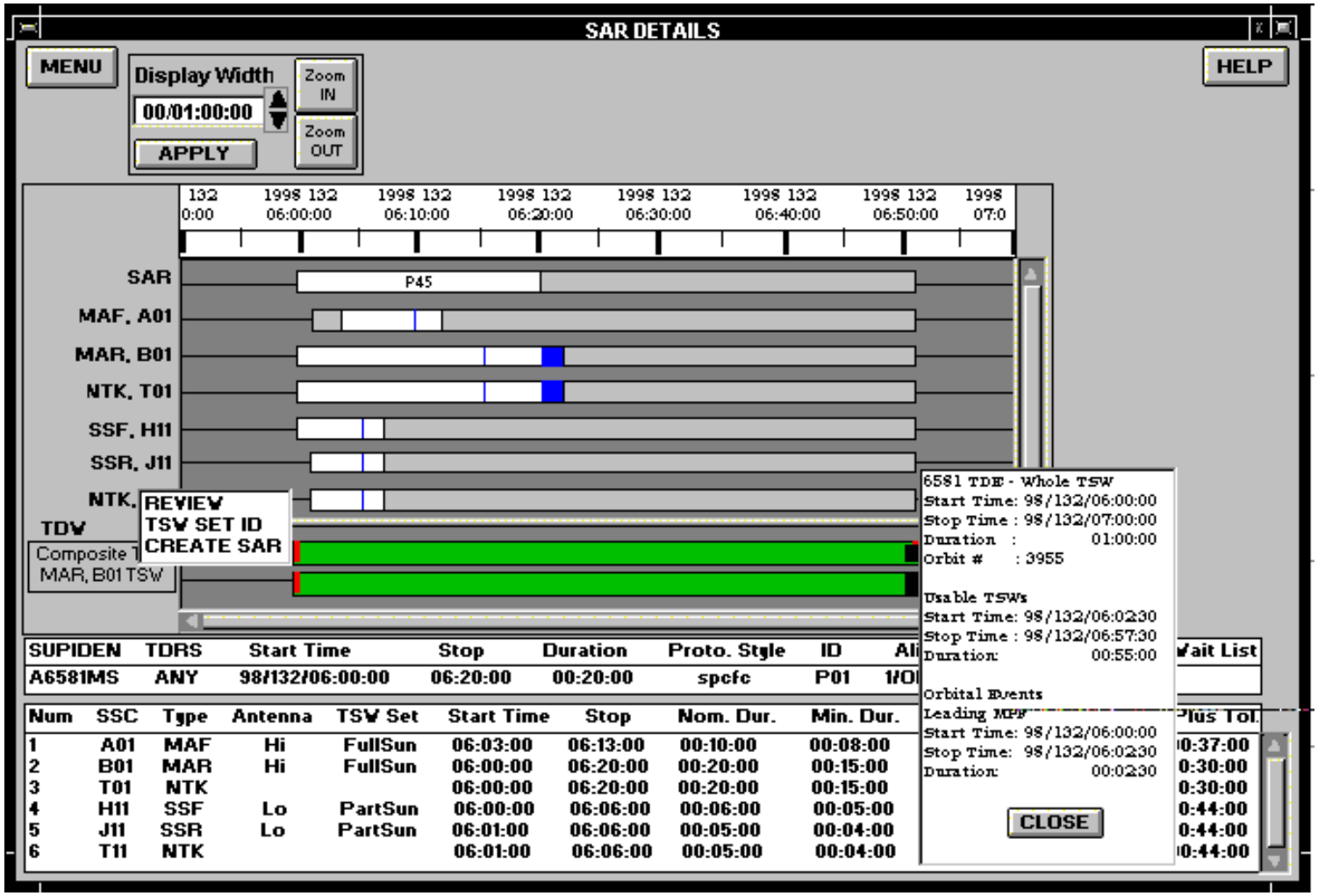
C-20. Precise Adjust Panel (with Duration enabled)



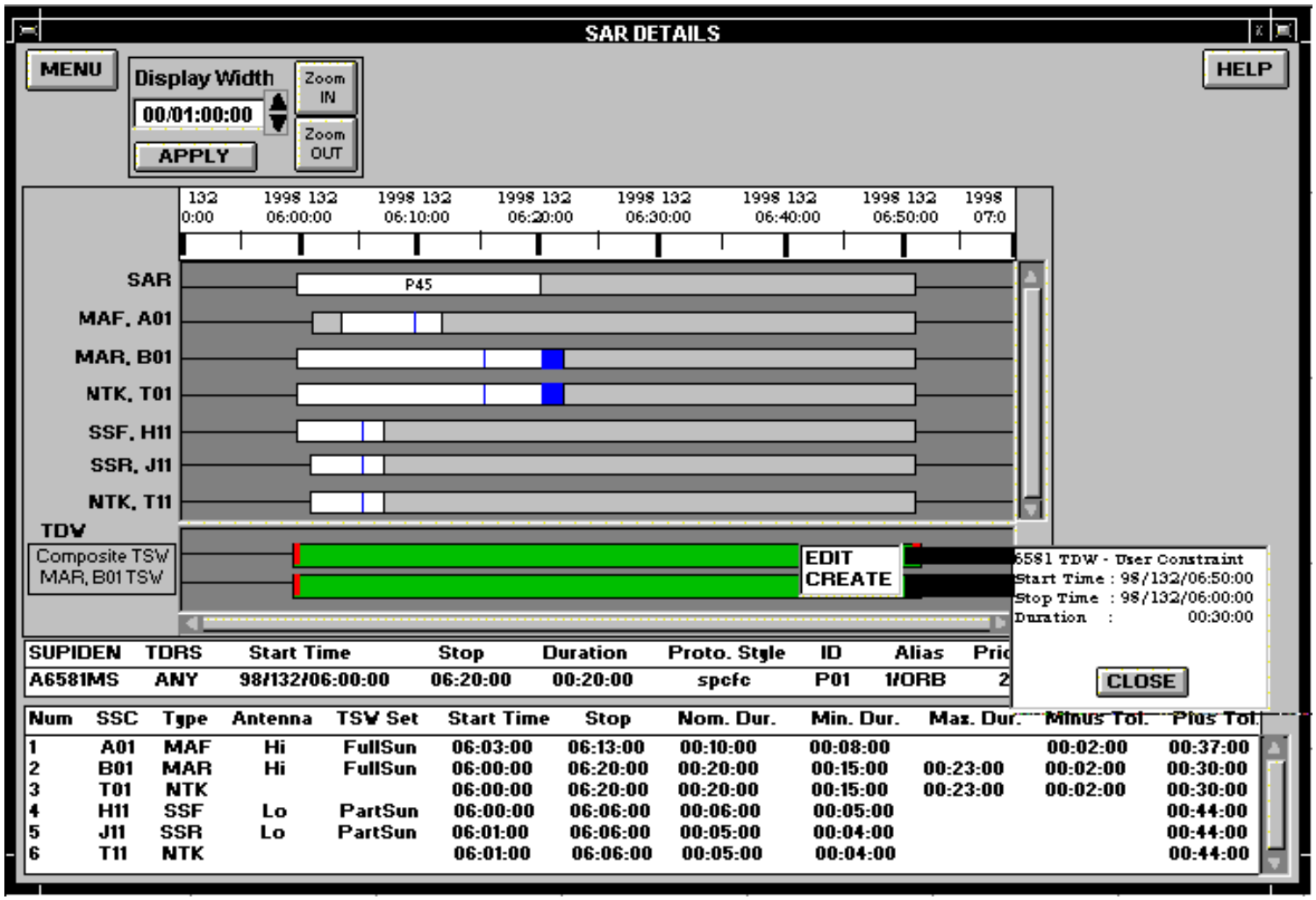
C-21. Precise Adjust Panel (with Time Slip enabled)



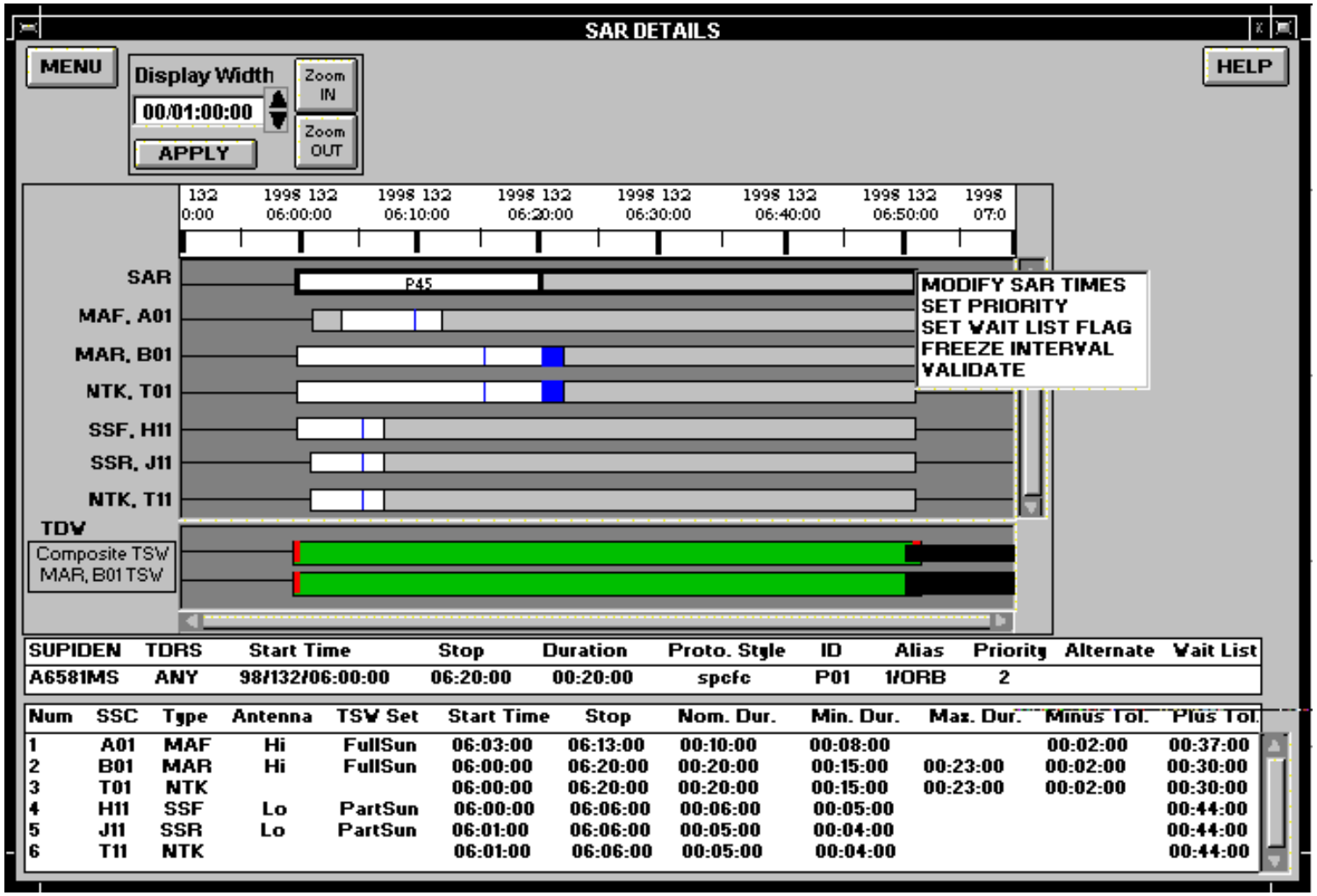
C-22. SAR Details Panel


