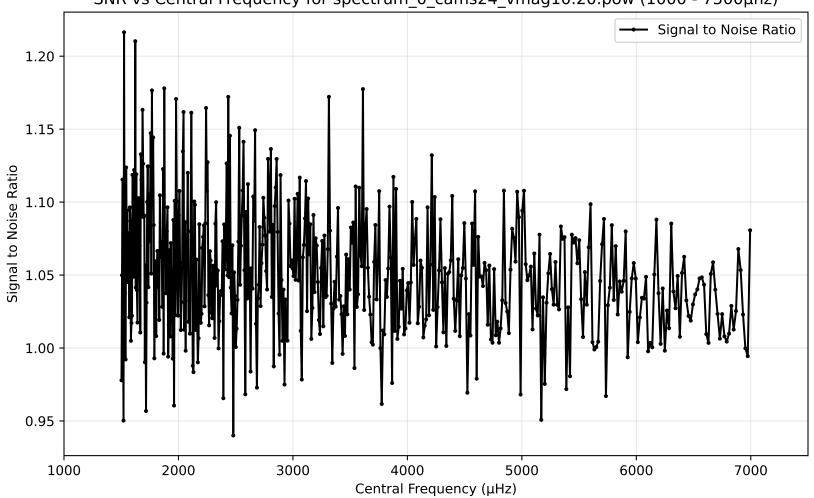
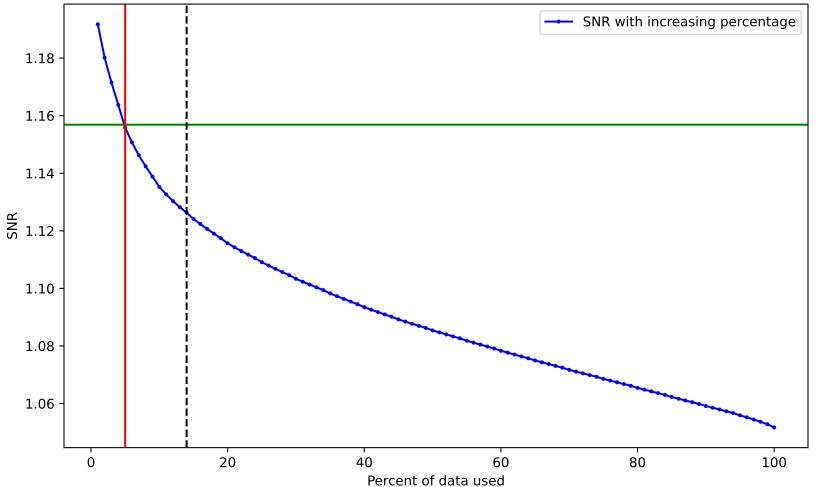
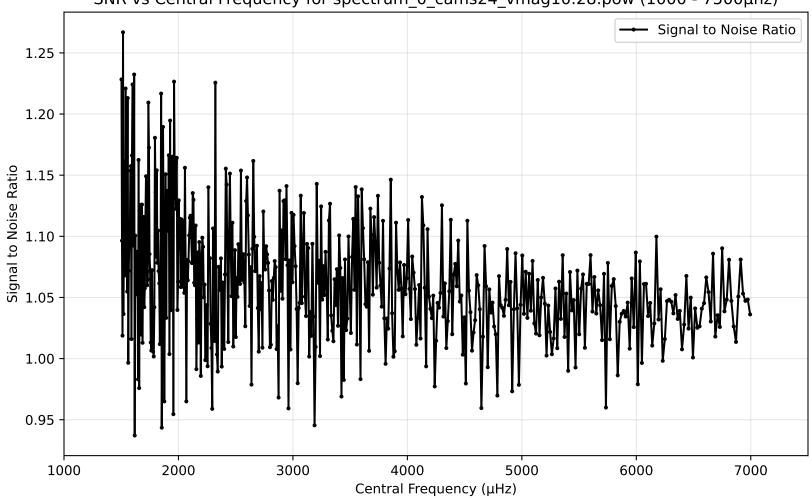
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.20.pow (1000 - 7500µhz)



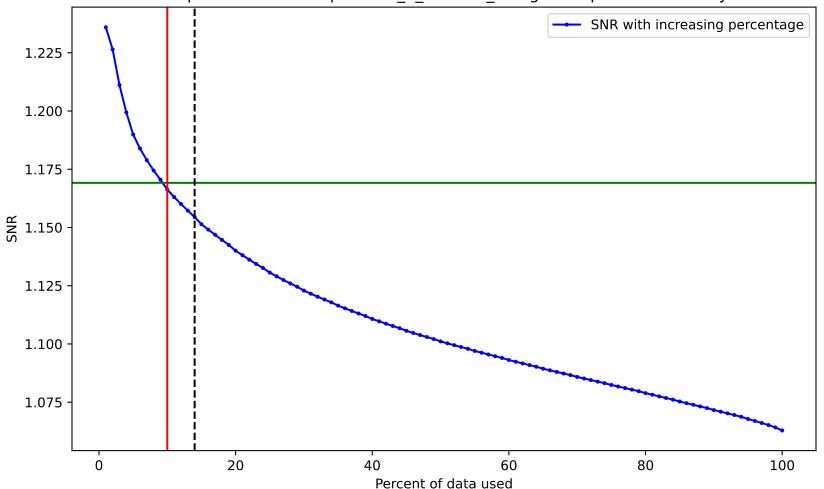
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.20.pow. Drowned by noise at 5.0%.



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.28.pow (1000 - 7500µhz)



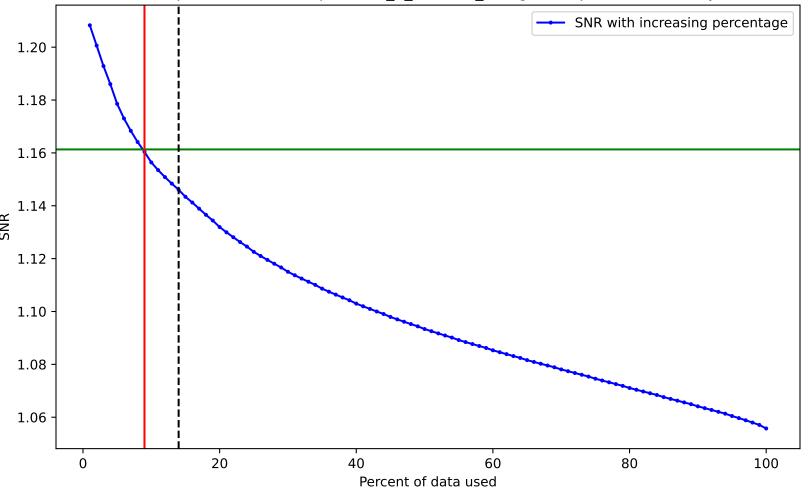
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.28.pow. Drowned by noise at 10.0%.



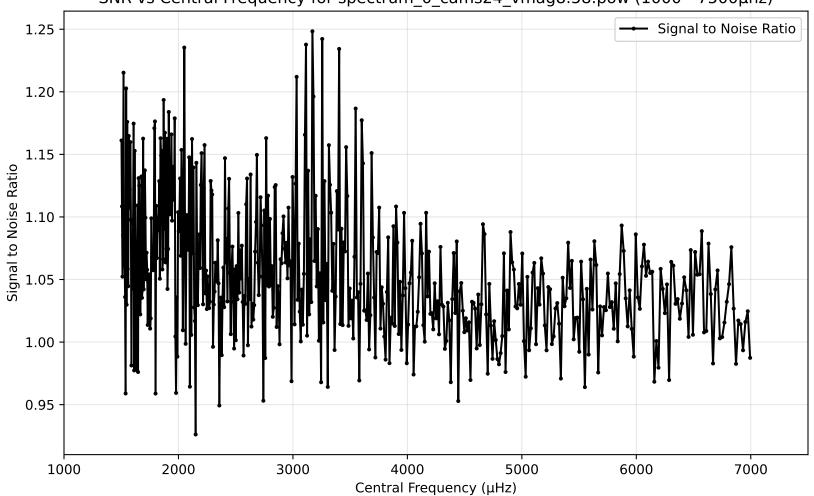
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.45.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

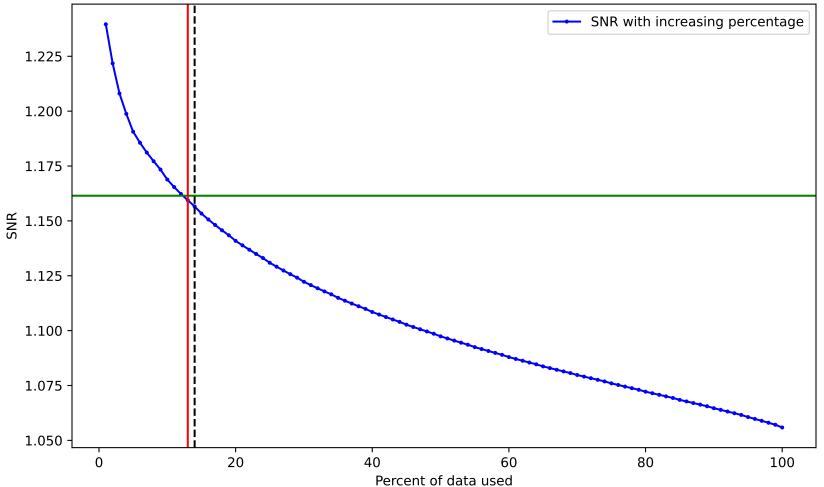
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.45.pow. Drowned by noise at 9.0%.



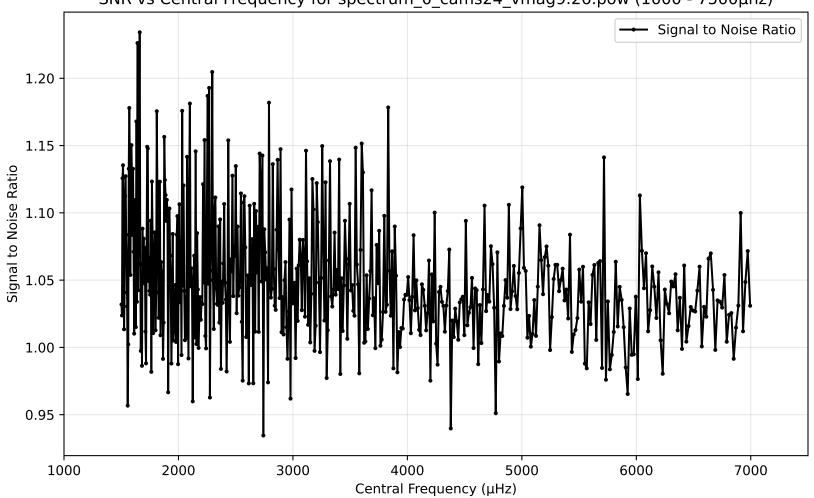
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag8.58.pow (1000 - 7500µhz)



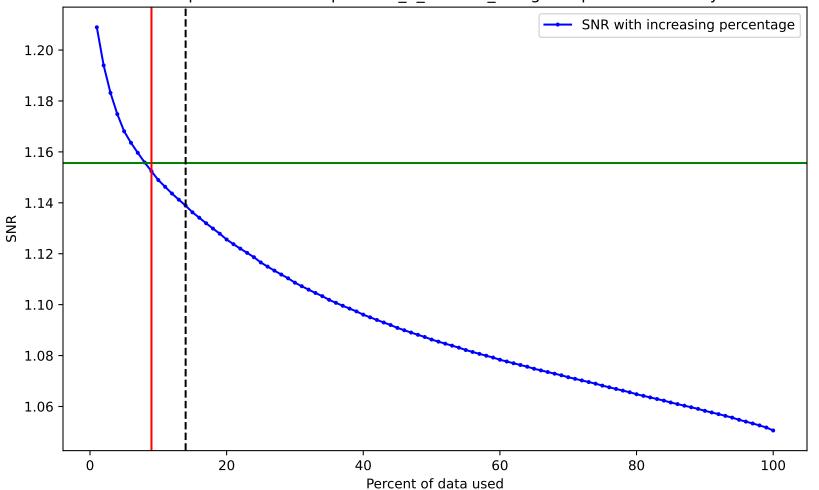
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag8.58.pow. Drowned by noise at 13.0%.



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.26.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.26.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.75.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 1.10 1.05 1.00 0.95

4000

Central Frequency (µHz)

6000

5000

7000

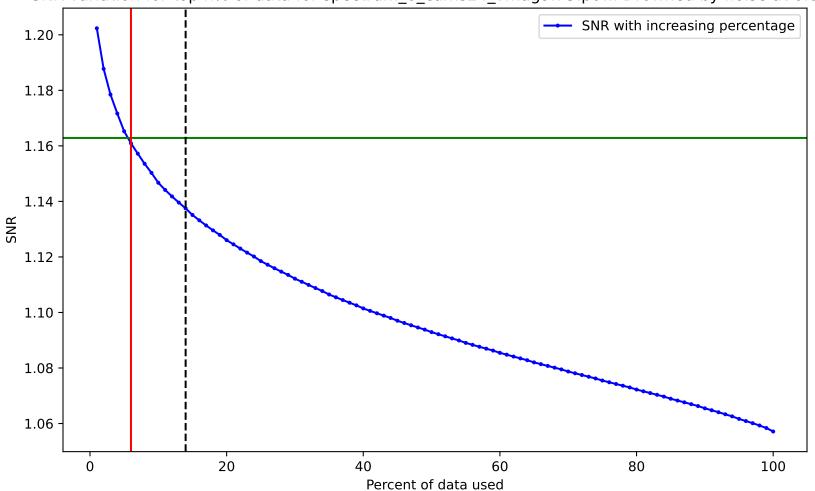
Signal to Noise Ratio

1000

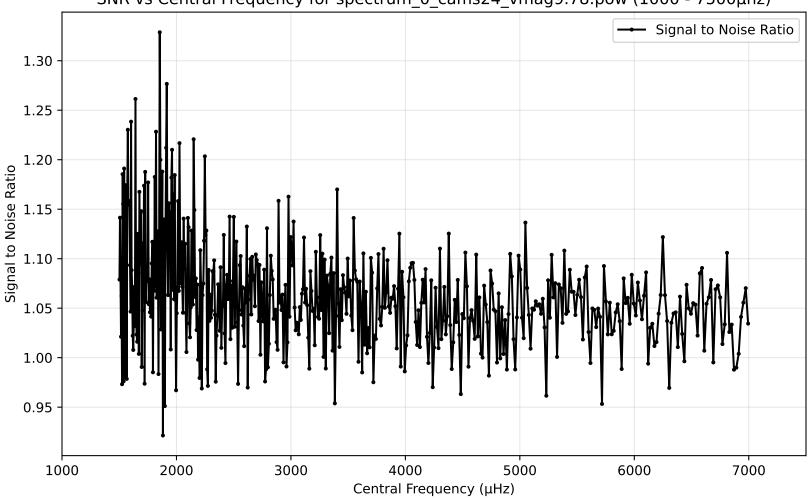
2000

3000

SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.75.pow. Drowned by noise at 6.0%.



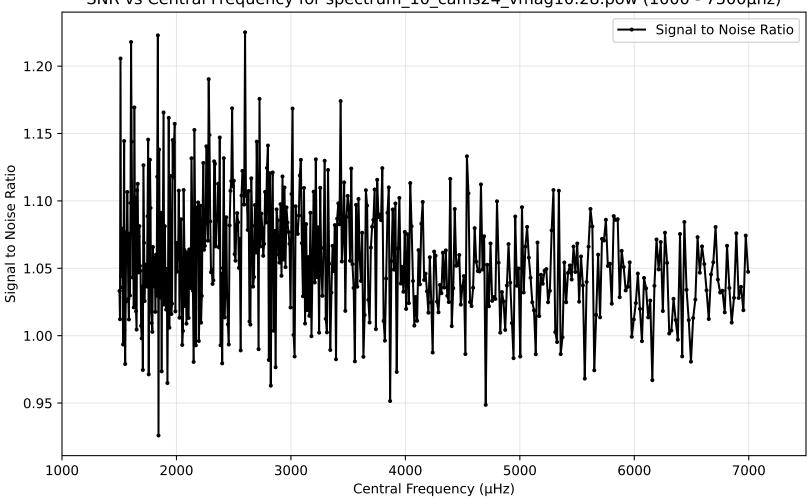
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.78.pow (1000 - 7500µhz)

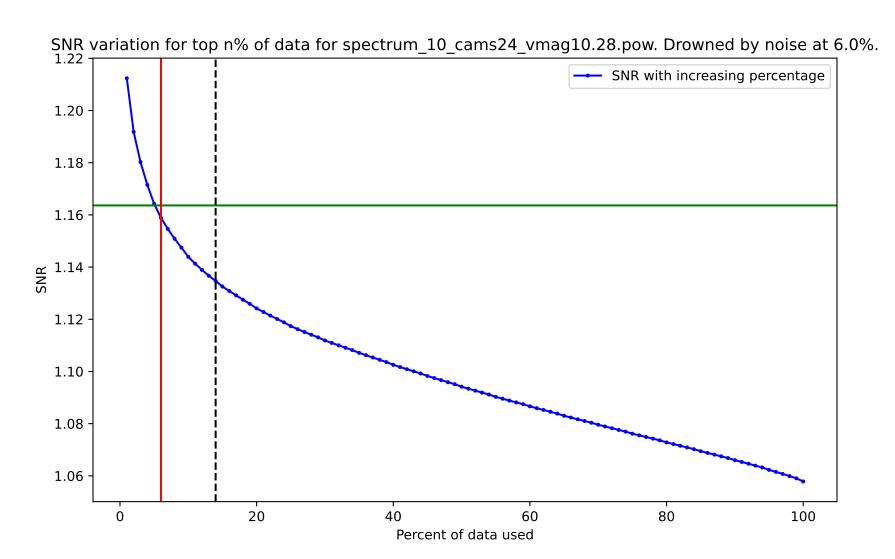


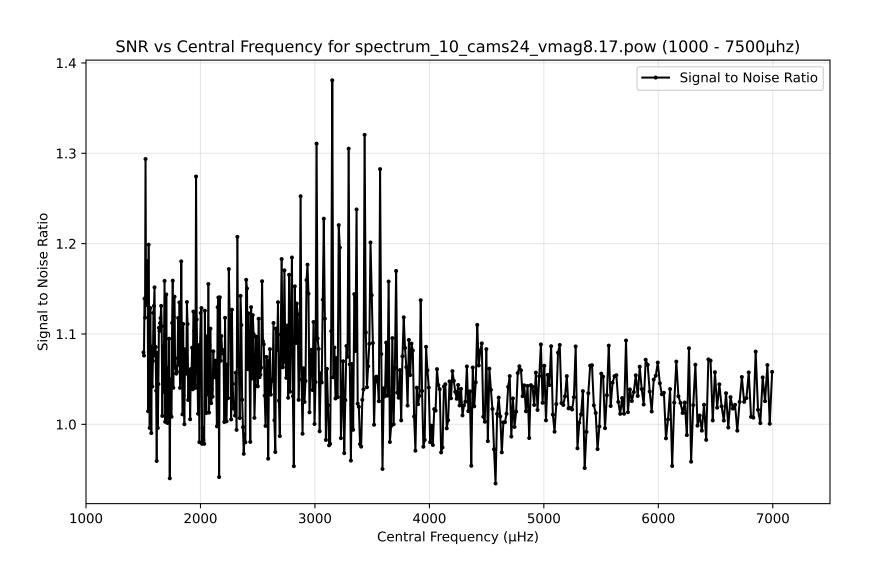
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.78.pow. Drowned by noise at 12.0%. 1.275 -SNR with increasing percentage 1.250 1.225 -1.200 -1.175 -1.150 -1.125 1.100 1.075 -20 40 60 80 100

Percent of data used

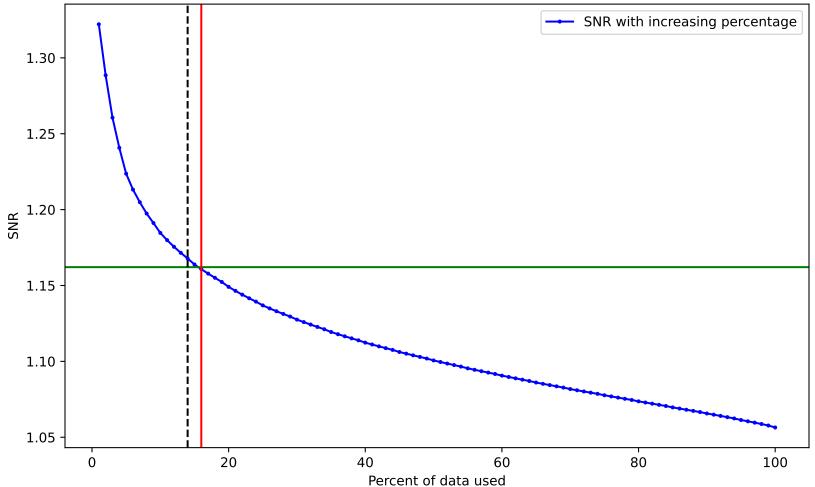
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag10.28.pow (1000 - 7500µhz)







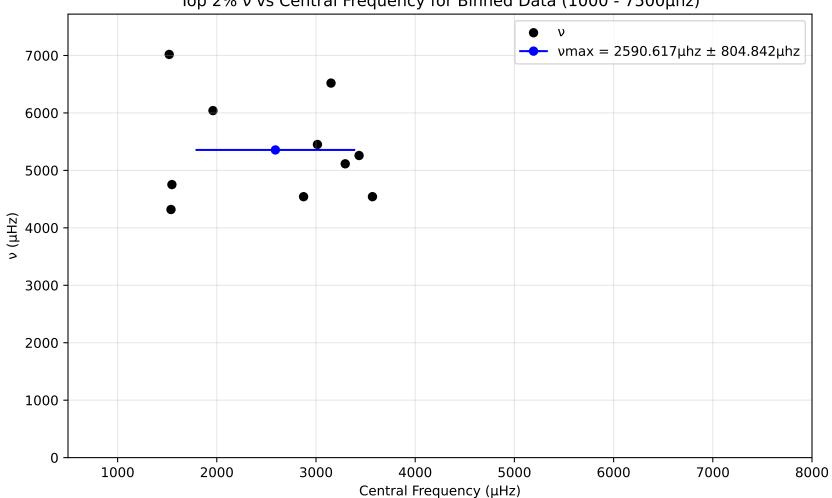
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.17.pow. Drowned by noise at 16.0%.



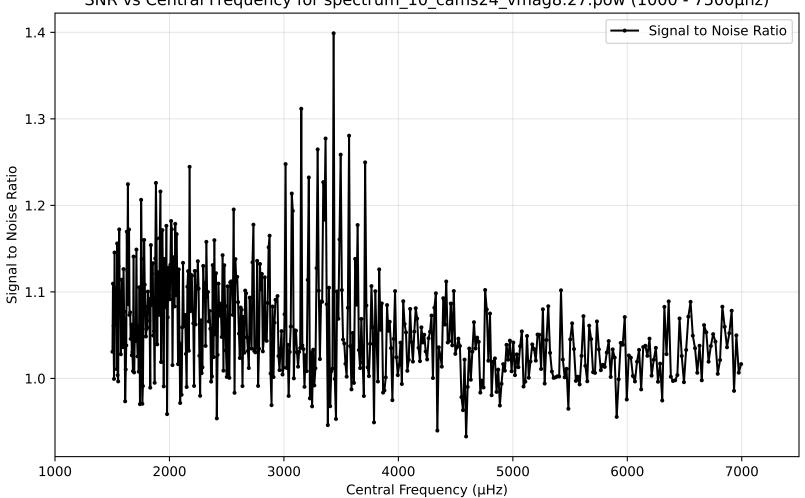
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) 

Central Frequency (µHz)

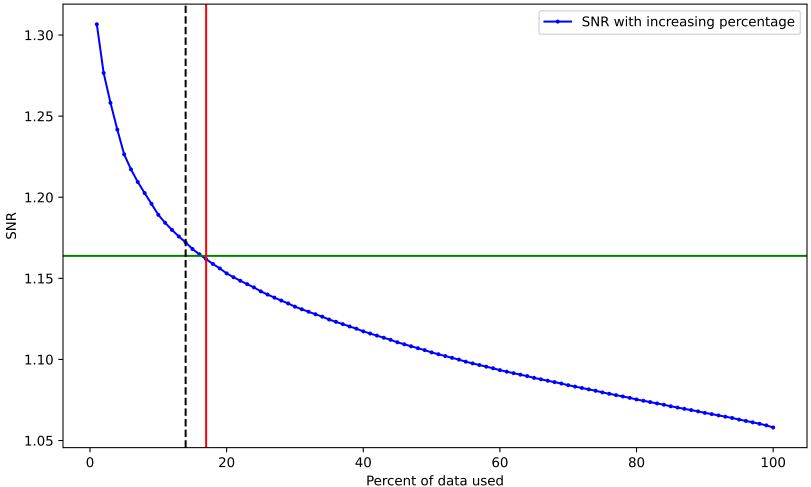
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



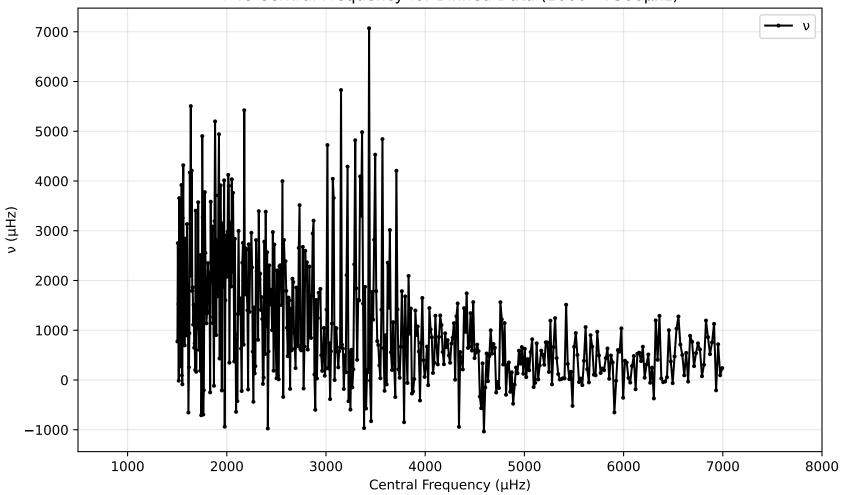
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag8.27.pow (1000 - 7500µhz)



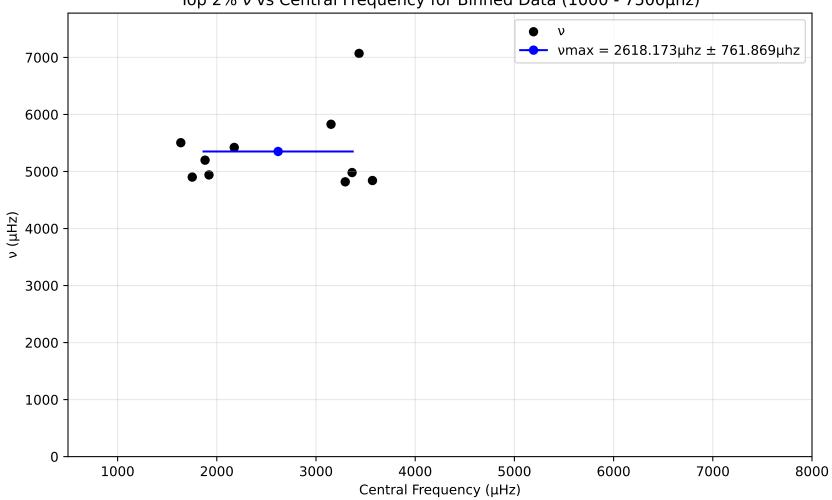
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.27.pow. Drowned by noise at 17.0%.



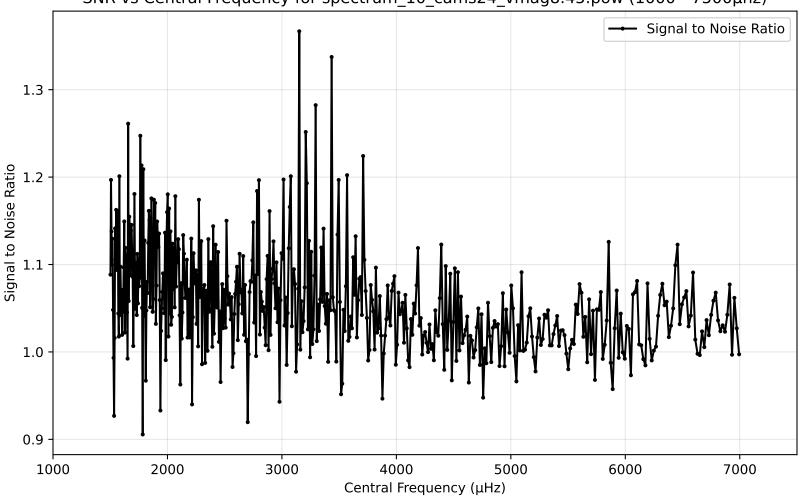
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



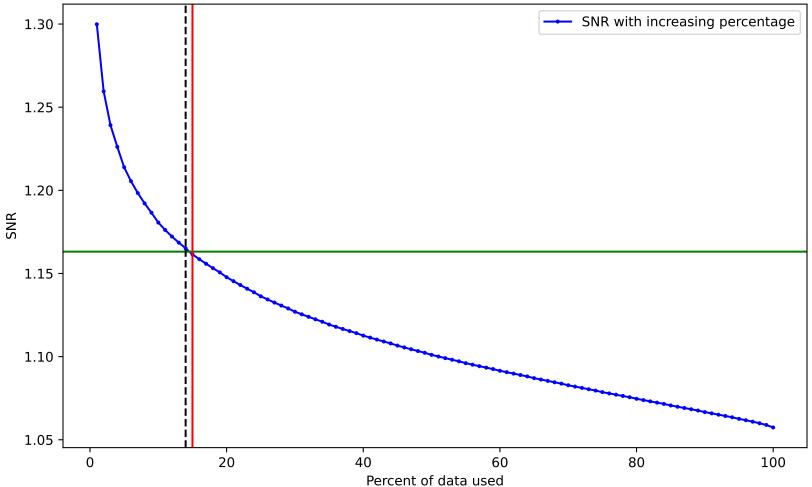
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

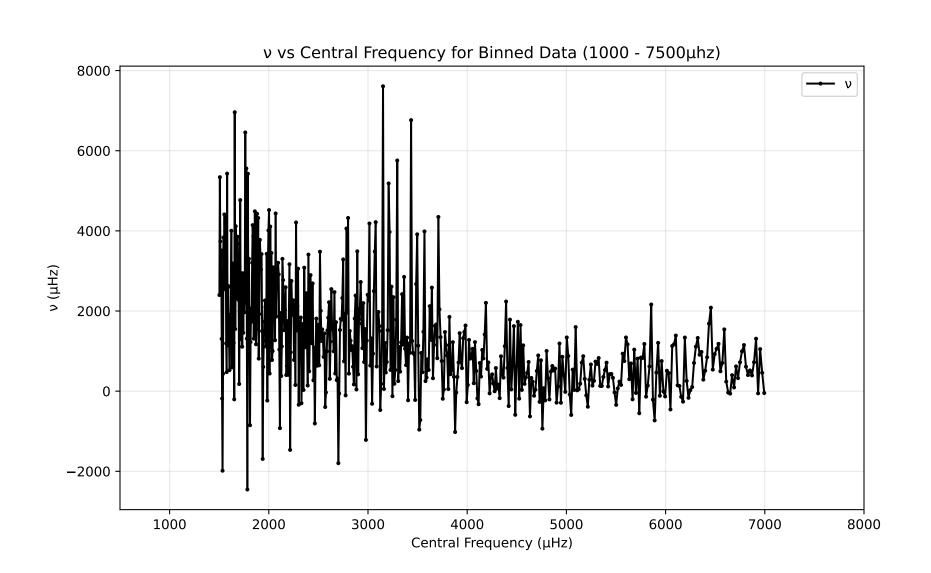


SNR vs Central Frequency for spectrum\_10\_cams24\_vmag8.45.pow (1000 - 7500µhz)

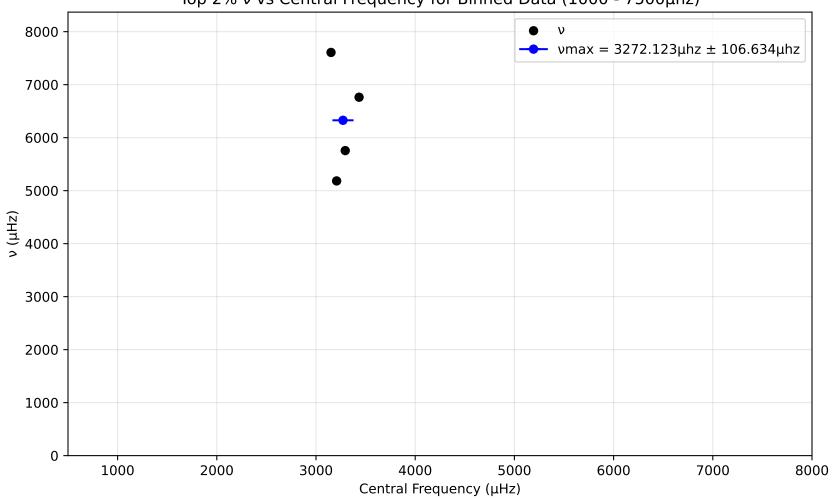


SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.45.pow. Drowned by noise at 15.0%.

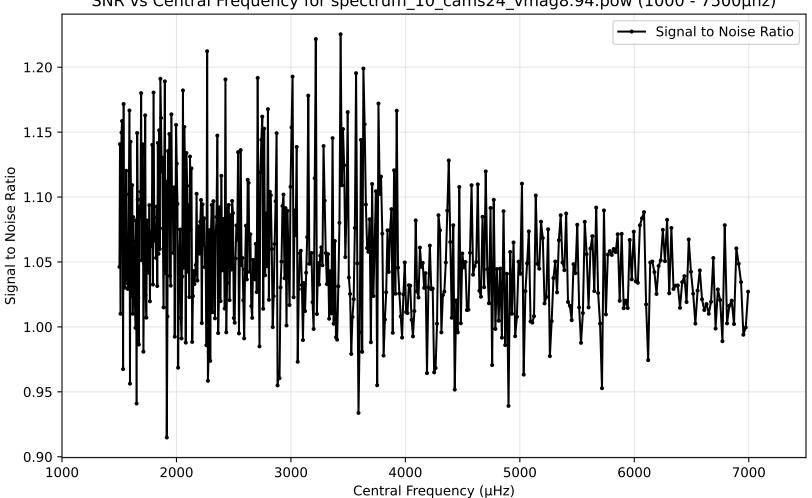




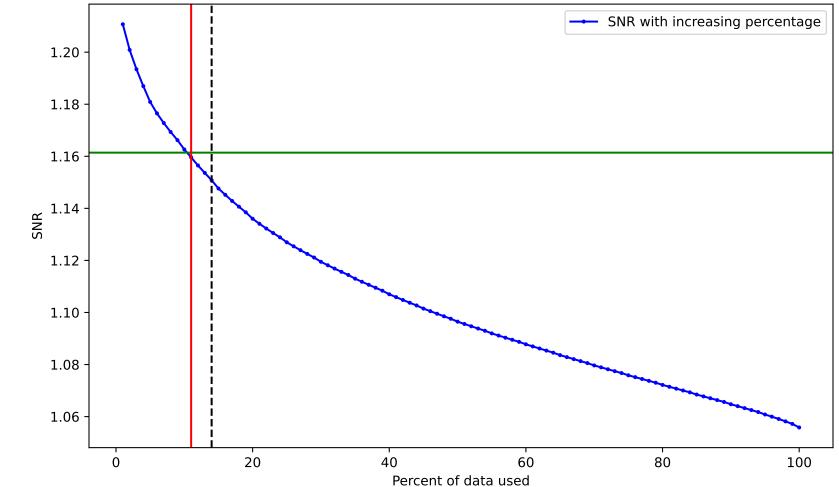
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



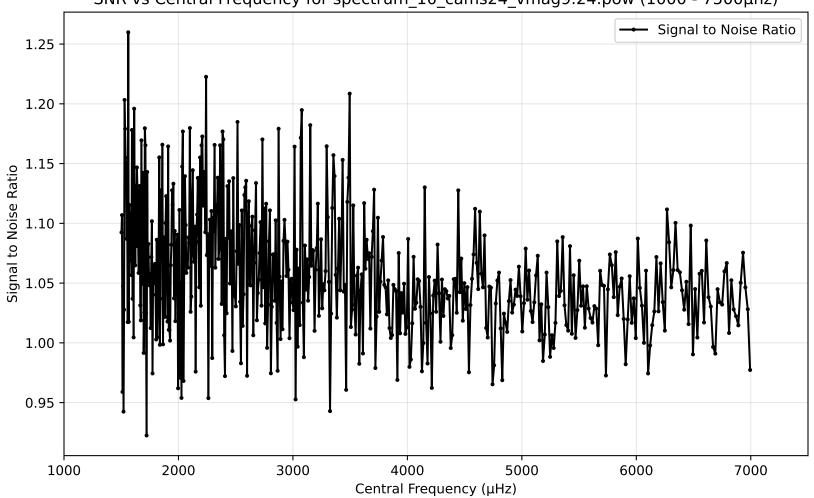
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag8.94.pow (1000 - 7500µhz)



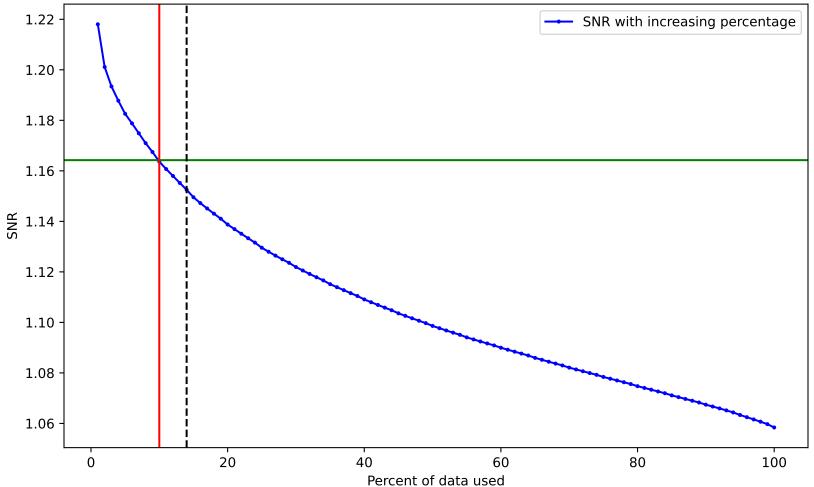
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.94.pow. Drowned by noise at 11.0%.



