

On-Board Short Term Plan Viewer (OSTPV) version 1.7

OSTPV User's Guide version 1.7

May 2000



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version 1.7
User's Guide

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1.0 INTRODUCTION

The Onboard Short Term Plan Viewer (OSTPV) is a software tool that enables on-line access to planned station activities. It provides the capability to view and edit up to seven days of planned activities. OSTPV also provides easy access to the manual procedures associated with activities. Users have the option of customizing the timeline views and the color of the activity provides instant feedback on the status of an activity.

1.1 Scope

The OSTPV User's Guide provides detailed information regarding the operation of the OSTPV software. It does not provide detailed information on the installation of the software, administration, or requirements.

1.2 Purpose

The purpose of the OSTPV User's Guide is to provide instruction on the OSTPV software for users of all skill levels. It contains an overview of the OSTPV system, describes each available software option and provides procedures on the use of each option.

1.3 Assumptions

In writing the OSTPV User's Guide, it is assumed the user has a basic knowledge of the Microsoft Windows 95/98 operating system.

1.4 Document Organization

The OSTPV User's Guide is organized in the following manner:

Section 1 contains information on the purpose, organization, and assumptions made when writing the OSTPV User's Guide.

Section 2 lists the related documents referenced or used in writing the OSTPV User's Guide.

Section 3 provides a high-level system overview of the OSTPV system software.

Section 4 describes the various menu options of the OSTPV system.

1.5 Conventions

The **bold** type words denote all menu options and buttons. These bold items can accept mouse input.

The *italic* type words denote labels and inactive text.

When commands are presented as part of a procedure, they will be typed 'in single quotes'.

The phrases 'Click' and 'Click-on' are defaulted to mean click the left mouse button unless otherwise specified.

The Ctrl (Control) accelerator keys open up a dialog window while the Alt (Alternate) keys perform actions.

The Windows displayed are a representation of what the user will see on the screen. For example, the user will see their name and the data set date in the title bar.

2.0 RELATED DOCUMENTS

CSOC-JSC-DSP-000713
OOOI-98-01-Rev B
System Design Document

3.0 SYSTEM OVERVIEW

OSTPV provides the crew with the ability to view and annotate a set of structured data records representing crew, systems, and ground operation activities. It was originally designed to run on the SSC Client. OSTPV communicates with the Application Manager (AM) as well as the Activity Record Manager (ARM) that resides on the NT File Server. See Figure 3-1.

When the OSTPV Application is launched, it will register itself with the AM. If another copy of OSTPV is running on the same client, a message will be displayed stating another copy of the OSTPV application is already active. Once the user acknowledges this dialog, the OSTPV application will terminate.

In the event the AM is not running on the SSC client and the user attempts to launch OSTPV, a message will be displayed stating that the AM is not responding and the user will have the option to proceed without AM connection. *(Note: If OSTPV does not have a connection to the AM, then it will not be possible to launch the Manual Procedure Viewer (MPV) directly from the OSTPV application.)*

As part of the launching process, OSTPV will also connect to the ARM that resides on a NT file server. Once this connection is established, OSTPV requests the set of timelines that currently exist within the ARM server database. In the event the ARM does not respond, an error dialog pops up stating that the ARM may not be running and that the user should check to see if the ARM is installed properly and the configuration file (ostp.ini) contains the correct ARM_SERVER entry. OSTPV will not run unless ARM is installed correctly and running. For more information on the AM, ARM, MPV, and OSTPV structure, reference the SDD.

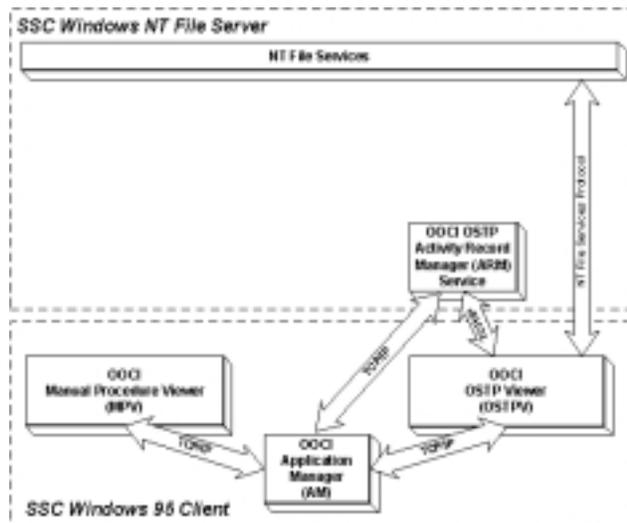


Figure 3-1 OSTPV Overview

3.1 Application Overview

When entering OSTPV, the Select Timeline window, shown in Figure 3.2, will appear. Select the desired timeline and then OK.

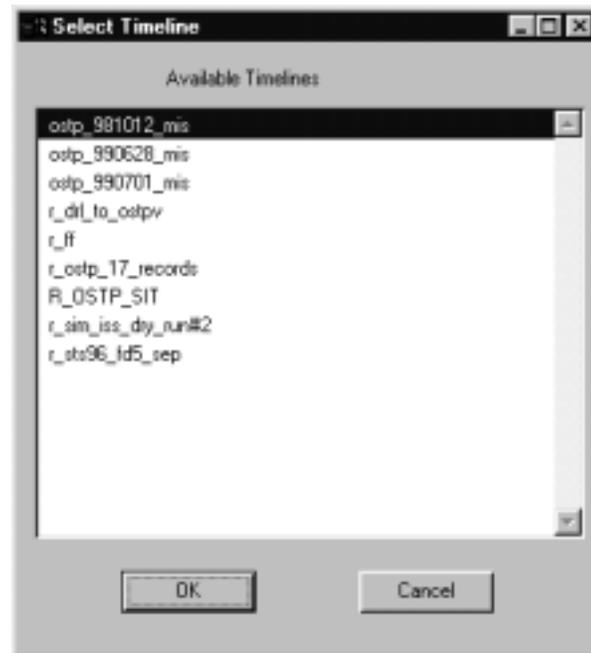


Figure 3-2 Select Timeline Window

The OSTP Viewer Main Window, shown in Figure 3-3, is the primary window for the user to begin navigating. Up to seven days of activities are displayed in a scrollable timeline. A graphical time indicator (thin vertical bar) moves with the current time.