SAR DETAILS
MENU
HELP
Display Width
00/01:00:00
APPLY
Zoom IN
Zoom OUT
SAR
MAF, A01
MAR, B01
NTK, T01
SSF, H11
SSR, J11
NTK,
TDV
P45
REVIEW
TSW SET ID
CREATE SAR
6581 TDE - Whole TSW
Start Time: 98/132/06:00:00
Stop Time : 98/132/07:00:00
Duration : 01:00:00
Orbit # : 3955
Usable TSWs
Start Time: 98/132/06:02:30
Stop Time : 98/132/06:57:30
Duration: 00:55:00
Orbital Events
Leading MPF
Start Time: 98/132/06:00:00
Stop Time: 98/132/06:02:30
Duration: 00:02:30
CLOSE
SUPIDEN TDRS Start Time Stop Duration Proto. Style ID
A6581MS ANY 98/132/06:00:00 06:20:00 00:20:00 spcfc P01
Num SSC Type Antenna TSW Set Start Time Stop Nom. Dur. Min. Dur.
1 A01 MAF Hi FullSun 06:03:00 06:13:00 00:10:00 00:08:00
2 B01 MAR Hi FullSun 06:00:00 06:20:00 00:20:00 00:15:00
3 T01 NTK 06:00:00 06:20:00 00:20:00 00:15:00