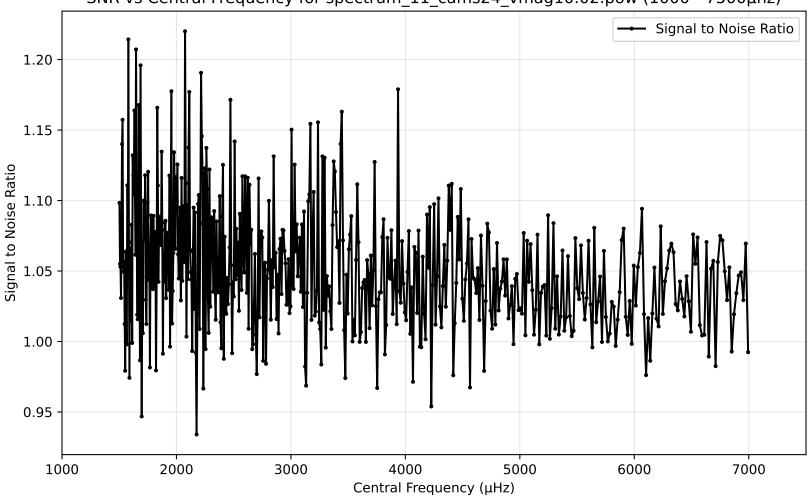
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.24.pow (1000 - 7500µhz)



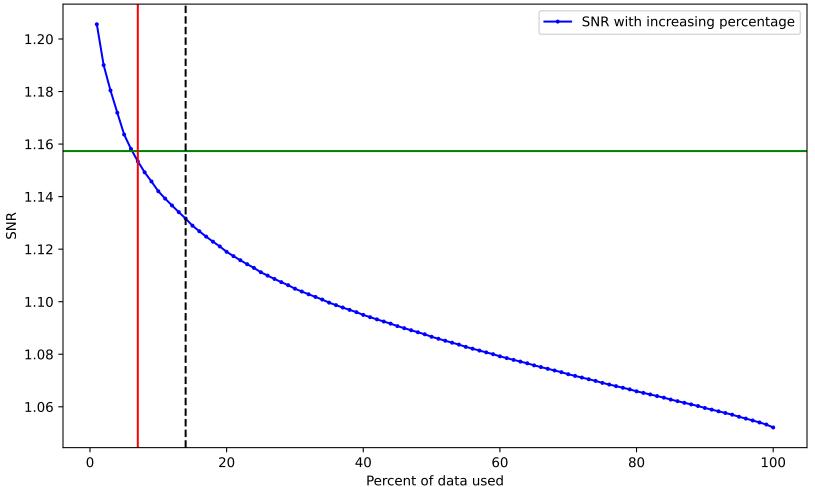
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.24.pow. Drowned by noise at 10.0%.



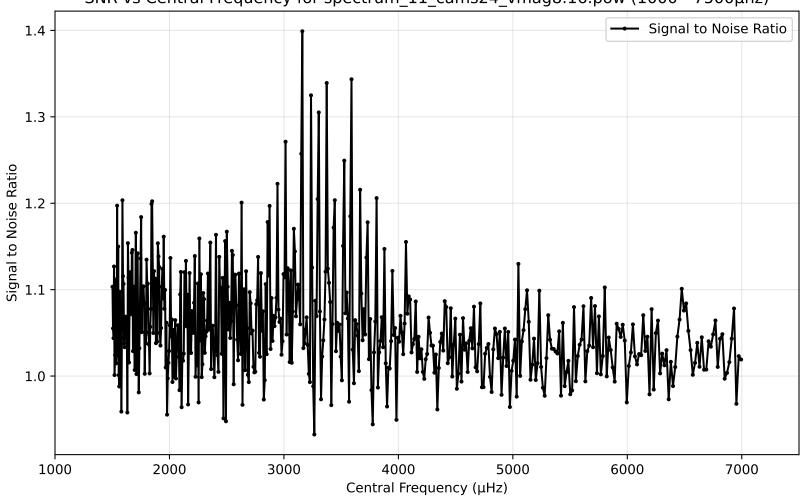
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag10.02.pow (1000 - 7500µhz)



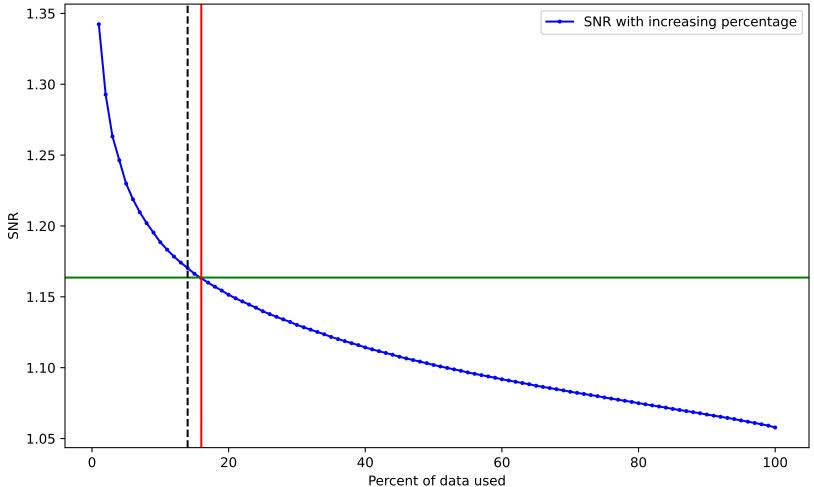
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag10.02.pow. Drowned by noise at 7.0%.

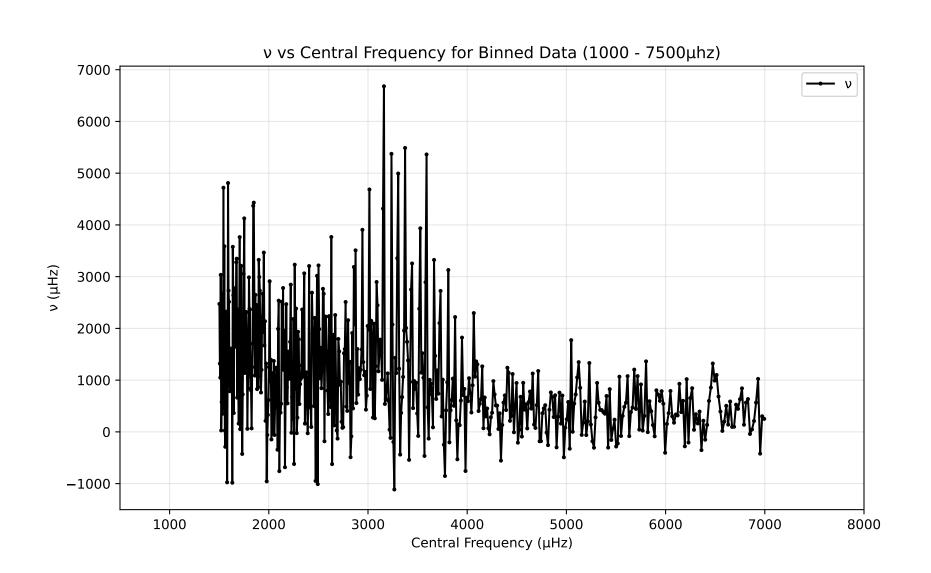


SNR vs Central Frequency for spectrum\_11\_cams24\_vmag8.16.pow (1000 - 7500µhz)

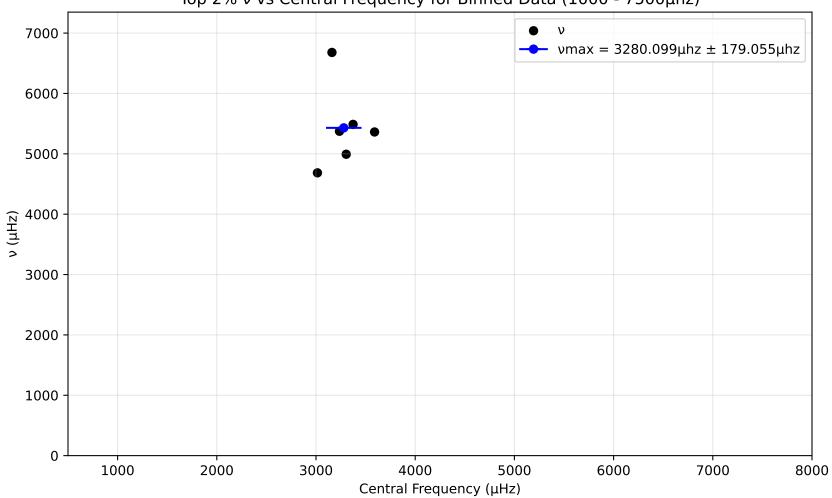


SNR variation for top n% of data for spectrum\_11\_cams24\_vmag8.16.pow. Drowned by noise at 16.0%.

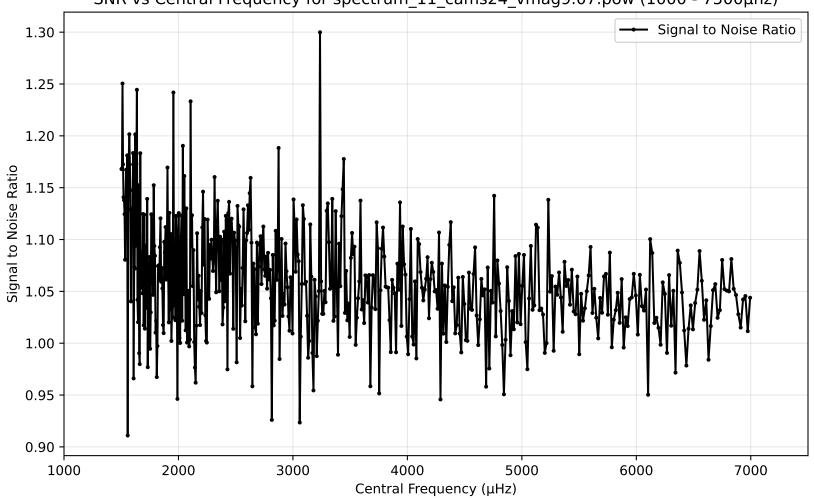




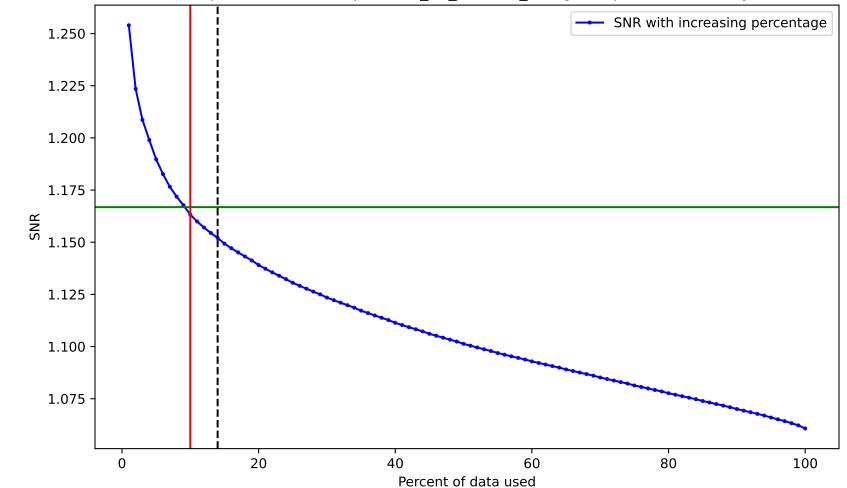
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



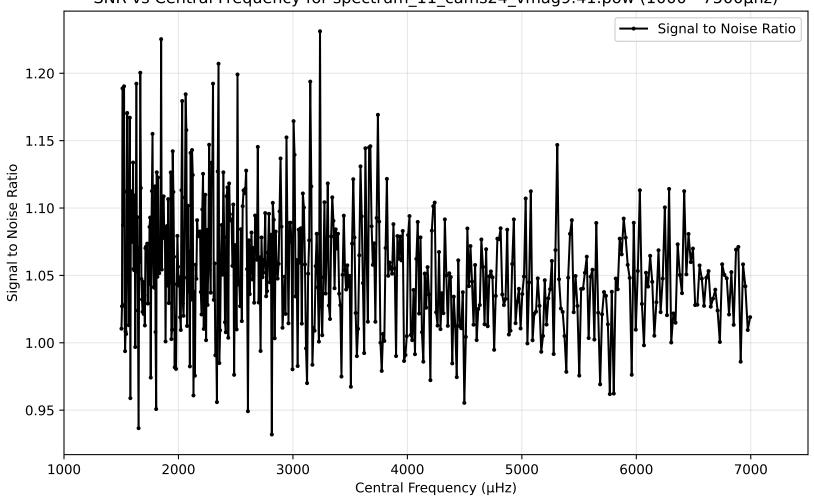
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.07.pow (1000 - 7500µhz)

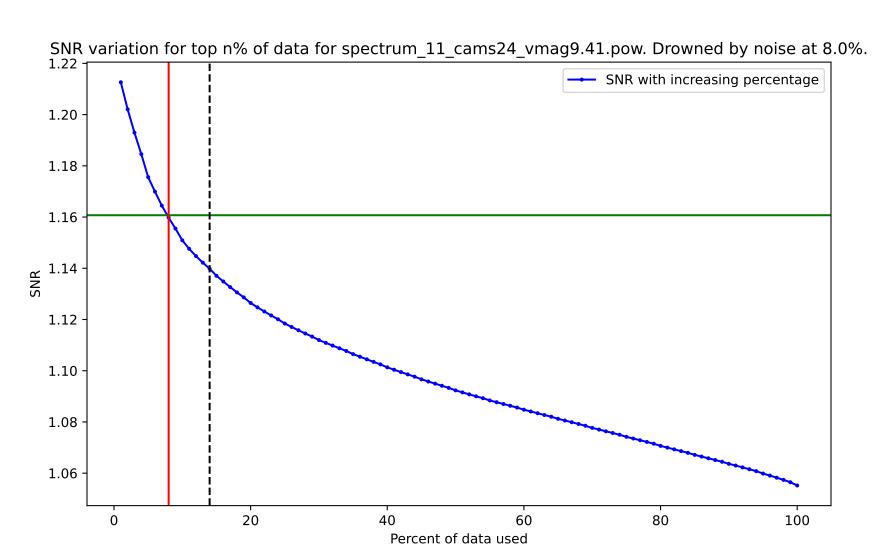


SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.07.pow. Drowned by noise at 10.0%.

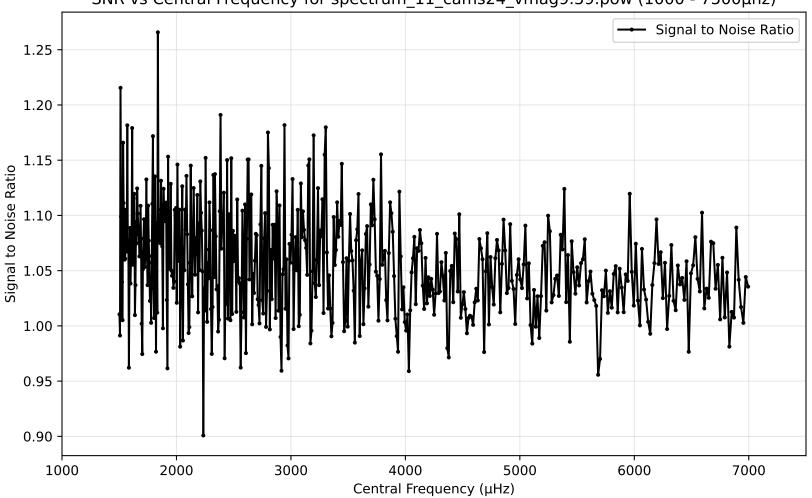


SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.41.pow (1000 - 7500µhz)

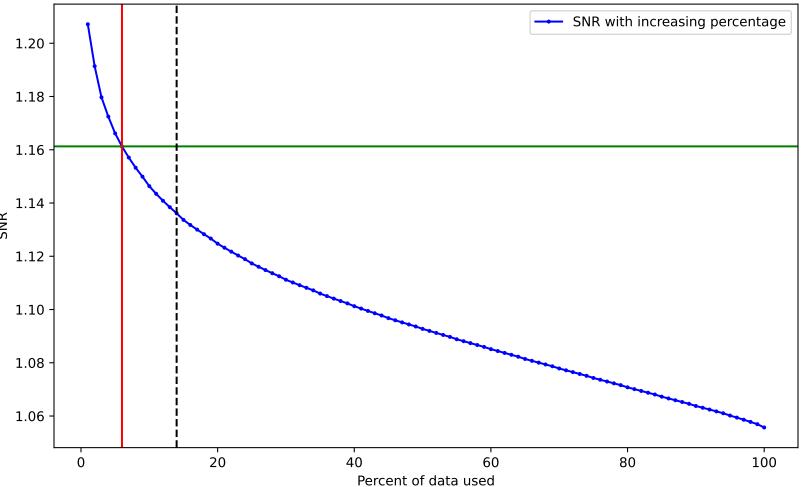




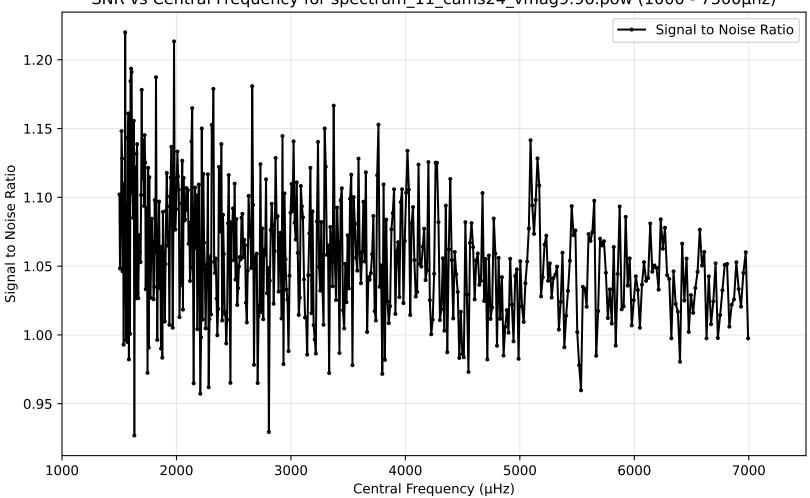
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.59.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.59.pow. Drowned by noise at 6.0%.

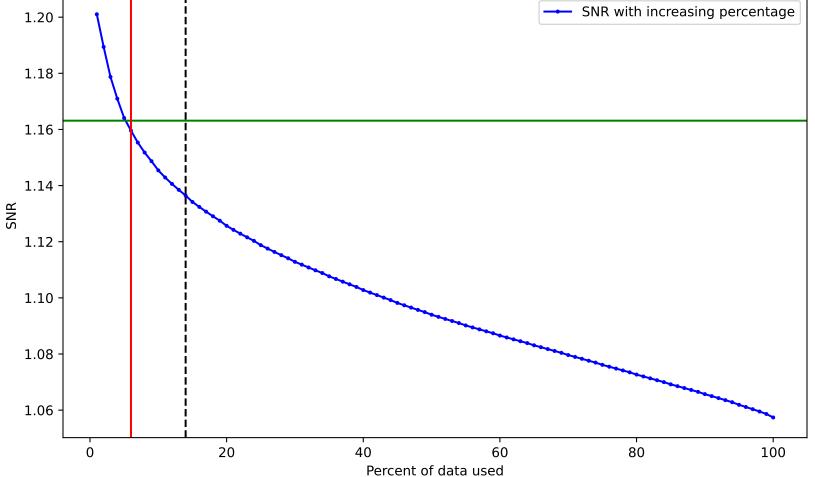


SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.96.pow (1000 - 7500µhz)

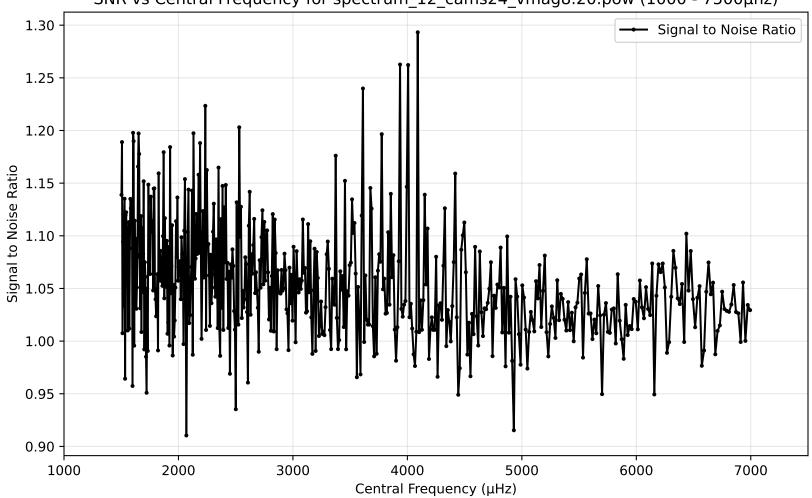


SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.96.pow. Drowned by noise at 6.0%.

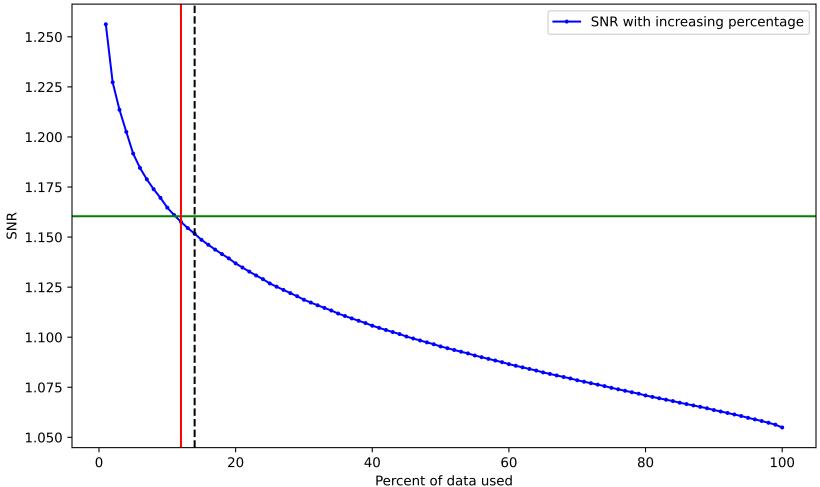
1.20 - SNR with increasing percentage



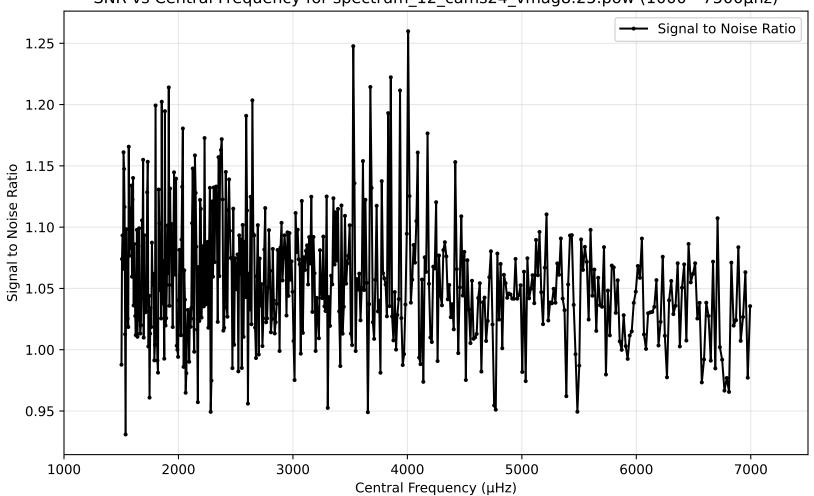
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag8.20.pow (1000 - 7500µhz)



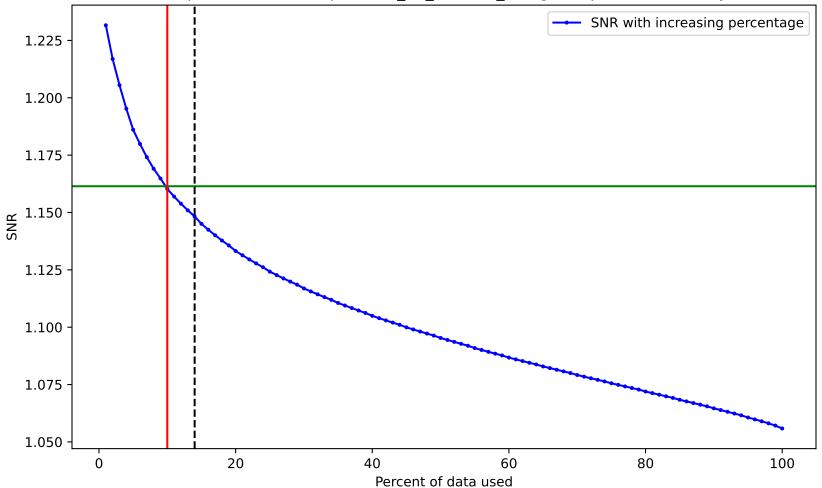
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag8.20.pow. Drowned by noise at 12.0%.

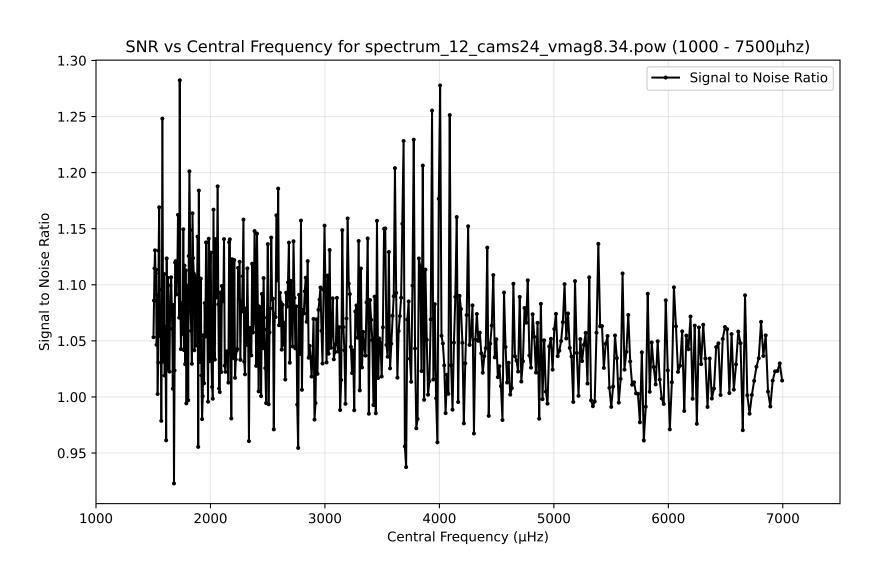


SNR vs Central Frequency for spectrum\_12\_cams24\_vmag8.25.pow (1000 - 7500µhz)

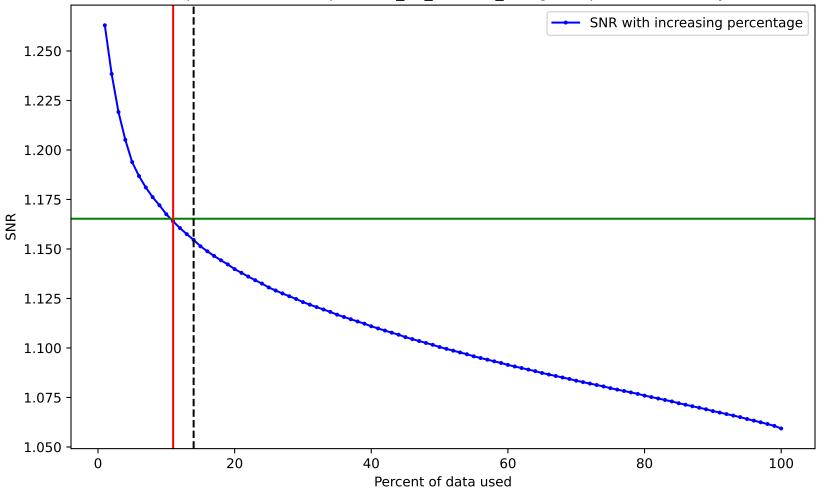


SNR variation for top n% of data for spectrum\_12\_cams24\_vmag8.25.pow. Drowned by noise at 10.0%.

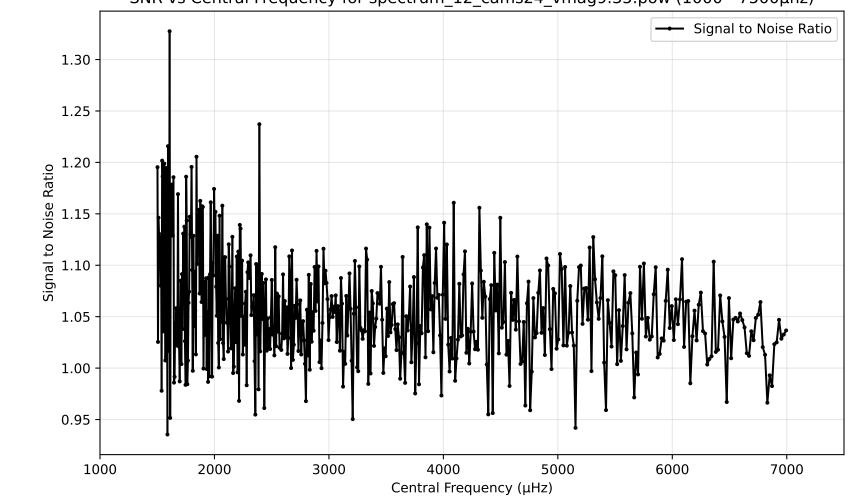




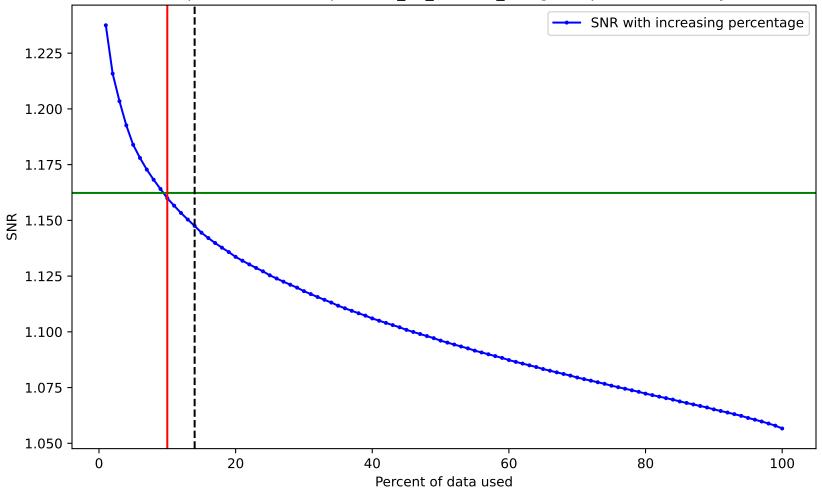
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag8.34.pow. Drowned by noise at 11.0%.



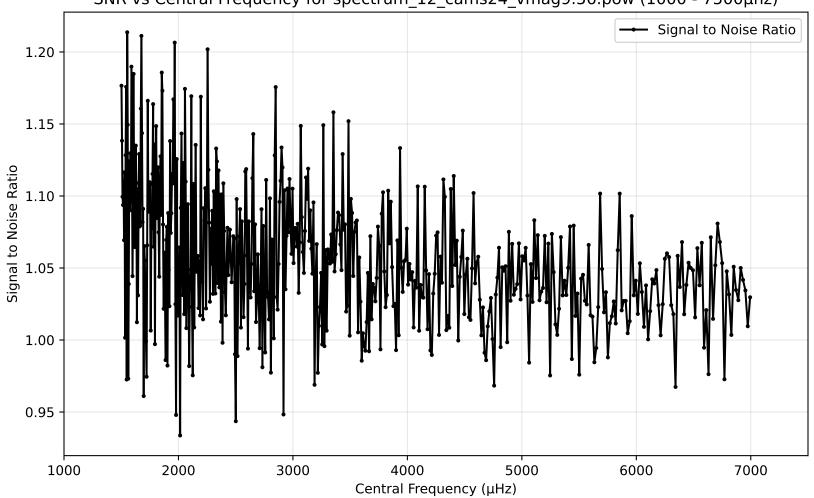
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.35.pow (1000 - 7500µhz)



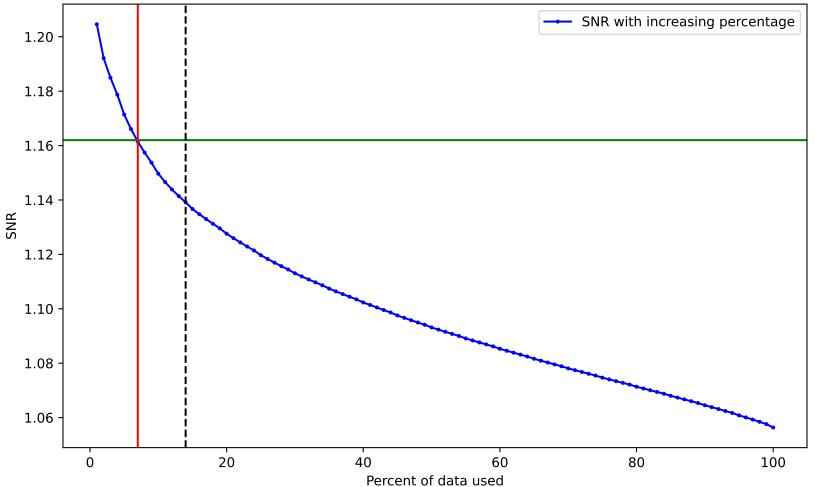
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.35.pow. Drowned by noise at 10.0%.



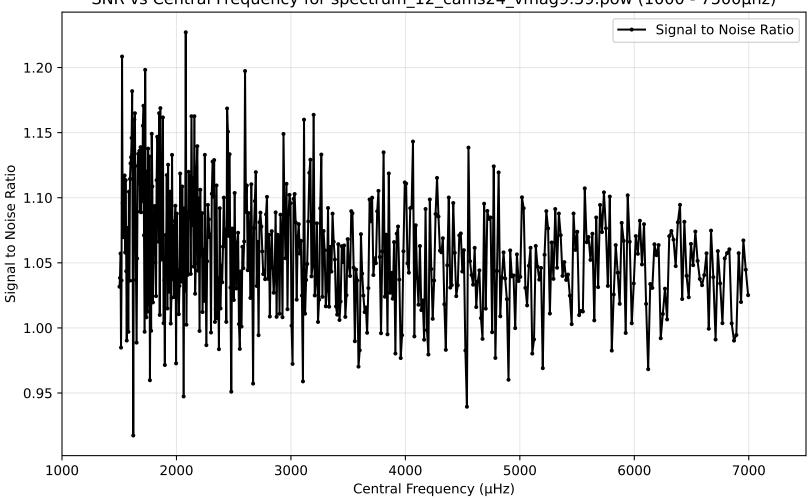
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.56.pow (1000 - 7500µhz)



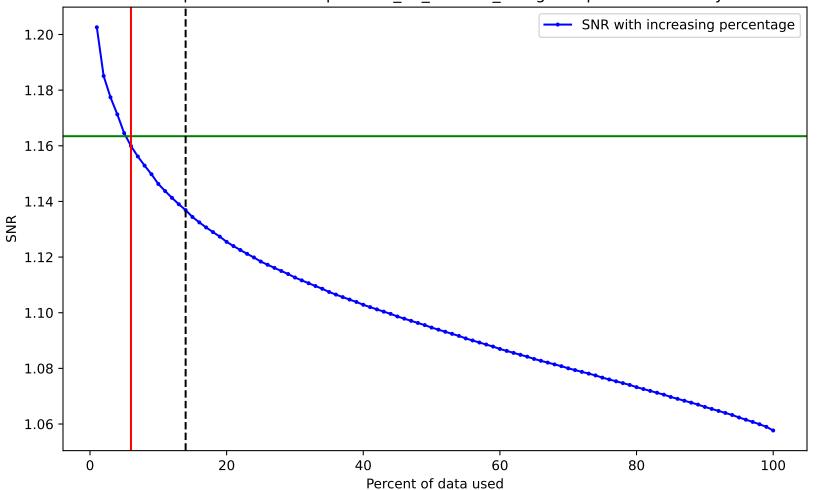
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.56.pow. Drowned by noise at 7.0%.



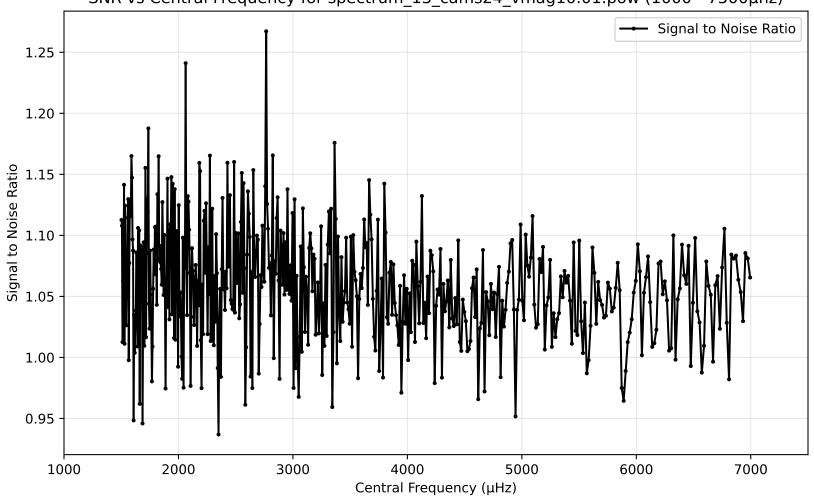
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.59.pow (1000 - 7500µhz)



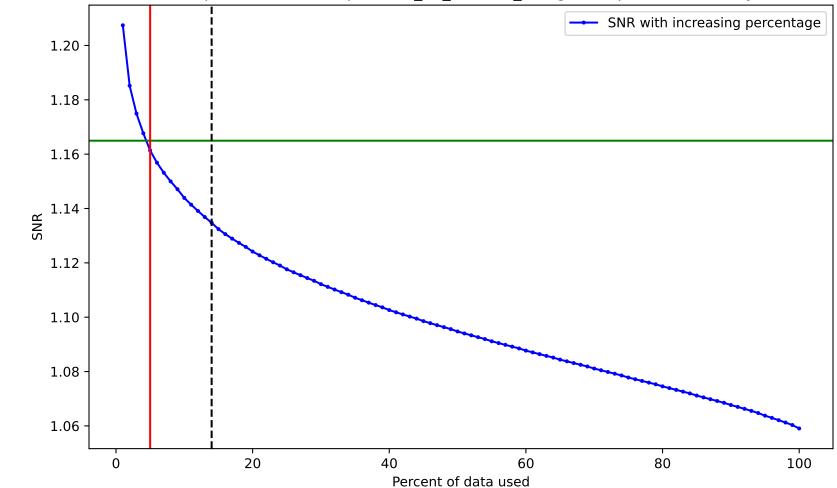
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.59.pow. Drowned by noise at 6.0%.