Starting with the top of the OSTPV Main Window is the Title bar. Information will be displayed in the title bar indicating whether or not the user is running the Read Only version of OSTPV or the editable version. Next to the application name, the Windows login ID of the user will be displayed. Beside the user ID is the name of the timeline currently loaded followed by the date and time according to OSTPV. The time can either be real time or a simulation time. (Reference section 4.4.5, simulation time)

Below the title bar is the menu bar. See section 4.0 for details on the functionality of these options.

Directly under the menu bar are the Condition Bands. The Condition Bands can be hidden or sorted by the user via preferences. For more information on creating user-defined preferences, reference section 4.3.4.

The GMT time band will always be displayed below the condition band and can not be hidden by the user. Directly to the right of the GMT label is a number indicating the day of year the user is

currently viewing. Two numbers may represent this when viewing across day boundaries. (Ex. 172-173)

The Operator Bands are displayed below the GMT time band and can also be hidden or sorted by the user via preferences. For more information on customizing the Operator Bands refer to section 4.4.

At the bottom left of the screen is a label followed by two buttons. The label is the current time scale the user is viewing. The buttons are labeled with a “+” and a “-“ respectively and will expand or contract the amount of time visible in the window.

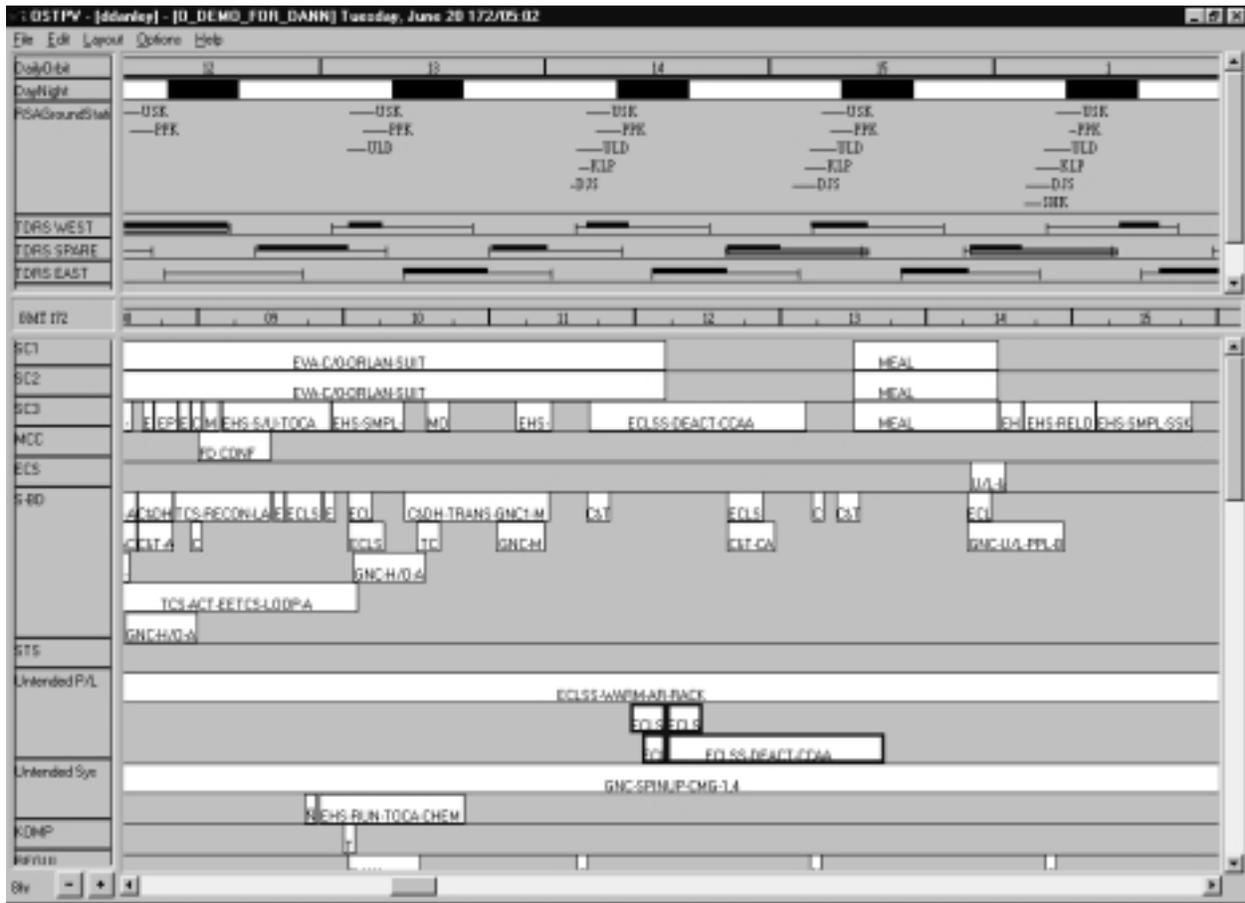


Figure 3-3 OSTP Viewer Main Window

NOTE: If there are no scheduled activities for the date requested, a message, as shown in Figure 3-4, will be displayed. Simply select to set the simulation time or set the simulation time to the first scheduled activity. When the select simulation time option is selected, the *Set Sim Time Dialog Window* is displayed, refer to section 4.4.6 for more detail. When the First Scheduled Activity option is selected, the application will automatically set the current time to the first scheduled activity of the timeline.

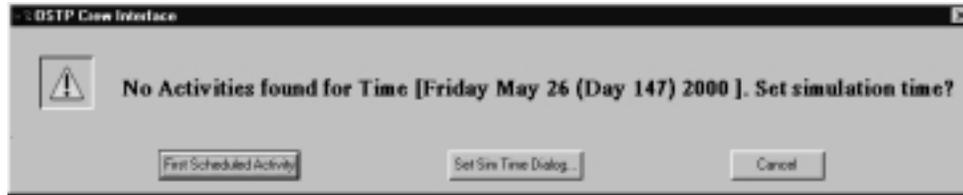


Figure 3-4 No Activities Found Window

On the timeline, detailed information about each activity can be displayed by right-clicking on the activity. The Activity Edit Dialog, as shown in Figure 3-5, will then be displayed.

3.1.1 Activity Edit Dialog Options

The Activity Edit Dialog window is divided into 6 tabs. They are General, Time, Auto, Operators, Reminder, and Notes Tabs. Each tab will be discussed in detail below.