4 H11 SSF Lo PartSun 06:00:00 06:06:00 00:06:00 00:05:00
5 J11 SSR Lo PartSun 06:01:00 06:06:00 00:05:00 00:04:00
6 T11 NTK 06:01:00 06:06:00 00:05:00 00:04:00

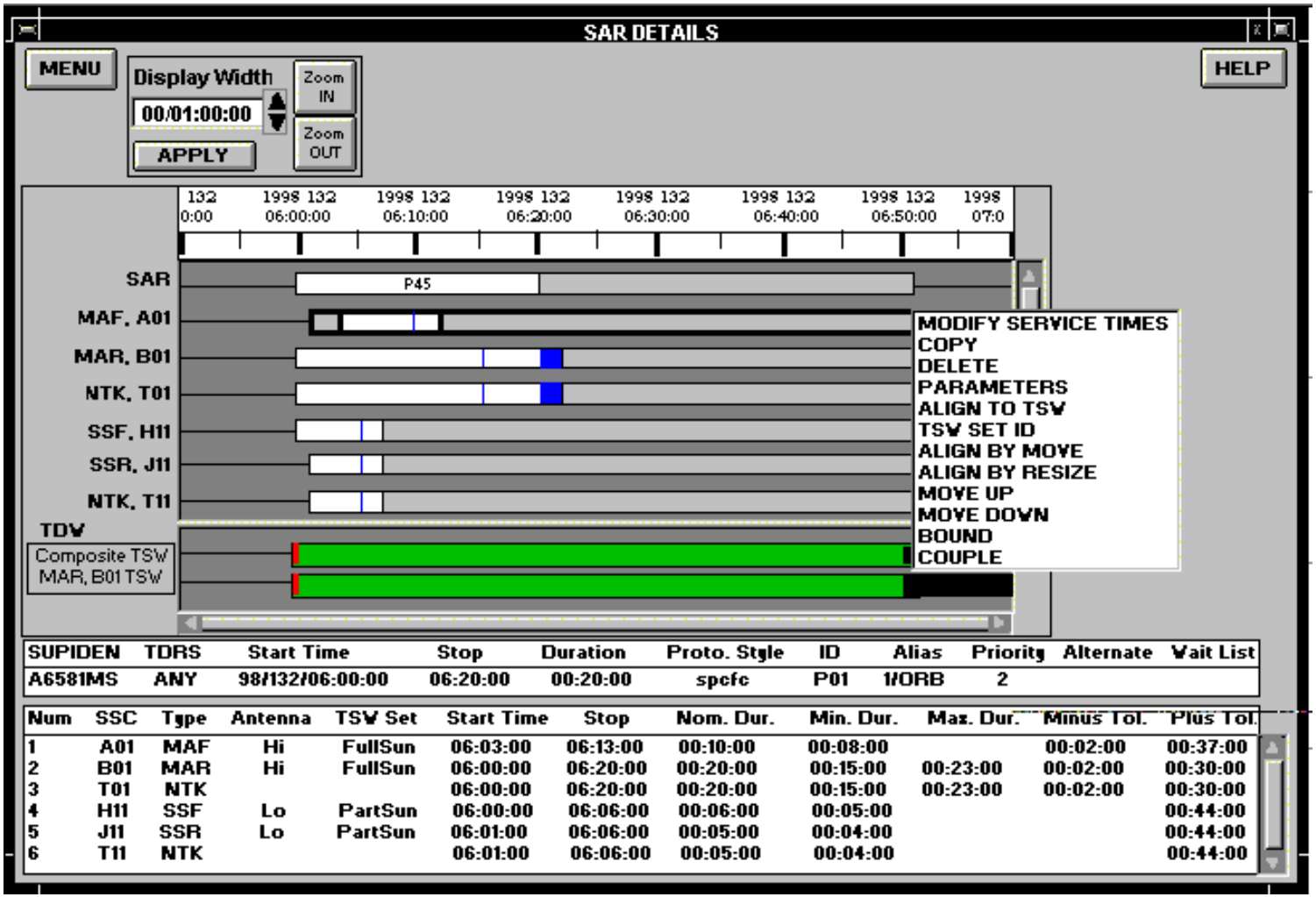
