DHB: 5/8/24, 5/15/24 - dev

At least one example failed for lensList.

At least one example failed for oiComputeFlare.

At least one example failed for macbethSelect.

At least one example failed for sceneHarmonic.

At least one example failed for sensorIMX363V2.

At least one example failed for sensorMacbethDaylightEstimate.

At least one example failed for ieSCP.

At least one example failed for ipPlot.

DHB: 4/5/24 - Most of these failure cases are described in detail below, but sensorIMX356V2 is new.

At least one example failed for lensList.

At least one example failed for oiComputeFlare.

At least one example failed for macbethSelect.

At least one example failed for sceneHarmonic.

At least one example failed for sensorIMX363V2.

At least one example failed for sensorMacbethDaylightEstimate.

At least one example failed for ipPlot.

\*\*\*\*\*

At least one example failed for sensorIMX356V2

@Brian

This is because of a call to sensorPlot with an unsupported option.

\*\*\*\*\*

At least one example failed for lensList.

@Brian

>> lensNames = lensList;

Unrecognized function or variable 'piDirGet'.

Error in lensList (line 57)

\*\*\*\*\*

At least one example failed for opticsGet.

DHB: I fixed this, which had to do with how oiGet(oi,'optics otf data') was calling opticsGet.

But I am worried about the generality of the fix.

@Brian, please look at lines 207 ff in oiGet. I put in a bunch of comments about what

I did and why I was worried.

\*\*\*\*\*

At least one example failed for oiComputeFlare.

\*\*\*\*\*

At least one example failed for macbethSelect.

@Brian

There are a bunch of examples in this file. I tried maybe

the first four, each of which failed for a reason that

wasn't immediately obvious to me.

\*\*\*\*\*

At least one example failed for sceneHarmonic.

@Brian

Examples call sceneInit and sceneComplete, neither of which exist.

\*\*\*\*\*

At least one example failed for sensorMacbethDaylightEstimate.

\*\*\*\*\*

At least one example failed for ipPlot.

@Brian

Dies in ieAppGet

Error using ieAppGet

Undefined ip app

Error in ieROIDraw (line 91)

[~,ax] = ieAppGet(isetobj);

Error in plotDisplayLine (line 64)

ieROIDraw(ip,'shape','line','shape data',[1 sz(2) xy(2) xy(2)]);

Error in ipPlot (line 63)

[uData, hdl] = plotDisplayLine(ip,'h',xy);

\*\*\*\*\*

At least one example failed for ieROISelect.

@Brian

There was a typo in the skip commands that were there, which I fixed.

But all of the examples fail when I try to run them by

hand. In some cases, a variable isn't defined. This

is typically because it was defined in an earlier

example, but we don't want to count on examples being

run in order - each should execute from a clean workspace.

But I don't think that is the only issue.

files = dir(fullfile(piDirGet('lens'),star));

This was broken becaues the call to

uData = oiPlot(oi,'irradiance energy roi');

died with this error message:

Error using ieAppGet

Undefined oi app

Error in ieROISelect (line 54)

[app, appAxis] = ieAppGet(obj);

Error in oiPlot (line 161)

roiLocs = ieROISelect(oi);

I just commented out that line in the example

with a comment that it is broken. My guess

is that some gui needs to have been opened

for this to be able to work, but leaving the

details to you. Or if this isn't an interesting

use case, could just delete from the example

altogether.

\*\*\*\*\*

Checking function oiSet.m

Need to fix so that examples don't throw scary warning

oi =

struct with fields:

type: 'opticalimage'

name: 'myName'

metadata: []

diffuser: [1×1 struct]

spectrum: [1×1 struct]

optics: [1×1 struct]

oi =

struct with fields:

type: 'opticalimage'

name: 'myName'

metadata: []

diffuser: [1×1 struct]

spectrum: [1×1 struct]

optics: [1×1 struct]

filename: 'test'

Warning: Render flag is only set when the sceneWindow is open

> In oiSet (line 199)

In ExecuteExamplesInFunction>EvalClean (line 209)

In ExecuteExamplesInFunction (line 172)

In ExecuteExamplesInDirectory (line 115)

In ExecuteExamplesInDirectory (line 99)

In ieExamples (line 57)

\*\*\*\*\*

rtPrecomputePSF

DHB: I put an ETTBSkip around the example (which I had just made runable rather than inline).

It fails becuase the routine wants to get a scene from the obscure (to me) ieGetObject('scene')

call, which doesn't work because it expects something to be set up that isn't. The whole routine

thus needs a little TLC.

\*\*\*\*\*

LoadRawSensorData.

DHB: I moved the example out of inline and made it runable. I put an ETTBSkip on it.

It fails because it is trying to get a filename via the obscure (to me) call filename = vcSelectDataFile('stayput','r');

It might be that the example would run if one knew what to select here, or if

the filename was just set to be something that works. Or it might then fail below.