

**Subject:** Osprey Workaround[Sec=Unclassified] [Sec=Unclassified]

**From:** Jason Gedamke <Jason.Gedamke@aad.gov.au>

**Date:** Wed, 09 Apr 2008 16:18:46 +1000

**To:** Dave Mellinger <David.Mellinger@oregonstate.edu>

Hi Dave,

In case anyone else encounters it, I just wanted to let you know I found a workaround that seems to get by the hang-up issue with Osprey I mentioned before. I suspect it's a similar or the same issue to the circularity that the opInhibitRedraw variable attempts to avoid (I'm using Matlab v7.1)...

In any case, I simply commented out line 149 in opRedraw  
opPositionControls(opc)

And then it all comes up looking good. There are still error messages in the command window (pasted below fyi) but everything seems functional including using the measurements/log.

Cheers,  
Jason

Error messages that still come up, but again all seems functional regardless:

??? Invalid handle object.

Error in ==> opRedraw at 156  
tx = get(opAxes, 'YTick');

Error in ==> opRedraw at 151  
opRedraw('yaxislabels'); % needed if number of Y-ticks  
changed

??? Error using ==> drawnow  
Error while evaluating figure ResizeFcn.

??? Invalid handle object.

Error in ==> opRedraw at 156  
tx = get(opAxes, 'YTick');

Error in ==> opRedraw at 151  
opRedraw('yaxislabels'); % needed if number of Y-ticks  
changed

??? Error using ==> drawnow  
Error while evaluating figure ResizeFcn.

-----Original Message-----

From: Jason Gedamke

Sent: Monday, 17 March 2008 7:07 PM

To: 'Dave Mellinger'

Subject: RE: Ishmael data log [Sec=Unclassified]

Hi Dave,

I've used Osprey in the past, but was hoping to use ishmael in this case, since I'm trying to speed through a few hundred files and make relatively simple measurements (start and end frequencies, and duration). I can still manage to do it using the Ishmael text log file, with a bit of post formatting. But I am about to do some other measurements where Osprey would be good. So I tried installing the new version of Osprey you referred me to. When I tried to run it, a window would open to choose a sound file. Once I chose a file a new figure window for the Osprey display would come up on the screen, but it would get hung up without displaying it, or the Osprey figure menu items. Ctrl-C in the command window a few times and below is the error message I would get.

```
Error in ==> opMenus at 81
drawnow

Error in ==> opPositionControls at 18
opMenus(ch);

Error in ==> opRedraw at 149
opPositionControls(opc);

??? Error using ==> drawnow
Interrupt while evaluating figure ResizeFcn.
```

By any chance, is this something you've seen before (I'm using MATLAB Version 7.1.0.246 (R14) Service Pack 3)? I was stepping through the m-files trying to find a workaround, and at one point I thought I had it by commenting out the 'drawnow' command on line 81 of opMenus and stepping line by line through the other m-files. It worked once beautifully, and with the full display and many measurement options it looked great! But when I tried to run it all the way through like this, it hung up again, and have not been successful in getting it up and running again.

Anyway, if this is something you've seen before and have a workaround, let me know. But if not, no big deal.

Thanks,  
Jason

P.s. On a separate note, I don't know if you remember, but we finally resolved the issue regarding our Difar bearings being 180 degrees out. Apparently, depending on different receiving hardware and their possible inversion of the signal, there is always the chance that they will be 180 degrees out so each different system must be checked with some good truthing data (sounds with known bearings). Just thought I'd let you know in case other people come across the same 180 degree reversal I was seeing. I'll also forward you the email from Bob Norman at Greeneridge, which explains this more completely.

-----Original Message-----

From: Dave Mellinger [<mailto:David.Mellinger@oregonstate.edu>]  
Sent: Saturday, 15 March 2008 3:59 AM  
To: Jason Gedamke  
Subject: Re: Ishmael data log [Sec=Unclassified]

Hi Jason,

Alas, not yet. The Datalog is one of those features in Ishmael 2.0 that's only half-done.

Do you use Matlab? I have similar code for making measurements in Osprey, which is a Matlab system for making, manipulating, and measuring spectrograms. Osprey is better at detailed analysis of sounds, while Ishmael is better at crunching large amounts of data. Osprey is at

<ftp://newportftp.pmel.noaa.gov/newport/mellinger/software/osprey-080314.zip>

It runs in Matlab R2006b (a.k.a. Matlab 7.3.0); I haven't tried it in newer versions of Matlab, but it doesn't do anything too exotic so I think it should work. Download it and read the "Osprey documentation" file in it to get started.

Dave

Jason Gedamke wrote:

Hi Dave,

quick question about the Data Log in ishmael...is there any way to

save it or copy the measurements from it? (this is not the logfile but the 'DataLog' of measurements under the View menu). Am I missing something obvious?

thanks,  
Jason

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