General Tab:

The General Tab is shown in Figure 3-5. Table 3-1 provides a description of each of the General tab options and Table 3-2 describes the Activity Status option.

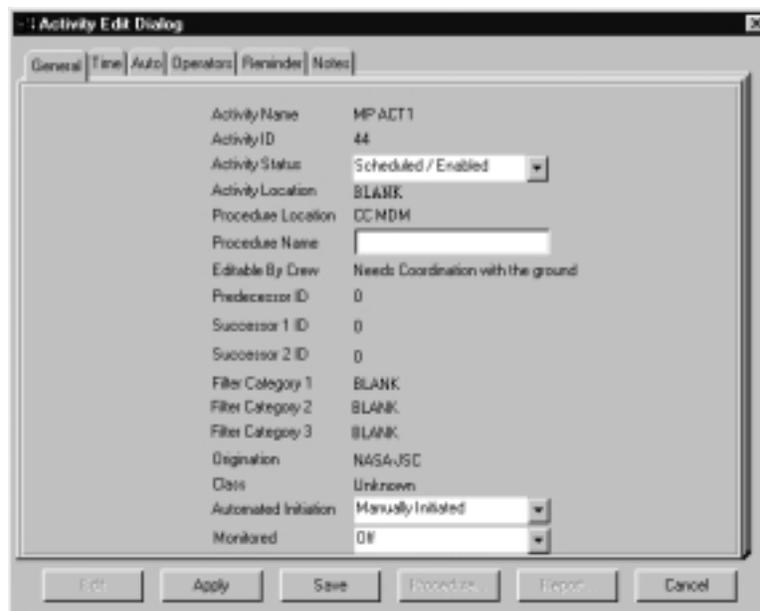


Figure 3-5 General Tab Window

Table ID	Description	Editable
Activity Name	Name of activity.	N
Activity ID	A unique activity identifier.	N
Activity Status	The state of the activity. See Table 3-2 for complete descriptions of each status option.	Y
Activity Location	Where the activity is to take place.	N
Procedure Location	Where the procedure is stored (file server, CD ROM, etc.)	N
Procedure Name	Identifies the file that contains the procedure associated with this activity. An appropriate file type extension is assumed (.tlx for Timeliner bundles) based on values for the Procedure Location and Automated Initiation attributes of this activity.	Y
Editable by Crew	Indicates to the crew whether or not they can edit the record onboard without prior coordination with the ground.	N
Predecessor ID	Identifies the predecessor activity (if one exists) - used by OOCI displays only.	N
Successor 1 ID	Identifies the first of two possible successor activities that should not start until this activity has completed.	N
Successor 2 ID	Identifies the second of two possible successor activities that should not start until this activity has completed.	N
Filter Category 1	Filter category.	N
Filter Category 2	Filter category.	N
Filter Category 3	Filter category.	N
Origination	Indicates origination of activity, used on ground or in PCS for filtering.	N
Class	Indicates the class of activity, used on ground or in PCS for filtering.	N
Automated Initiation	Indicates whether this activity references and automated procedure that is to be initiated by the Plan Manger	Y
Monitored	Indicates that the progress of the activity is to be monitored.	Y

Table 3-1 General Tab Table

To Edit the Status of an Activity:

1. At the General Tab of the Activity Edit Dialog, select Edit from the Activity Window.
2. Select the appropriate Status shown in the list in table 3-2.

Not Scheduled	Tasks that are not assigned to a specific operator or time.
Schedule / Enabled	An activity that has been incorporated into the OSTPV and is ready for action.
Expired	All activities that have specified start times that have passed.
Active	When the crew begins an activity, the associated activity status is active.
Schedule / Disabled	A record of any activity in the OSTP that indicates the activity will not be performed.
Aborted	Any activity that has been stopped or aborted for some reason.
Failed	An operator may modify the status of any activity referencing a manual procedure to 'failed', to indicate that the tasks could not be completed.
Paused	An operator may set the status of an activity referencing a manual procedure to 'paused' when the progress has temporarily stopped and the operator intends to return and finish the task at a later time.
Completed	When the crew finishes a manual procedure, the associated activity status is completed.
Modified	Alerts the crew and ground controllers that activities have changed and should be reviewed.

Table 3-2 Activity Status Table

3. If editing is complete, select Save or Apply to save the changes.

Time Tab:

The Time Tab, shown in Figure 3-6, contains the activity Start, Duration, Slip, and End times. The times are shown in month, day, year, hour, and minute increments. If the user changes the start time, the end time is adjusted. If the duration is changed, the end time is altered to reflect a new end time. Changing the end time, will adjust the start time. Selecting 'Unschedule' places the activity in the task list.



Figure 3-6 Time Tab Window

Table ID	Description	Crew Editable
Start	Time activity is scheduled to begin.	Y
Duration	Time activity is expected to last, allow for durations in excess of six weeks.	Y
End	Time activity is scheduled to end.	Y
Slip Time	Duration in minutes, scheduled start time may be slipped if predecessor is not complete.	Y

Table 3-3 Time Tab Table

To Edit the Time Tab:

1. Select Unschedule
Or
Change the Start, Duration, or End time
2. If editing is complete, select Save or Apply to save the changes.

Auto Tab:

The Auto Tab is shown in Figure 3-7. Table 3-4 contains a description of each of the Auto Tab options.

