

# Dark Energy Spectroscopic Survey [DESPEC] - Bug #3875

## bug in Throughput

05/15/2013 08:52 AM - Ben Hambrecht

<b>Status:</b>	Resolved	<b>Start date:</b>	05/15/2013
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Brian Nord	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>			
<b>Description</b>			
Please fix. The problem occurs in Plotters_New called from Throughput.			
===== entering Throughput =====			
... imported data ... Combined minor optical elements ... Combined major optical elements with galaxy, including aperture losses ... computed final throughput ... exported data to databank ... basic diagnostic plots bad plot; throughput spectrum			
-----			
TypeError Traceback (most recent call last)			
/opt/local/Library/Frameworks/Python.framework/Versions/2.7/lib/python2.7/site-packages/IPython/ut ils/py3compat.pyc in execfile(fname, *where)			
176 else:			
177 filename = fname			
--> 178 __builtin__.execfile(filename, *where)			
/Users/ben/Documents/DESPEC/repo/despec/04-Throughput/CalculateThroughput_Nord/CalculateThroughput .py in <module>()			
153 #-----			
154 if __name__ == '__main__':			
--> 155 main()			
156			
157			
/Users/ben/Documents/DESPEC/repo/despec/04-Throughput/CalculateThroughput_Nord/CalculateThroughput .py in main()			
146 def main():			
147			
--> 148 throughput()			
149 print			
150 print			
/Users/ben/Documents/DESPEC/repo/despec/04-Throughput/CalculateThroughput_Nord/CalculateThroughput .py in throughput()			
130 color_bar = 'r',			
131 fig_name='throughput_spectrum',			
--> 132 fig_number=0, plot_number=0, title='', bas e_directory='.', filename_addendum="", show_plot=show_plot			
133 )			
134 except (RuntimeError, TypeError, NameError):			
/Users/ben/Documents/DESPEC/repo/despec/Plotters_New/Plotters_New.pyc in plot_line(center, hist, w idth, center1, hist1, width1, xmin, xmax, ymin, ymax, yrelmin, yrelmax, plot_type, color_bar, text x_loc, texty_loc, mytext, title, xlabel, ylabel, label_legend1, label_legend2, fig_name, base_dire ctory, filename_addendum, file_type, choose_remove_file, fig_number, plot_number, show_plot)			
260 # get points for non-zero values of main histogram			
261 where_nonzero = numpy.where(hist > 0)			
--> 262 center_nonzero = center[where_nonzero]			

```
263     hist_nonzero = hist[where_nonzero]
264
```

```
TypeError: list indices must be integers, not tuple
```

```
***** finished CalculateThroughput *****
CalculateThroughput runtime: 1.25 seconds
```

---

## History

**#1 - 05/15/2013 10:09 AM - Ben Hambrecht**

- *Status changed from New to Resolved*