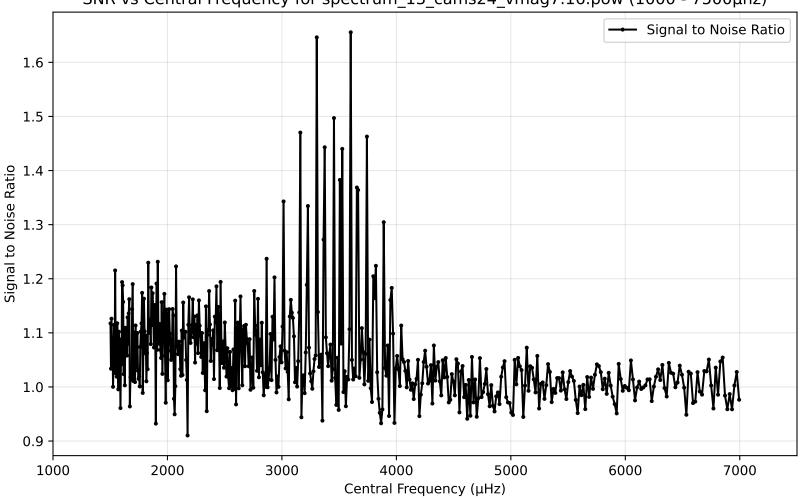
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag10.01.pow (1000 - 7500µhz)



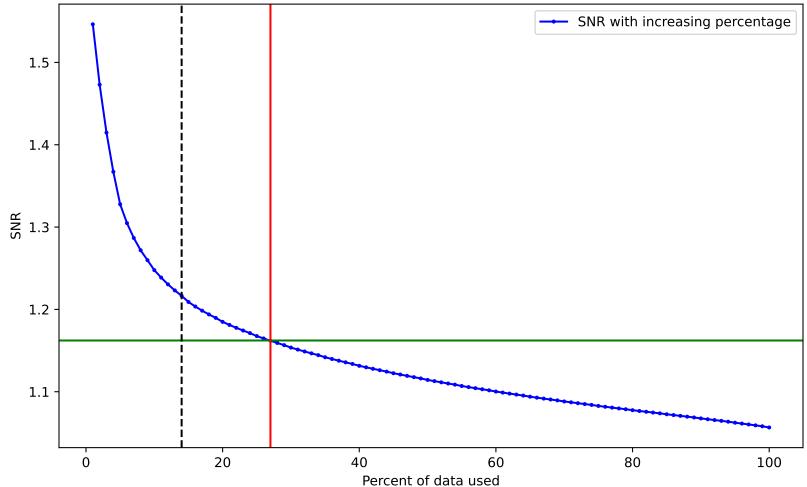
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag10.01.pow. Drowned by noise at 5.0%.



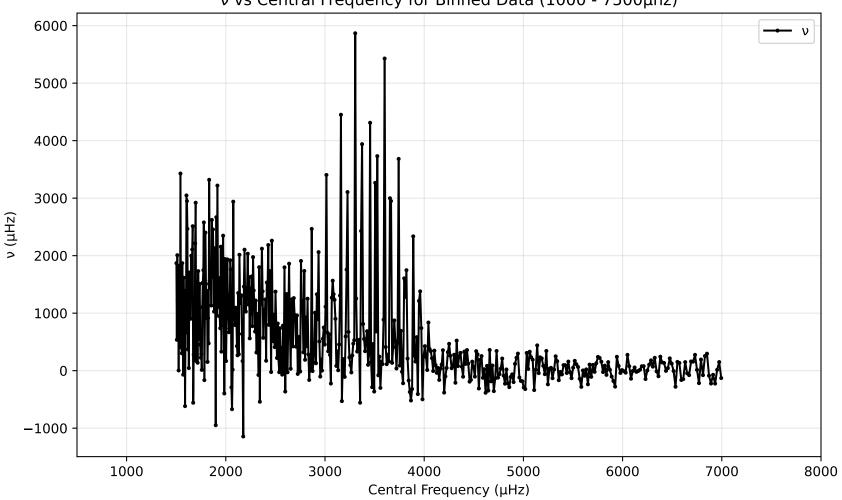
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.16.pow (1000 - 7500µhz)



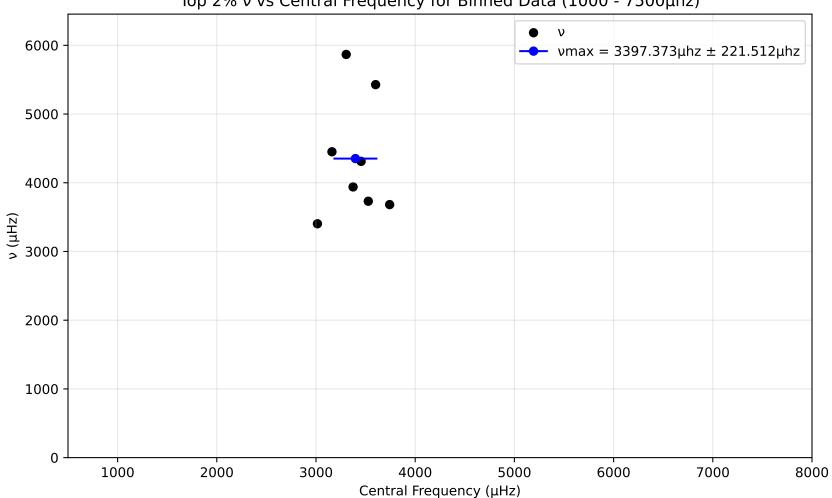
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.16.pow. Drowned by noise at 27.0%.



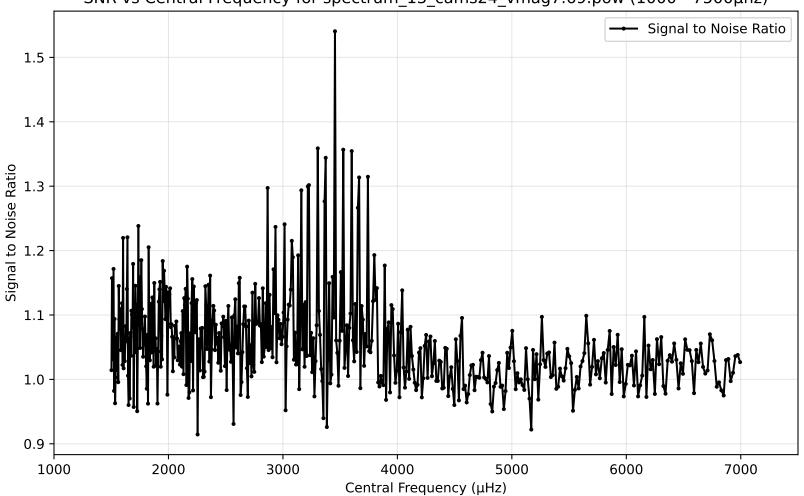
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



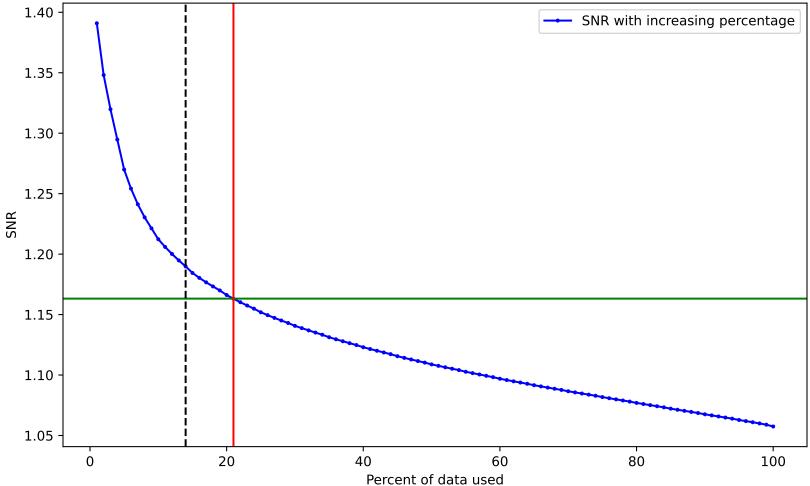
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.69.pow (1000 - 7500µhz)



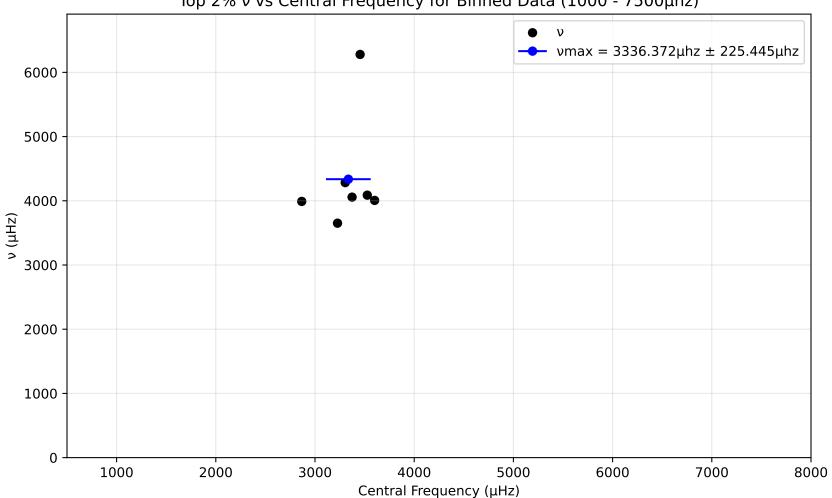
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.69.pow. Drowned by noise at 21.0%.



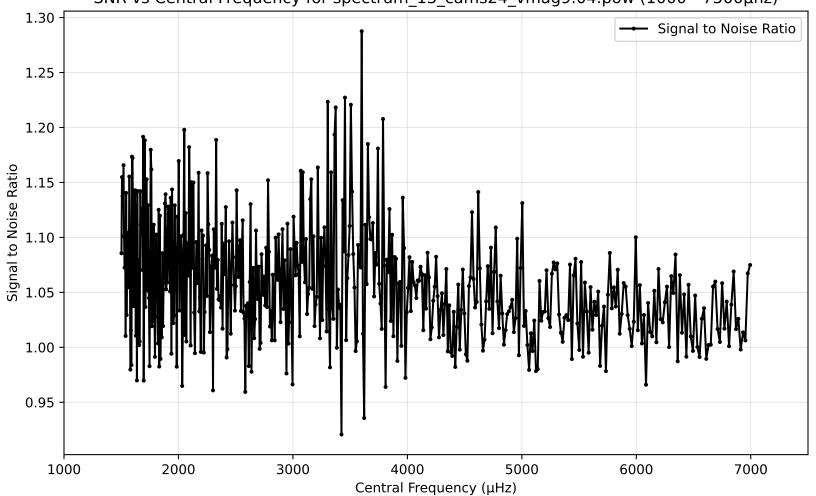
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

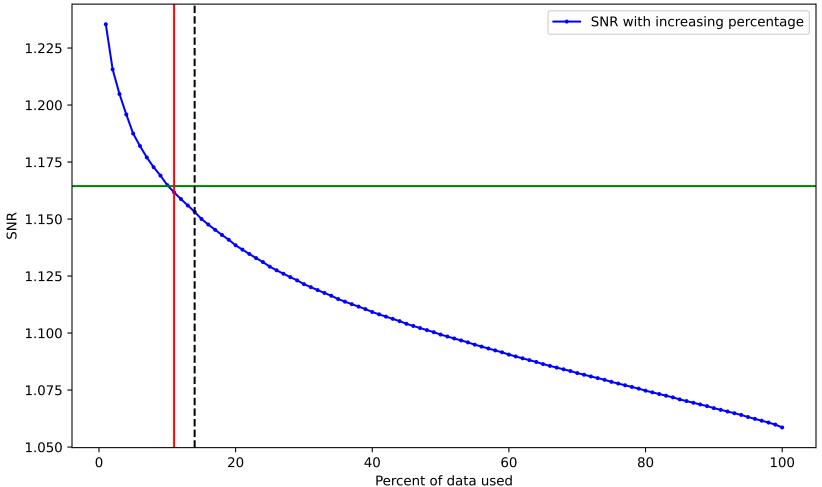
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



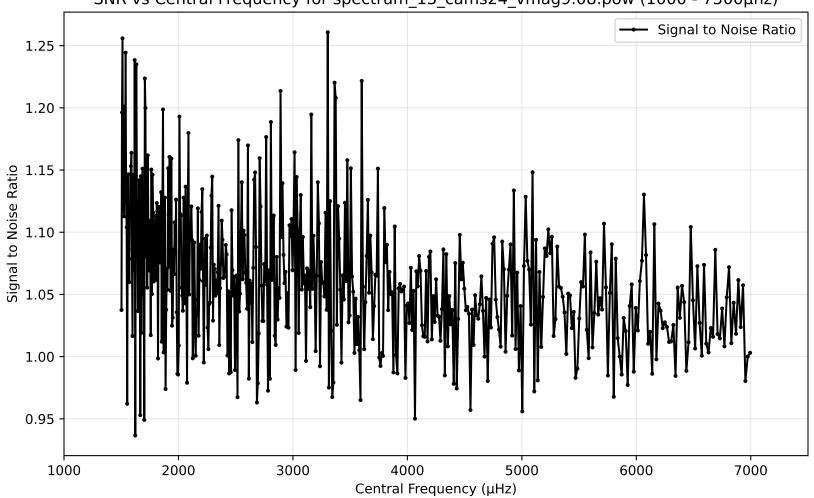
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.04.pow (1000 - 7500µhz)



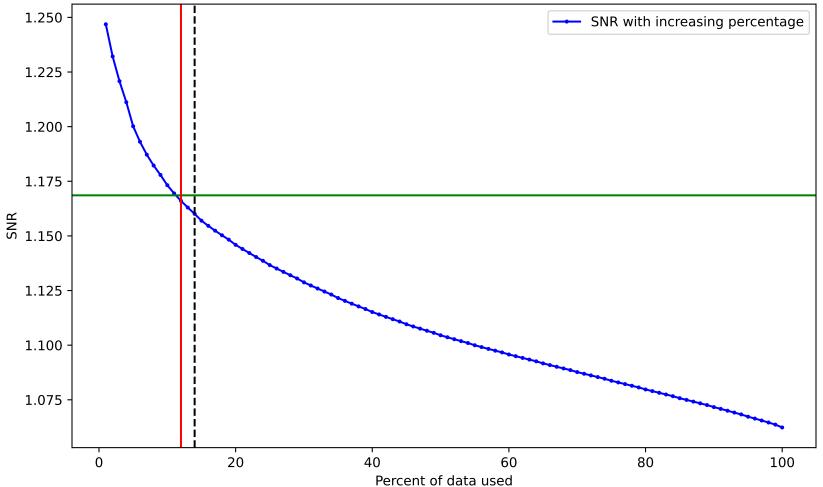
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag9.04.pow. Drowned by noise at 11.0%.



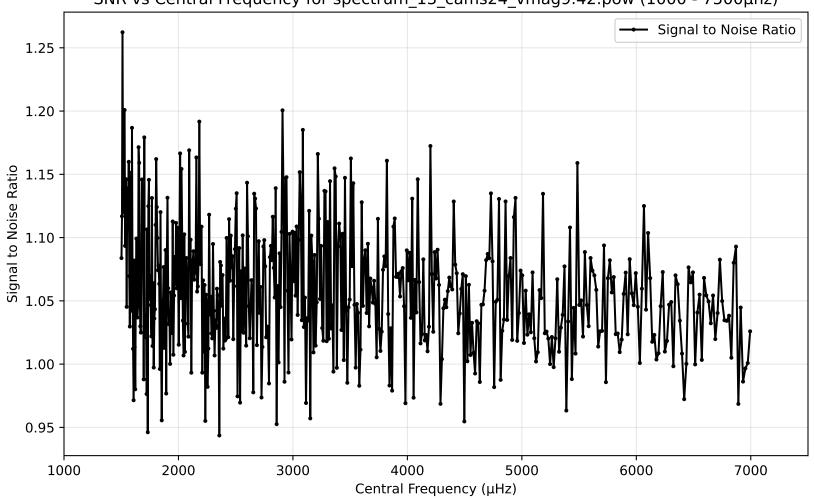
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.08.pow (1000 - 7500µhz)



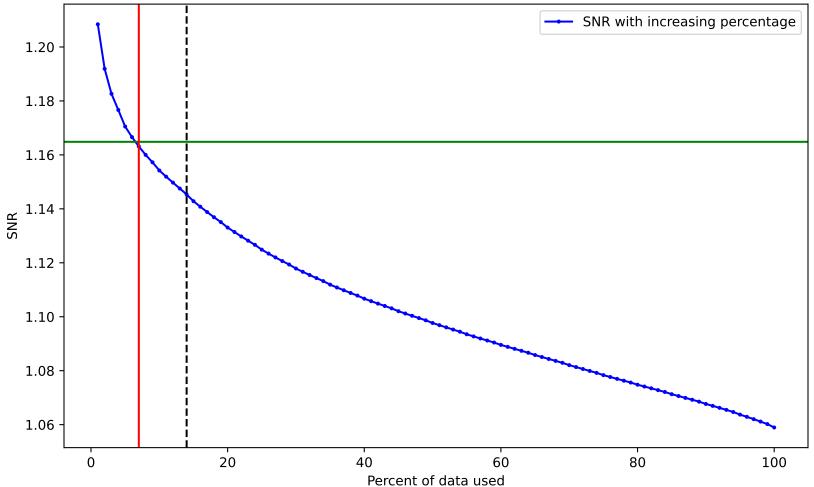
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag9.08.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.42.pow (1000 - 7500µhz)



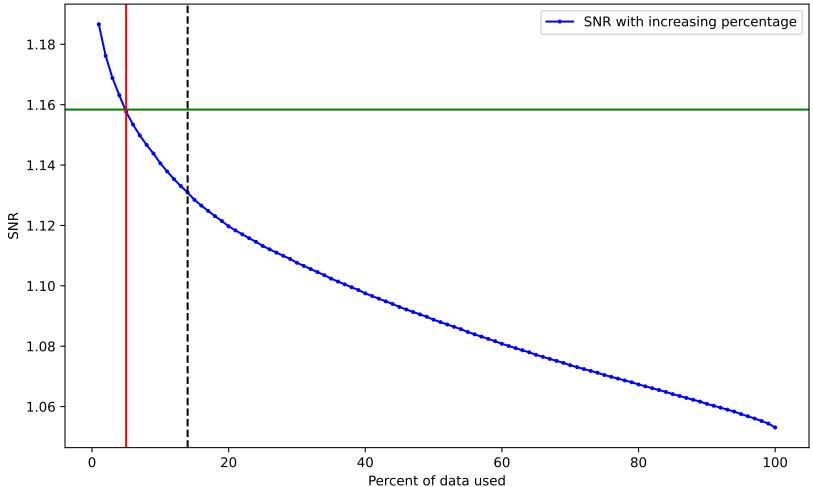
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag9.42.pow. Drowned by noise at 7.0%.



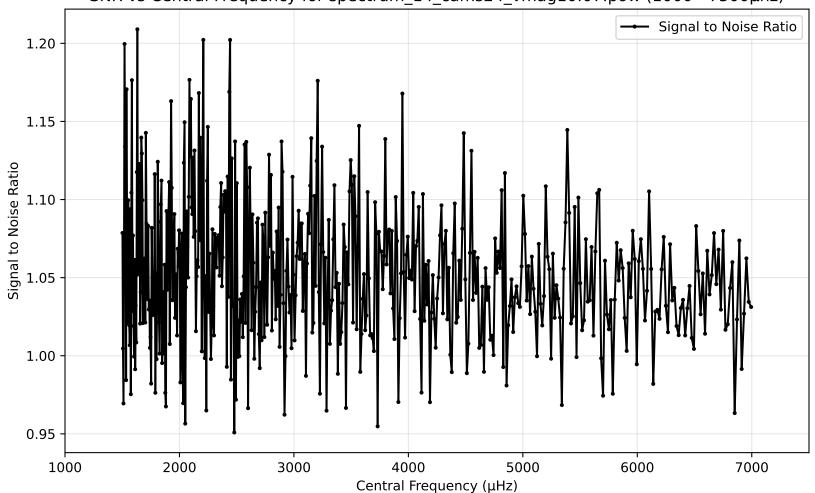
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag10.03.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

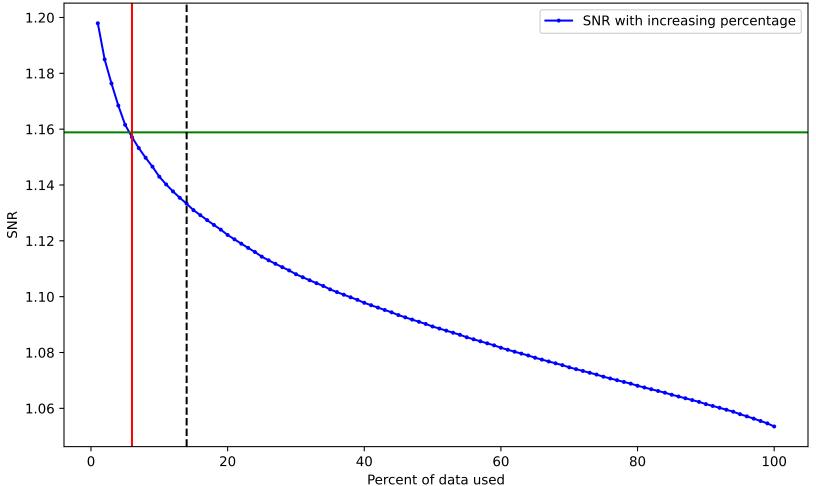
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag10.03.pow. Drowned by noise at 5.0%.



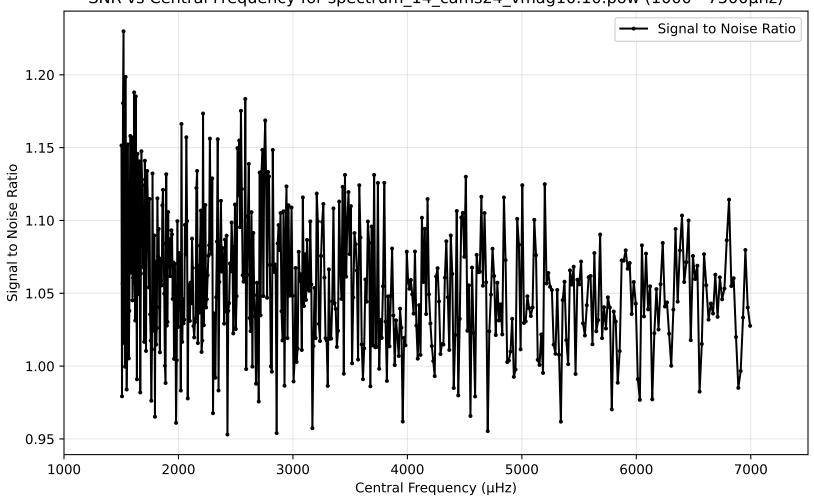
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag10.07.pow (1000 - 7500µhz)



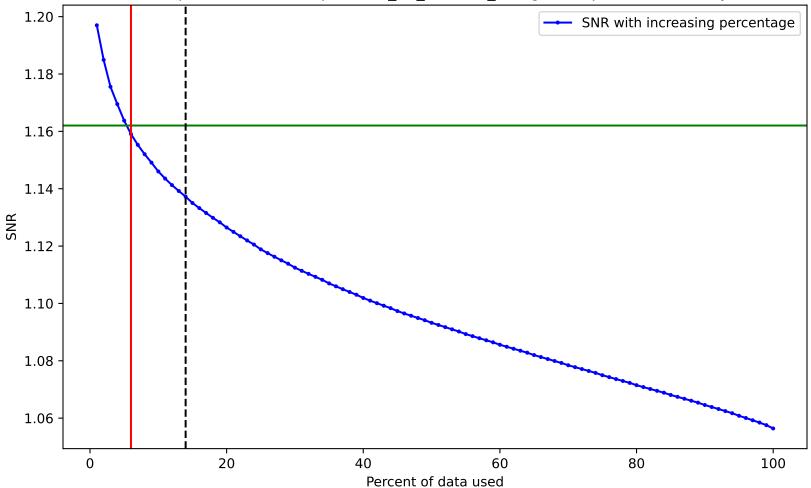
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag10.07.pow. Drowned by noise at 6.0%.



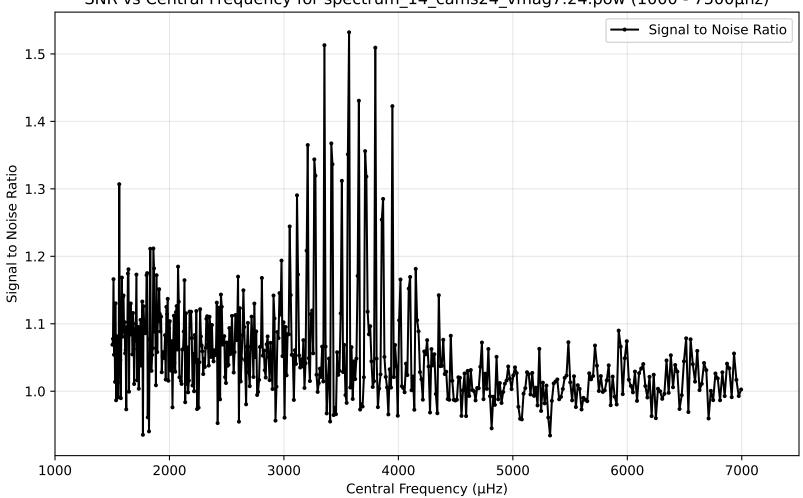
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag10.10.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_14\_cams24\_vmag10.10.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.24.pow (1000 - 7500µhz)

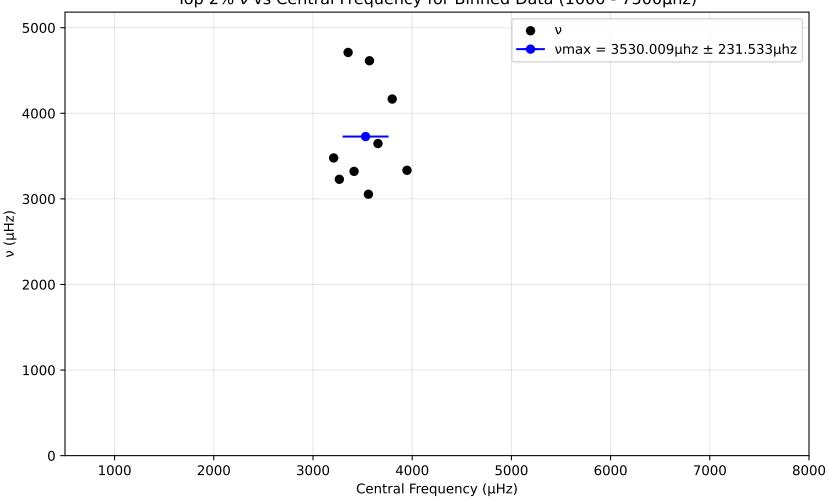


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.24.pow. Drowned by noise at 24.0%. SNR with increasing percentage 1.4 1.3 -SNR 1.2 1.1 -20 40 60 80 100

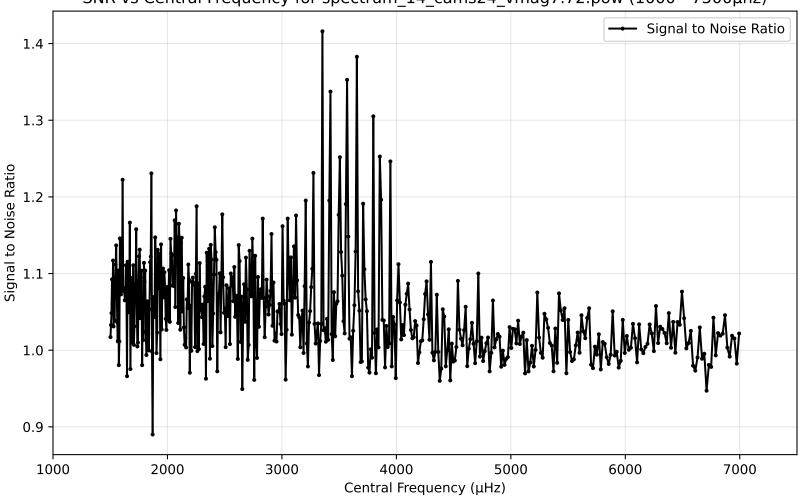
Percent of data used

ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

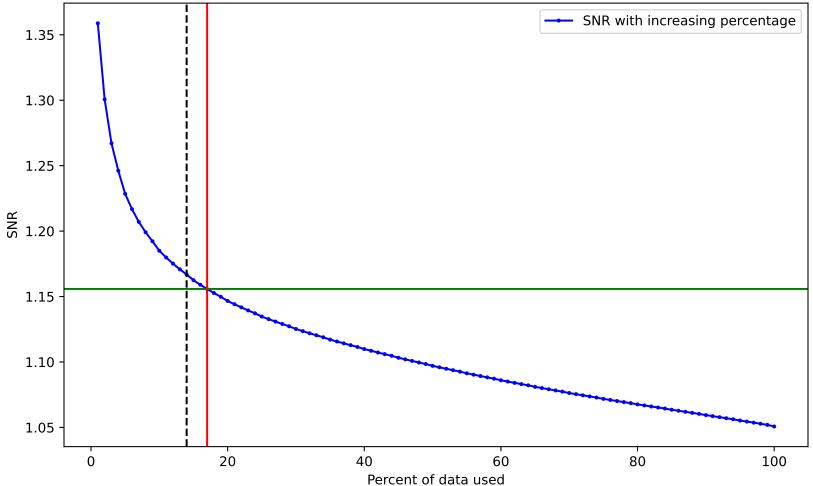
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.72.pow (1000 - 7500µhz)

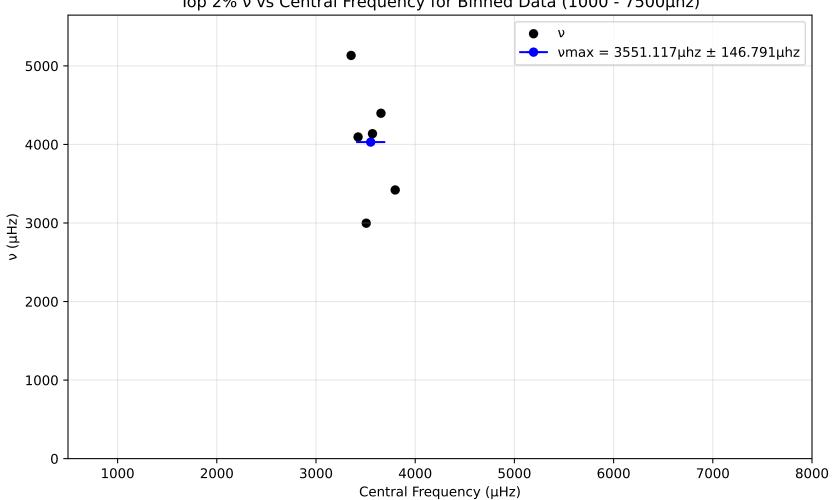


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.72.pow. Drowned by noise at 17.0%.

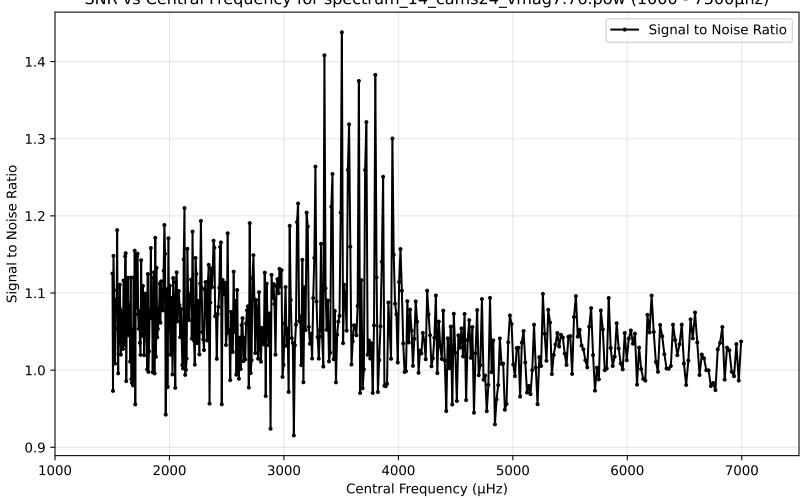


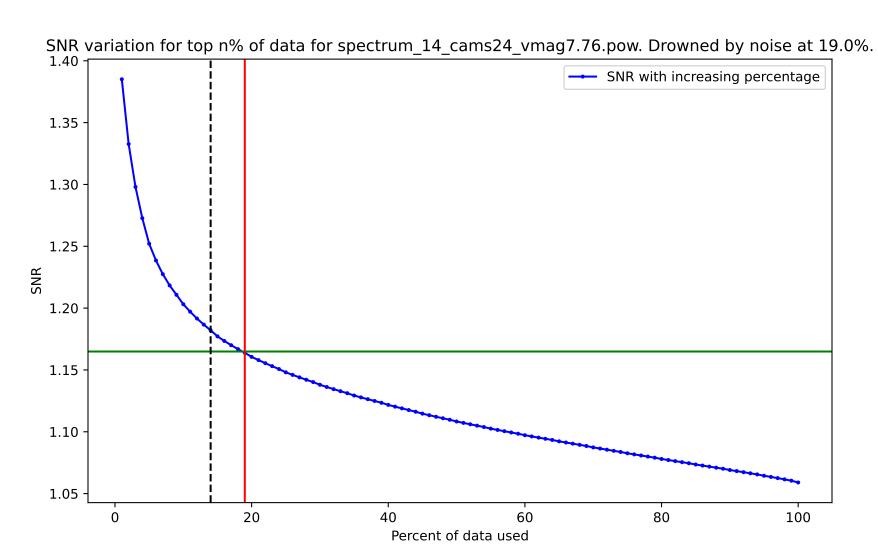
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -2000 Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



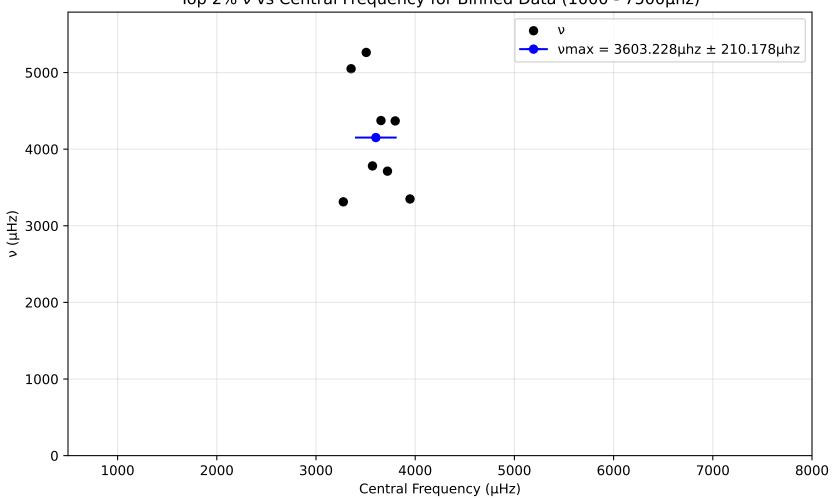
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.76.pow (1000 - 7500µhz)



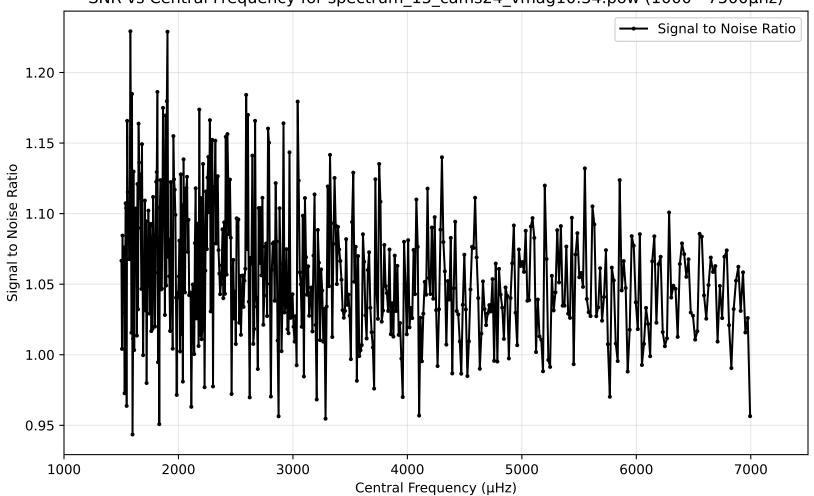


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

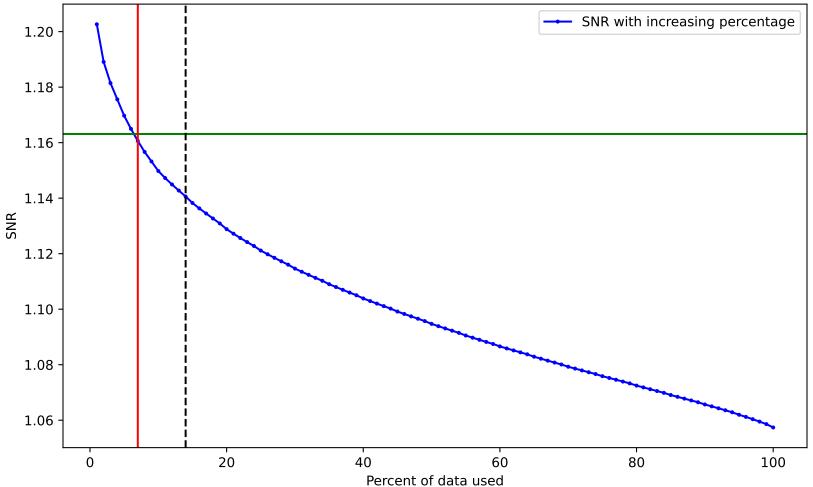
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

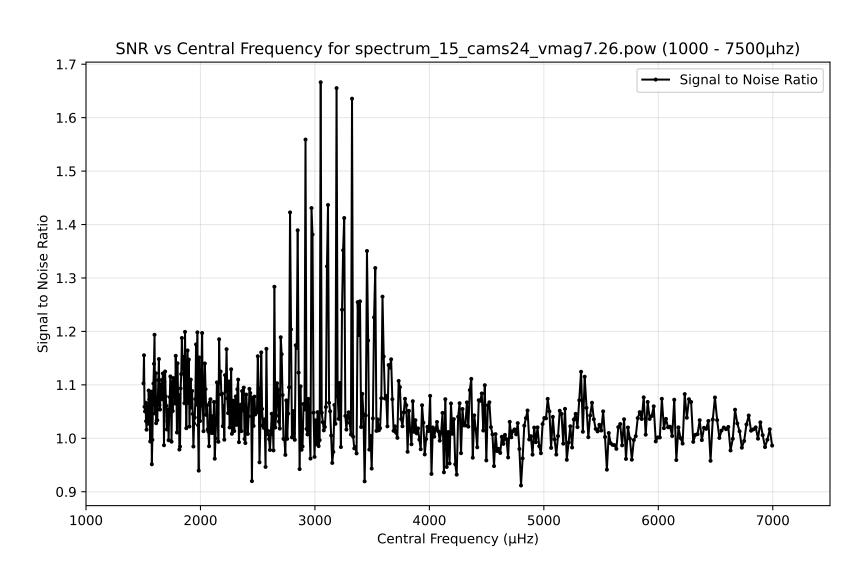


SNR vs Central Frequency for spectrum\_15\_cams24\_vmag10.34.pow (1000 - 7500µhz)

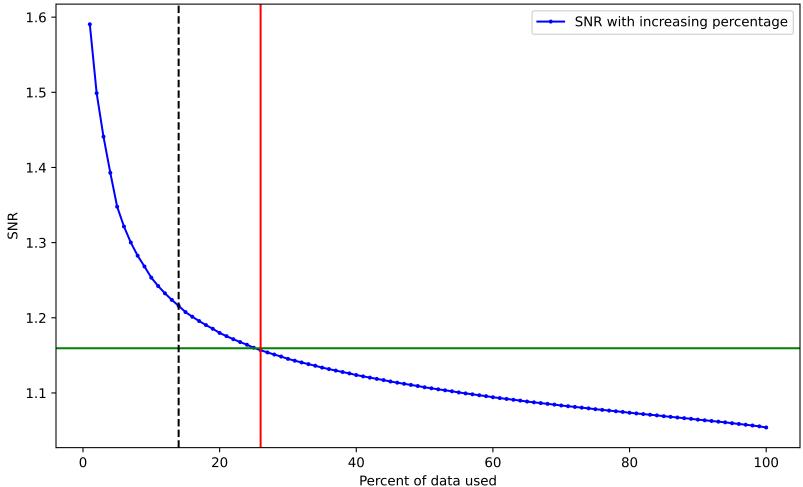


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag10.34.pow. Drowned by noise at 7.0%.

