

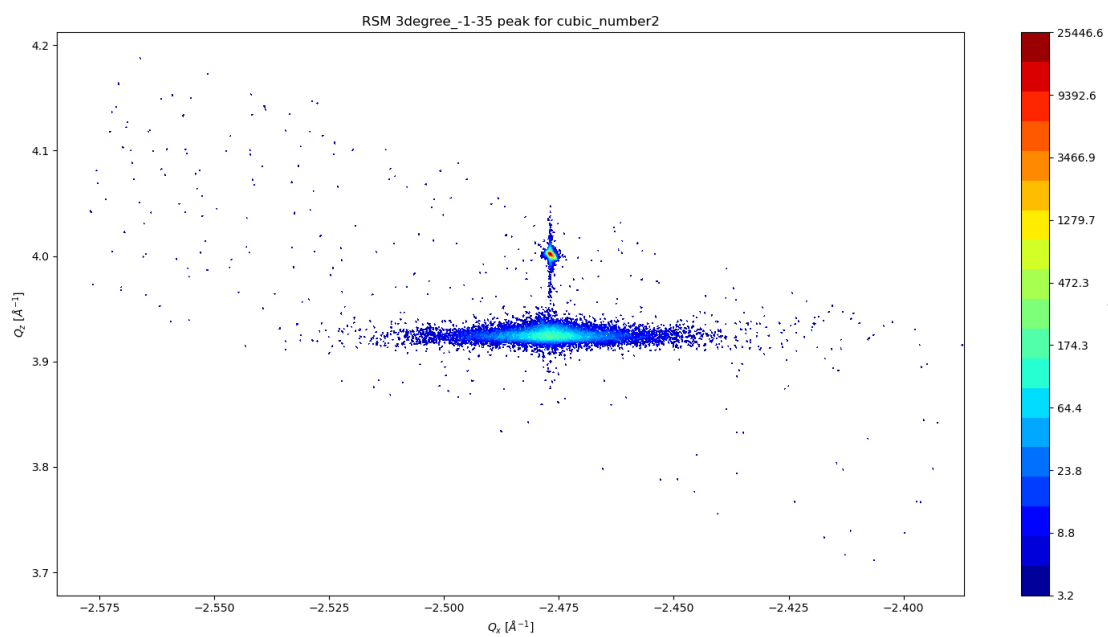
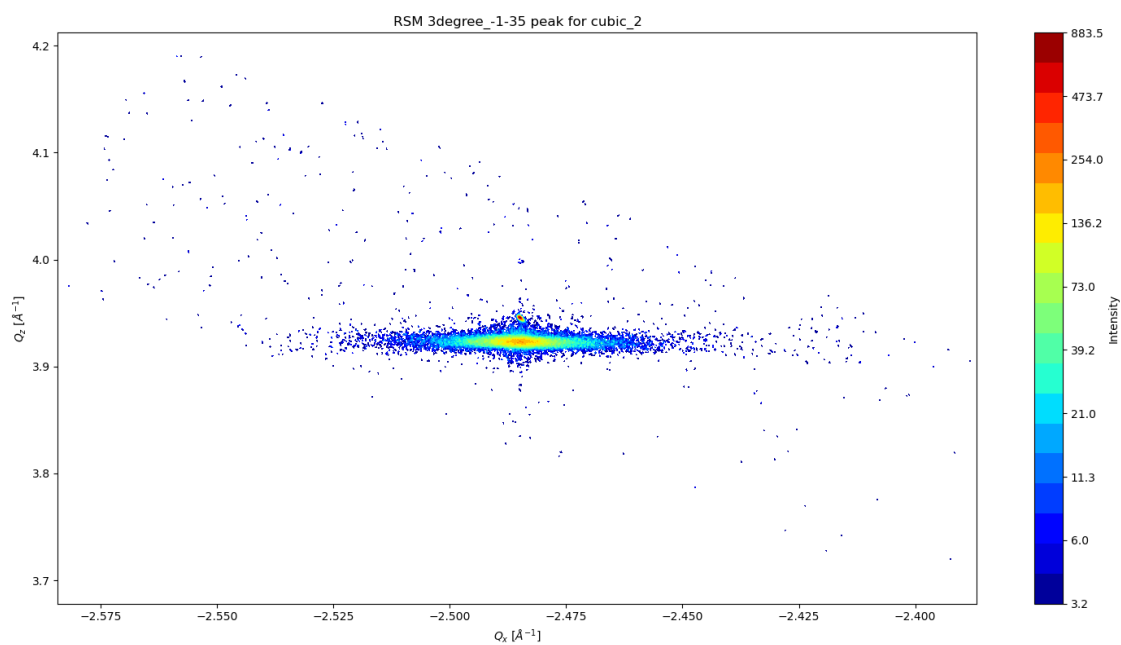
# plot\_RSM

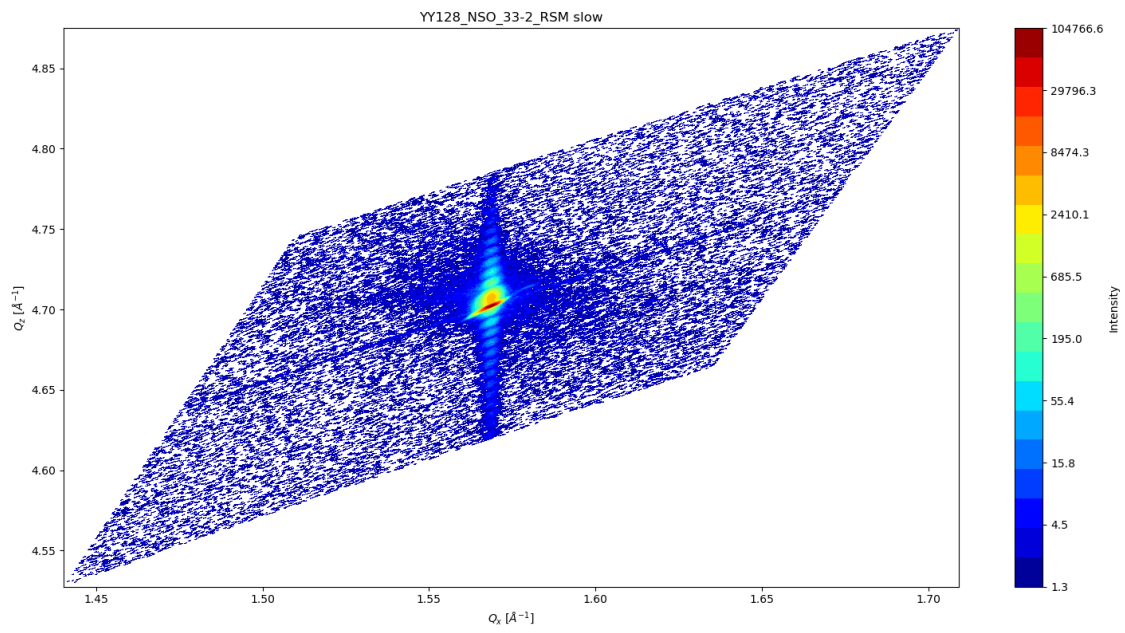
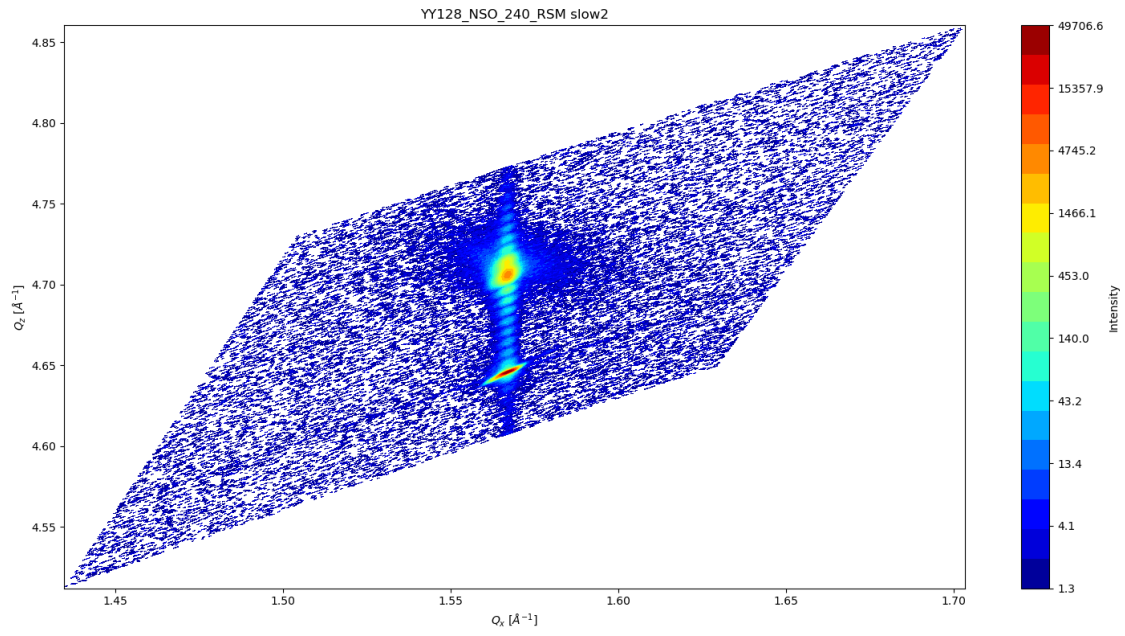
July 22, 2024

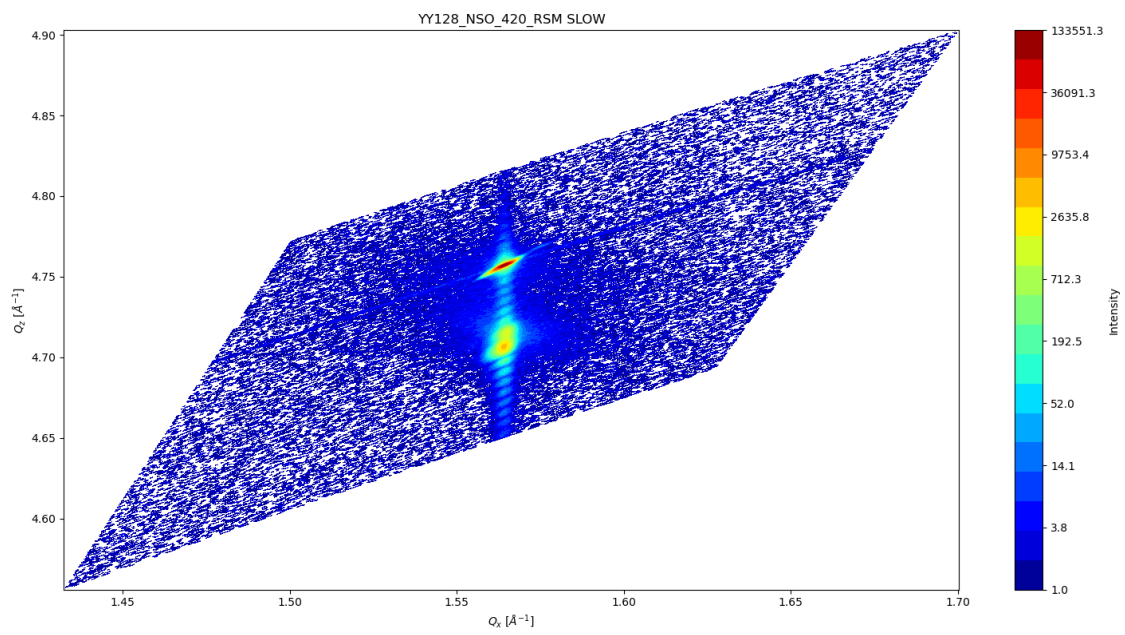
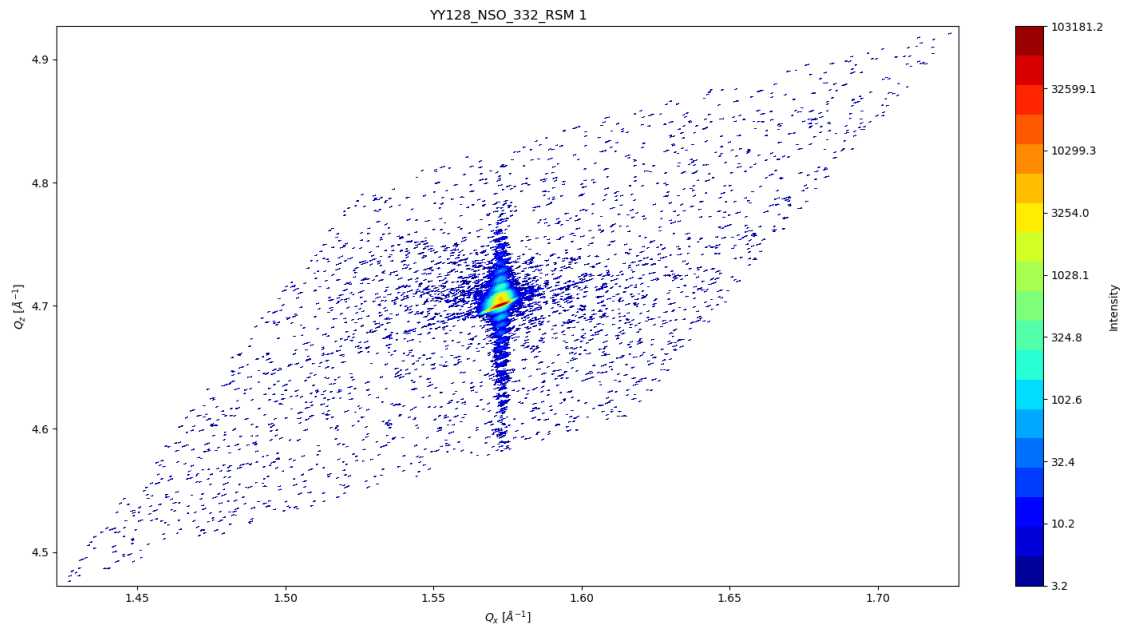
```
[ ]: %load_ext autoreload
      %autoreload 2
      import numpy as np
      import matplotlib.pyplot as plt
      import glob
      from matplotlib import cm
      import sys
      sys.path.append('../py-characterization/src/XRD/')
      from xrd_functions import plot_rsm

[ ]: for file in glob.glob('../data/RSM YY128/*RSM*.xrdml'):
      plot_rsm(file, reciprocal_space=True, title=file.split('/')[-1].
      ↪split('\\')[1].split('.')[0], cmap=cm.jet,
      log_scale=True, cbar_value_format='actual', cbar_levels=20,
      ↪cbar_ticks=10)
```

```
c:\Users\yig319\LU Student Dropbox\Yichen
Guo\SRO_STO_Drexel_TSST\notebooks\../py-
characterization/src/XRD\xrd_functions.py:70: UserWarning: Log scale: values of
z <= 0 have been masked
      cs = ax.contourf(Qx, Qz, intensity, levels=levels, cmap=cmap,
```







[ ]: