Mission Pause MFD

DISCRIPTION:

This MFD is made for Project Apollo, and will not work with other Orbiter vessels. Mission Pause MFD accelerates time between breaks in the Flightplan then pauses Orbiter when the Ground Elapsed Time reaches the set Mission Elapsed Time (MET).

INSTALLATION:

Extract the MtimerMFD.zip file to the Orbiter root directory. From the Orbiter Launchpad, select the Modules tab and Activate the MtimerMFD. The zip file will extract the following files in the indicated directories:

Doc
MissionPause.pdf - *this file*

Modules
Plugin
MtimerMFD.dll - *MFD file*

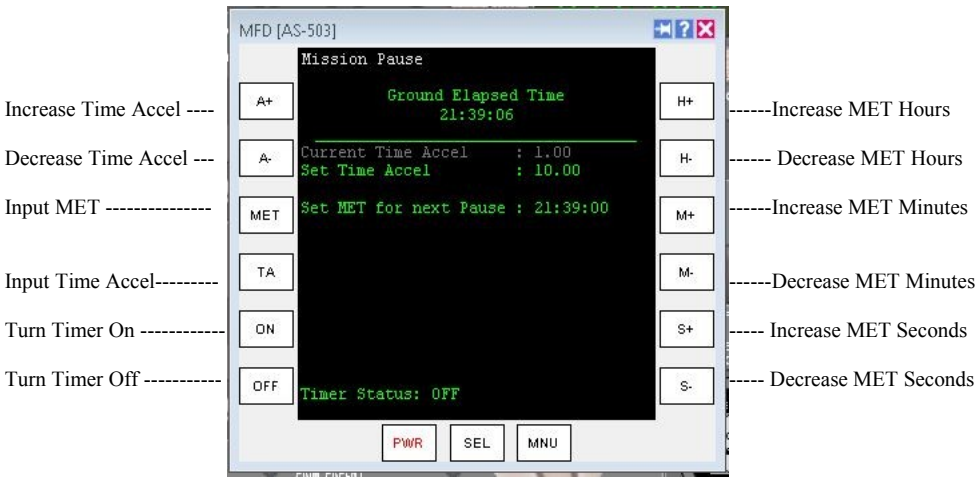
Obitersdk
samples
Mission Timer MFD
MtimerMFD.ccp - *C++ source file*
MtimerMFD.h - *C++ header file*

FUNCTION:

Display -

Ground Elapsed Time (GET) – The current Project Apollo GET
Current Time Accel – Orbiters current Time Acceleration or Warp value.
Set Time Accel – Time Acceleration when the timer is turned on
Set MET for next Pause – The Mission Elapsed Time (MET) to pause when timer is on
Timer Status: - Shows if the timer is on or off

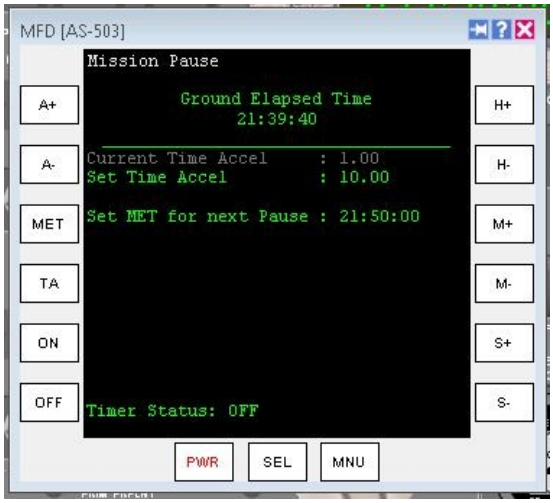
Buttons -



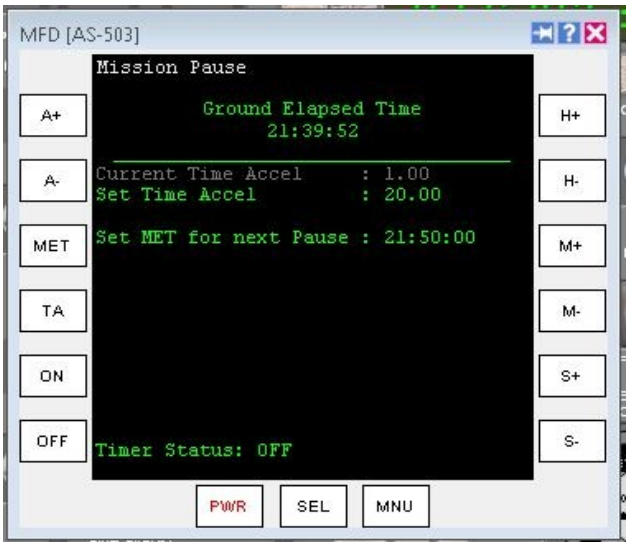
Operation-

To set MET for next Pause, enter the time you wish to pause by pressing the MET button. This will open an input box. Enter hours minutes and seconds separated by a space. If the MET you wish to enter is negative, enter a – before the hour.