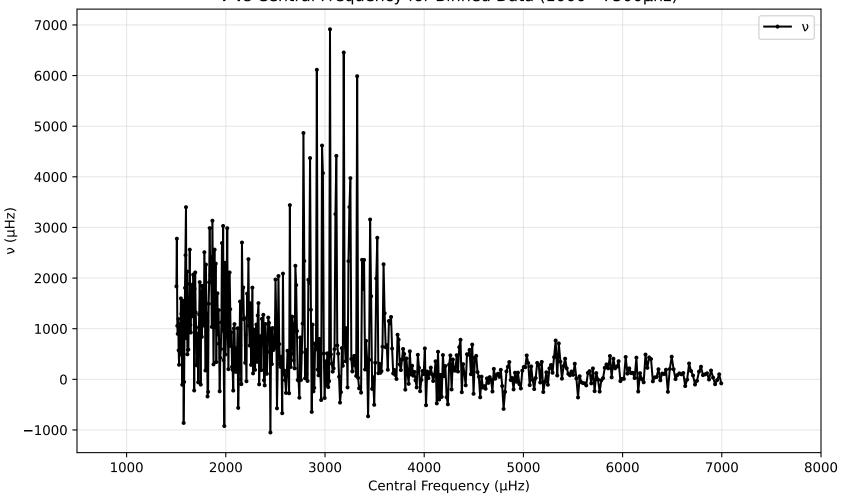




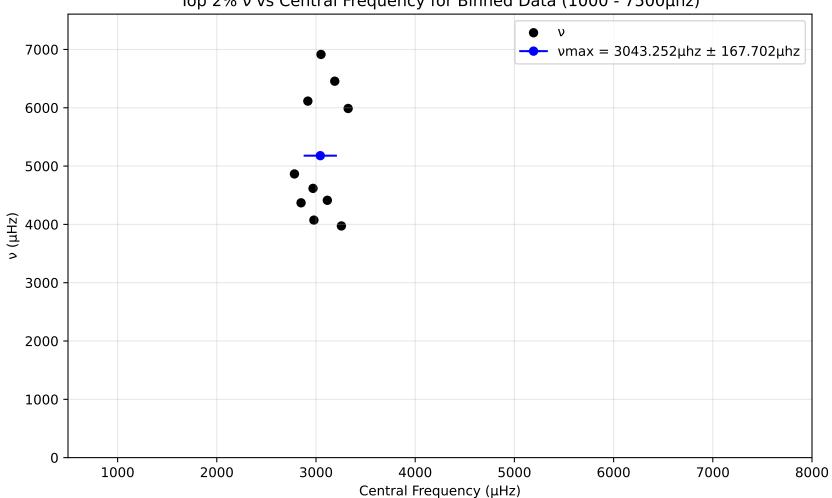
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag7.26.pow. Drowned by noise at 26.0%.



 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag7.38.pow (1000 - 7500µhz) 1.8 -Signal to Noise Ratio 1.6 Signal to Noise Ratio 7:1 1.0

4000

Central Frequency (µHz)

5000

6000

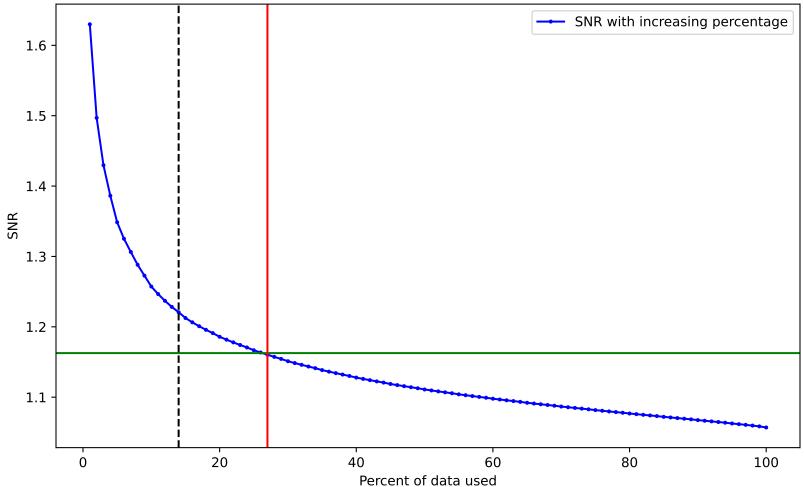
7000

1000

2000

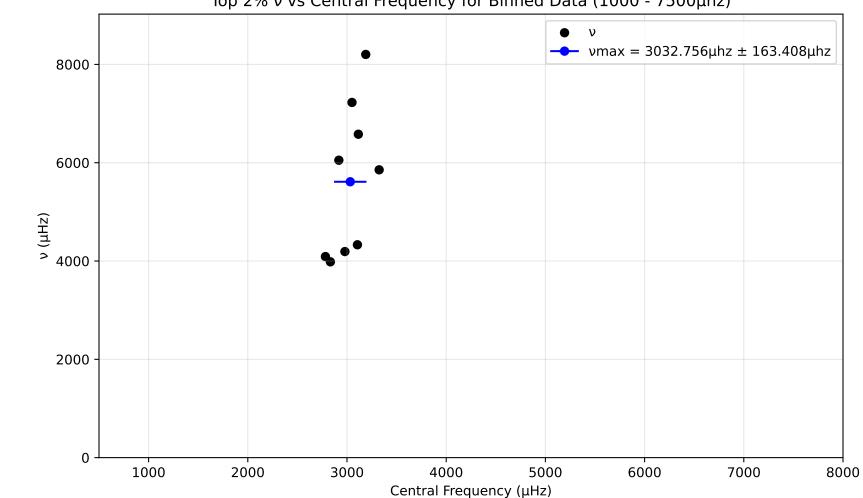
3000

SNR variation for top n% of data for spectrum\_15\_cams24\_vmag7.38.pow. Drowned by noise at 27.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz) γ (hHz) γ Central Frequency (µHz)

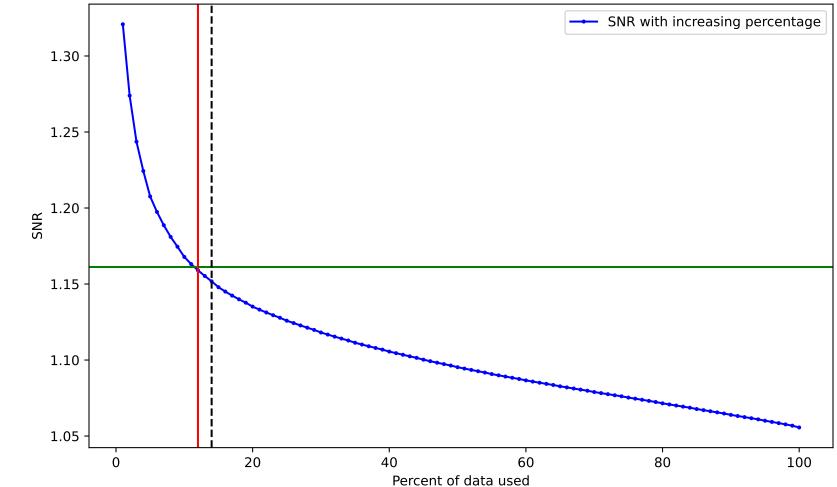
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



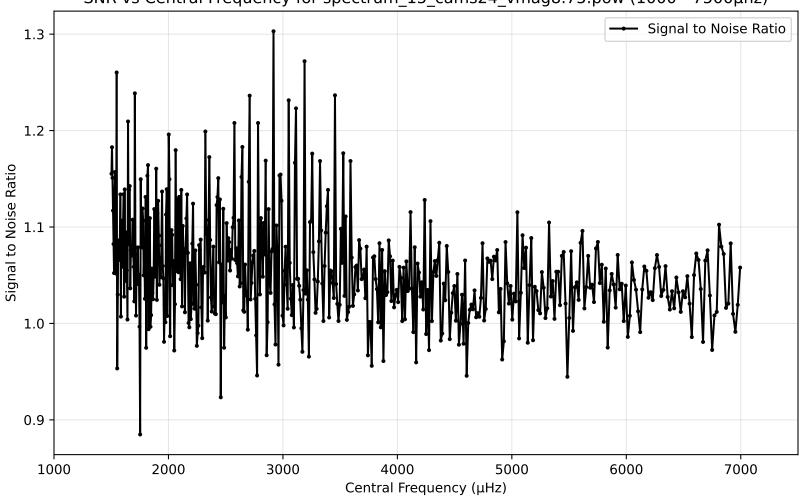
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.56.pow (1000 - 7500µhz) 1.5 Signal to Noise Ratio 1.4 Signal to Noise Ratio 1.3 1.2 1.1 1.0 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

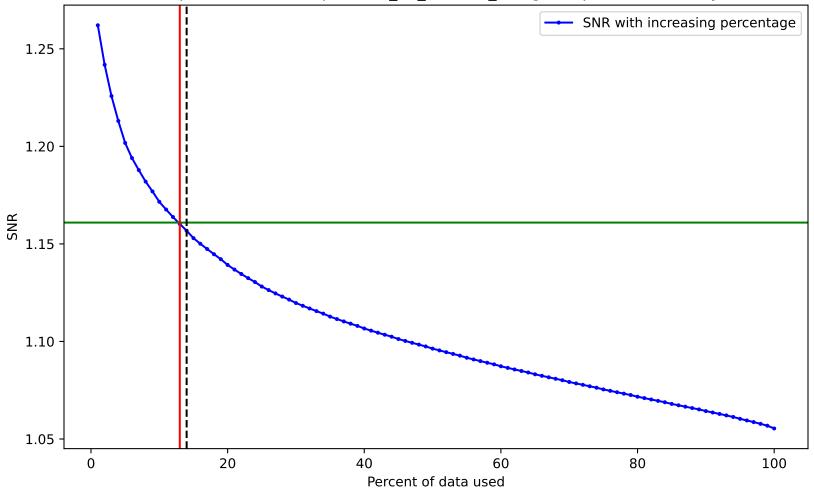
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.56.pow. Drowned by noise at 12.0%.



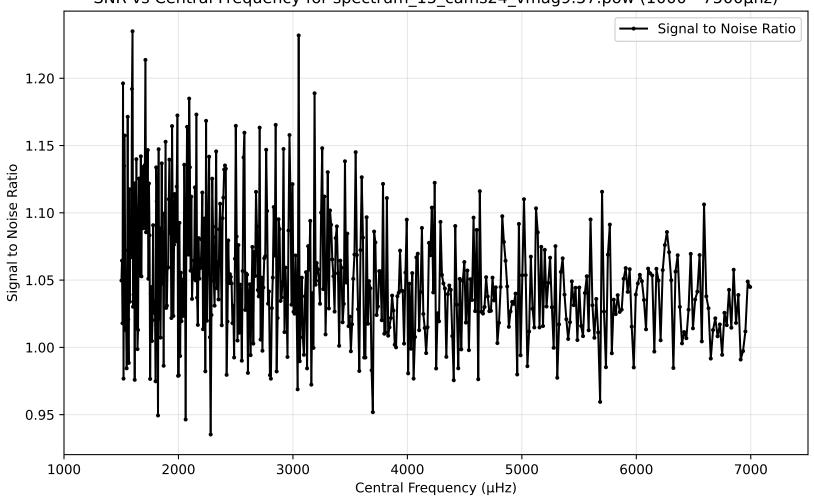
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.75.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.75.pow. Drowned by noise at 13.0%.



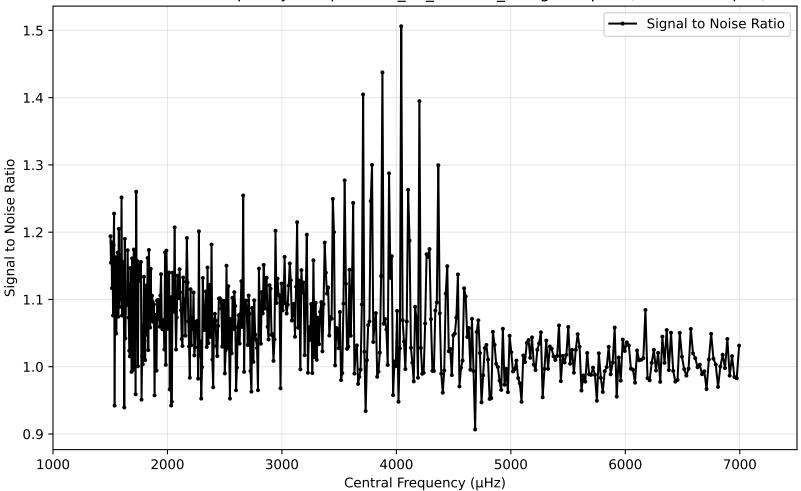
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag9.57.pow (1000 - 7500µhz)



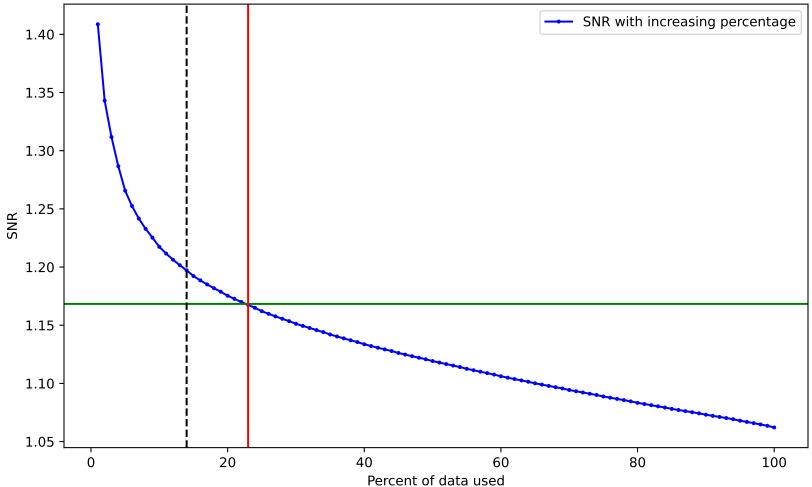
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag9.57.pow. Drowned by noise at 9.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 NS 1.14 1.12 1.10 1.08 1.06 0 20 40 60 80 100

Percent of data used

SNR vs Central Frequency for spectrum\_16\_cams24\_vmag7.29.pow (1000 - 7500µhz)

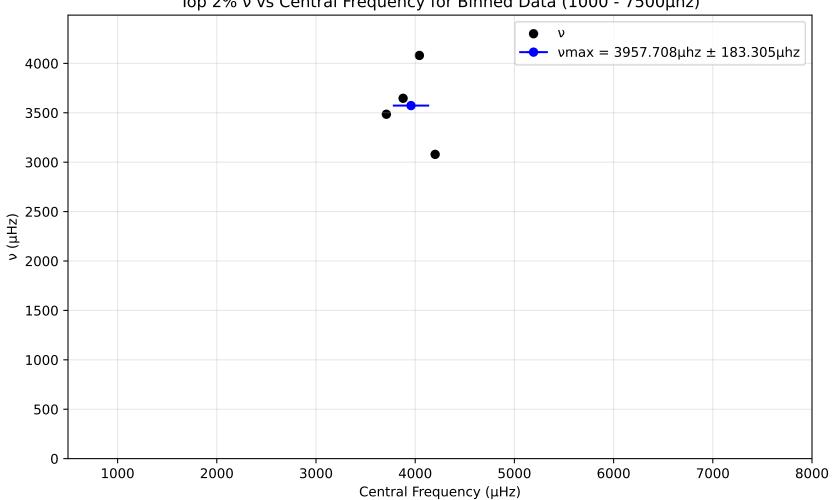


SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.29.pow. Drowned by noise at 23.0%.

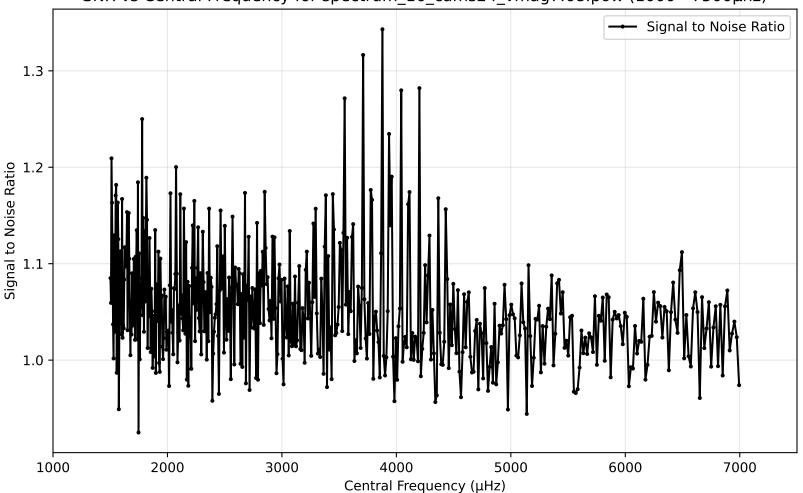


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

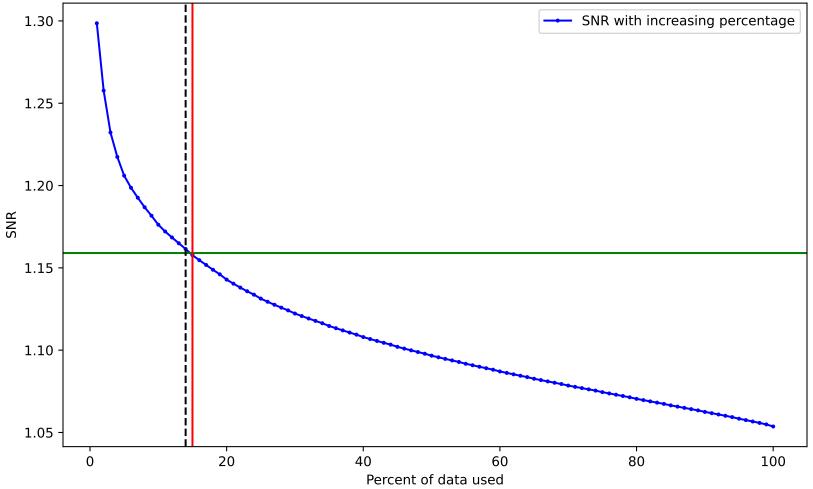
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag7.68.pow (1000 - 7500µhz)

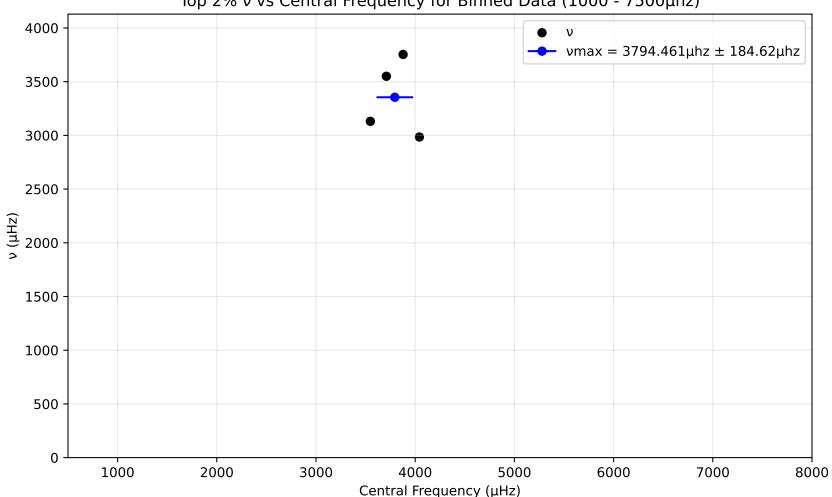


SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.68.pow. Drowned by noise at 15.0%.



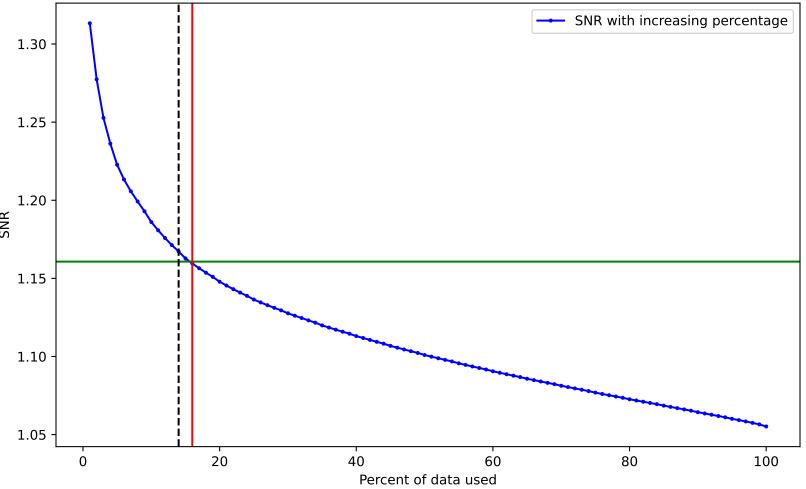
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)

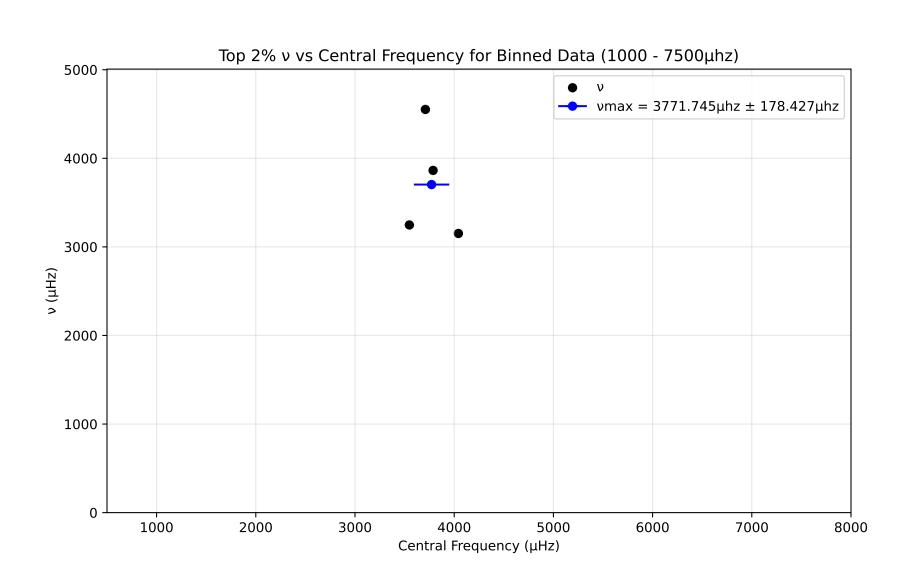


SNR vs Central Frequency for spectrum\_16\_cams24\_vmag7.74.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

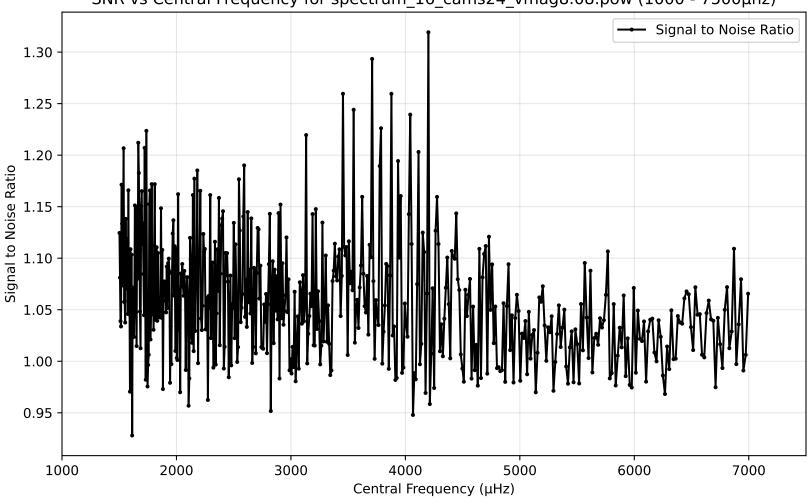
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.74.pow. Drowned by noise at 16.0%.



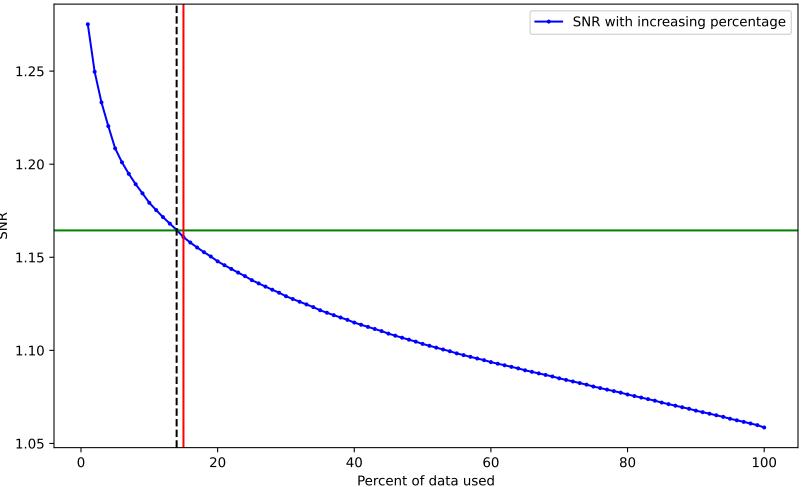
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.08.pow (1000 - 7500µhz)

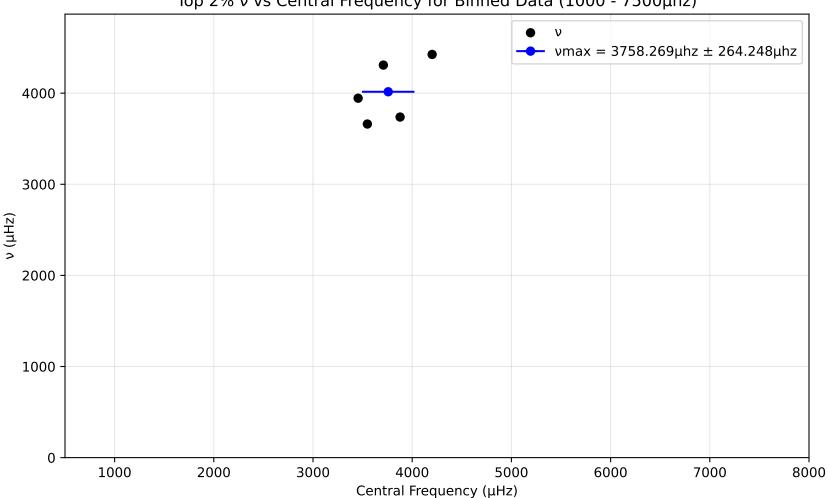


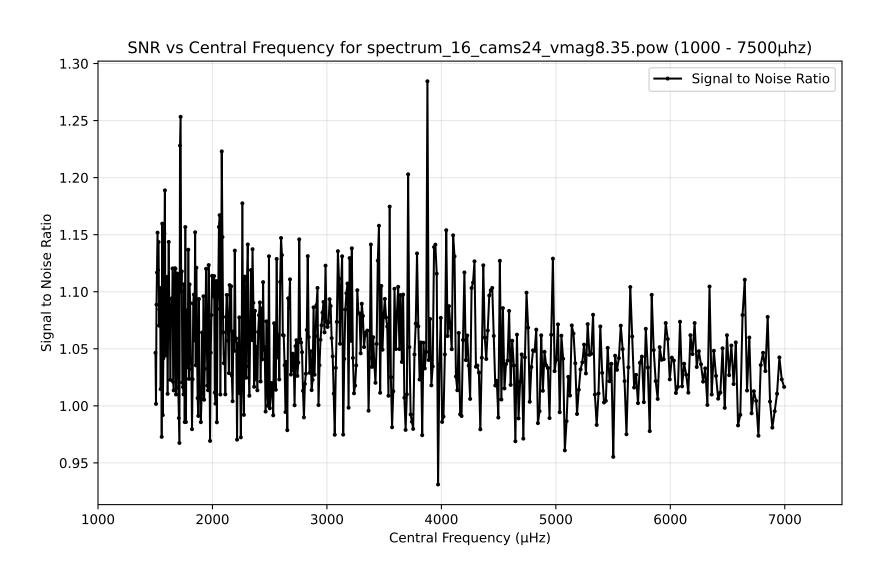
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.08.pow. Drowned by noise at 15.0%.



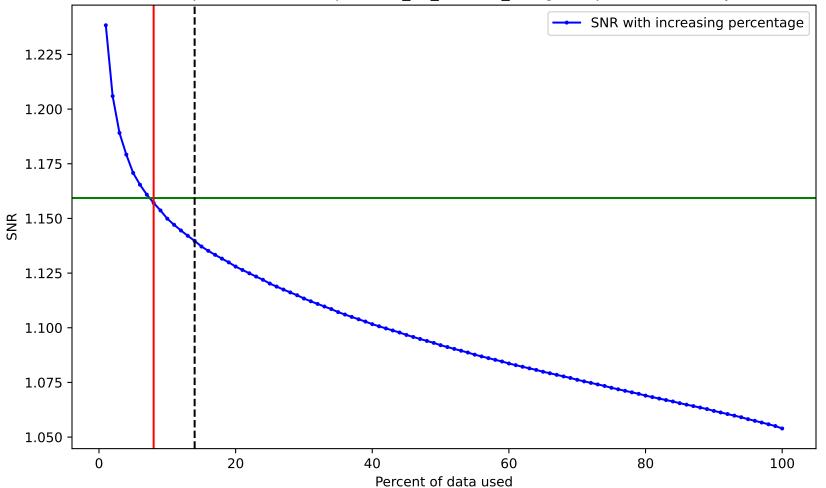
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

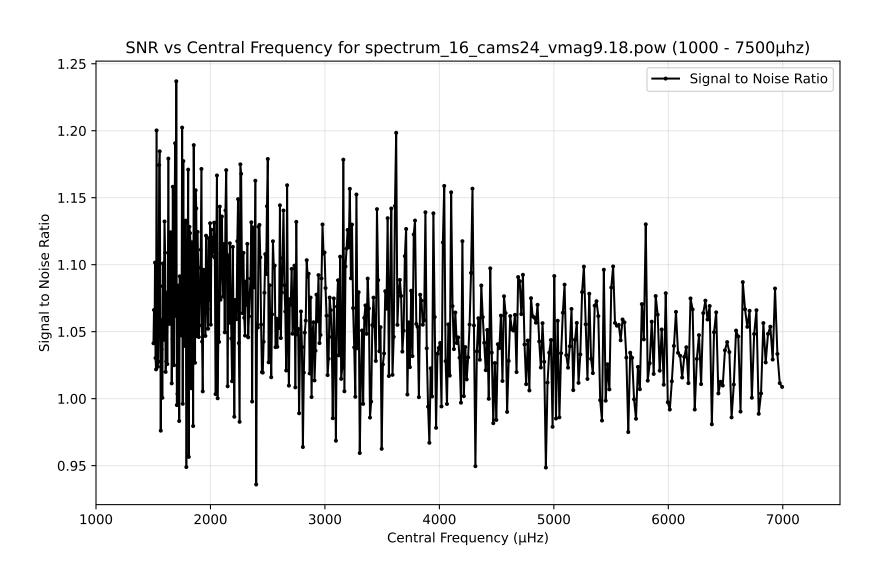
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



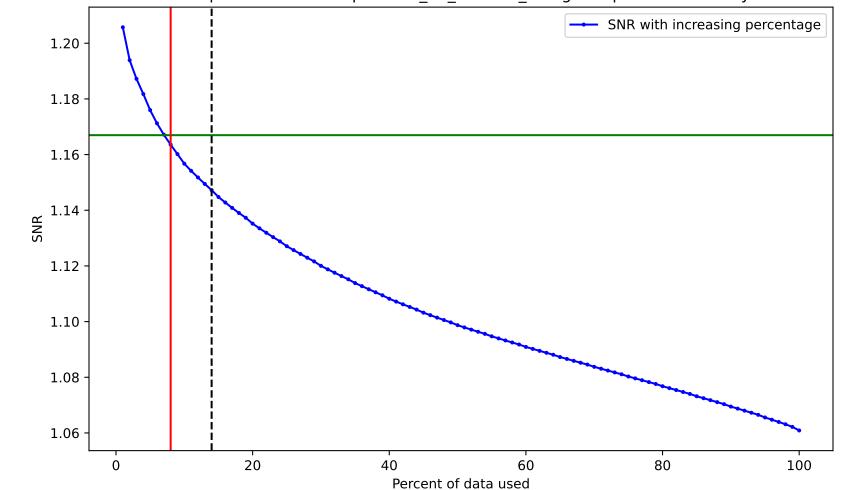


SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.35.pow. Drowned by noise at 8.0%.