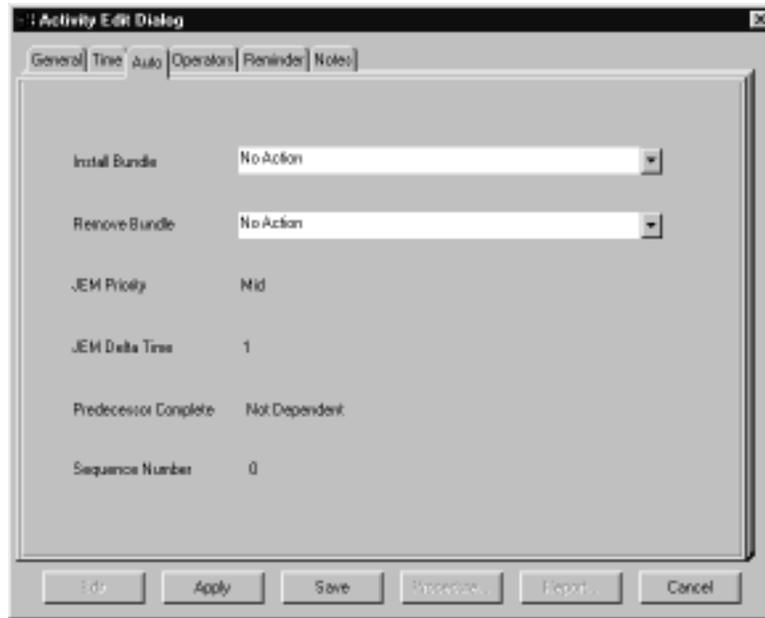


Figure 3-7 Auto Tab Window

Table ID	Description	Crew Editable
Install Bundle	This flag directs the Plan Manager to format and send the install bundle command to the Procedure Executor associated with this activity prior to initiating the automated procedure.	Y
Remove Bundle	This flag directs the Plan Manager to format and send the remove bundle command to the Procedure Executor associated with this activity after the automated procedure has procedure.	Y
JEM Priority	Not Used in OSTPV.	N
JEM Delta Time	Used for the automated procedures in the JEM.	N
Predecessor Complete	Not Used in OSTPV.	N
Sequence Number	Not Used in OSTPV.	N

Table 3-4 Auto Tab Table

Operators Tab:

The Operators Tab, shown in Figure 3-8, displays the operators assigned to the activity. See Section 4.3.2 for a description of the operators.

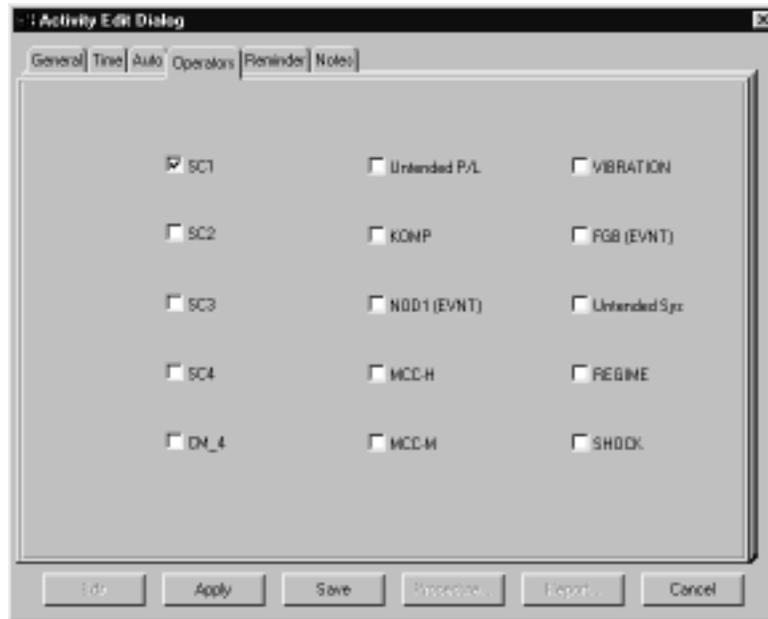


Figure 3-8 Operators Tab Window

Editing an Operator:

1. Select the Operators to be assigned to the activity.
2. If editing is complete, select Save or Apply to save the changes.

Note: The names of the operators may change based on the data set being used.

Reminder Tab:

The Reminder Tab, shown in Figure 3-9, enables the user to set up a pop-up reminder with and an audio reminder for any activity. A message about that particular activity can be written in the Note section. This note will be stored in the ARM database, so the user can be on any SSC Client when the reminder is displayed.

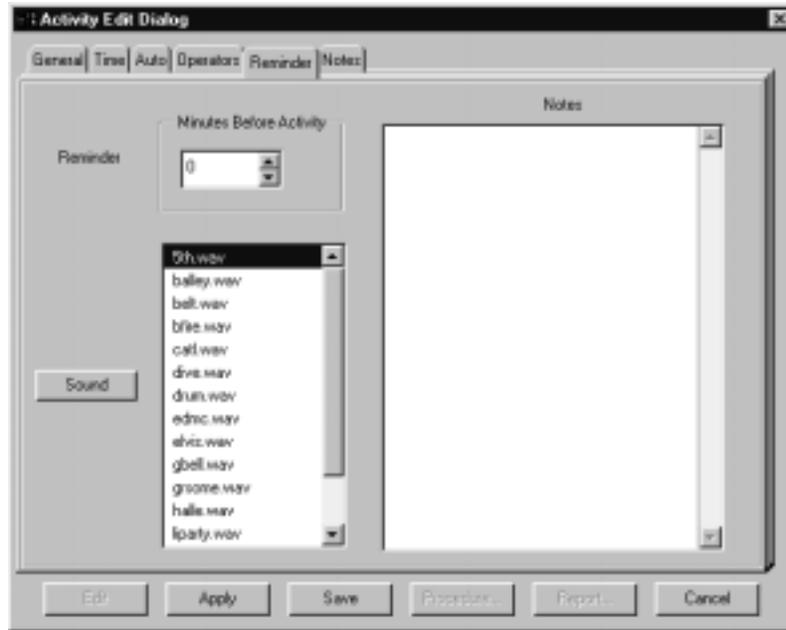


Figure 3-9 Reminder Tab Window

Table ID	Description	Crew Editable
Reminder	Interval in minutes, a reminder is to be activated before the activity begins.	Y
Sound	Identifies one of sixteen possible sounds to be generated upon OOCI notification.	Y
Notes	Crew editable message to be displayed when the reminder is activated.	Y

Table 3-5 Reminder Tab Table

To Edit A Reminder:

1. Select the amount of time before the activity you wish to be reminded.
2. Select the sound.
3. Enter text to be displayed with reminder.
4. If editing is complete, select Save or Apply to save the changes.

Notes Tab:

The Notes tab, shown in Figure 3-10, contains the Execution Notes, Ops Notes, and Crew Notes for the selected activity.



Figure 3-10 Notes Tab Menu

To Edit A Note:

1. Enter appropriate text into the Execution Notes, Ops Notes or Crew Notes fields.
2. If editing is complete, select Save or Apply to save the changes.

Note: When applying or saving changes to an activity record please remember the save button will save the changes and close the dialog. The Apply button saves the changes and keeps the dialog active.