C-23. SAR Details Panel (with TSW Status Window and TSW Menu displayed)



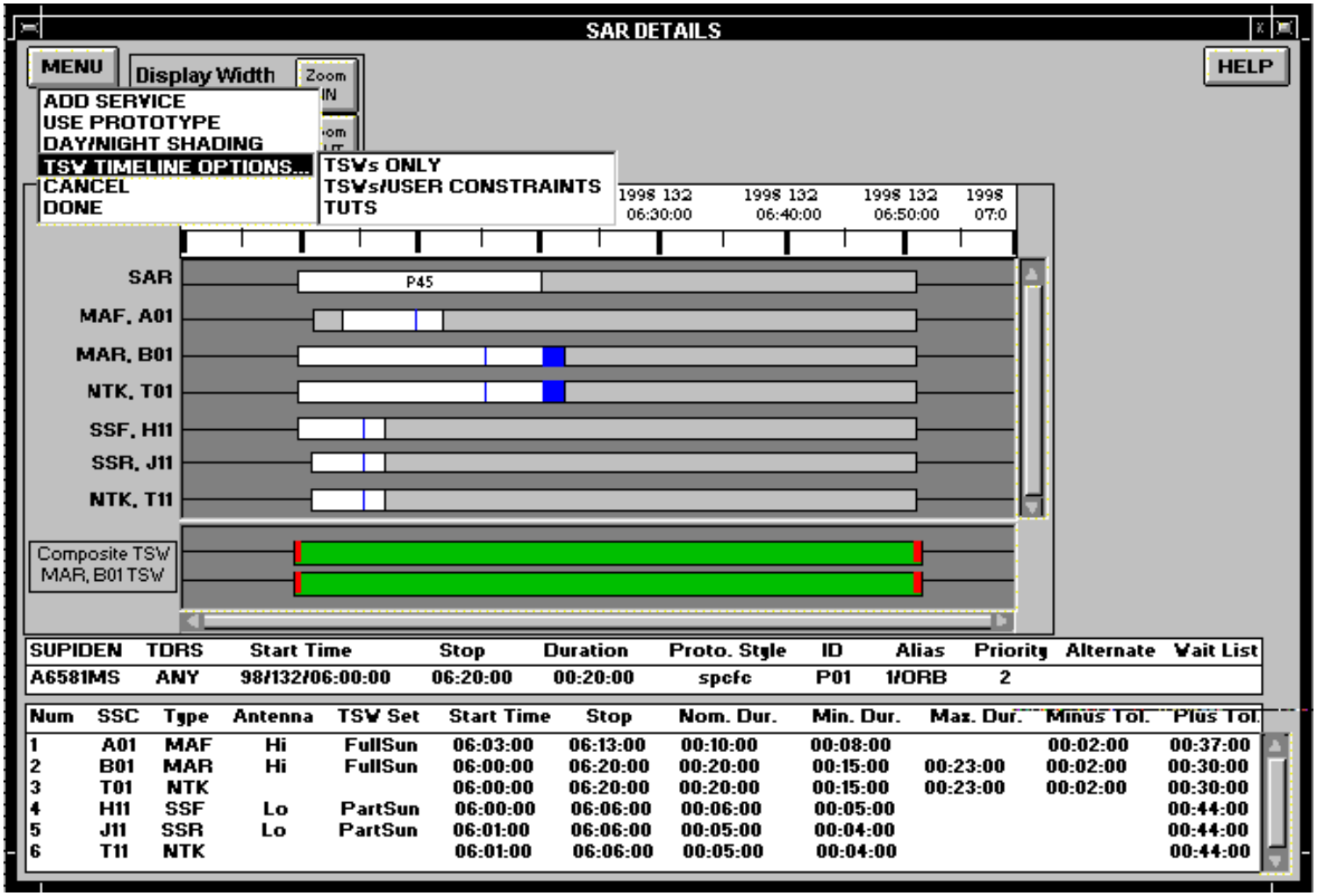
C-24. SAR Details Panel (with User Constraint Status Window and Menu displayed)



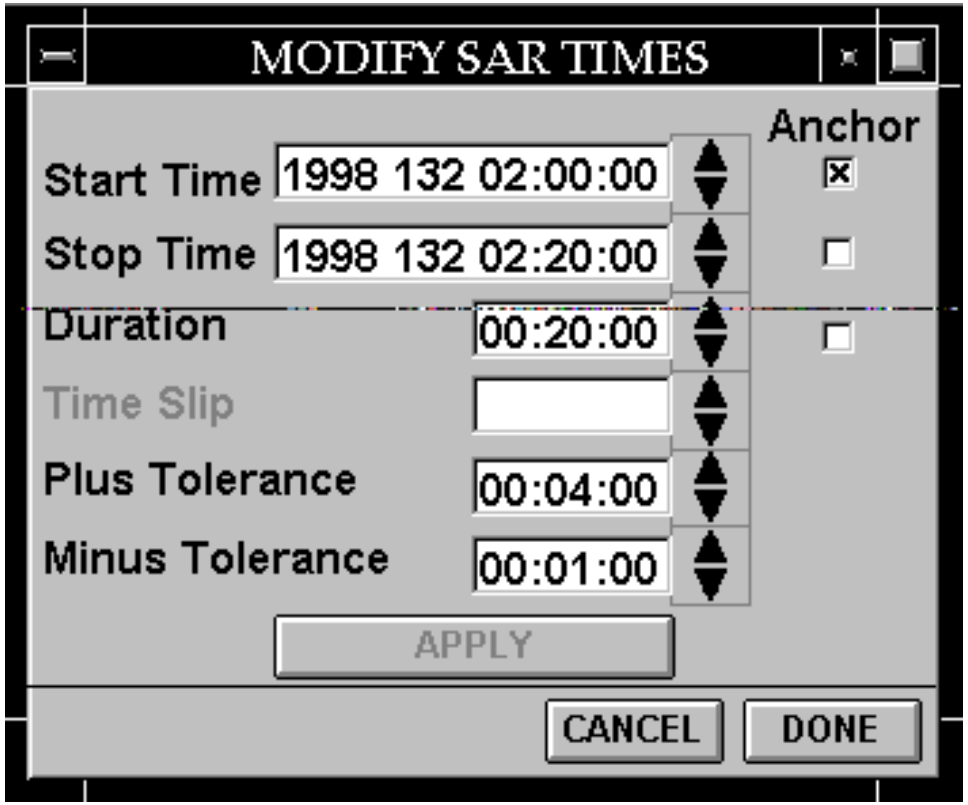
C-25. SAR Details Panel (with SAR Menu displayed)