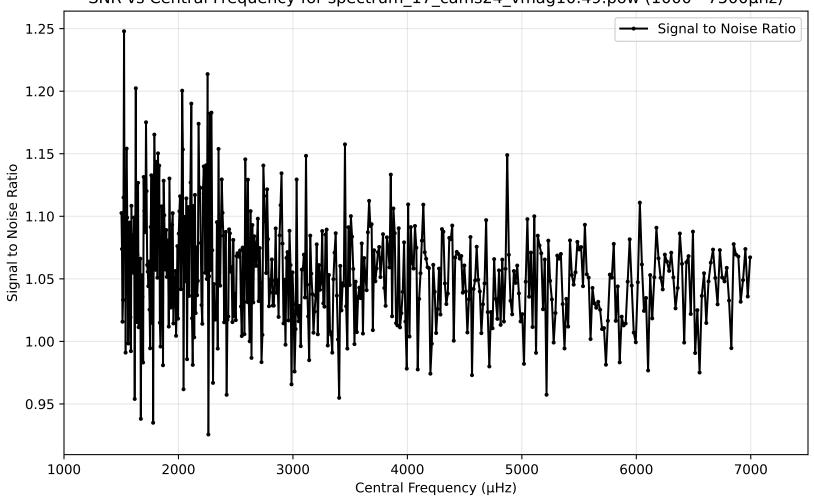




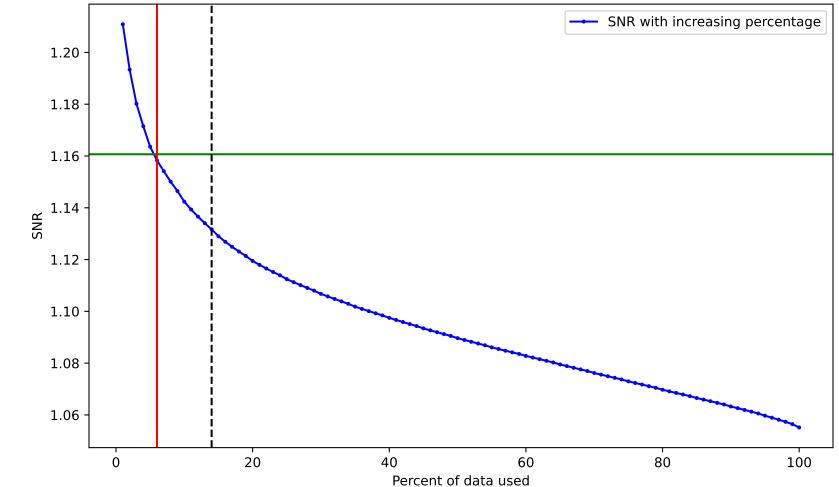
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag9.18.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_17\_cams24\_vmag10.49.pow (1000 - 7500µhz)

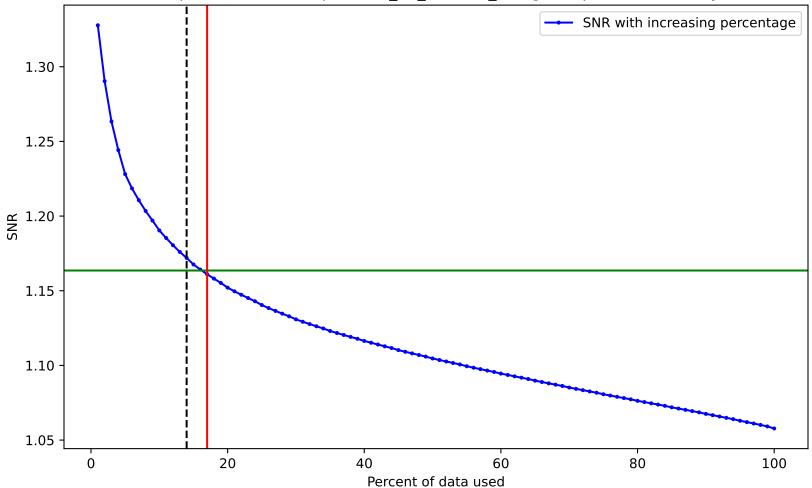


SNR variation for top n% of data for spectrum\_17\_cams24\_vmag10.49.pow. Drowned by noise at 6.0%.



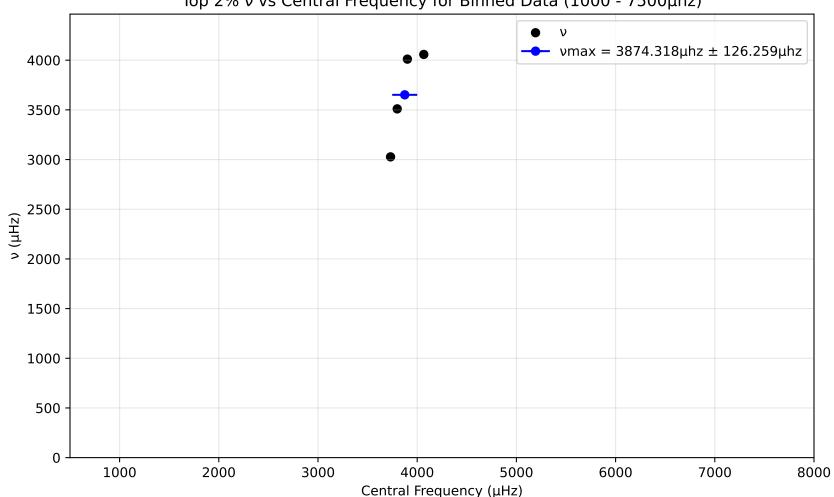
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag7.66.pow (1000 - 7500µhz) 1.4 -Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.0 0.9 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_17\_cams24\_vmag7.66.pow. Drowned by noise at 17.0%.

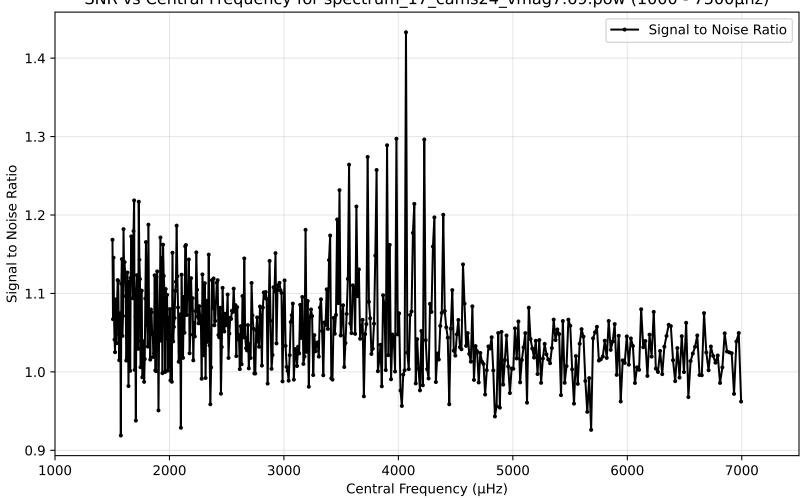


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

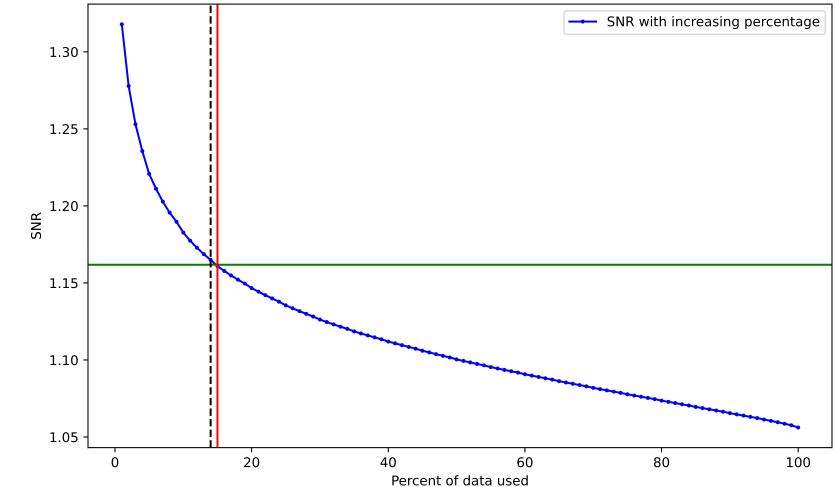
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



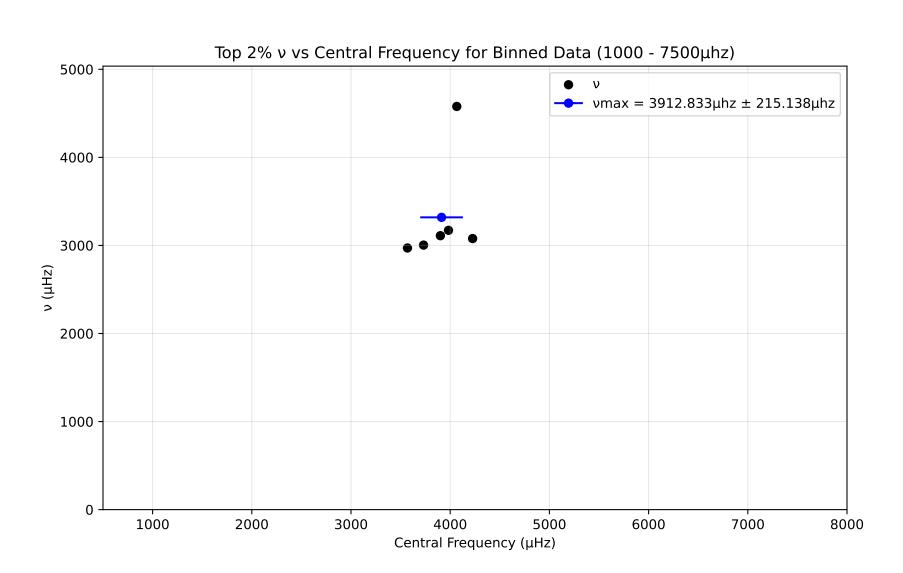
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag7.69.pow (1000 - 7500µhz)



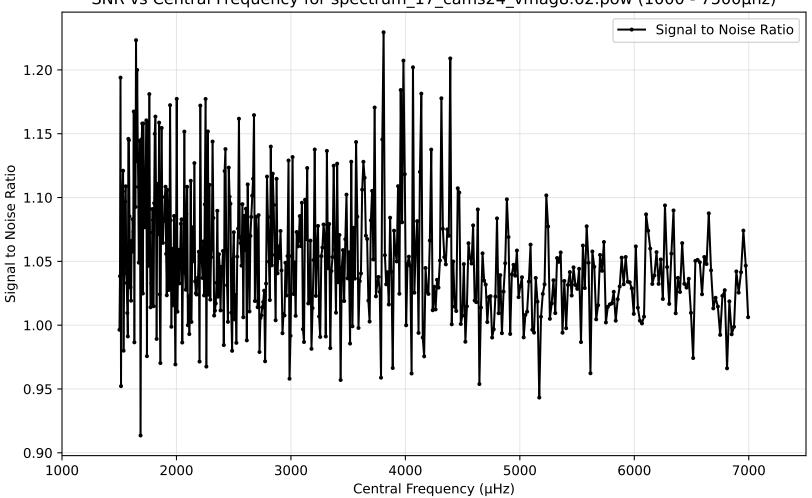
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag7.69.pow. Drowned by noise at 15.0%.



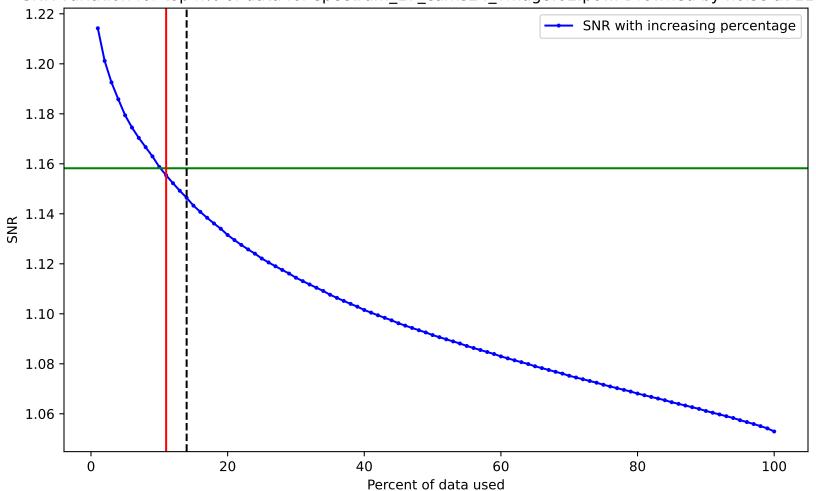
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 



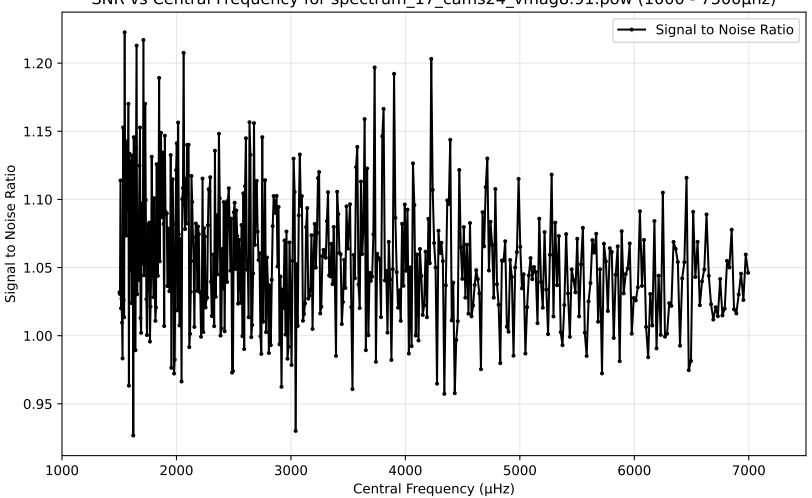
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag8.62.pow (1000 - 7500µhz)

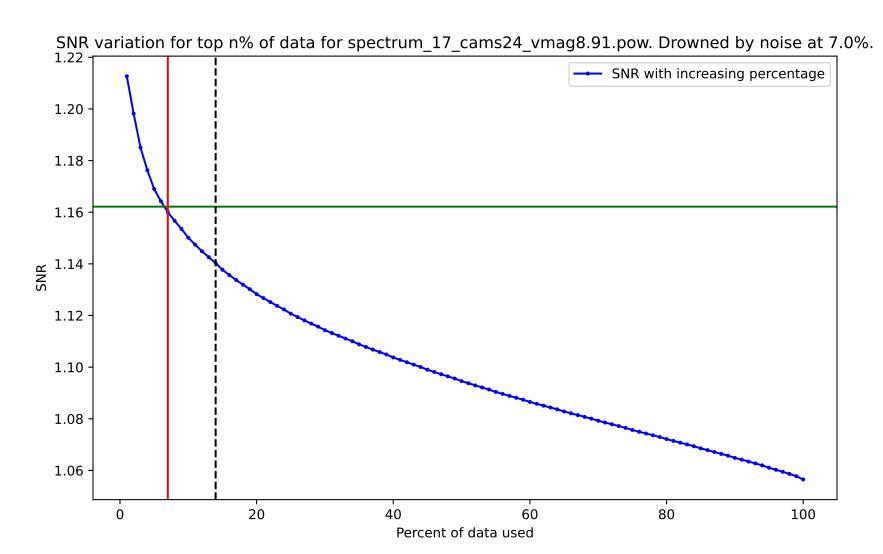


SNR variation for top n% of data for spectrum\_17\_cams24\_vmag8.62.pow. Drowned by noise at 11.0%.

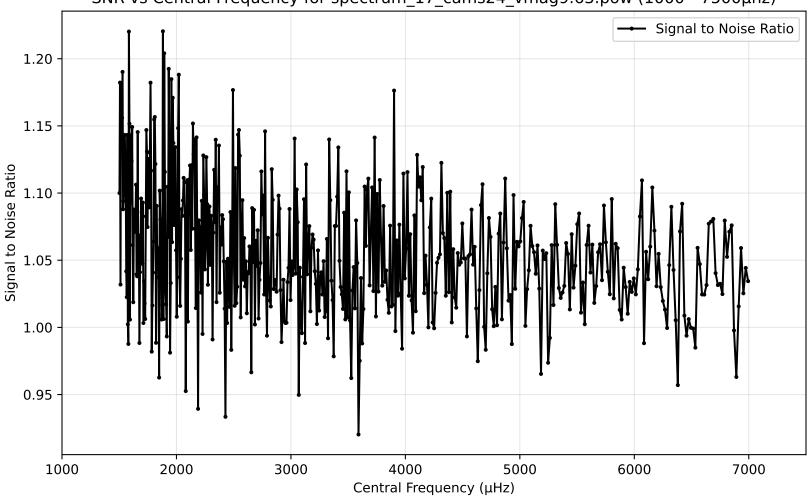


SNR vs Central Frequency for spectrum\_17\_cams24\_vmag8.91.pow (1000 - 7500µhz)

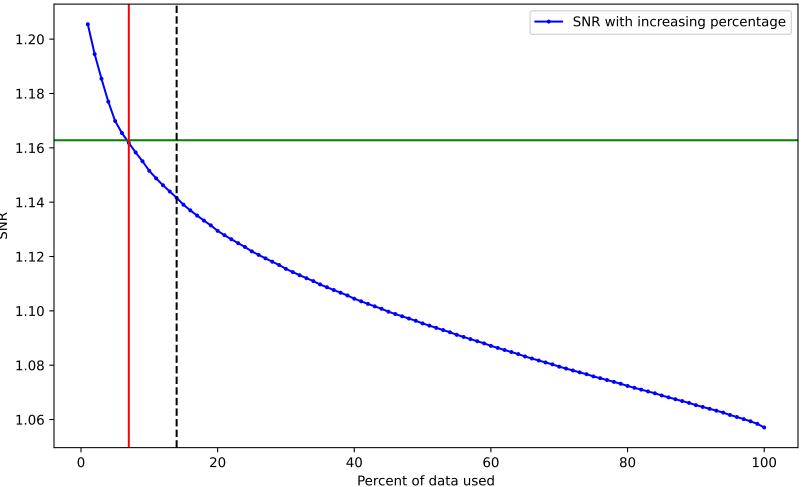




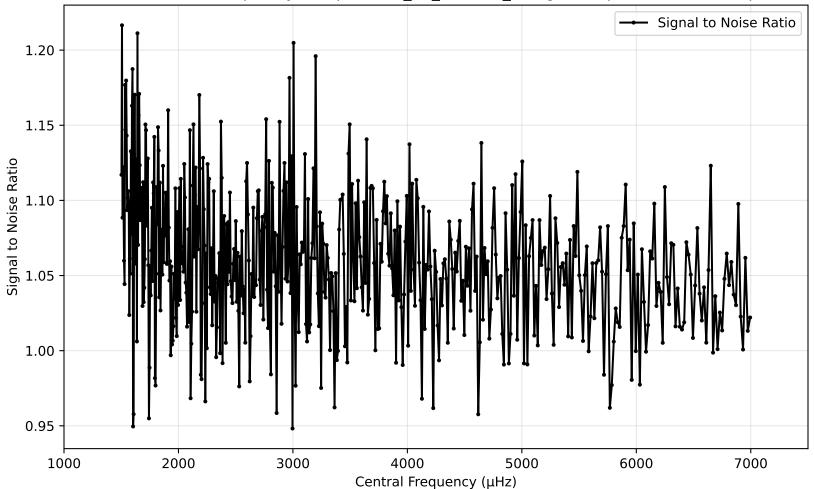
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag9.63.pow (1000 - 7500µhz)



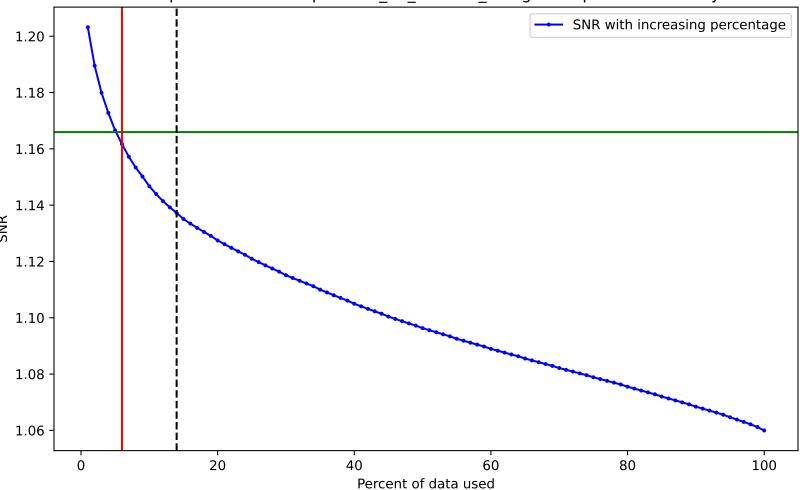
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag9.63.pow. Drowned by noise at 7.0%.



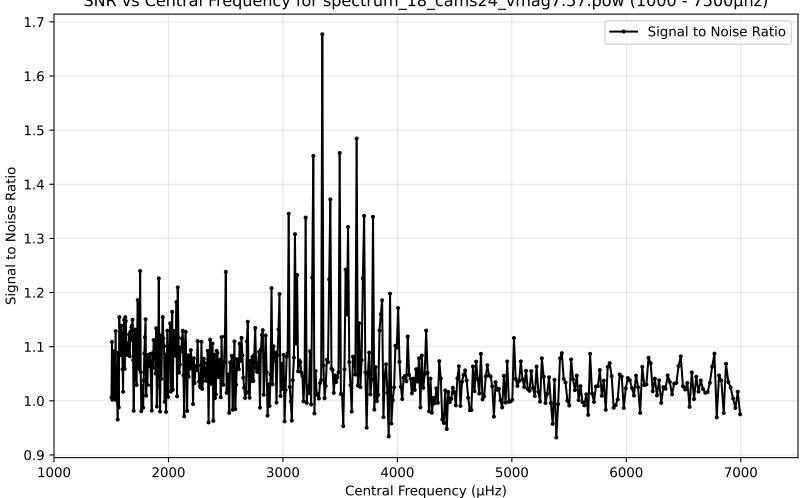
SNR vs Central Frequency for spectrum\_18\_cams24\_vmag10.36.pow (1000 - 7500µhz)



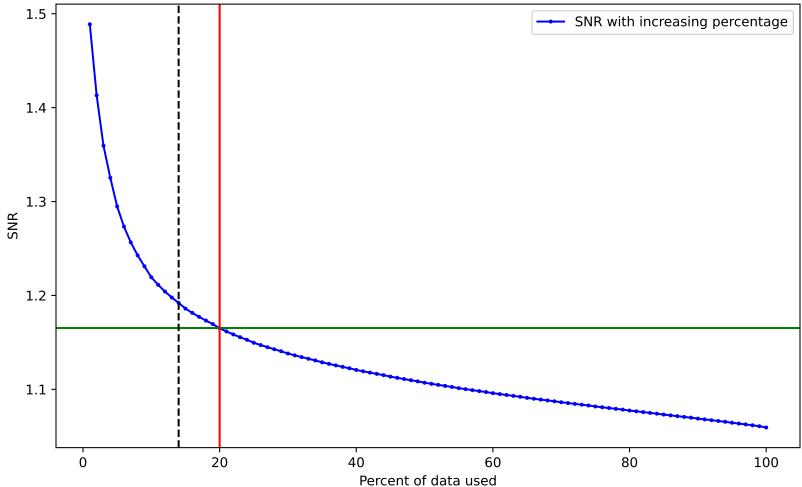
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag10.36.pow. Drowned by noise at 6.0%.



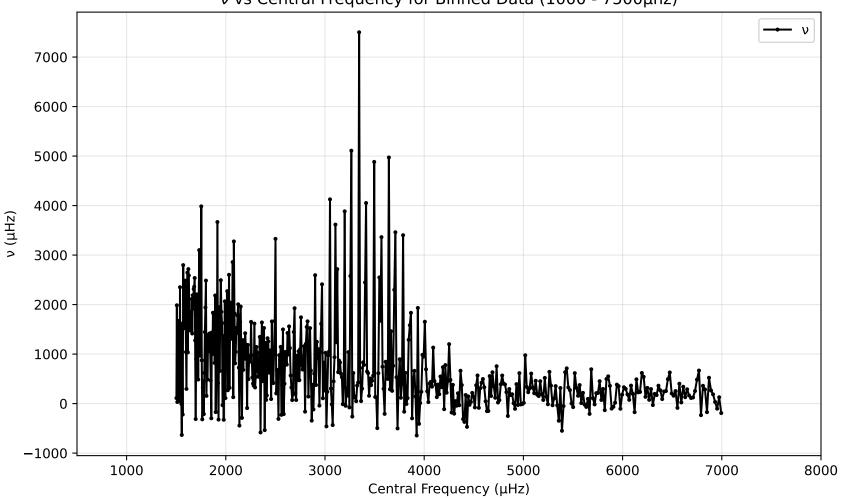
SNR vs Central Frequency for spectrum\_18\_cams24\_vmag7.57.pow (1000 - 7500µhz)



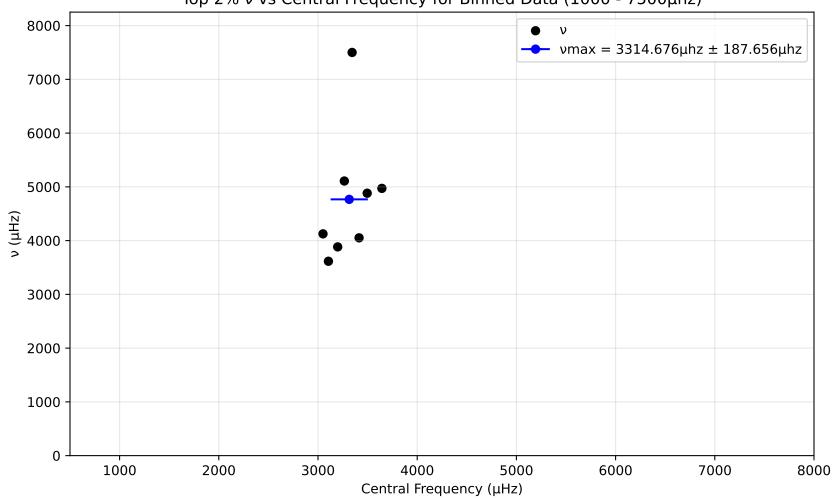
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag7.57.pow. Drowned by noise at 20.0%.



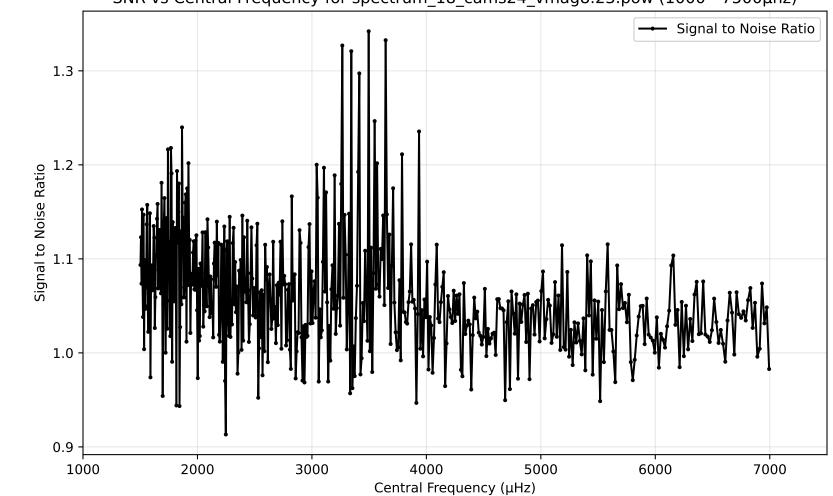
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



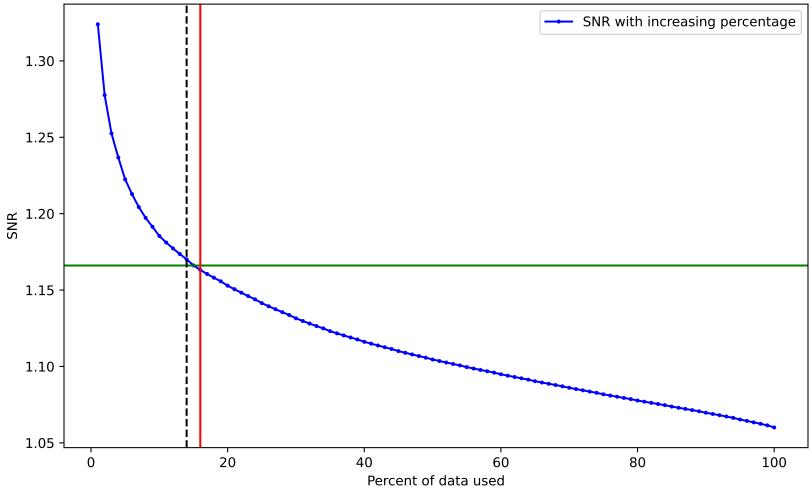
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag8.23.pow (1000 - 7500µhz)

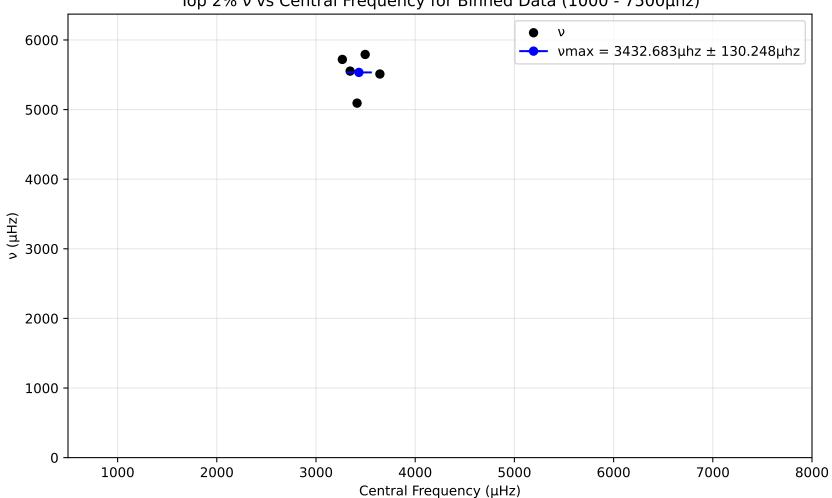


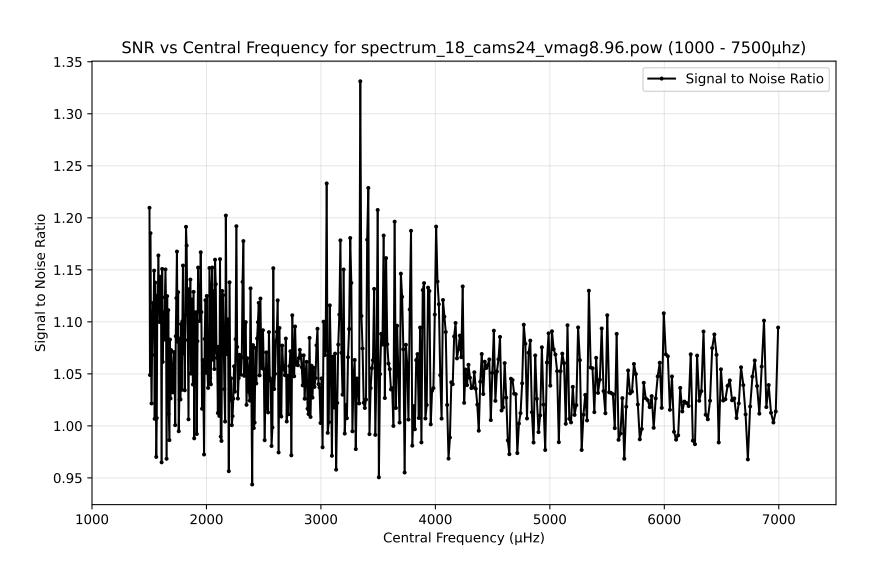
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag8.23.pow. Drowned by noise at 16.0%.

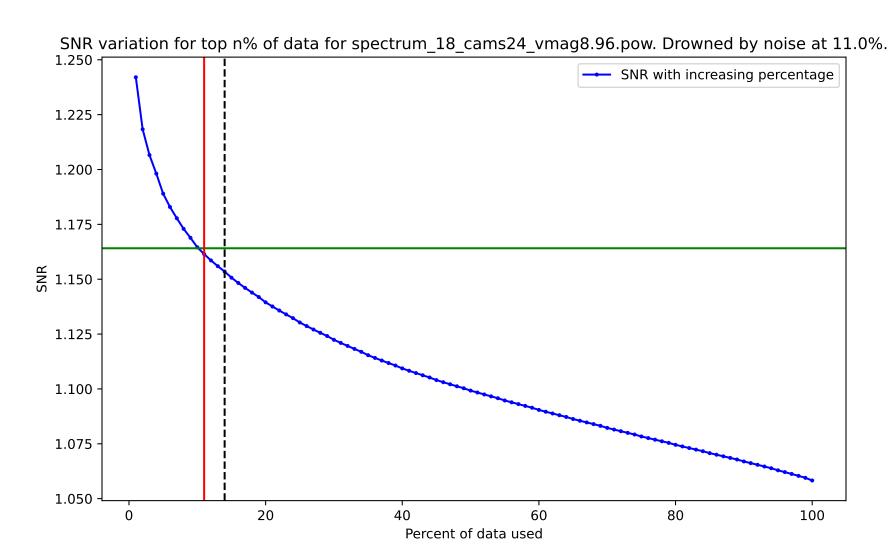


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 -2000 Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

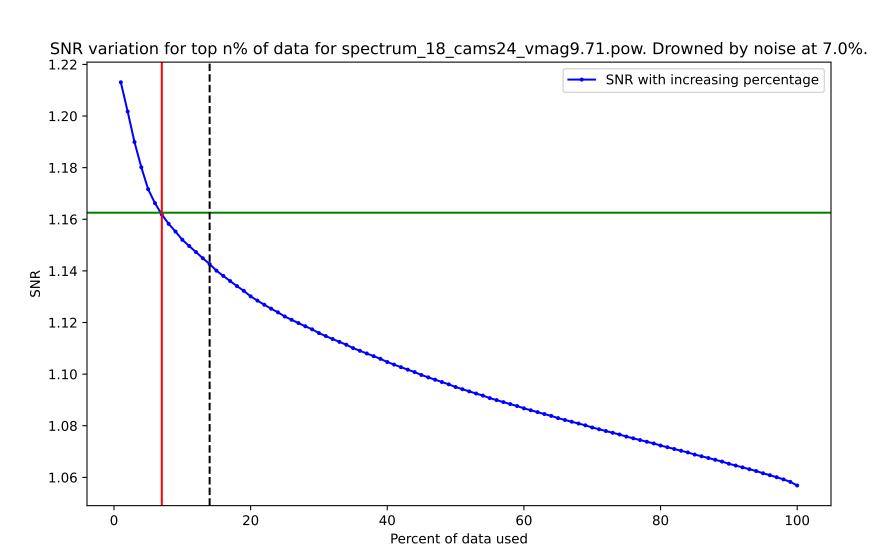




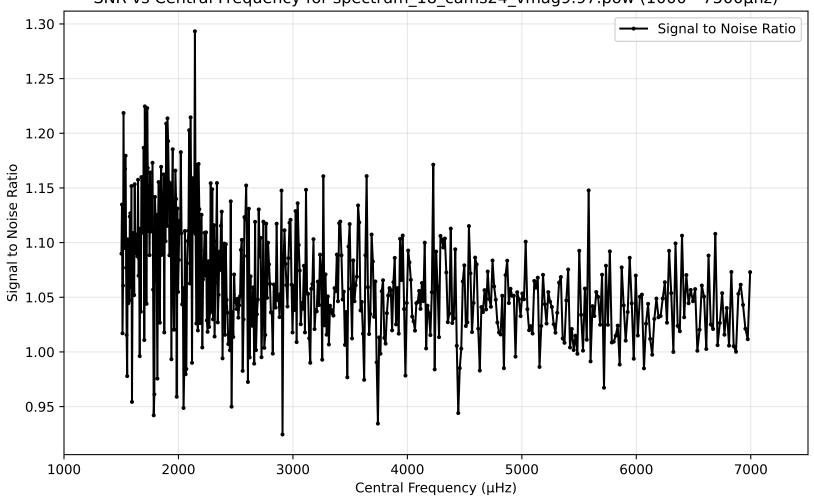


SNR vs Central Frequency for spectrum\_18\_cams24\_vmag9.71.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

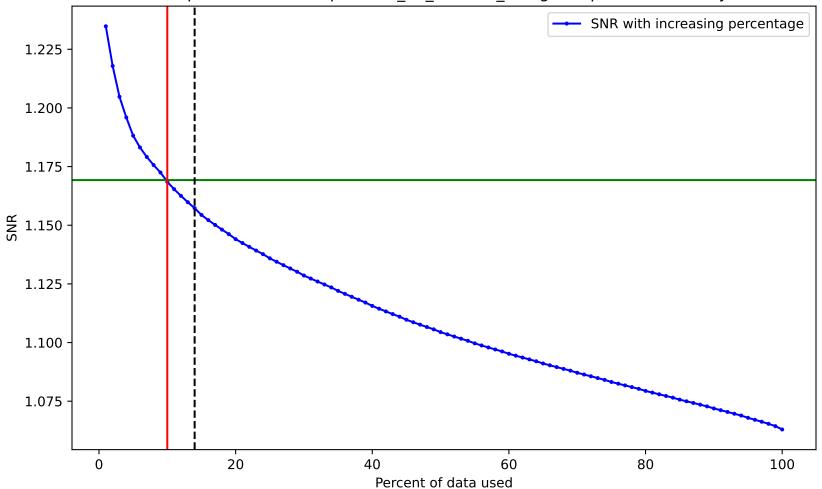
Central Frequency (µHz)



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag9.97.pow (1000 - 7500µhz)



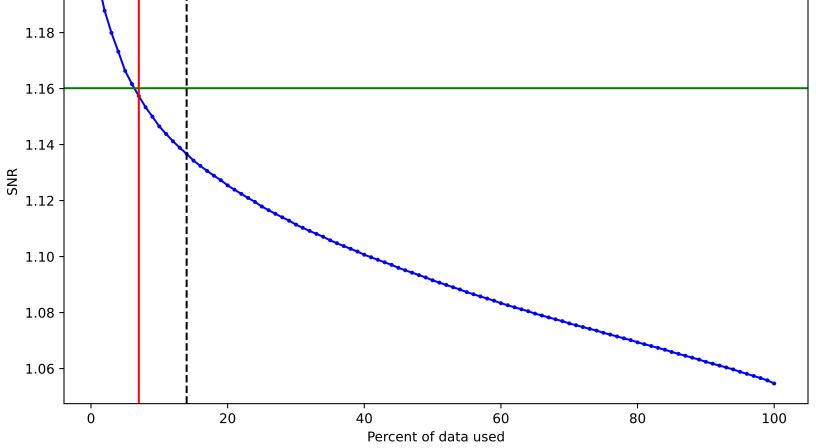
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag9.97.pow. Drowned by noise at 10.0%.