Note: Some activities need coordination with the ground. When this is the case, a warning window, as shown in Figure 3-11, will be displayed. Follow established procedures to edit these activities.

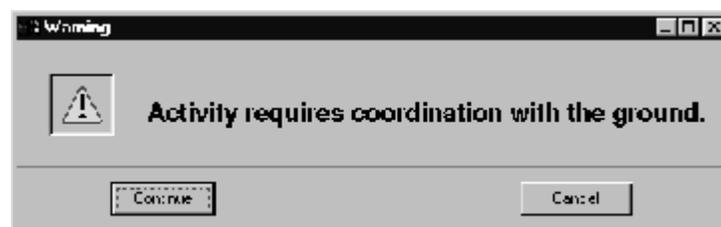


Figure 3-11 Warning

In order to begin editing the activity record, a lock must be established from the ARM server to prevent simultaneous updates to the same record. To establish a lock, select the Edit button. If a lock is established, the Save and Apply buttons will become enabled as well as the editable fields within the activity record. If another user is editing that activity, a message will be displayed that the activity record could not be locked and will display the name of the user who has that record locked.

If this activity has a procedure associated with it, the Procedure button will be active. The user can then select the Procedure button and MVP will be launched with the associated procedure brought to the foreground. The user can also generate a report of the timeline using the Report option. When this option is displayed, the *Report Generator Window*. Refer to Section 4.3 for more detail.

4.0 OSTPV MENU BAR OPTIONS

The OSTPV Menu Bar Options are File, Edit, Layout, Options, and Help. The File and Edit options are for displaying and revising a timeline. The Layout and Options selections provide various options for viewing the timeline. Below is a description of each menu bar option for the OSTPV application.

4.1 File

The following describes the **File** Menu option. The user will be able to select, delete, or export to Microsoft Outlook a timeline as well as quit the OSTPV application.

File	
Select Timeline ...	Ctrl + S
Delete Timeline ...	Ctrl + D
Outlook Export ...	Ctrl + O
Quit	Ctrl + Q

4.1.1 Select Timeline

Ctrl + S

The **Select Timeline** menu option allows the user to choose a particular timeline to be viewed. The *Select Timeline Window* will be displayed. Refer to Section 3.1.

4.1.2 Delete Timeline

Ctrl + D

The **Delete Timeline** menu option allows the user to remove a particular timeline using the *Delete Timeline Window*, as shown in Figure 4-1.



Figure 4-1 Delete Timeline Window

4.1.3 Outlook Export

Ctrl + O

The **Outlook Export** menu option allows the user to send the contents of a timeline to a location specified by the ARM server resource file (ARM.ini). The name of the export file will be that of the timeline name with a .exp extension. Microsoft Outlook may read the contents of this file.

When the export option is selected, the *Export Timeline Window*, as shown in Figure 4-2, is displayed. After the export is complete, the *Timeline Exported Window*, as shown in Figure 4-3 is shown.

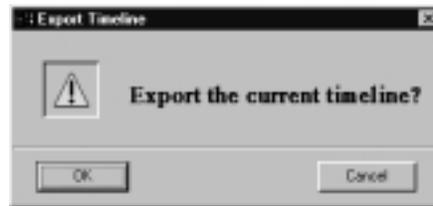


Figure 4-2 Export Timeline Window

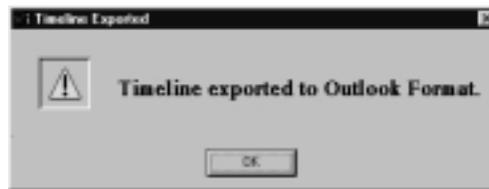


Figure 4-3 Timeline Exported Window

4.1.4 Quit

Ctrl + Q

The **Quit** menu option allows the user to exit the OSTPV application. A confirmation screen will appear giving the user the option to quit or cancel and continue working on the selected timeline. Figure 4-4 shows the Quit Window.

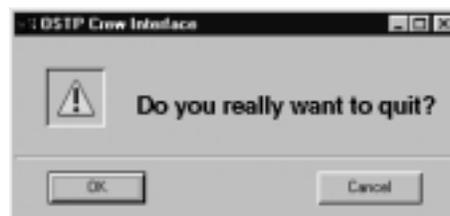


Figure 4-4 Quit Window

4.2 Edit

The **Edit** menu option allows the user to update the activity status of a timeline event. The options and the associated accelerator keystrokes are:

File	
Completed	Alt + C
Active	Alt +A
Scheduled_Enabled	Alt +S
Scheduled_Disabled	Alt +D
Not Scheduled	Alt +N
Expired	Alt +X
Paused	Alt +U
Failed	Alt +I
Aborted	Alt +M
Modified	Alt +R
Monitor On	Alt +O
Monitor Off	Alt +F

Table 4-1 describes each activity status listed above.

Activity Status	Description
Completed	When an activity has been completed, the user should reset the status to completed.
Active	When a user begins working on an activity, the status should be set to active.
Scheduled_Enabled	An activity that has been incorporated into the OSTPV and is ready to be worked at the schedule time.
Scheduled_Disabled	An activity in the OSTP that indicates the activity that is not to be worked at the scheduled time.
Not Scheduled	Tasks that are not assigned to a specific operator or time.
Expired	All activities that have specified start times that have passed.
Paused	An operator may set the status of an activity referencing a manual procedure to 'paused' when the progress has temporarily stopped and the operator intends to return and finish the task at a later time.
Failed	An operator may modify the status of any activity referencing a manual procedure to 'failed', to indicate that the tasks could not be completed.
Aborted	Any activity that has been stopped or aborted for some reason.
Modified	Alerts the crew and ground controllers that activities have changed and should be reviewed.
Monitor On	Allows the crew to identify activities to be watched and not performed by the crew.
Monitor Off	Inverse of monitor on.

Table 4-1 Activity Status Table

Note: To update the status of multiple activities, select Shift + desired activities.

To change or update the status of an activity:

1. Select the activity or activities to be changed.
2. Select Edit/Activity Status/<the appropriate status>
3. Notice the activity changes color:
 - Active – Green
 - Gray – Complete
 - Purple – Not Scheduled/Expired/Paused/Failed/Aborted
 - White – Schedule Enabled
 - Magenta – Text - Monitored

4.3 Layout

The following describes the **Layout** menu options. This area can be divided into three areas. They are **Hour Layout, Preferences, and Condition Band Layout**. A black dot or check mark will appear next to the selected option(s). Each is described below. Please note that the Condition Bands are dynamic based on the data set currently loaded.