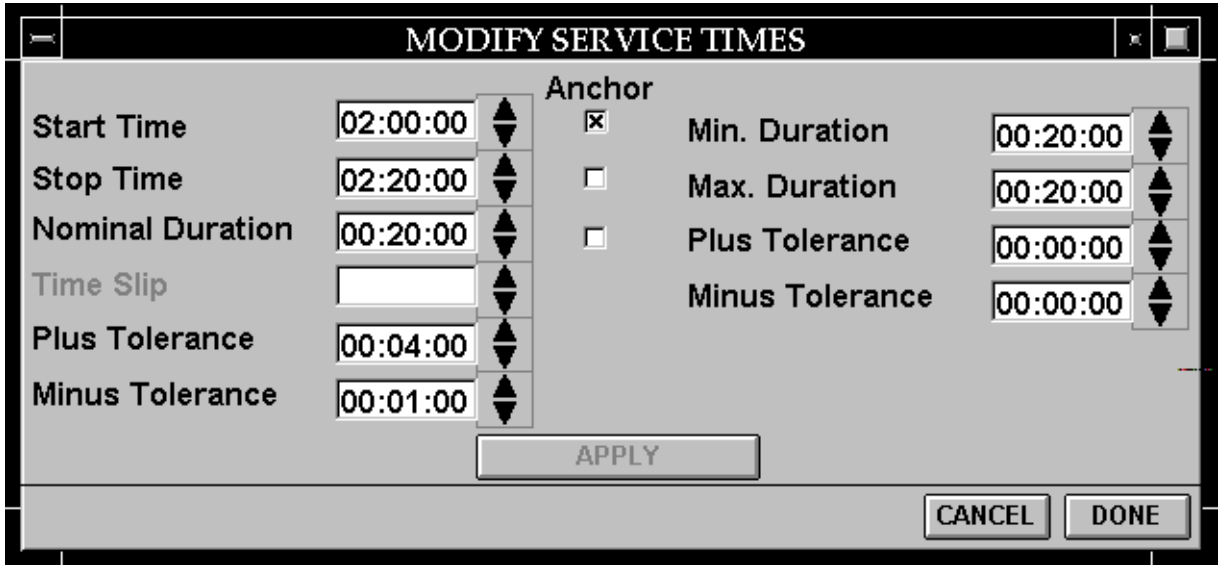
C-26. SAR Details Panel (with Service Menu displayed)



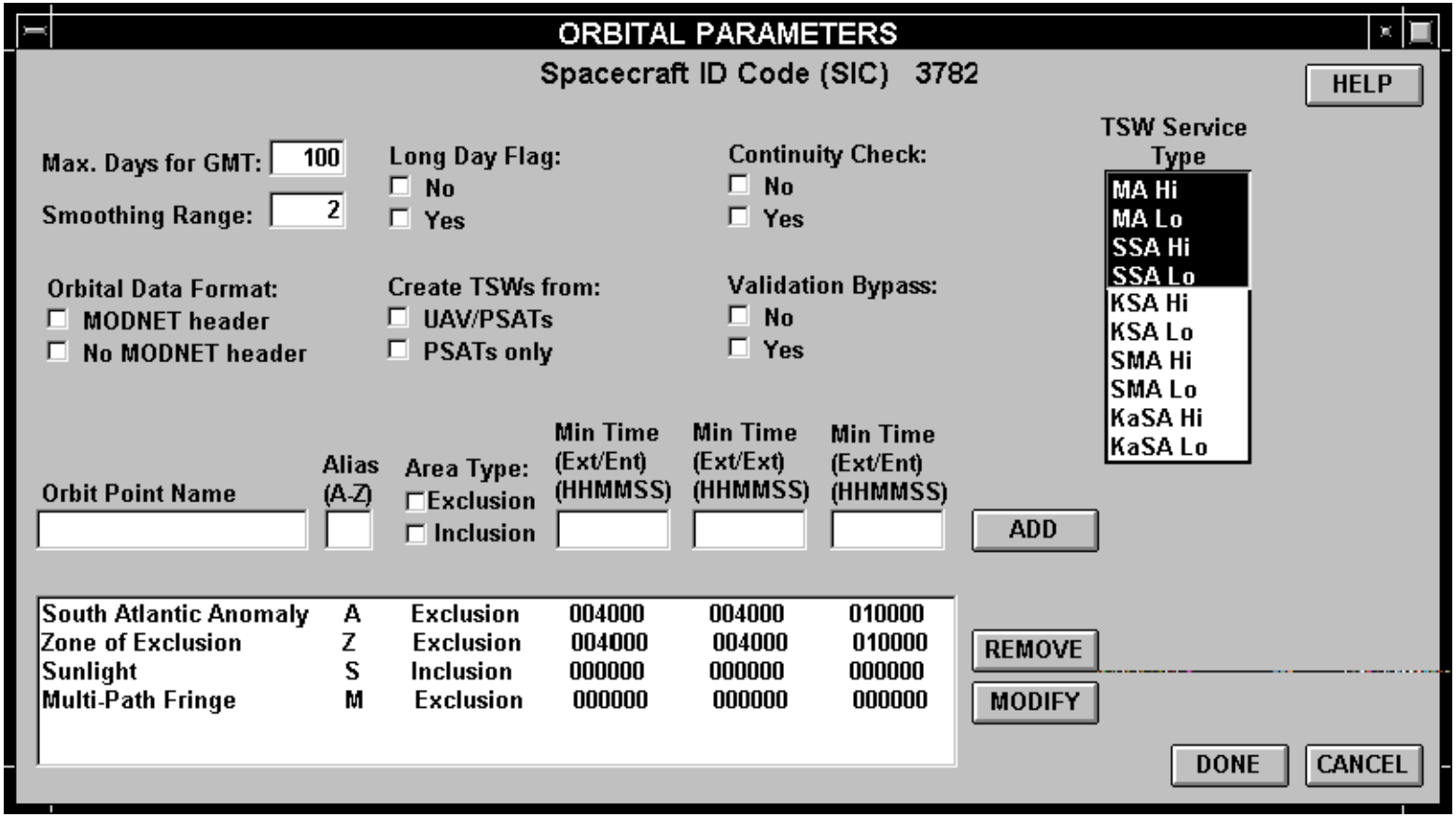
C-27. SAR Details Panel (with SAR Details Menu displayed)



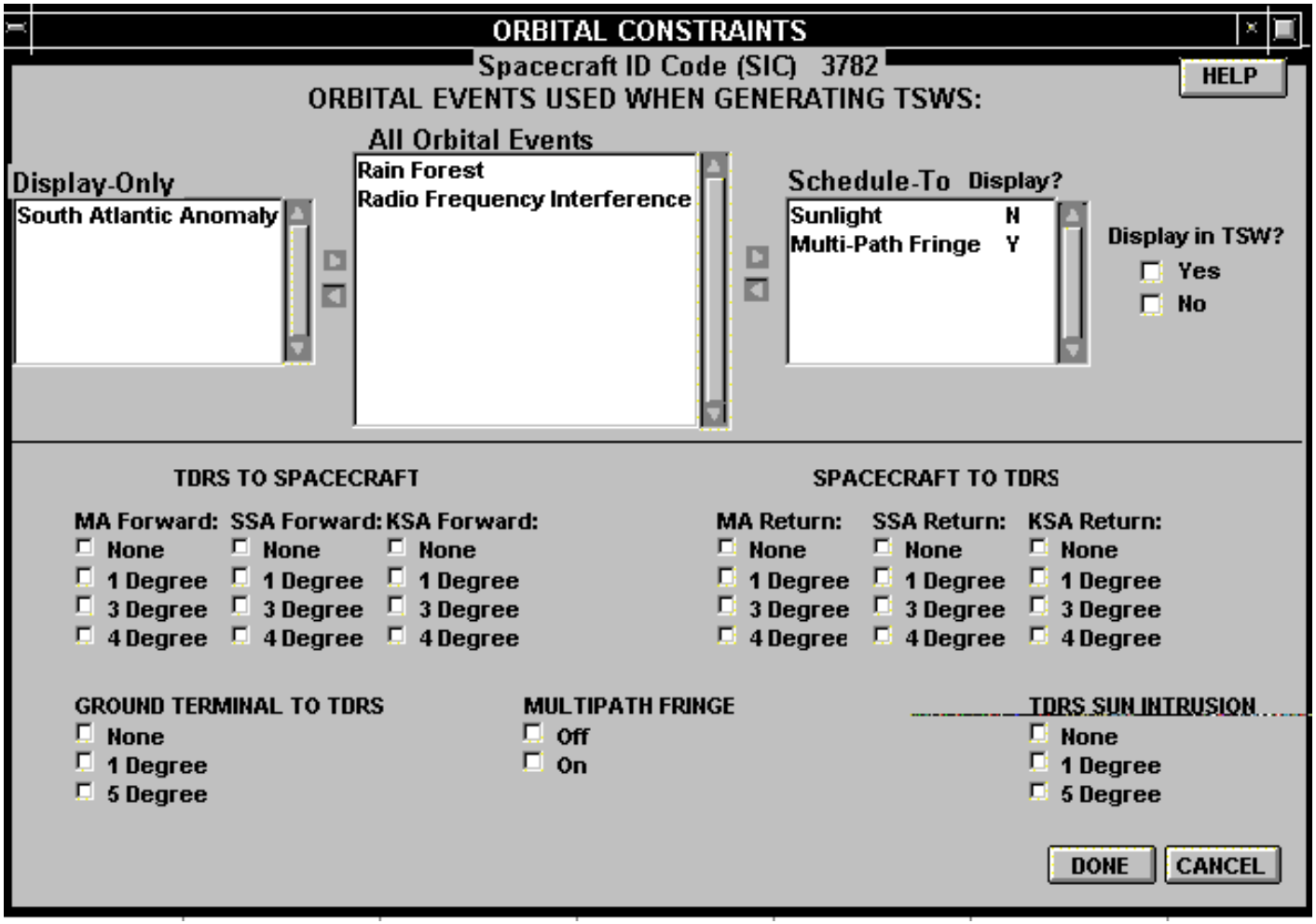
C-28. Modify SAR Times Panel