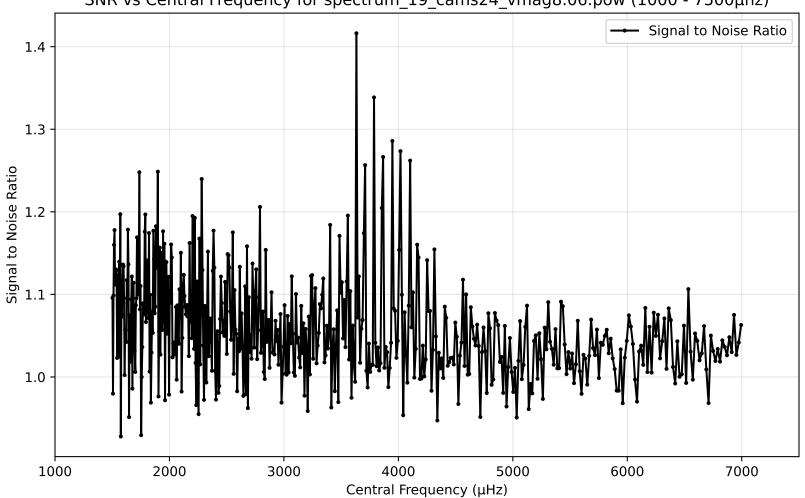
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag10.49.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 -1.00 0.95 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

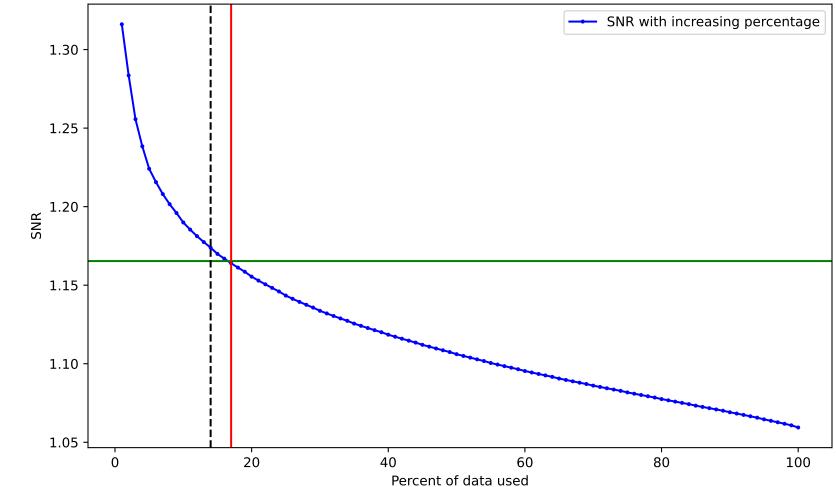
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag10.49.pow. Drowned by noise at 7.0%. 1.20 -SNR with increasing percentage 1.18 -1.16 1.14 1.12



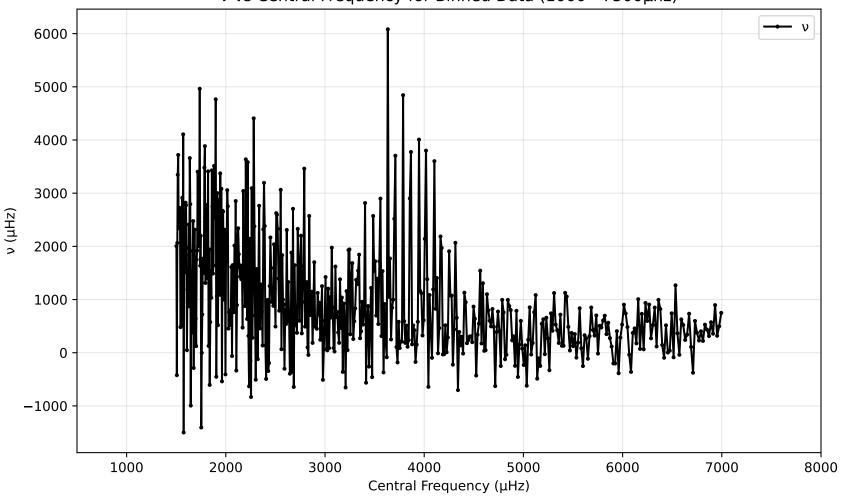
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.06.pow (1000 - 7500µhz)



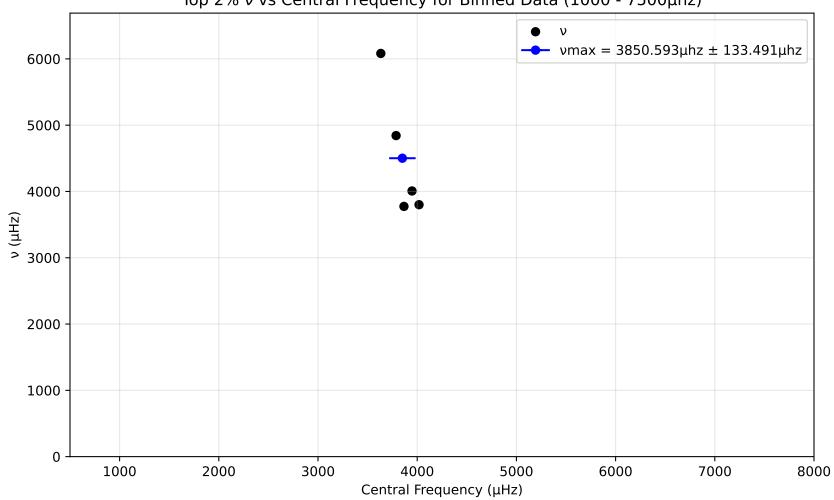
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.06.pow. Drowned by noise at 17.0%.



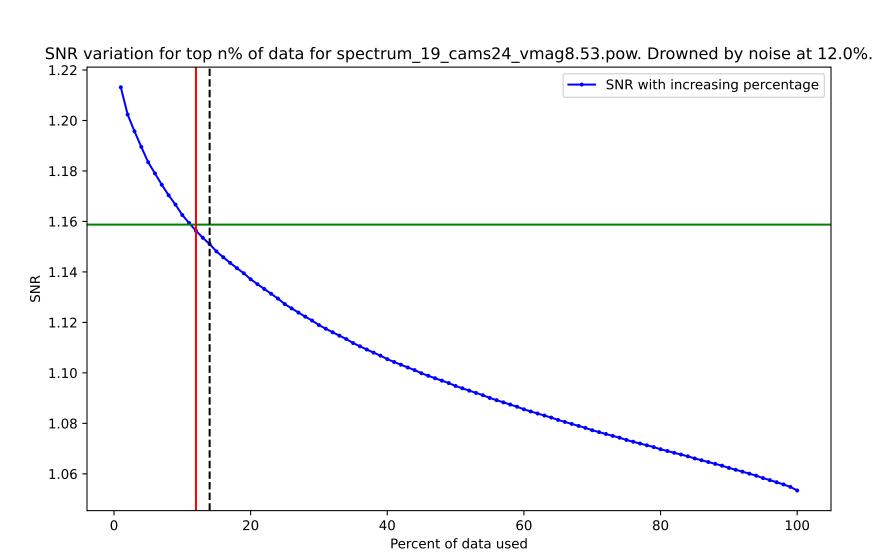
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



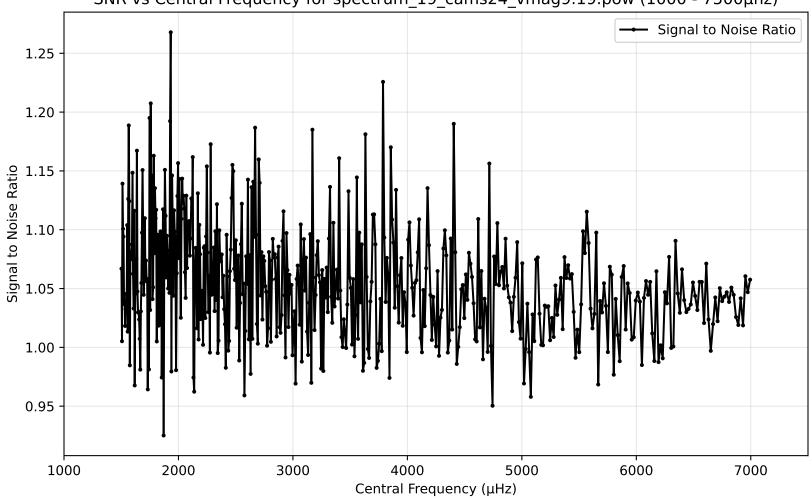
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.53.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

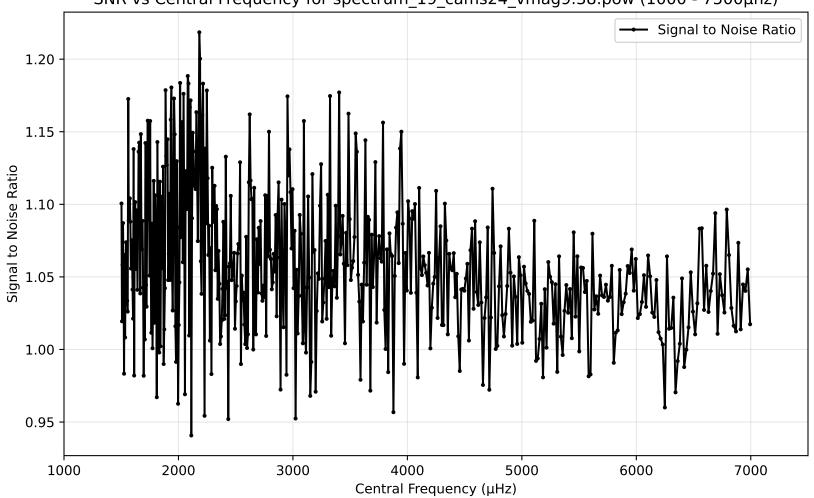


SNR vs Central Frequency for spectrum\_19\_cams24\_vmag9.19.pow (1000 - 7500µhz)



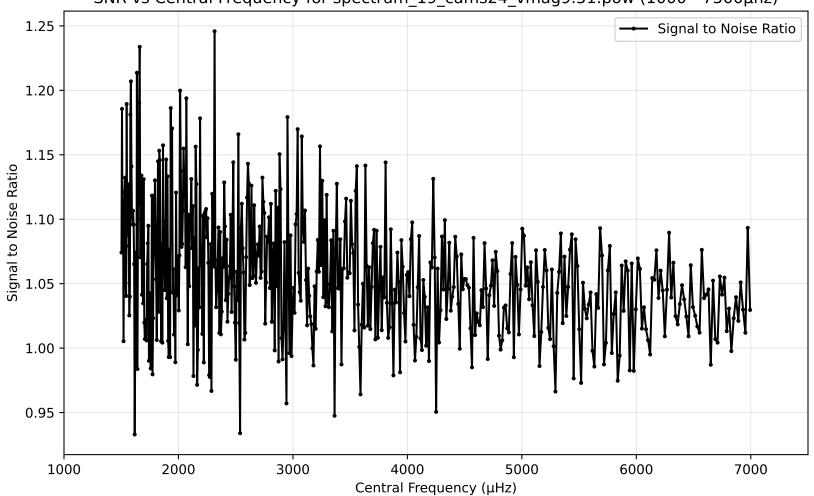
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag9.19.pow. Drowned by noise at 9.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 ¥ 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

SNR vs Central Frequency for spectrum\_19\_cams24\_vmag9.38.pow (1000 - 7500µhz)



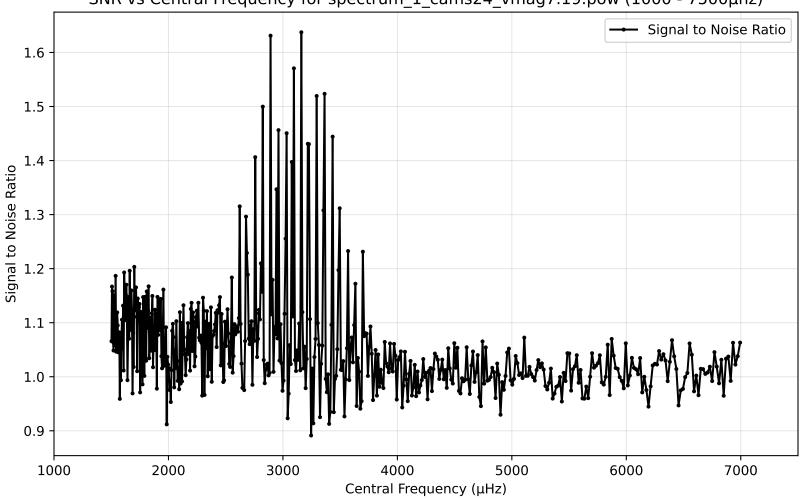
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag9.38.pow. Drowned by noise at 8.0%. 1.20 -SNR with increasing percentage 1.18 1.16 -1.14 SNR 1.12 1.10 1.08 1.06 20 40 60 80 100 0

SNR vs Central Frequency for spectrum\_19\_cams24\_vmag9.51.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_19\_cams24\_vmag9.51.pow. Drowned by noise at 8.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 K 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

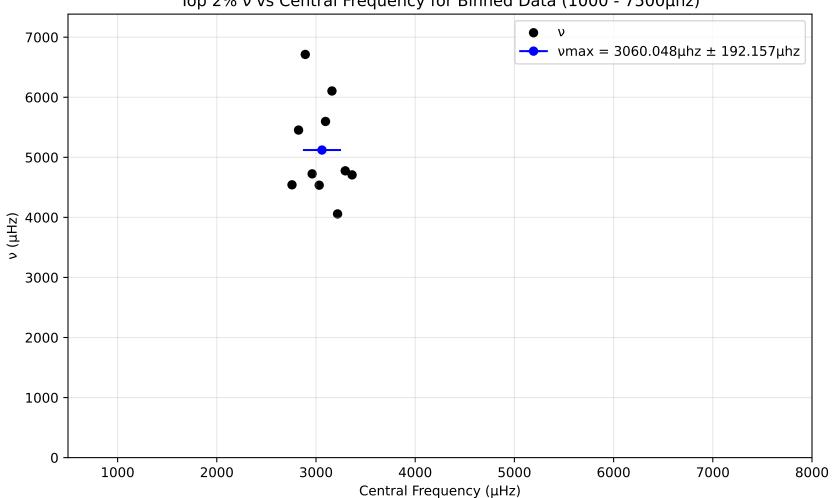
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag7.19.pow (1000 - 7500µhz)



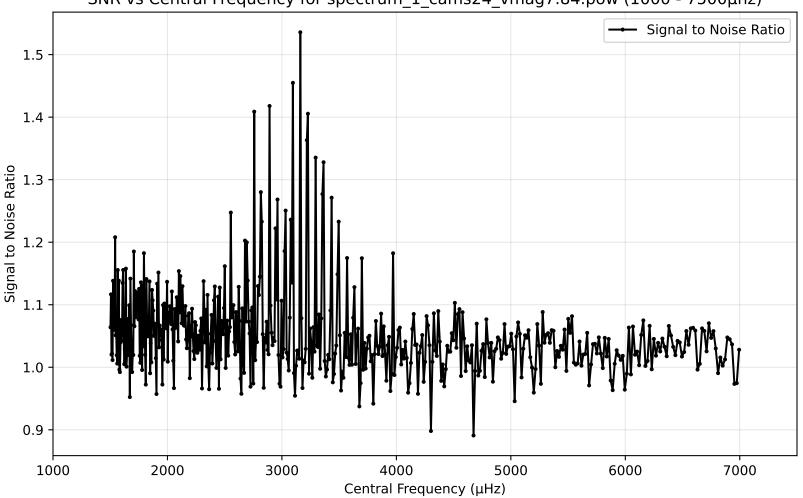
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag7.19.pow. Drowned by noise at 30.0%. SNR with increasing percentage 1.5 1.4 X 1.3 1.2 1.1 0 20 40 60 80 100

ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_1\_cams24\_vmag7.84.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_1\_cams24\_vmag7.84.pow. Drowned by noise at 20.0%. 1.45 -SNR with increasing percentage 1.40 1.35 1.30 W 1.25 1.20 1.15 1.10 1.05 20 80

60

Percent of data used

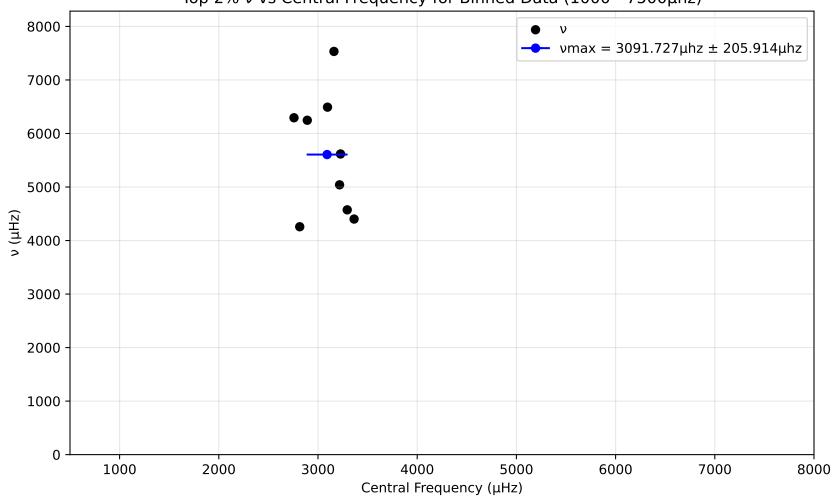
100

40

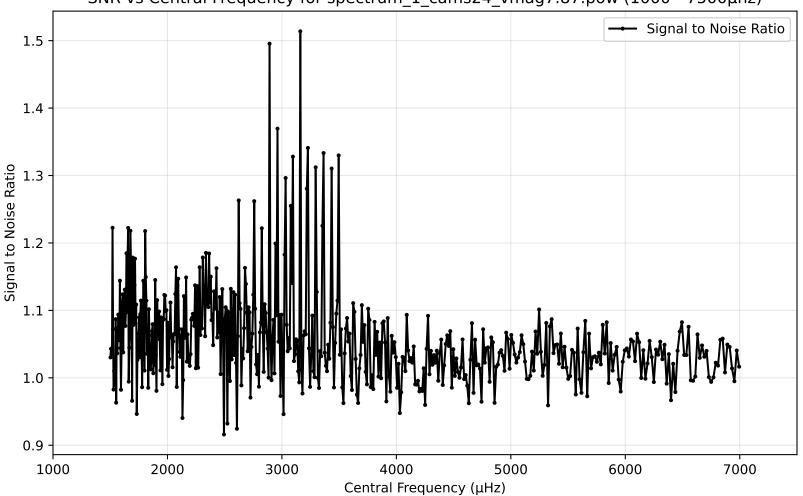
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) 

Central Frequency (µHz)

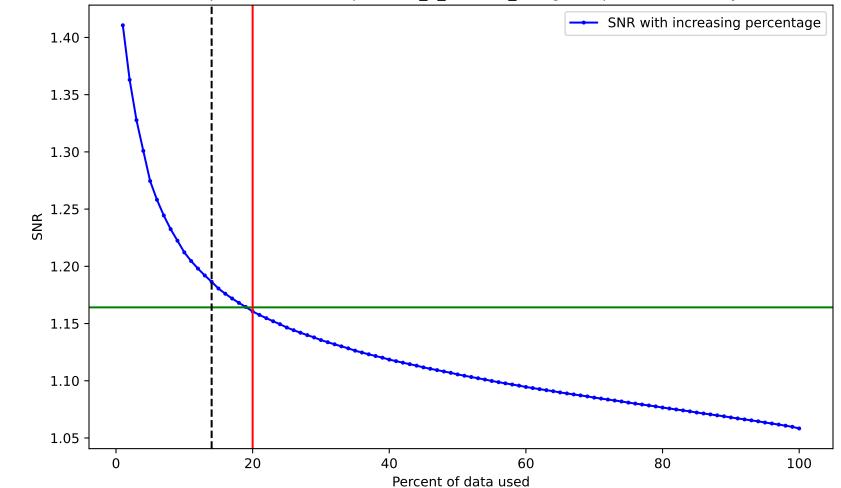
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_1\_cams24\_vmag7.87.pow (1000 - 7500µhz)

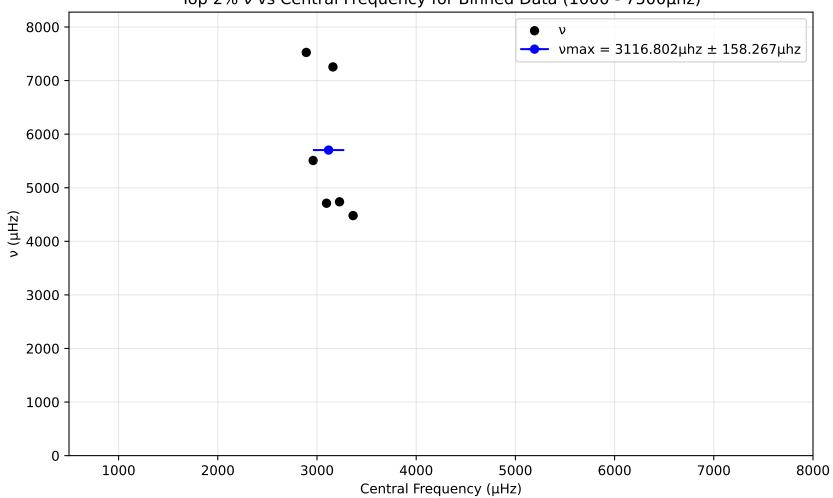


SNR variation for top n% of data for spectrum\_1\_cams24\_vmag7.87.pow. Drowned by noise at 20.0%.

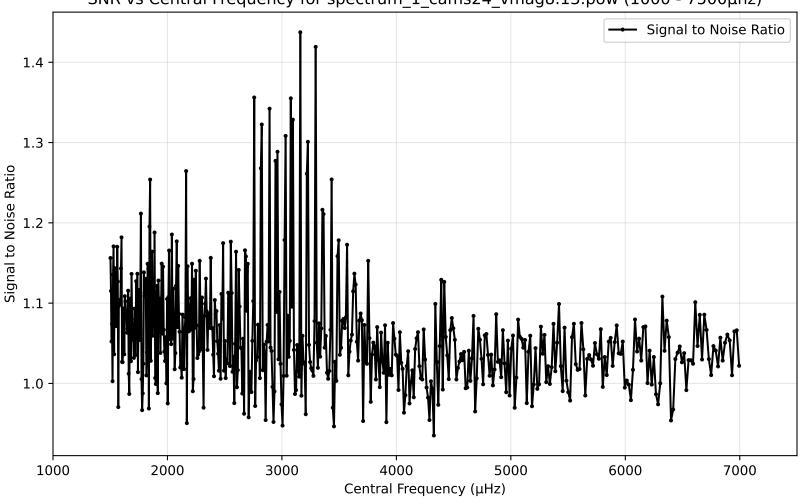


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) 

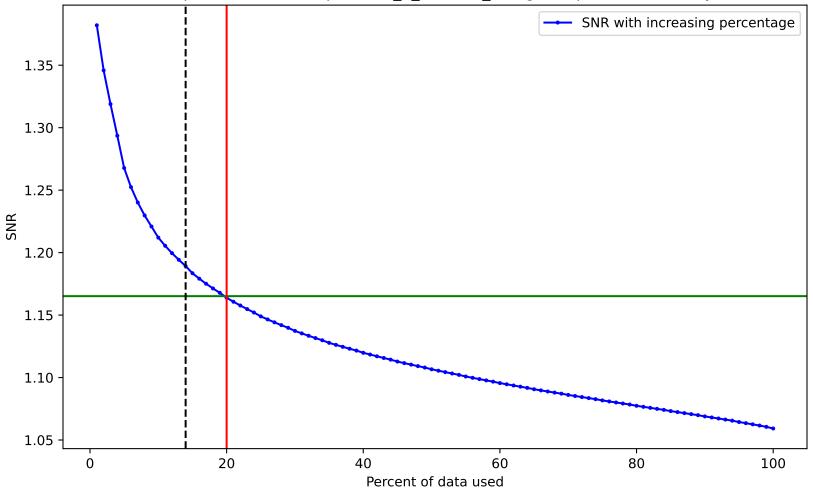
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



SNR vs Central Frequency for spectrum\_1\_cams24\_vmag8.13.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_1\_cams24\_vmag8.13.pow. Drowned by noise at 20.0%.

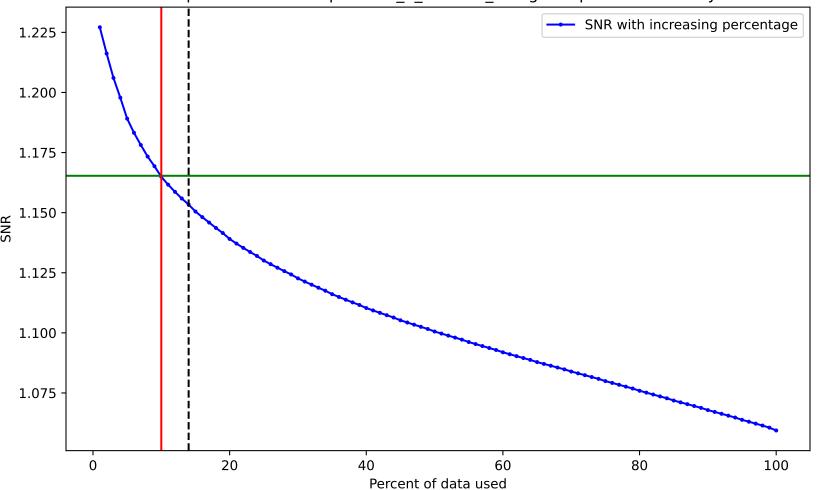


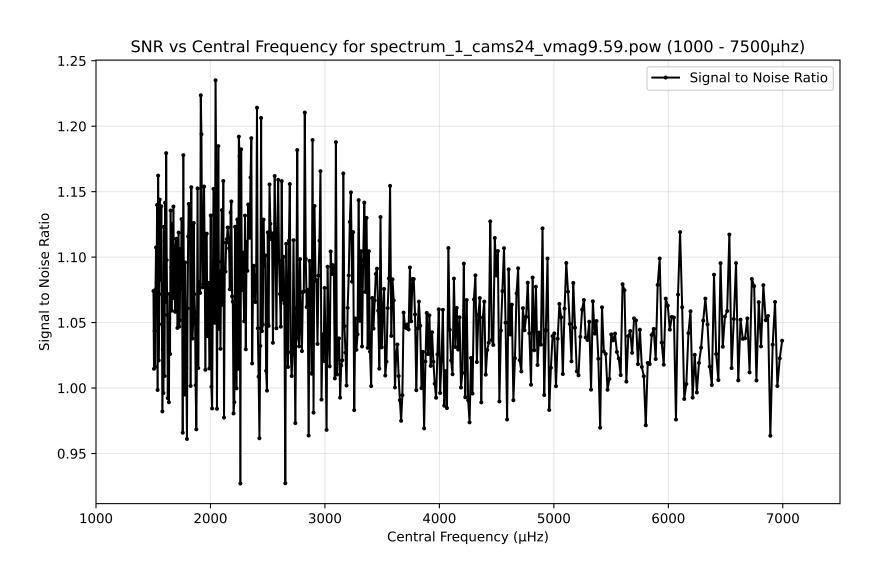
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) 

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz) - vmax = 2814.699 $\mu$ hz ± 437.411 $\mu$ hz (ZH1) 4000 

SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.46.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.46.pow. Drowned by noise at 10.0%.





SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.59.pow. Drowned by noise at 9.0%. 1.22 SNR with increasing percentage 1.20 1.18 1.16 K 1.14 1.12 1.10 1.08 1.06

60

Percent of data used

80

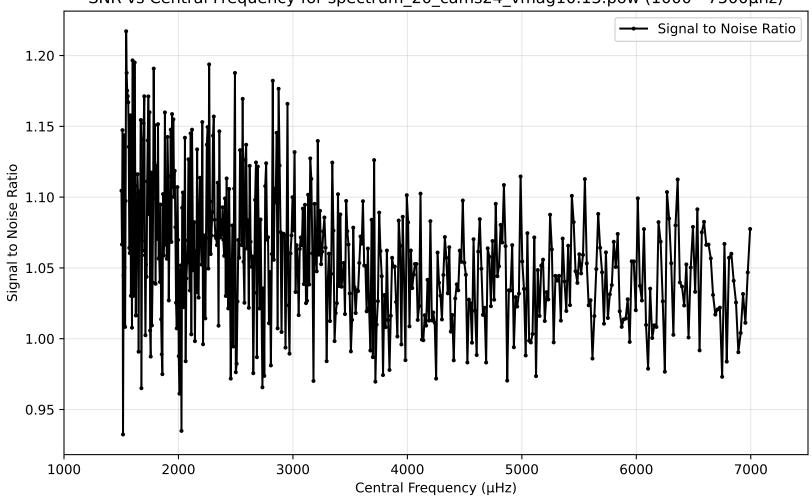
100

40

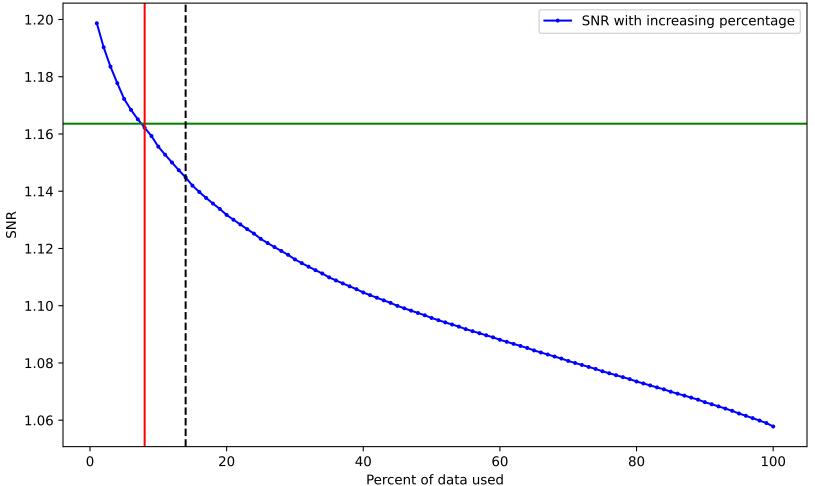
20

0

SNR vs Central Frequency for spectrum\_20\_cams24\_vmag10.13.pow (1000 - 7500µhz)

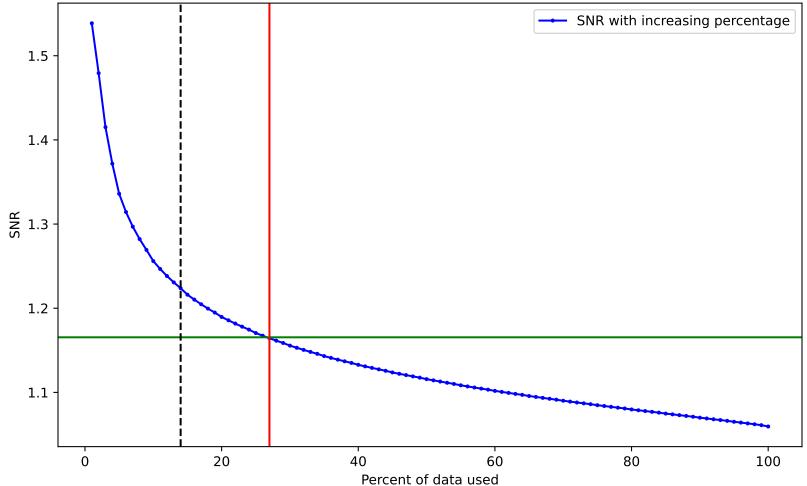


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag10.13.pow. Drowned by noise at 8.0%.



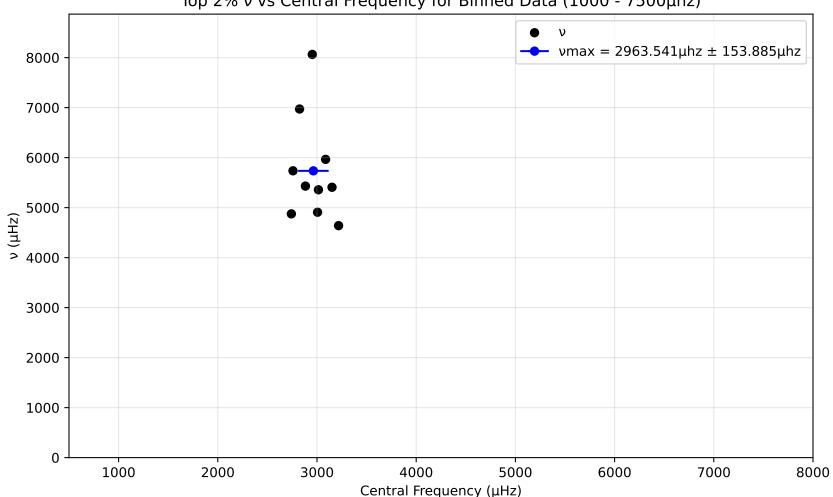
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.47.pow (1000 - 7500µhz) 1.7 Signal to Noise Ratio 1.6 1.5 Signal to Noise Ratio 1.4 1.3 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.47.pow. Drowned by noise at 27.0%.

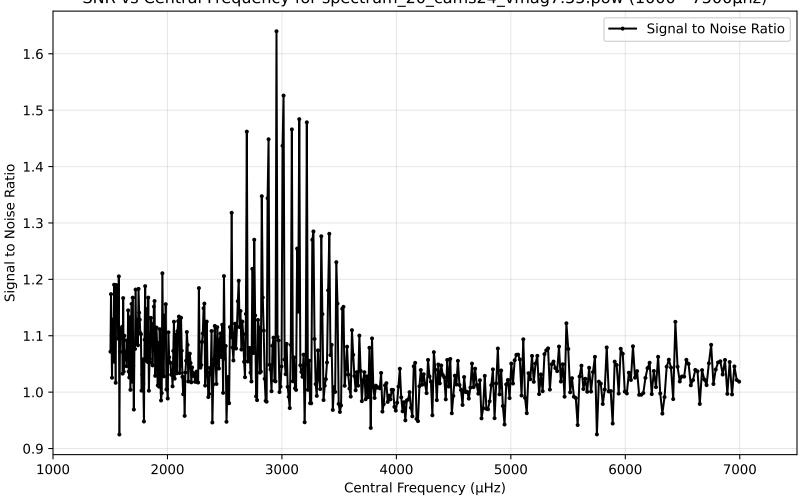


ν vs Central Frequency for Binned Data (1000 - 7500μhz) 4000 -(2Hn) v Central Frequency (µHz)

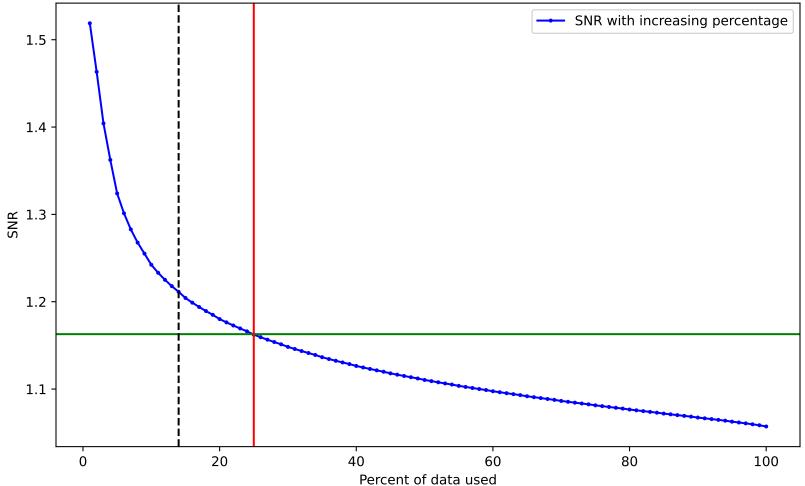
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.55.pow (1000 - 7500µhz)

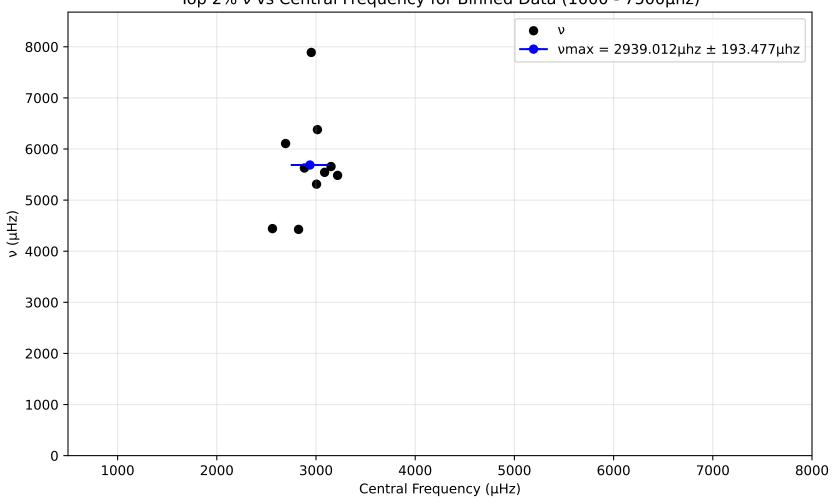


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.55.pow. Drowned by noise at 25.0%.