Layout	
2 Hr	Alt + 1
4 Hr	Alt + 2
8 Hr	Alt + 3
12 Hr	Alt + 4
24 Hr	Alt + 5
Preferences ...	Ctrl + P
Altar ONE Altar TWO Altitude DailyOrbit Day/Night GroundStation MCC-H SCHED POWER REGIME RSAGroundStation SAA STATION MODE STS ATT TDRS EAST TDRS SPARE TDRS WEST	

4.3.1 Hour Layout

The **Hour Layout** allows the user to view the timeline in two, four, eight, twelve, or twenty-four hour increments. The accelerator key strokes to quickly access each **Hour Layout** option are listed below.

2 Hr	Alt + 1
4 Hr	Alt + 2
8 Hr	Alt + 3
12 Hr	Alt + 4
24 Hr	Alt + 5

4.3.2 Preferences

Ctrl + P

The **Preferences** menu option allows the user to tailor the view of the timeline on the main window according to users selections for time bands, condition bands, operator bands, and time scale. When the Preferences menu option is selected, the *Preferences* window is displayed. Notice that the preferences are divided into six areas. A tab represents each area. They are Preference File, Operator Bands, Time Bands, Condition Bands, Reminders, and Report. The following is a discussion of each.

Preferences File Tab:

The Preferences File tab, as shown in Figure 4-5, allows the user to Create, Modify, or Delete a Preference File(s).



Figure 4-5 Preferences File Window

To Edit a Preference File:

1. Select Preference File from the pull down menu or type in the file name.
2. Make desired changes.
3. If editing is complete, the user must select either Save to save the preferences to the file.

NOTE: When in different tabs, the user must come back to the Preferences File Tab to save changes in the preference file. Selecting OK or Apply, applies changes only for the current session.

To Delete a Preference File:

1. Select Preference File from the pull down menu.
2. Select Delete and respond to the confirmation dialog window displayed.
3. If editing is complete, select OK or Apply to save the changes.

Operator Bands Tabs:

The Operator Bands tab, shown in Figure 4-6, allows the user to select the operator bands to be viewed. The user may also define the order the bands are to be displayed. Below describes the options available.

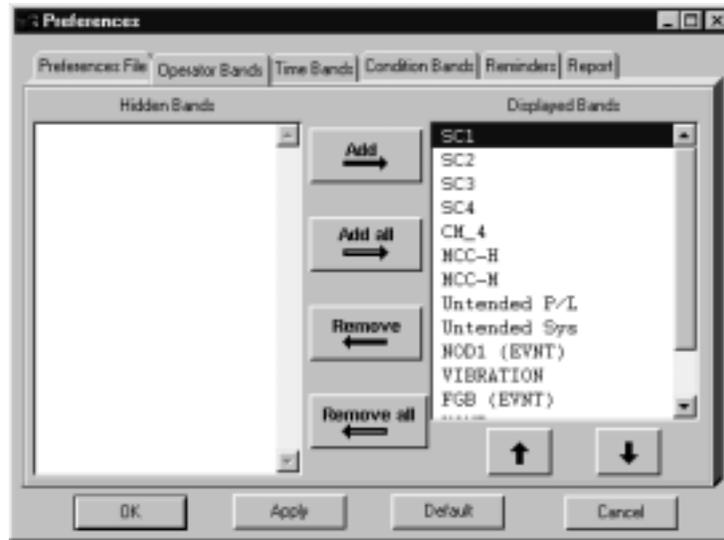


Figure 4-6 Preferences Operator Bands Window

To Edit the Operator Bands:

1. Select the bands to be hidden or displayed.

Right Arrow “Add”	The right arrow moves selected operator band(s) to the displayed bands section.
Left Arrow “Remove”	The left arrow moves selected operator band(s) to the hidden bands section.
Double Right Arrow “Add All”	The double right arrow moves all of the operator bands to the displayed bands section.
Double Left Arrow “Remove All”	The double right arrow moves all of the operator bands to the hidden bands section.

2. Arrange the order of the operator bands.

Up Arrow	Moves the selected operator band towards the top of the display.
Down Arrow	Moves the selected operator band towards the bottom of the display.

Note: Only the displayed operator bands can be arranged.

3. If editing is complete, select OK or Apply to apply- the changes. If the preferences are to be saved to a file, select the Preference File tab and then select save.

Time Bands Tab:

The Time Bands tab, shown in Figure 4-7, allows the user to define the time bands and hour scale to be viewed on the main window. The options are as follows.



Figure 4-7 Preferences Time Band/Hour Scale Window

To Edit Time Band/Hour Scale Preferences:

1. Select the Time Bands to be viewed.
2. Select to view in 2, 4, 8, 12 or 24 hour increments.
4. If editing is complete, select OK or Apply to applies the changes. If the preferences are to be saved to a file, select the Preference File tab and then select save.

Condition Bands Tab:

The Conditions Band tab, shown in Figure 4-8, allows the user to define the timeline conditions are to be viewed.

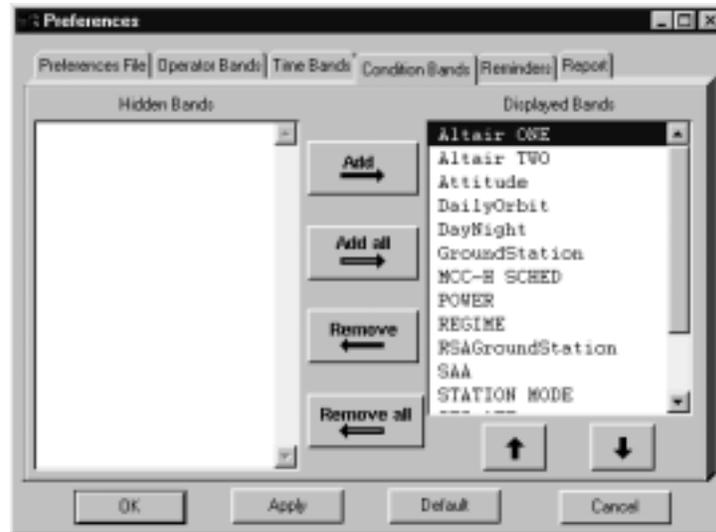


Figure 4-8 Conditions Bands Window

Reminders Tab:

The Reminders tab, shown in Figure 4-9, allows the user to set the reminder interval and specify to view all reminders or only the reminders they set.