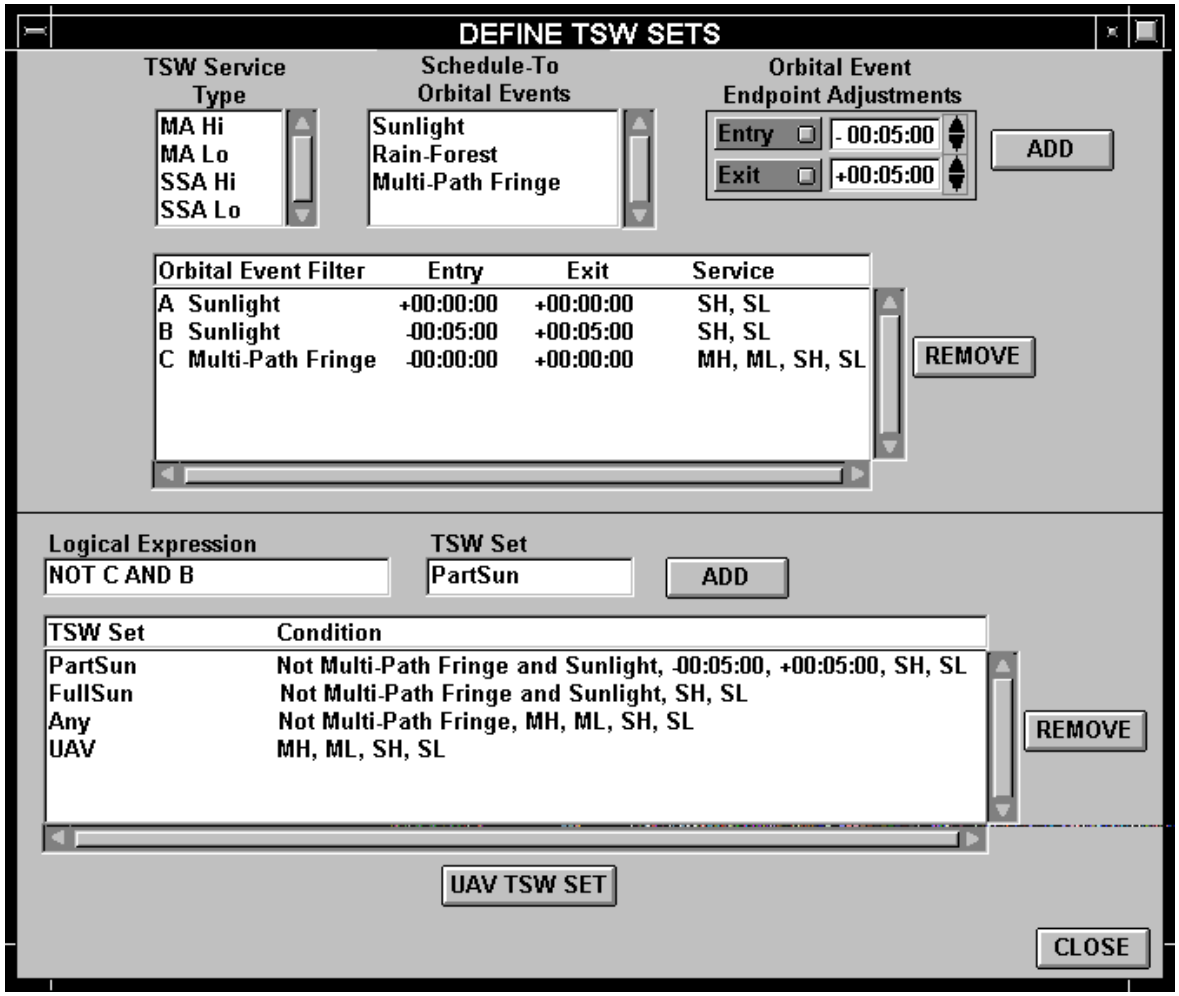
C-29. Modify Service Times Panel



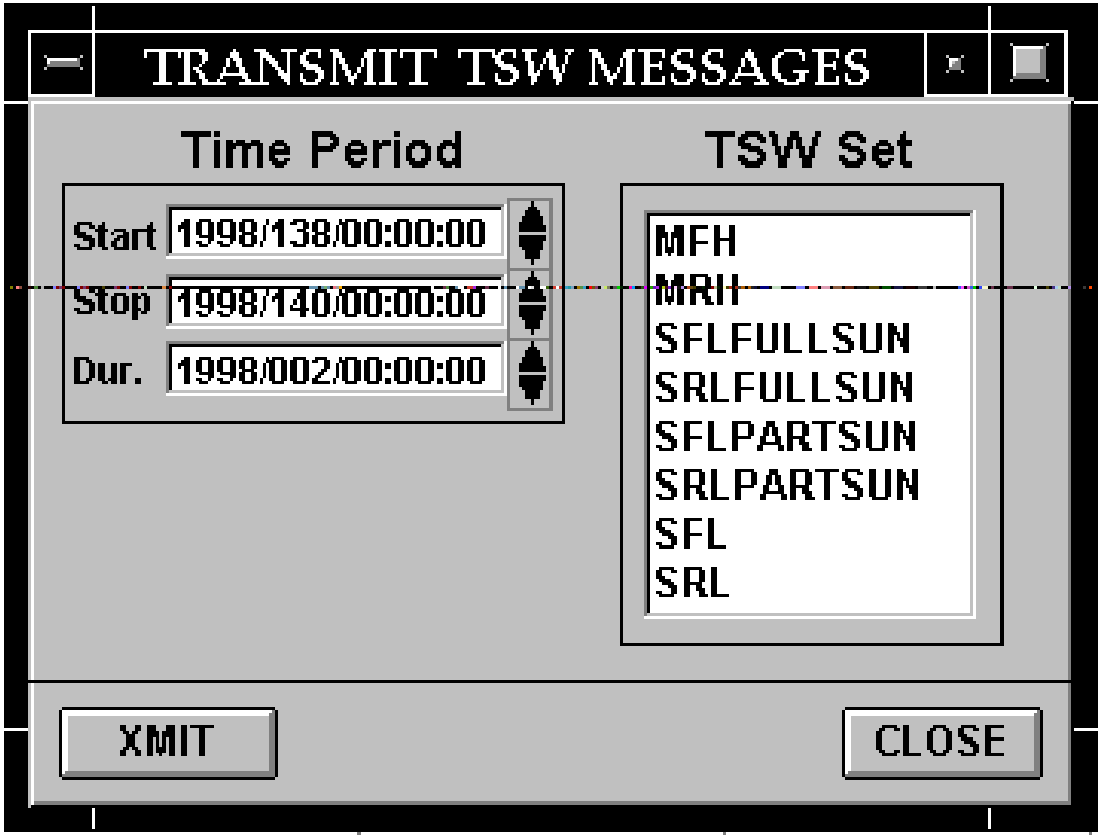
C-30. Orbital Parameters Panel



C-31. Orbital Constraints Panel



C-32. Define TSW Sets Panel



C-33. Transmit TSW Messages Panel