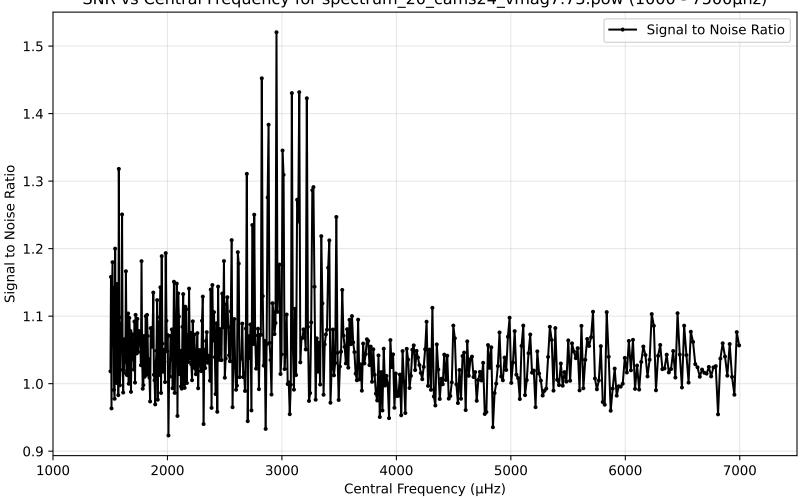


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) 

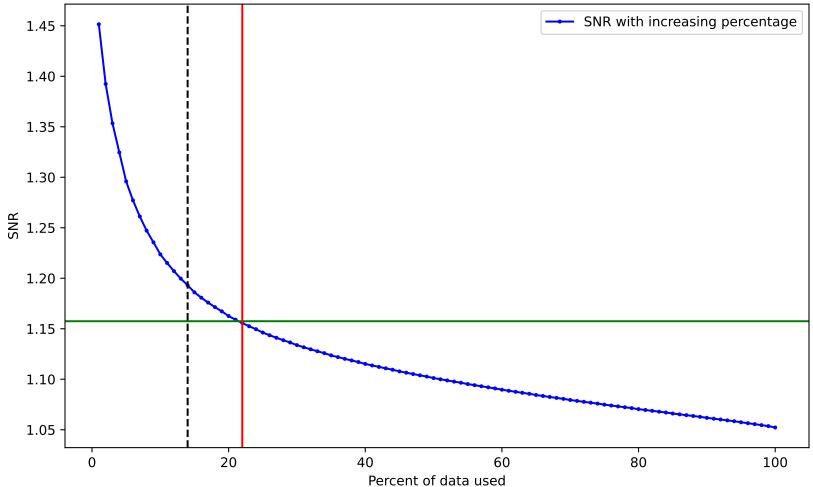
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.73.pow (1000 - 7500µhz)

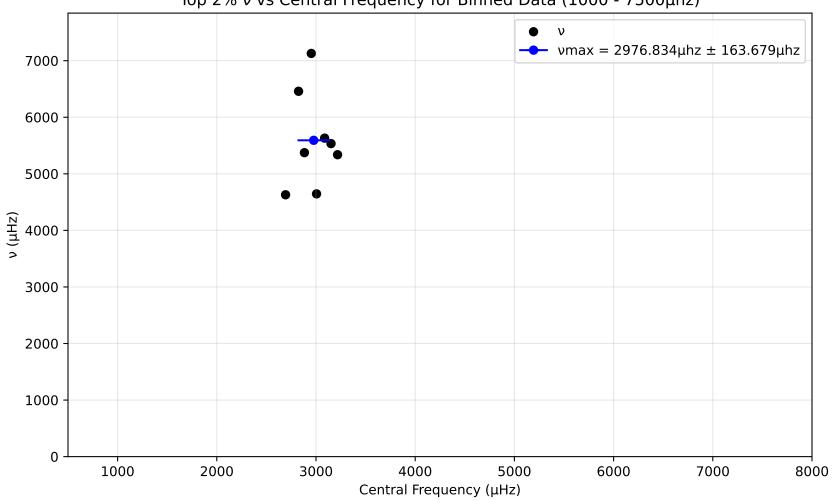


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.73.pow. Drowned by noise at 22.0%.

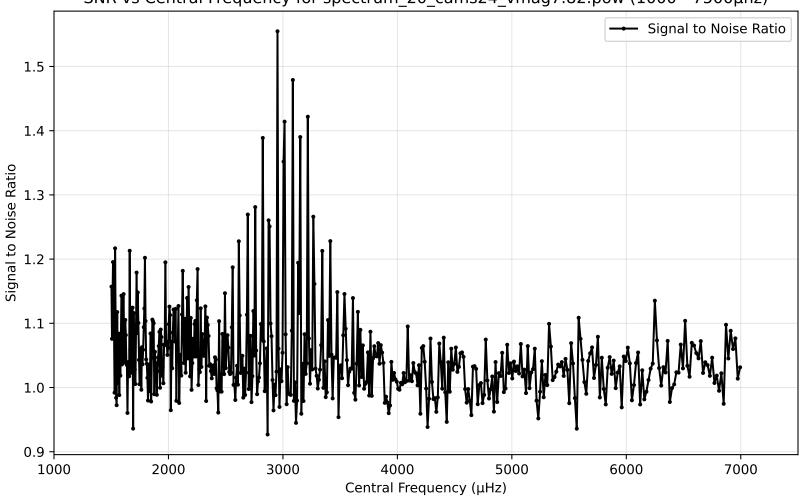


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) 

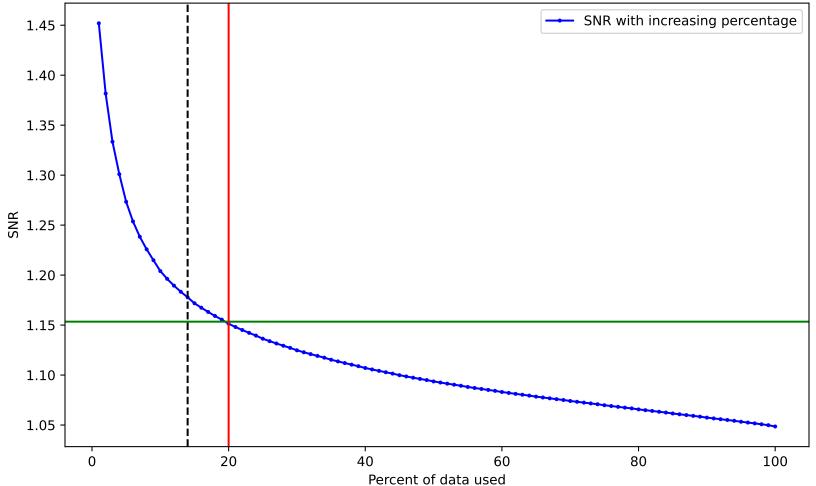
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.82.pow (1000 - 7500µhz)

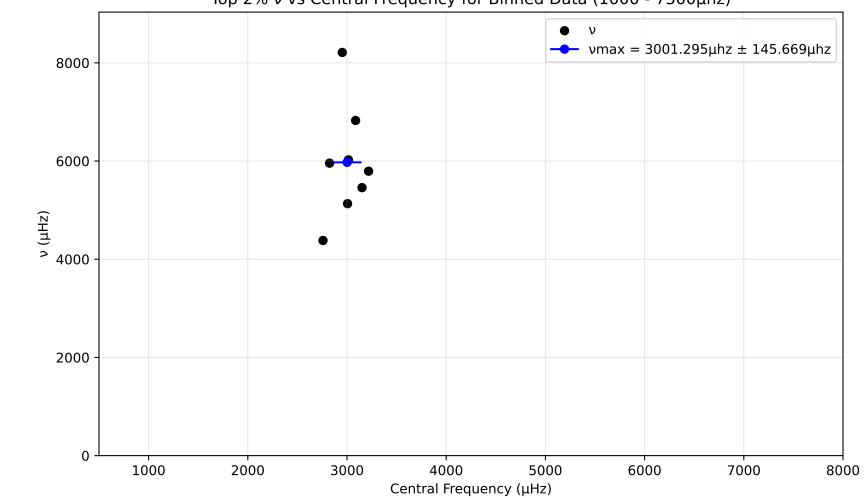


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.82.pow. Drowned by noise at 20.0%.

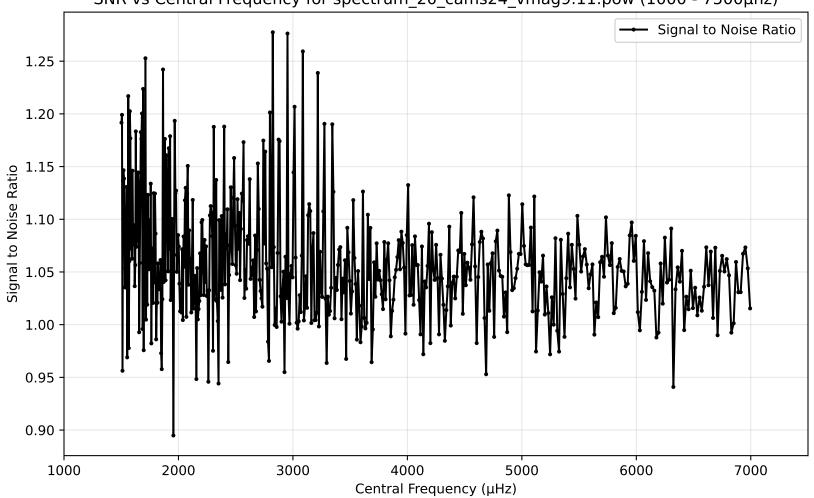


ν vs Central Frequency for Binned Data (1000 - 7500μhz) (HZ) Central Frequency (µHz)

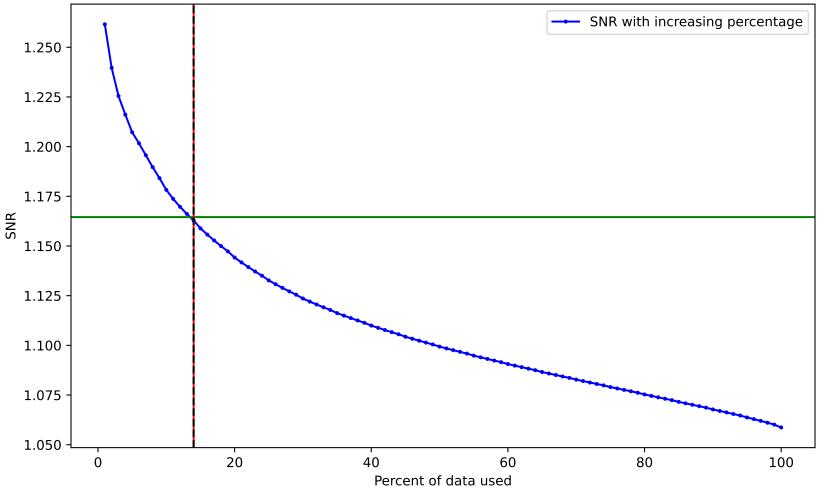
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



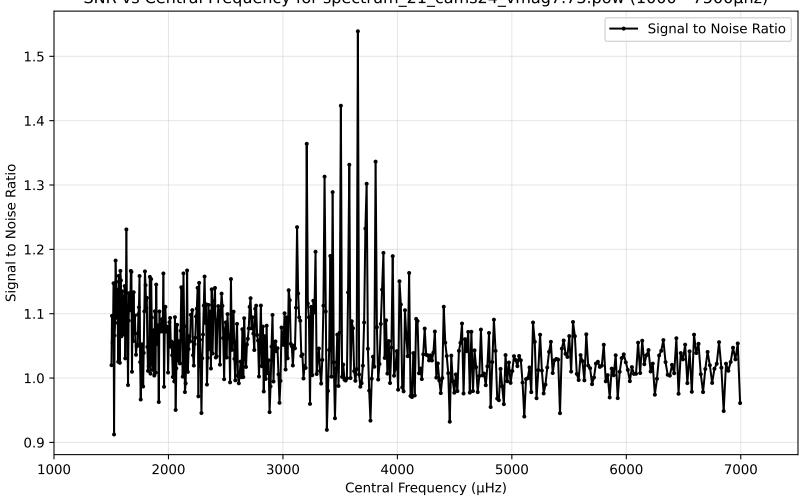
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag9.11.pow (1000 - 7500µhz)



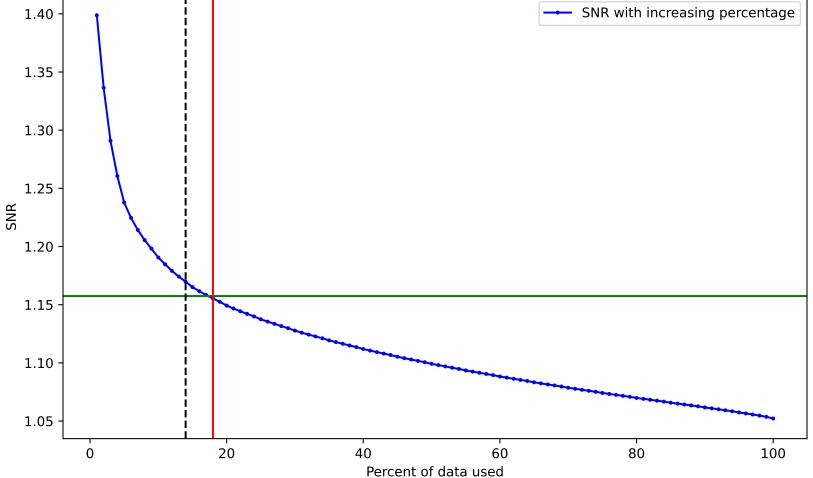
SNR variation for top n% of data for spectrum\_20\_cams24\_vmag9.11.pow. Drowned by noise at 14.0%.



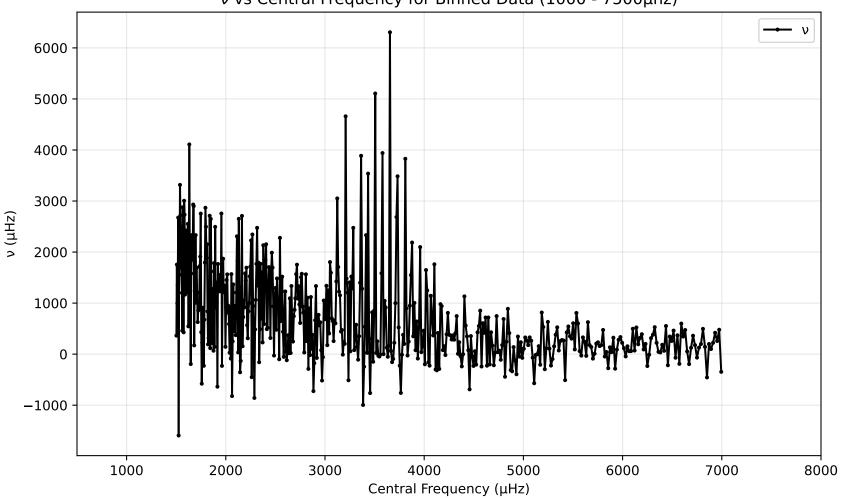
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag7.73.pow (1000 - 7500µhz)



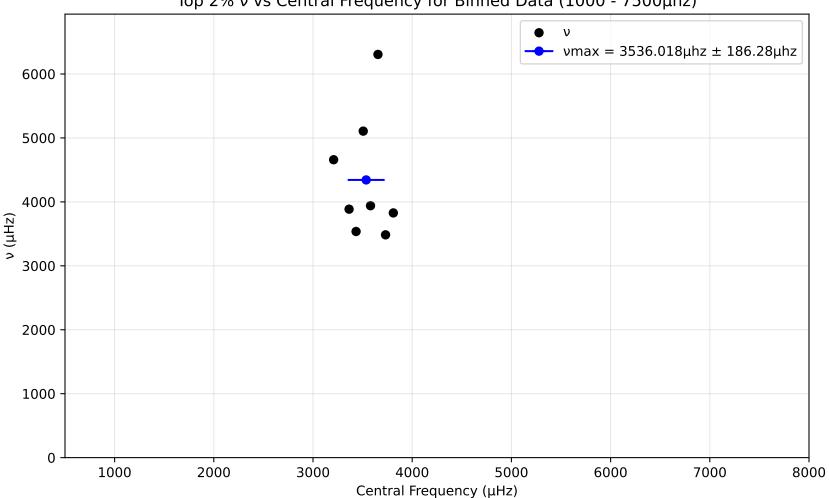
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag7.73.pow. Drowned by noise at 18.0%.

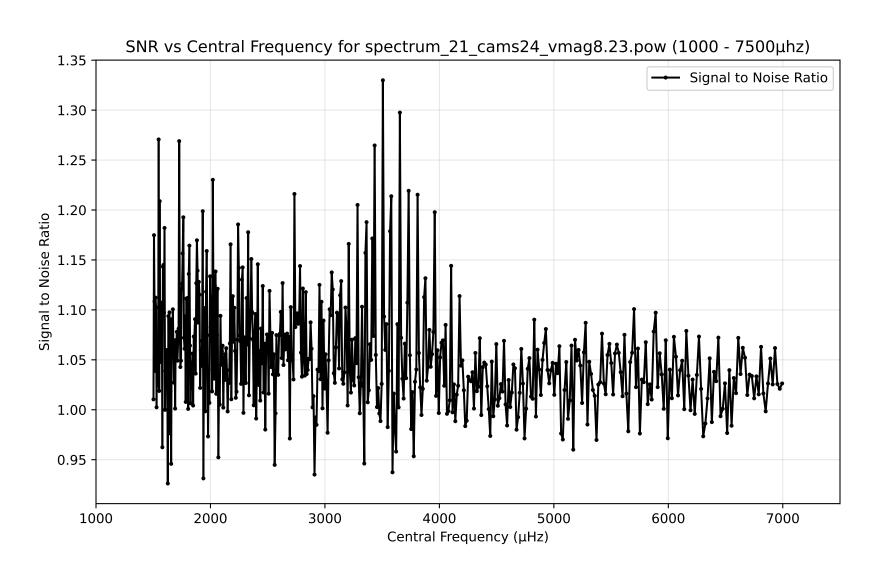


ν vs Central Frequency for Binned Data (1000 - 7500μhz)

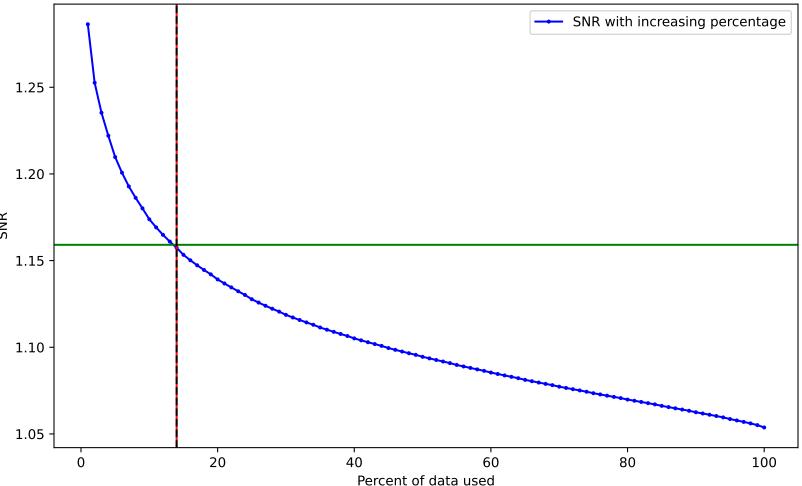


Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

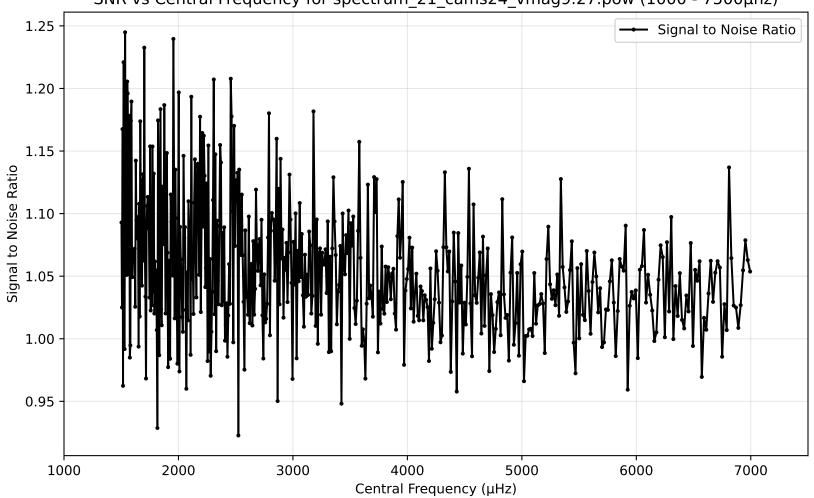




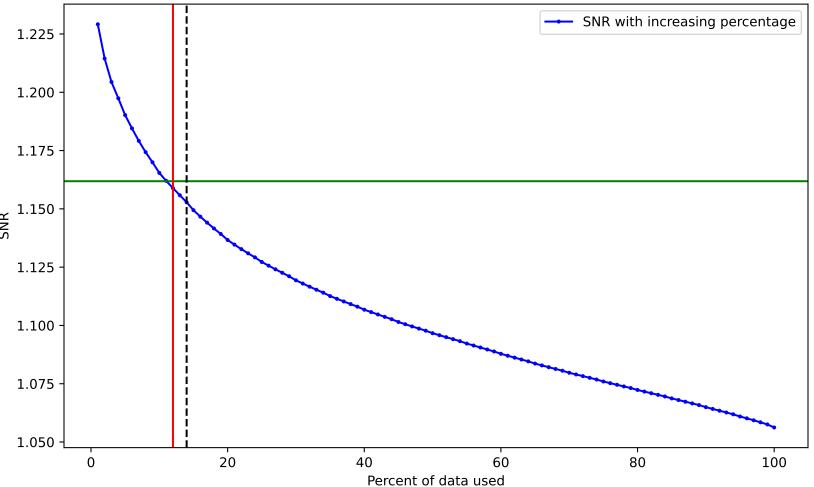
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag8.23.pow. Drowned by noise at 14.0%.



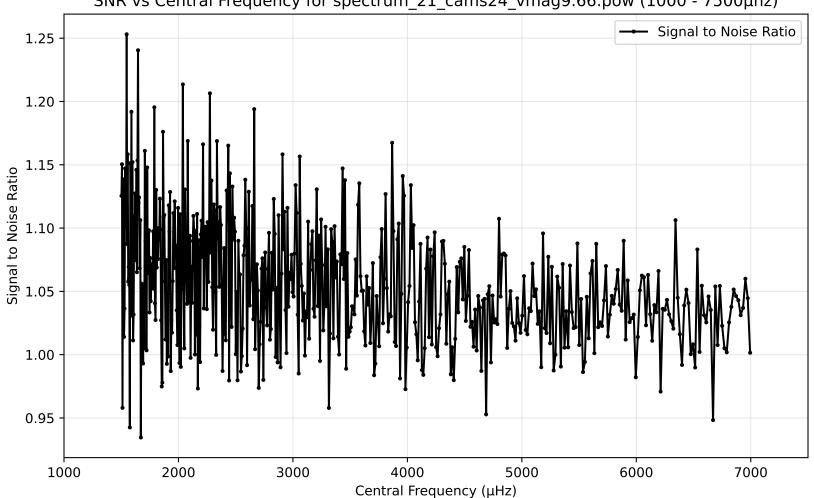
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.27.pow (1000 - 7500µhz)



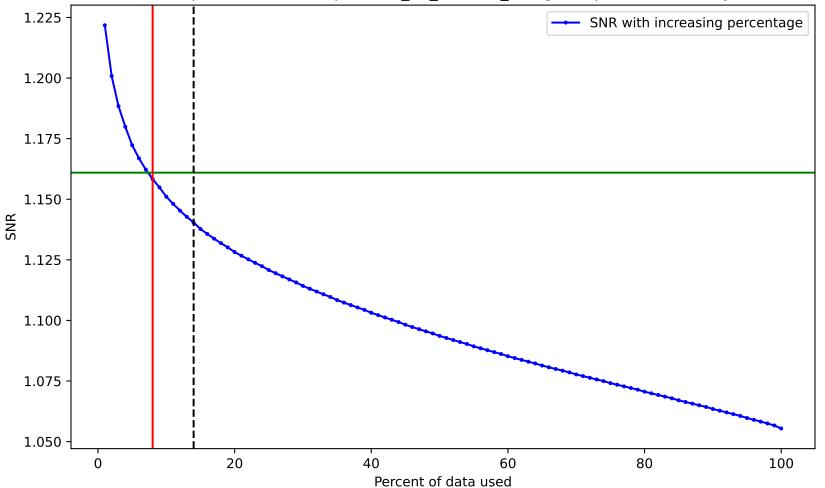
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.27.pow. Drowned by noise at 12.0%.



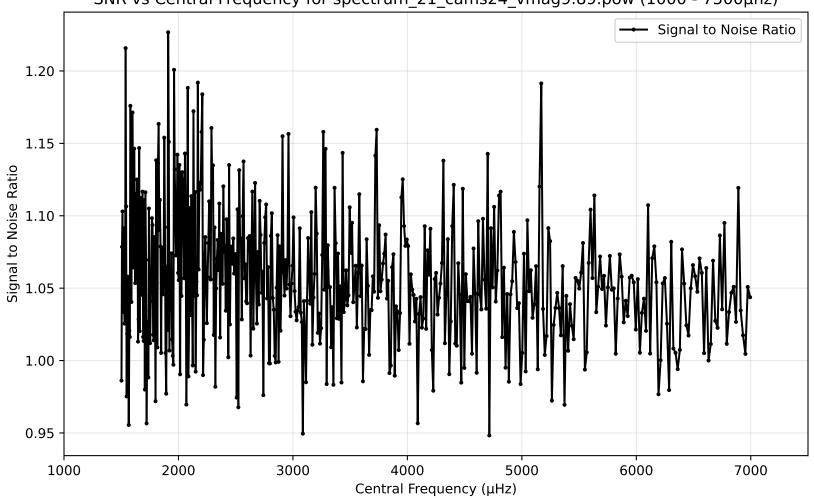
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.66.pow (1000 - 7500µhz)



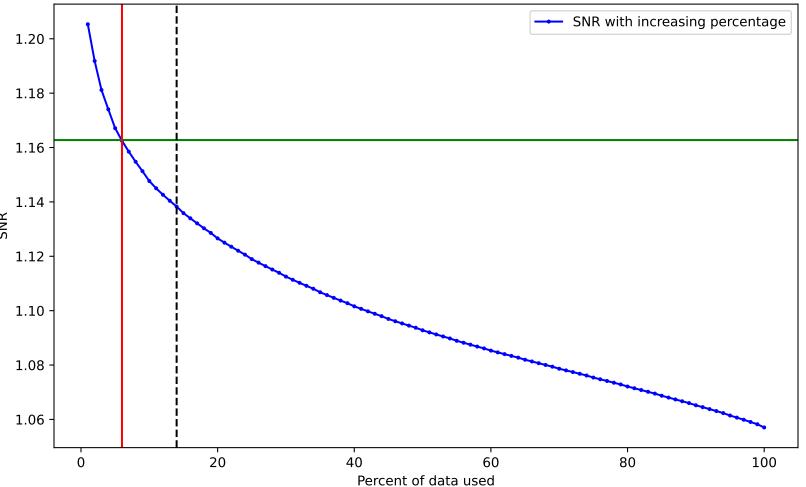
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.66.pow. Drowned by noise at 8.0%.



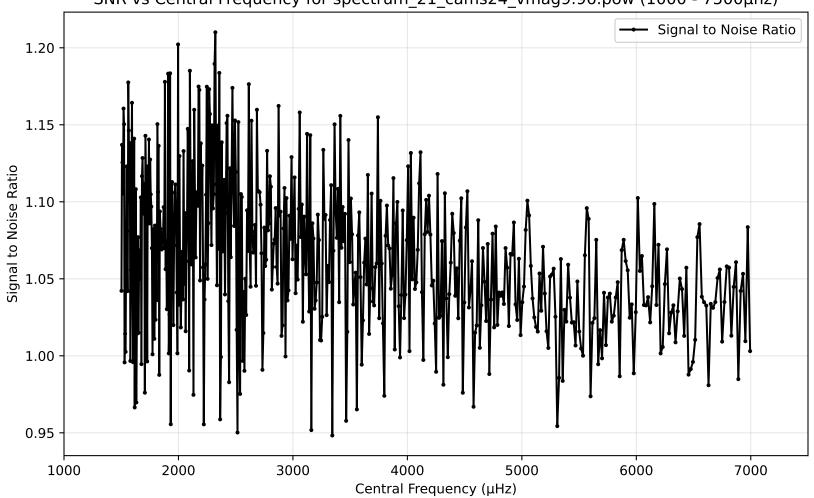
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.89.pow (1000 - 7500µhz)

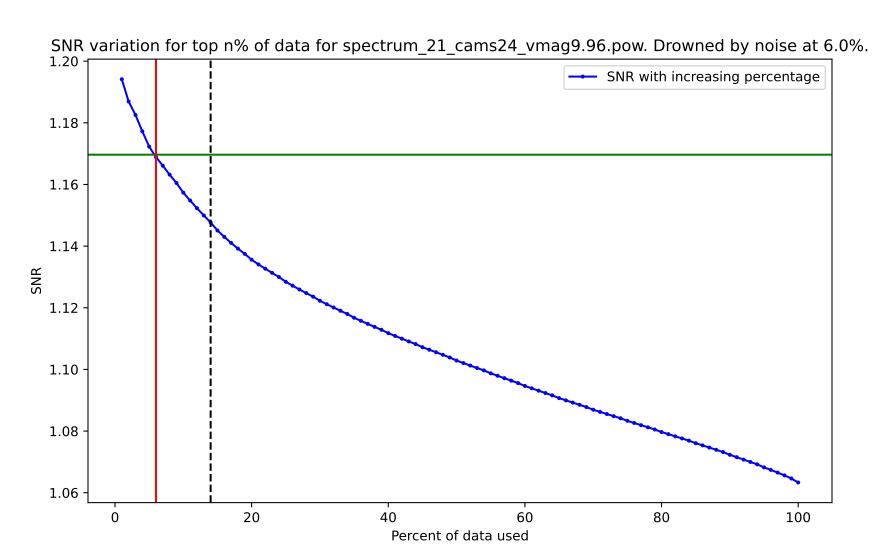


SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.89.pow. Drowned by noise at 6.0%.

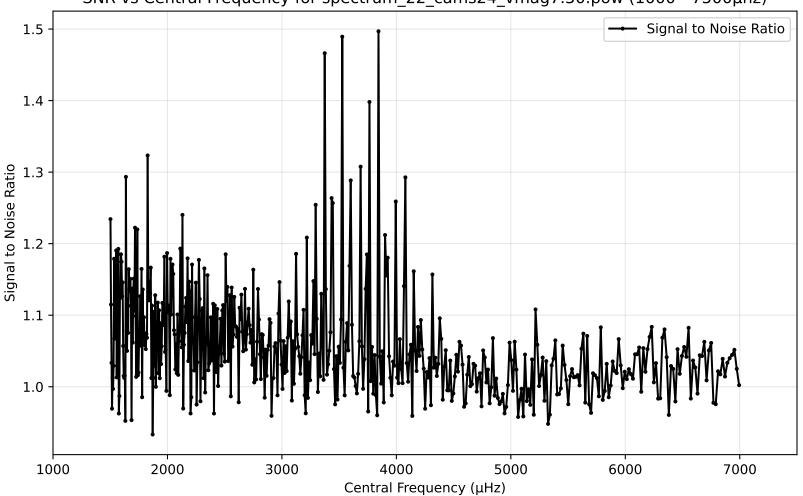


SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.96.pow (1000 - 7500µhz)





SNR vs Central Frequency for spectrum\_22\_cams24\_vmag7.50.pow (1000 - 7500µhz)

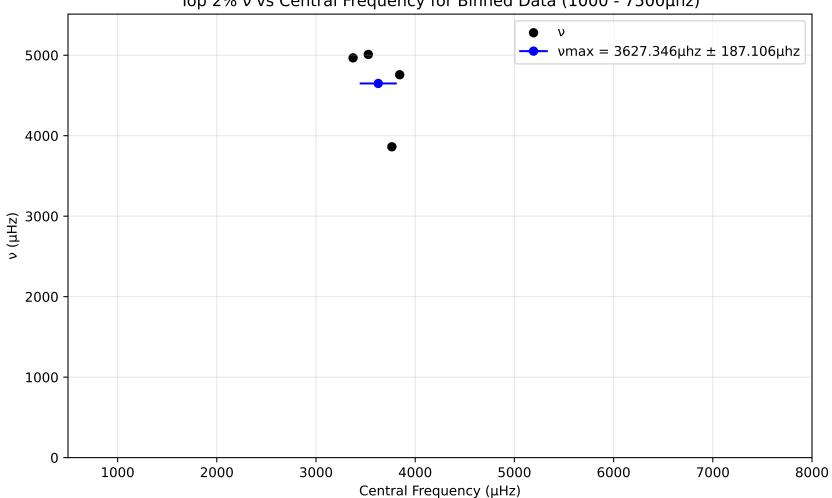


SNR variation for top n% of data for spectrum\_22\_cams24\_vmag7.50.pow. Drowned by noise at 23.0%. 1.45 SNR with increasing percentage 1.40 1.35 1.30 ¥ 1.25 1.20 1.15 -1.10 1.05 -20 40 60 80 100

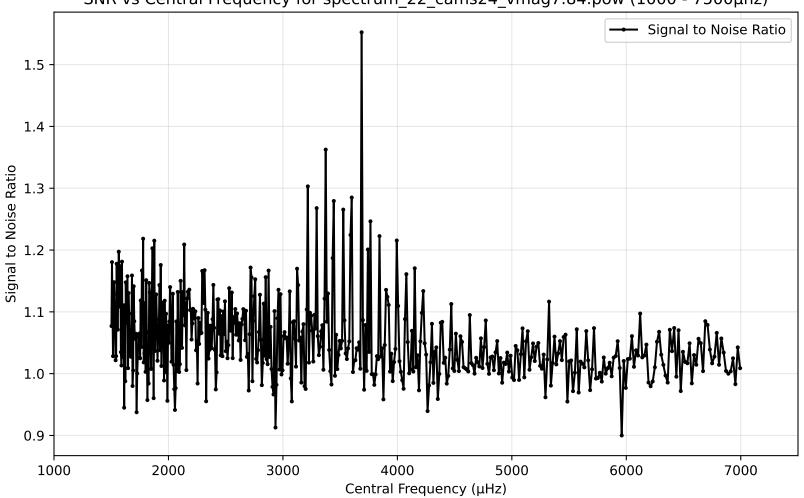
Percent of data used

 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 -Central Frequency (µHz)

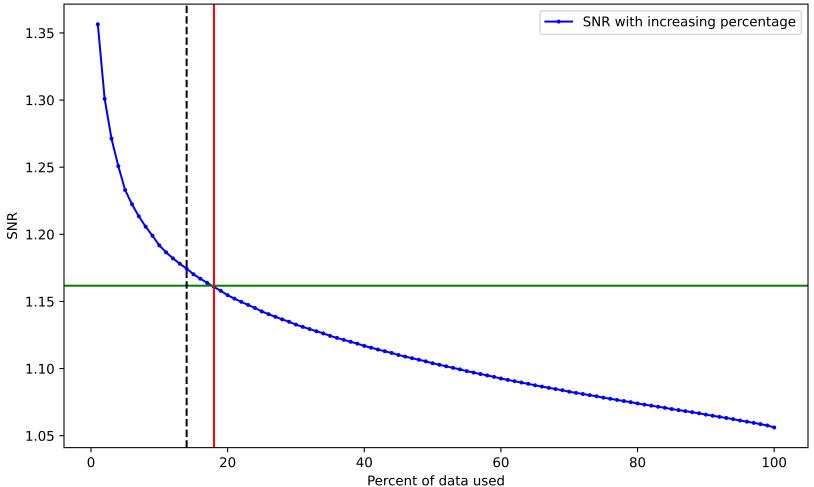
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



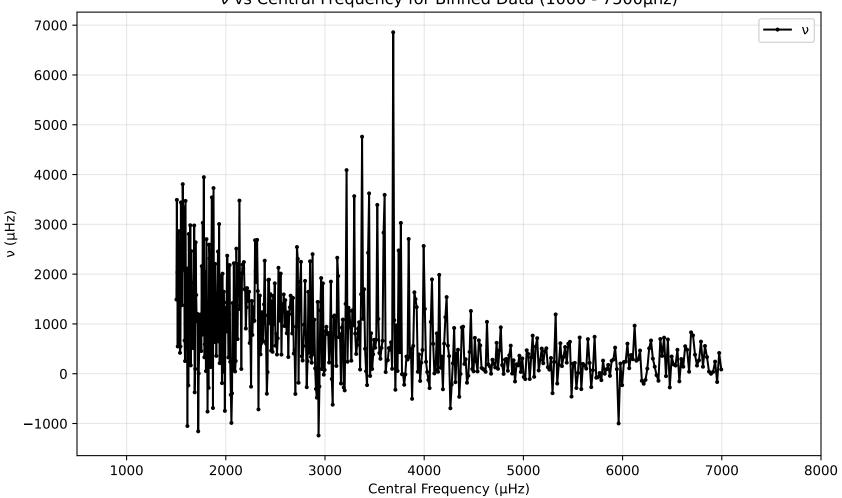
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag7.84.pow (1000 - 7500µhz)



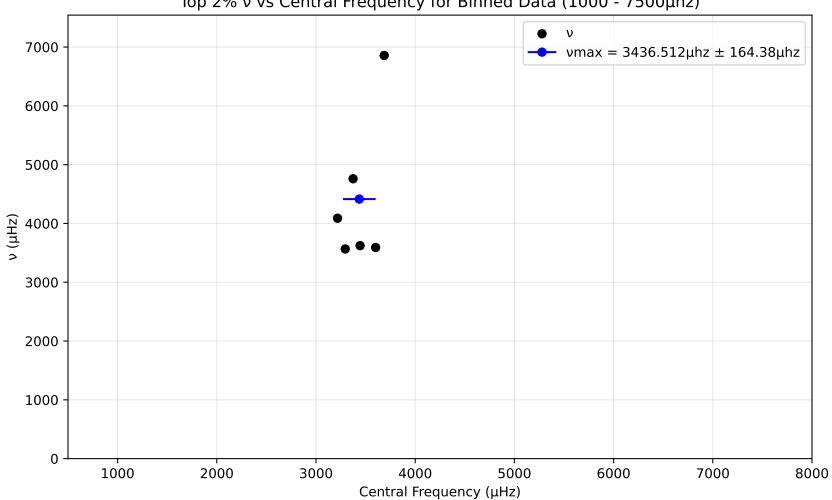
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag7.84.pow. Drowned by noise at 18.0%.