Figure 4-9 Preferences Reminders Window

To Edit a Reminder:

1. Select All Reminders if all set reminders are to be viewed. Leave blank if the user wished to view only the reminders they set. Note: In order for individual reminders to work, the title bar logon must match the operator name.
2. Select the snooze interval between reminders.
5. If editing is complete, select OK or Apply to applies the changes. If the preferences are to be saved to a file, select the Preference File tab and then select save.

Report Tab:

The Report tab, shown in Figure 4-10, allows the user define the data to be displayed in a timeline report.



Figure 4-10 Preferences Report Window

To Generate a Report:

1. Select the items to be show on the report.
2. Select OK. If the preferences are to be saved to a file, select the Preference File tab and then select save.

4.3.3 Condition Band Layout

The **Condition Band Layout** allows the user to select the conditions to be displayed on the timeline. The Condition Band option will be dynamic and will match those of the timeline loaded. Some examples of Condition Bands are as follows.

- Altar ONE
- Altar TWO
- Altitude
- DailyOrbit
- Day/Night
- GroundStation
- MCC-H SCHED
- POWER
- REGIME
- RSAGroundStation
- SAA
- STATION MODE
- STS ATT
- TDRS EAST
- TDRS SPARE
- TDRS WEST

4.4 Options

Options	
Activity Filter ...	Ctrl + F
Task List ...	Ctrl + J
Report ...	Ctrl + P
Current Time at Left	Alt + J
Current Time at Center	Alt + T
Set Simulation Time	Ctrl + U
Set Real Time	Alt + E

4.4.1 Activity Filter

Ctrl + F

The Activity Filter Window allows the user to search the set of activities.

Please note that anytime time the Apply option is selected the Filter Results window will appear. This window, as shown in Figure 4-12, allows the user to view filtered activity associated with the timeline. The user can also sort, edit, or print these activities accordingly.

When using the Activity Filter:

1. Select the activity properties to be filtered on the *Activity Filter Window*, as shown in Figure 4-11.
2. Select Apply.

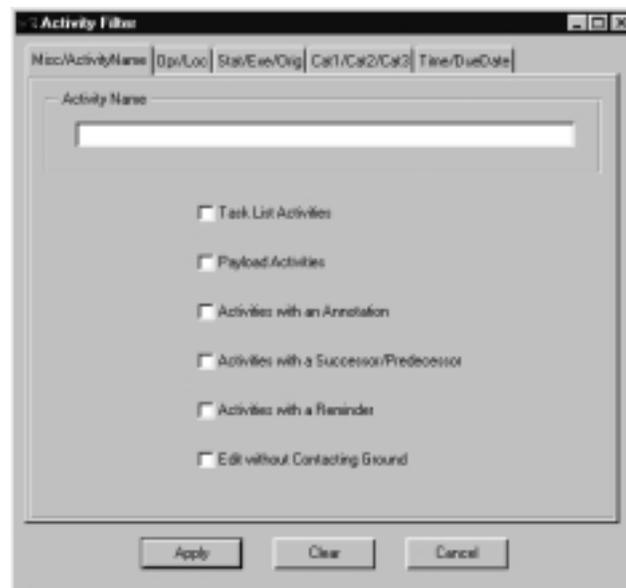


Figure 4-11 Activity Filter Window

The results will be displayed on the *Filter Results Window*, as shown in Figure 4-12.

Name	Start (UTC)	Duration	Location	Execution Note	Status	Operator(s)
AD	06/00:00	60 Min	BLANK		Not Scheduled	SC2
AC	06/00:00	60 Min	BLANK		Not Scheduled	SC3
AA	06/00:00	60 Min	BLANK		Not Scheduled	SC1

Figure 4-12 Filter Results Window

Below are definitions for the button options.

More – When the More option is selected, the Activity Edit Dialog window, as shown in Figure 3.5 is displayed.

Goto – When the Goto option is selected, the user will automatically be taken to that particular activity on the timeline.

Print - When the Print option is selected, the user can print the Filtered Results table.

Procedure - When the Procedure option is selected, the user will be automatically view the associated procedure.

Report - When the Report option is selected, the Report Window, as shown in Figure 4-10, will be displayed.

Close - When the Close option is selected, the Filter Results window will be closed.

Operator/Location Tab:

The Opr/Loc tab, shown in Figure 4-13, allows the user to filter one or more of the Operator(s) or Location(s).



Figure 4-13 Activity Filter Operator/Location Window

To Filter Operator/Location Information:

1. Select the operator(s) to be viewed - in the Filter Results Dialog.
2. Select the location(s) to be viewed - in the Filter Results Dialog.
3. Select Apply.

Note: To select multiple items, hold the CTRL key when selecting.

Stat/Exe/Orig Tab:

The Stat/Exe/Orig tab, shown in Figure 4-14, allows the user to filter one or more of the following fields: Status, Executor, or Organization.

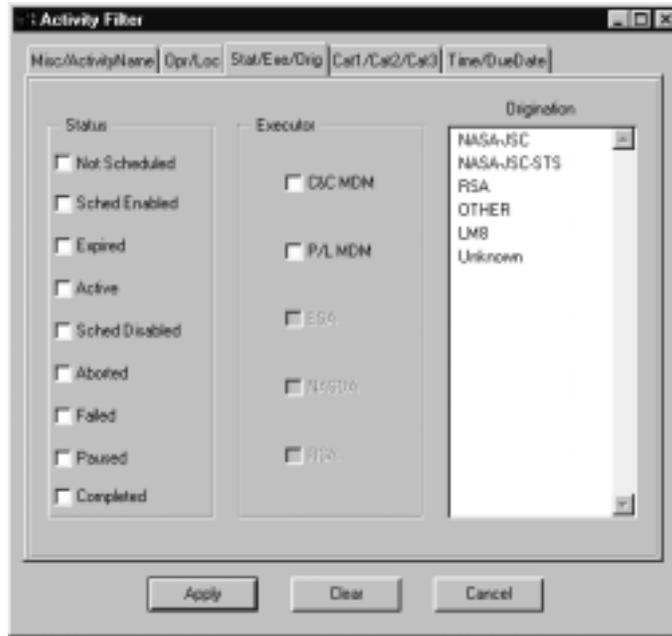


Figure 4-14 Activity Filter Status/Executor/Organization Window

To Filter a Status/Executor/Organization:

1. Select the Status.
2. Select the Executor(s).
3. Select the Organization(s).
4. Select Apply.

Cat1/Cat2/Cat3 Tab:

The Cat1/Cat2/Cat3 tab, shown in Figure 4-15, allows the user to filter one or more Categories.