The time entered will now display on the MFD. This time can be modified by using the buttons on the right side of the MFD.

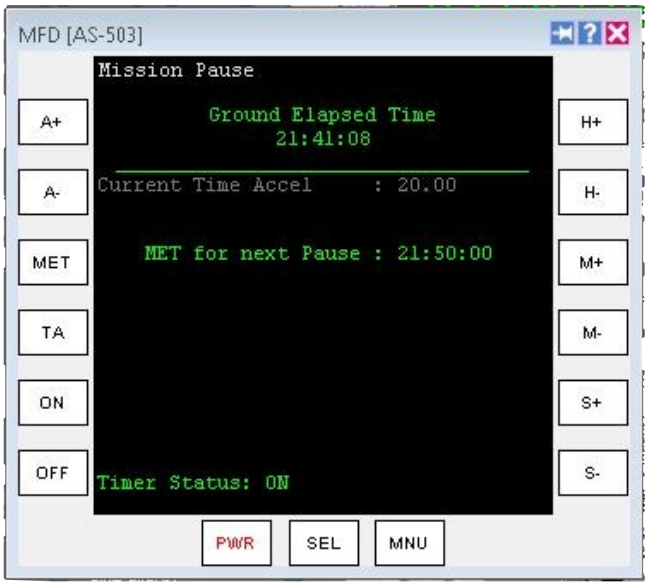


To set the Time Acceleration, enter the value by pressing the TA button. This will open an input box. Type the time acceleration value and press enter.



The Time Acceleration value can be also be changed with the A+ and A- buttons. Setting the Time Acceleration will not change the Current Time Acceleration until the timer is turned on.

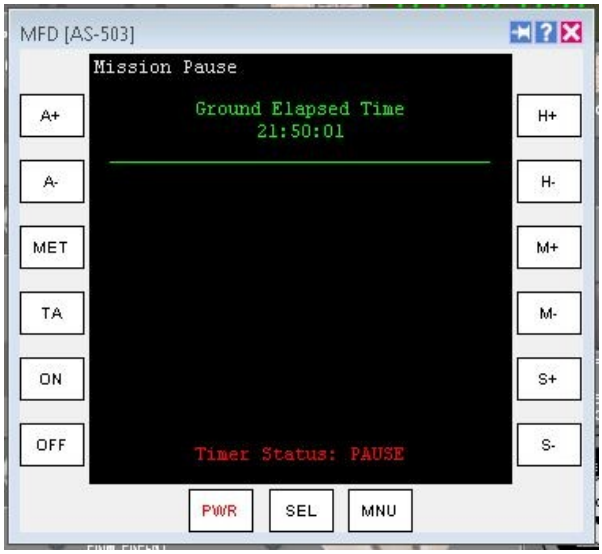
When the MET and Acceleration are set, press the ON button to start the timer.

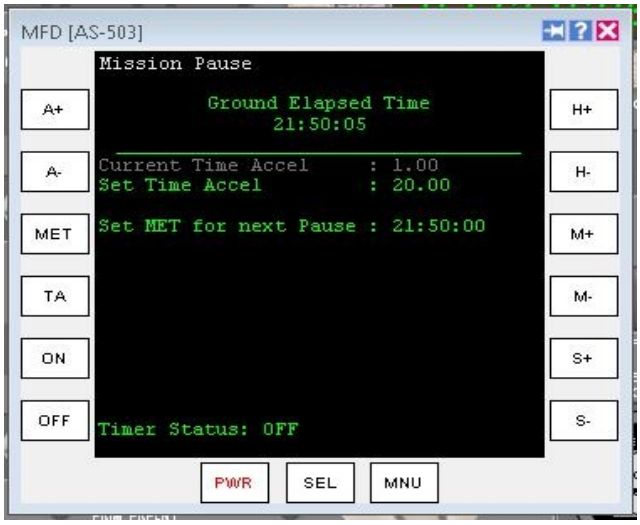


The Timer Status will display ON and Orbiter will accelerate time. Current Time Acceleration is shown in gray. When the timer is running, the Time Acceleration and the MET can be modified with the buttons on the MFD.

The timer can be turned off by pressing the OFF button before GET reaches the MET time. If the timer is turned off, time acceleration will return to normal (1.00) and it will not pause Orbiter.

When the GET reaches MET, the timer will pause Orbiter, the Timer Status will display PAUSE.





When pause is turned off (ctrl p), Mission Pause MFD will return acceleration to normal (1.00).

When the Mission Pause MFD is opened in an external MFD, it will work both from the internal and external views. If the Mission Pause MFD is opened on an internal MFD, it will not pause when the view is external.

Mission Pause MFD will over-ride the Max. time acceleration limit set in the Orbit Launchpad.

ADDITIONAL INFORMATION:

Much the code in this MFD came from source files for Project Apollo MFD's for reading the GET. It has been tested on the CSM, the LM and the crawler. It was also tested on a non Project Apollo vessel, it will display the vessel not supported message and will do nothing. Any Questions, I can be contacted by e-mail.

Dave Gundlach
davegunner@charter.net