Figure 4-15 Activity Filter Cat1/Cat2/Cat3 Window

To Filter Operator/Location/Category Information:

1. Select a Category from Category 1, Category 2 and Category 3 fields.
2. Select Apply.

Time/Due Date Tab:

The Time/Due Date tab, shown in Figure 4-16, allows the user to filter the Time and the Due Dates fields.

Figure 4-16 Activity Filter Time/Due Date Window

To Filter the Start Time/Due Date fields:

1. Select the Before and At/After times for Time.
2. Select the Before and At/After times for Due Date.
3. Select Apply.

4.4.2 Task List

Ctrl + J

The **Task List** menu option, shown in Figure 4-17, allows the user to view and select activities from the task list. The task list is a group of activities that are currently unscheduled.

Name	Start (UTC)	Duration	Location	Execution Note	Status	Operator(s)
AB	06/00:00	60 Min	BLANK		Not Scheduled	SC2
AC	06/00:00	60 Min	BLANK		Not Scheduled	SC3
AA	06/00:00	60 Min	BLANK		Not Scheduled	SC1

Figure 4-17 Task List Window

Below are definitions for the button options.

More – When the More option is selected, the Activity Edit Dialog window, as shown in Figure 3.5 is displayed.

Goto – When the Goto option is selected, the user will automatically be taken to that particular activity on the timeline.

Print - When the Print option is selected, the user can print the Filtered Results table.

Procedure - When the Procedure option is selected, the user will be automatically view the associated procedure.

Report - When the Report option is selected, the Report Window, as shown in Figure 4-10, will be displayed.

Close - When the Close option is selected, the Filter Results window will be closed.

4.4.3 Report

Ctrl + P

The **Report** menu option allows the user to define and print custom reports. Figure 4-18 shows the Report Generator Window.

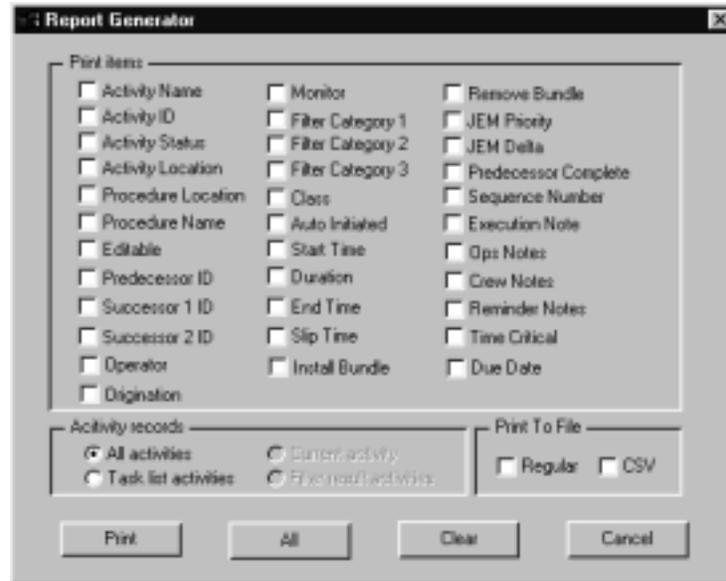


Figure 4-18 Report Generator Window

4.4.4 Current Time at Left Alt + J

The **Current Time at Left** menu option displays the current time at the far left of the screen.

4.4.5 Current Time in Center Alt + T

The **Current Time in Center** menu option displays the current time in the center of the screen. A dashed vertical red line designates the current time.

4.4.6 Set Simulation Time Ctrl + U

The **Set Simulation Time** menu option, shown in Figure 4-19, allows the user to enter a new simulation time (Year, Day, Hour, and Minute). By setting the simulation time, the user to stipulate a particular time in a mission to begin viewing the timeline. Mission personnel to synchronize the viewed timelines can also use this option.

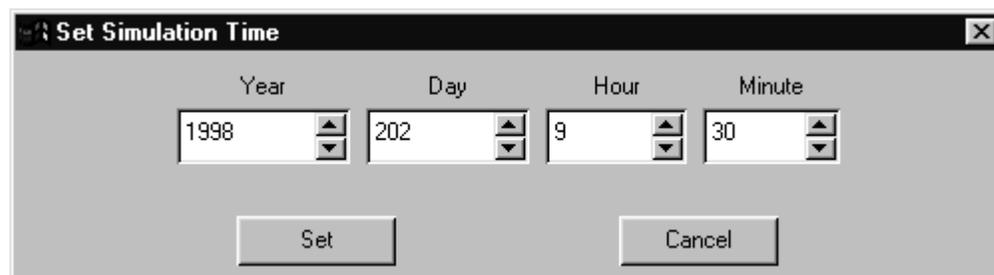


Figure 4-19 Set Simulation Time Window**4.4.6 Set Real Time****Alt + E**

The **Set Real Time** menu option resets the timeline to the current date and time.

4.5 Help

Help	
About	Ctrl + A
Legends	Ctrl + L
Timeline Info	Ctrl + T
Bubble Help	Alt + B

4.5.1 About Ctrl + A

The **About** menu option provides information about the OSTPV application. See Figure 4-20.



Figure 4-20 About OSTPV Window

4.5.2 Legends

The **Legends** menu option provides information on the color representation of activity status for the activities on the timeline. See Figure 4-21.



Figure 4-21 OSTPV Legend Window

4.5.3 Timeline Info

Ctrl + T

The **Timeline Info** menu option provides information on total activities, 1st and last scheduled activities, as well as task lists for the active timeline. See Figure 4-22



Figure 4-22 OSTPV Legend Window

4.5.4 Bubble Help

Alt + B

The **Bubble Help** menu option displays a short description of an object when the mouse pointer is over an activity on the timeline and condition bands. It is a toggle type function.