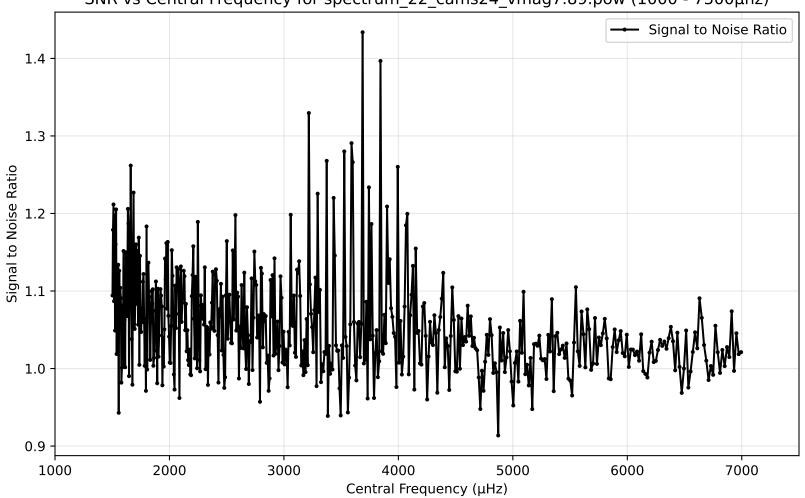
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



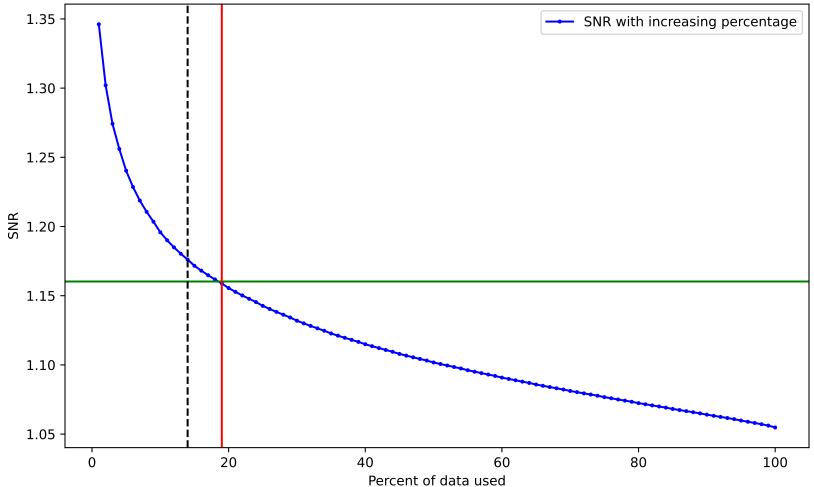
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_22\_cams24\_vmag7.89.pow (1000 - 7500µhz)



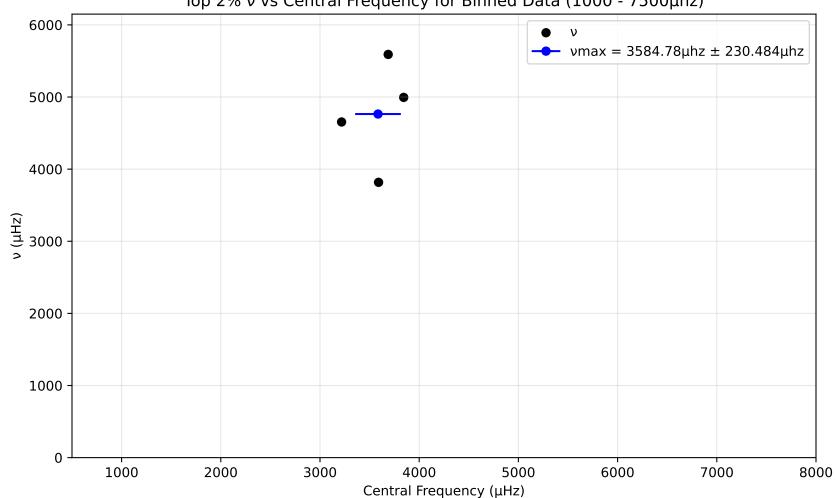
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag7.89.pow. Drowned by noise at 19.0%.



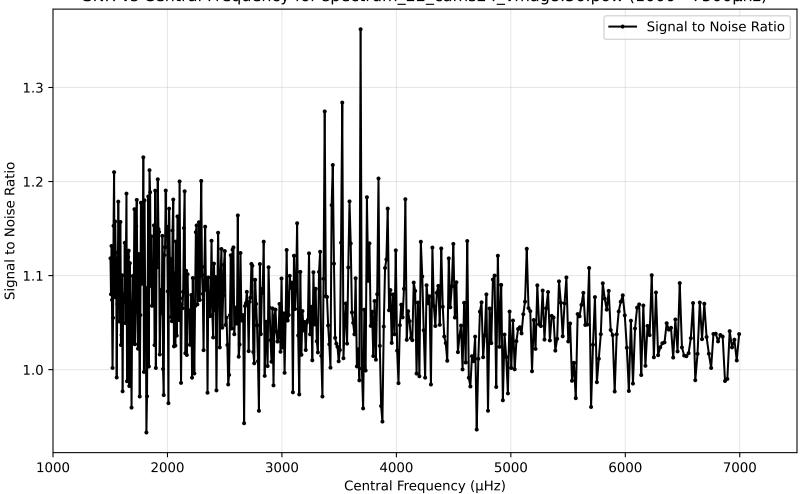
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

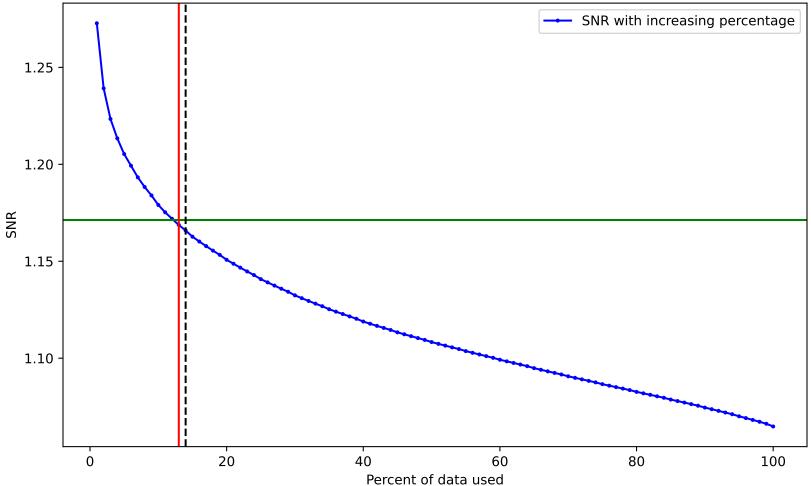
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



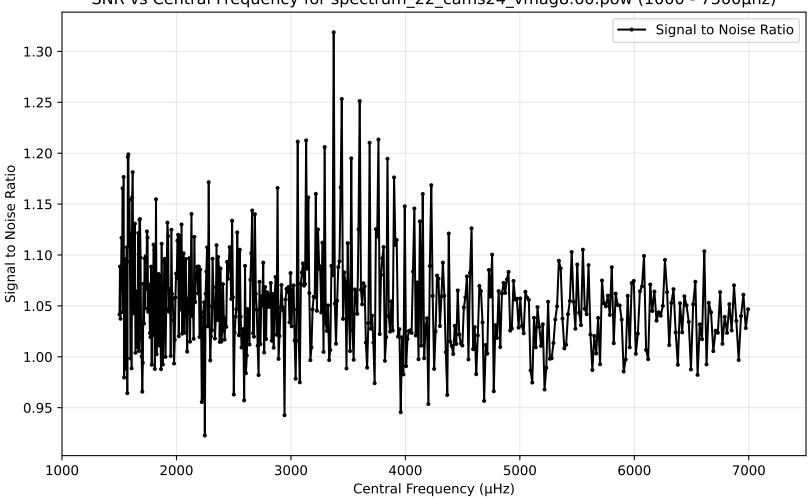
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.56.pow (1000 - 7500µhz)



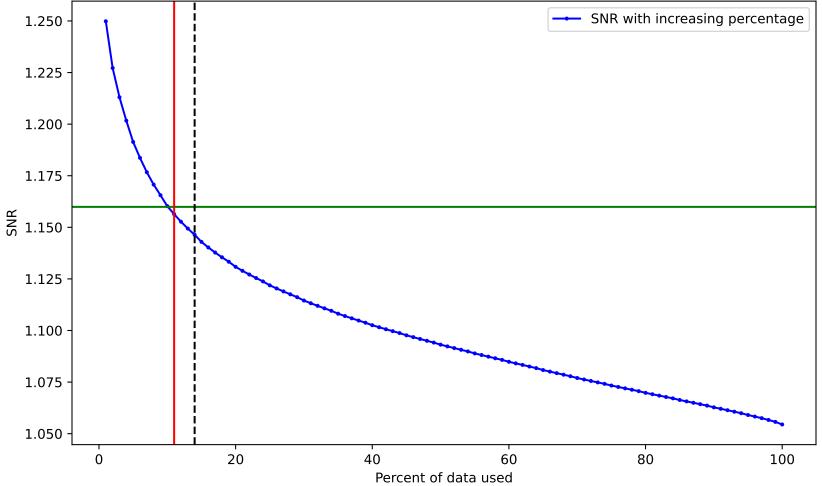
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag8.56.pow. Drowned by noise at 13.0%.



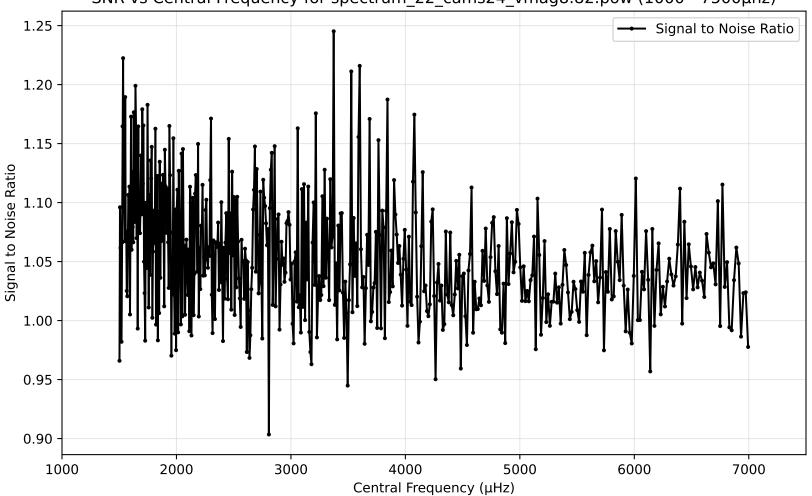
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.60.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_22\_cams24\_vmag8.60.pow. Drowned by noise at 11.0%.



SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.82.pow (1000 - 7500µhz)

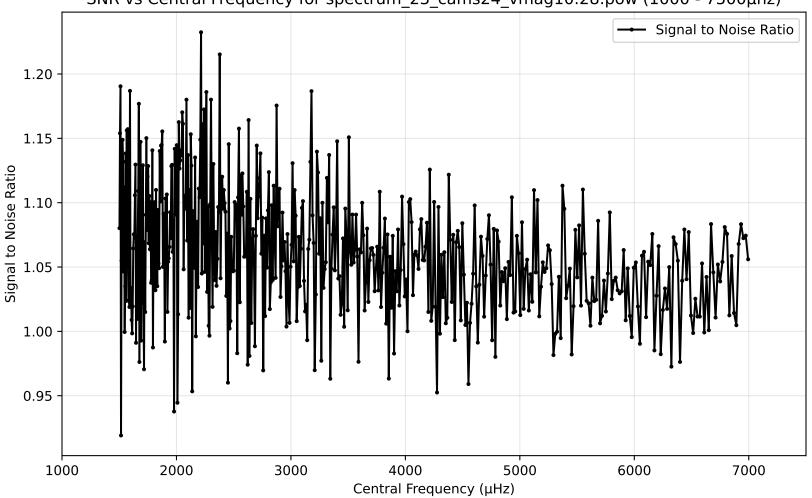


SNR variation for top n% of data for spectrum\_22\_cams24\_vmag8.82.pow. Drowned by noise at 10.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 1.050 -20 40 60 80 100

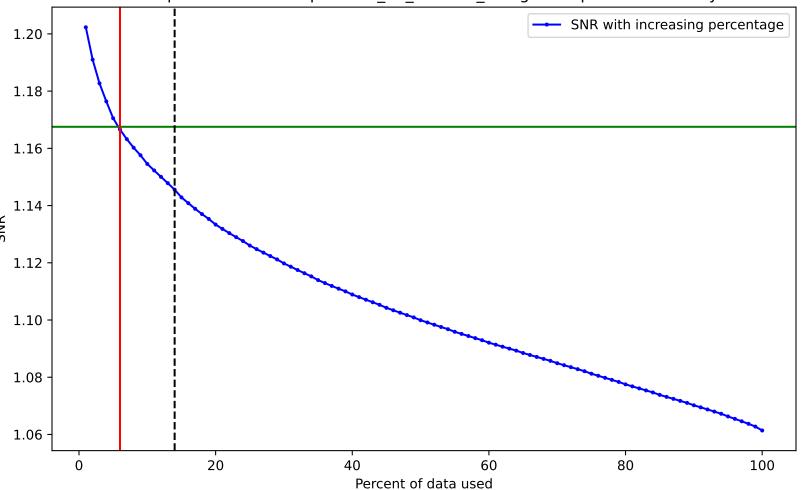
Percent of data used

SNR

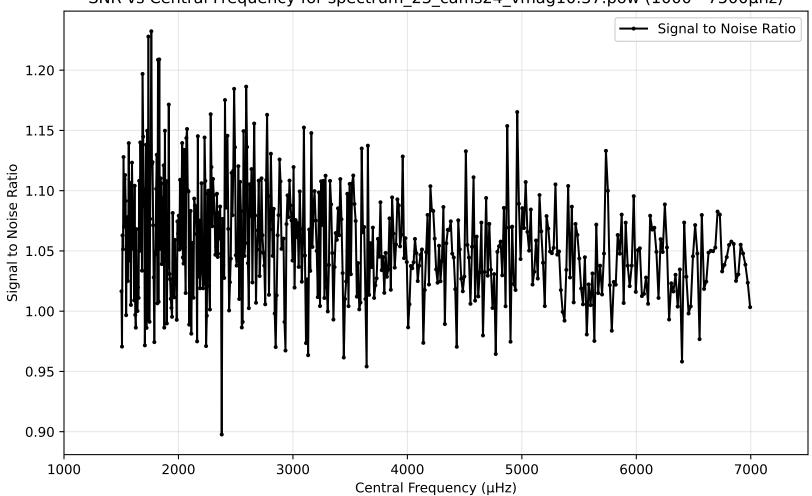
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag10.28.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_23\_cams24\_vmag10.28.pow. Drowned by noise at 6.0%.



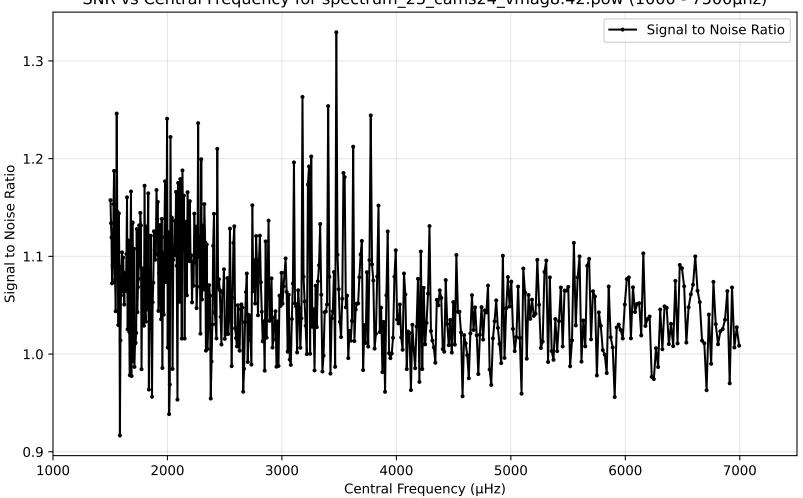
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag10.37.pow (1000 - 7500µhz)



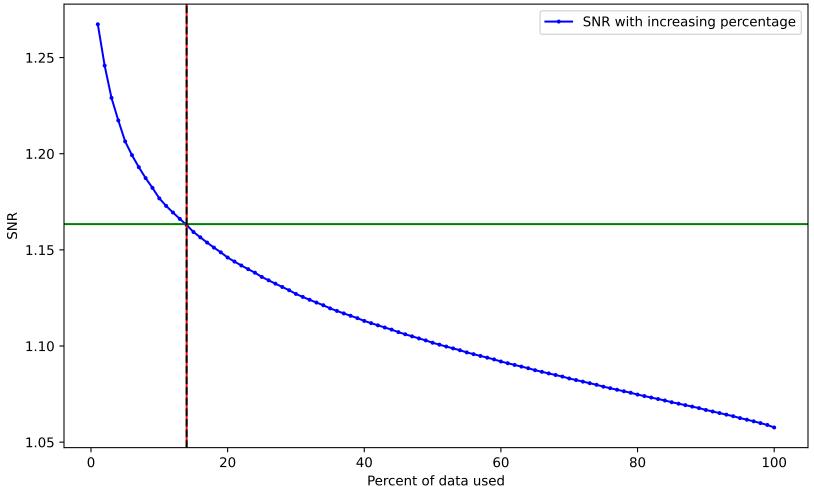
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag10.37.pow. Drowned by noise at 7.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 NS 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

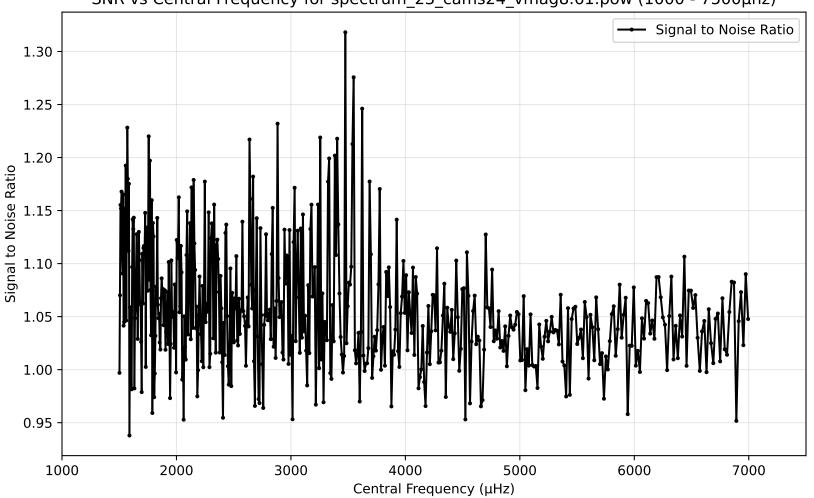
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.42.pow (1000 - 7500µhz)



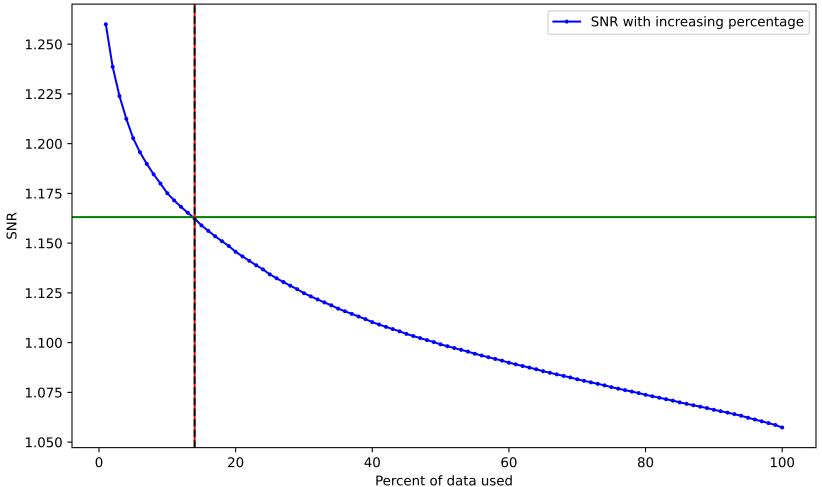
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.42.pow. Drowned by noise at 14.0%.



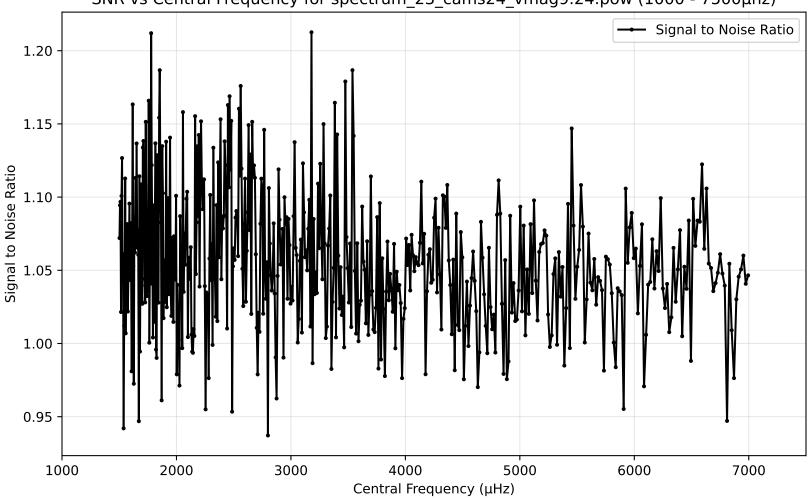
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.61.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.61.pow. Drowned by noise at 14.0%.



SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.24.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.24.pow. Drowned by noise at 6.0%. 1.20 -SNR with increasing percentage 1.18 1.16 1.14 1.12 1.10 1.08 1.06 20 80

60

Percent of data used

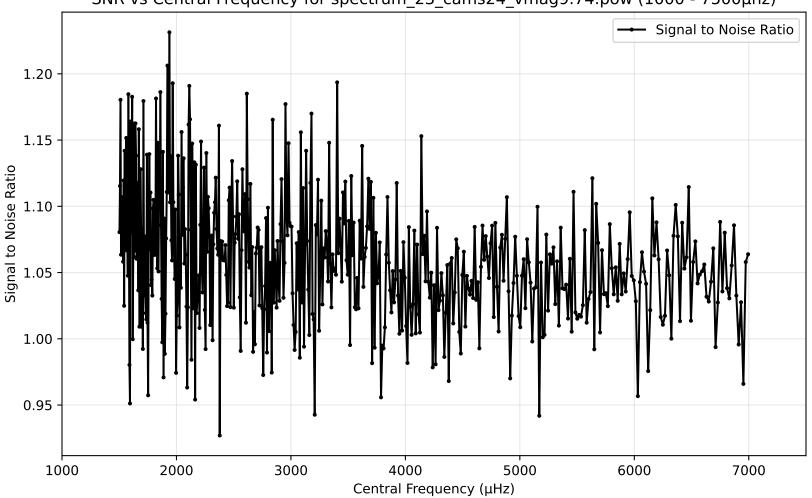
100

40

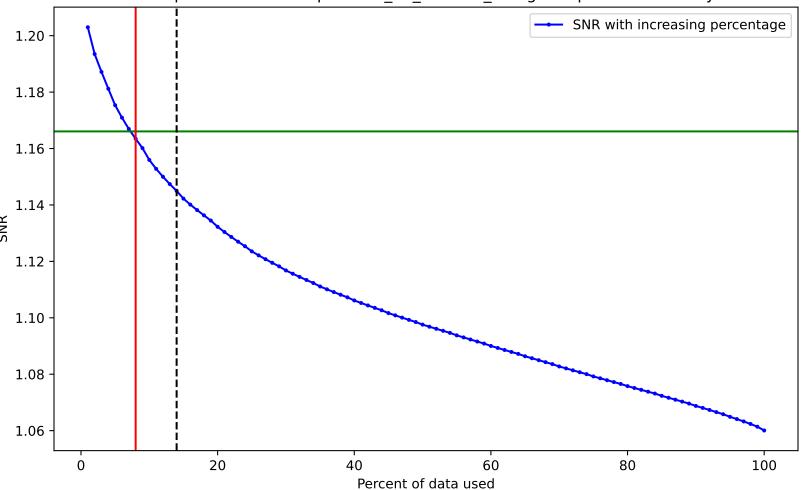
SNR

0

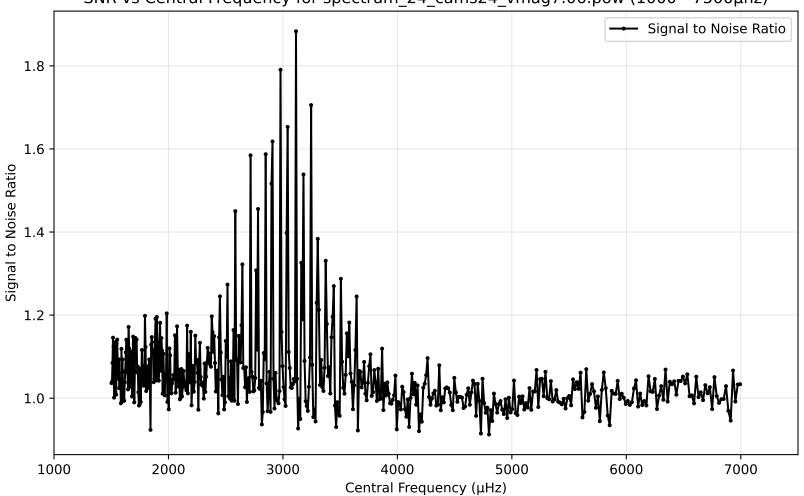
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.74.pow (1000 - 7500µhz)



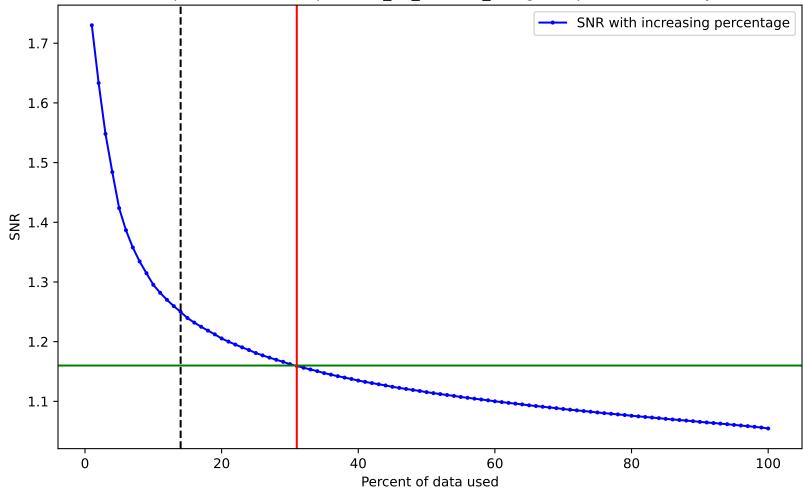
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.74.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag7.06.pow (1000 - 7500µhz)

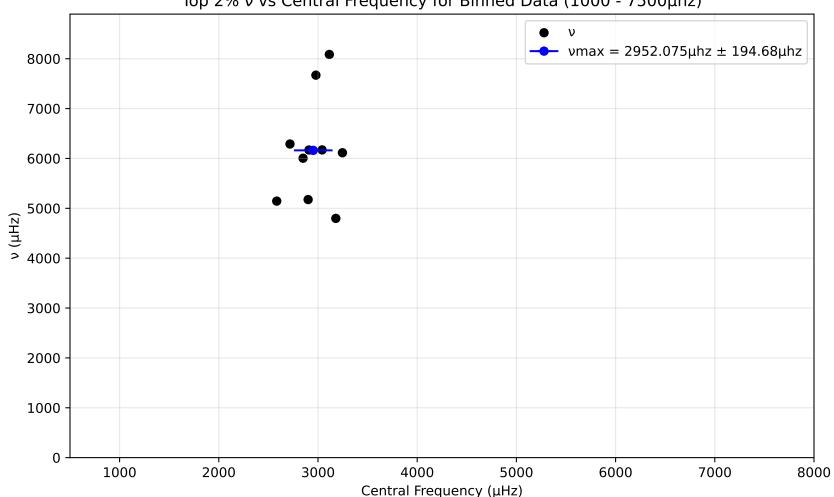


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag7.06.pow. Drowned by noise at 31.0%.

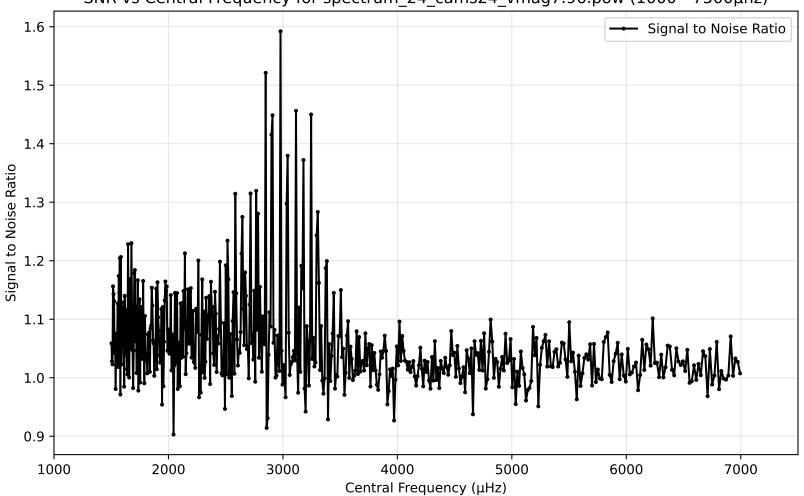


ν vs Central Frequency for Binned Data (1000 - 7500μhz) (μμz) γ Central Frequency (µHz)

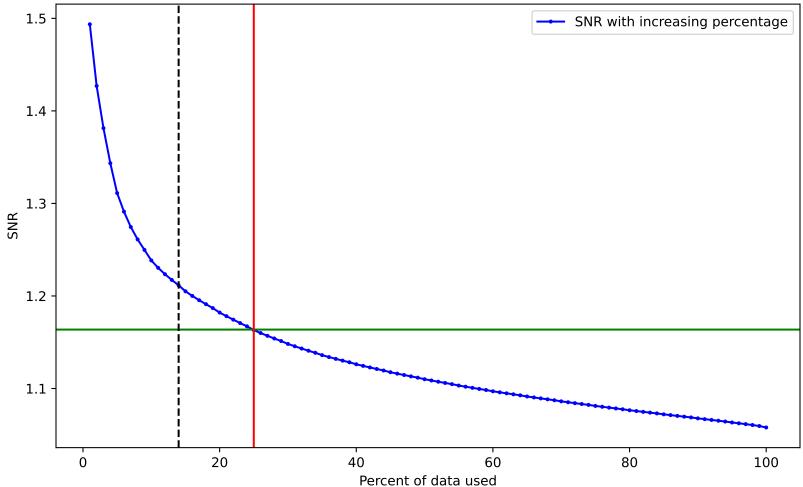
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag7.96.pow (1000 - 7500µhz)

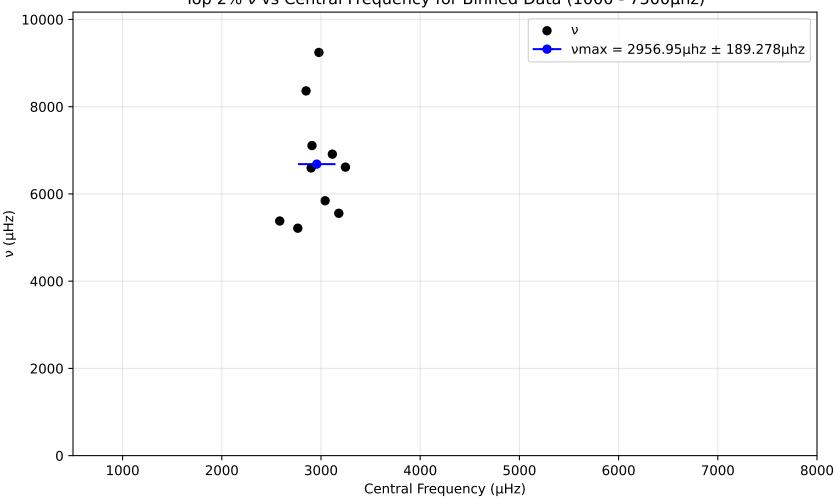


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag7.96.pow. Drowned by noise at 25.0%.



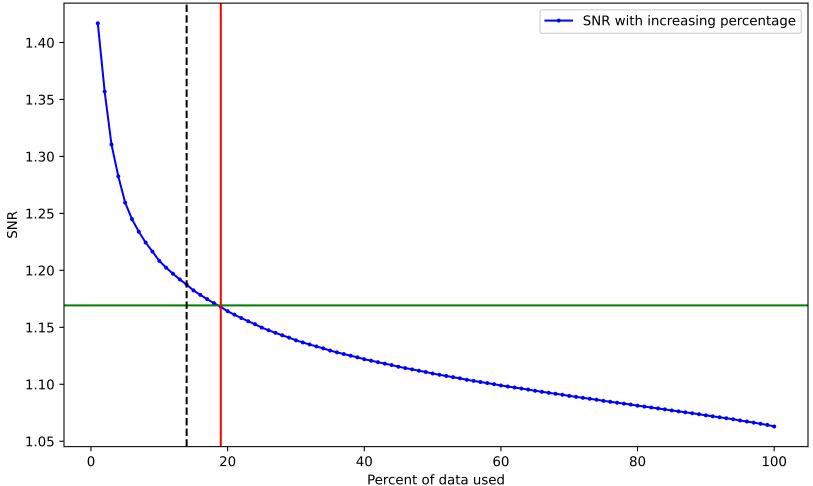
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -2000 Central Frequency (µHz)

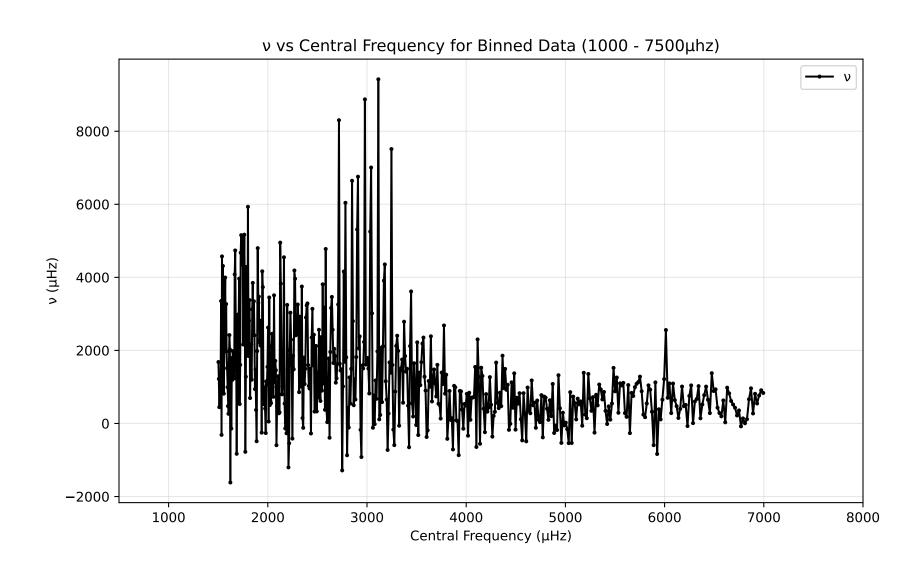
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



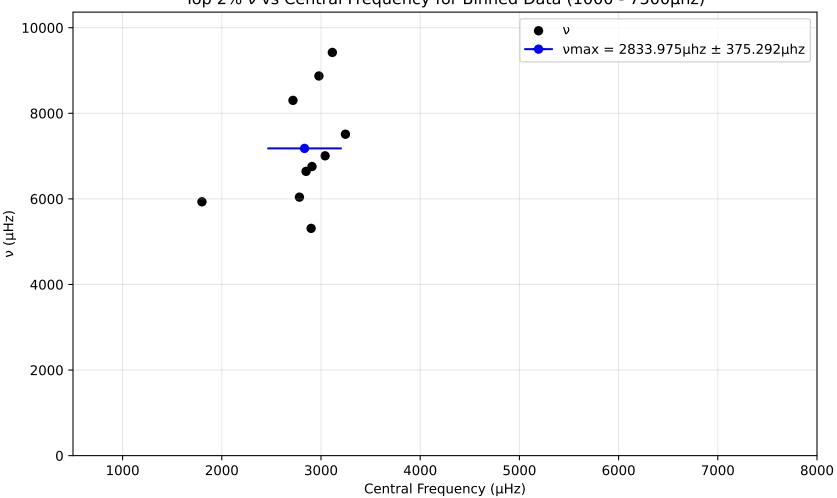
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.33.pow (1000 - 7500µhz) 1.5 -Signal to Noise Ratio 1.4 1.3 Signal to Noise Ratio 1.2 1.1 1.0 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.33.pow. Drowned by noise at 19.0%.

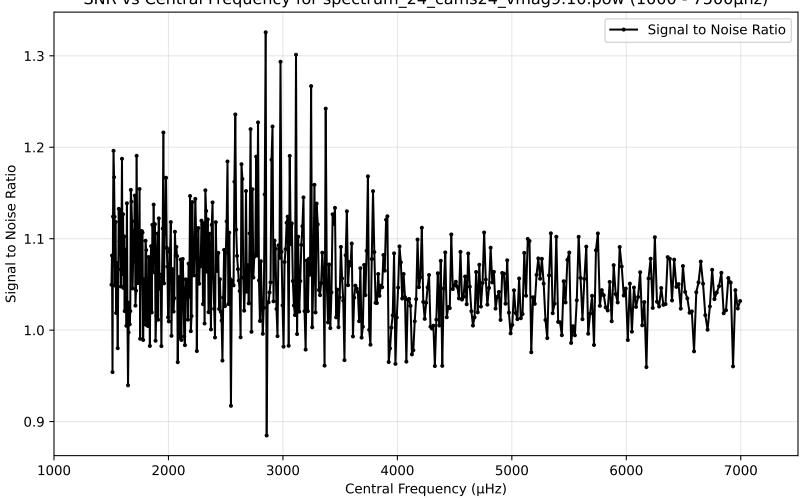




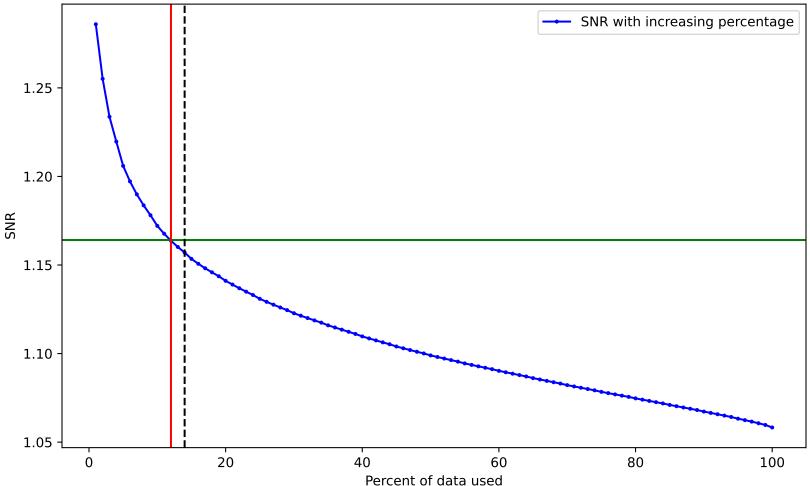
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



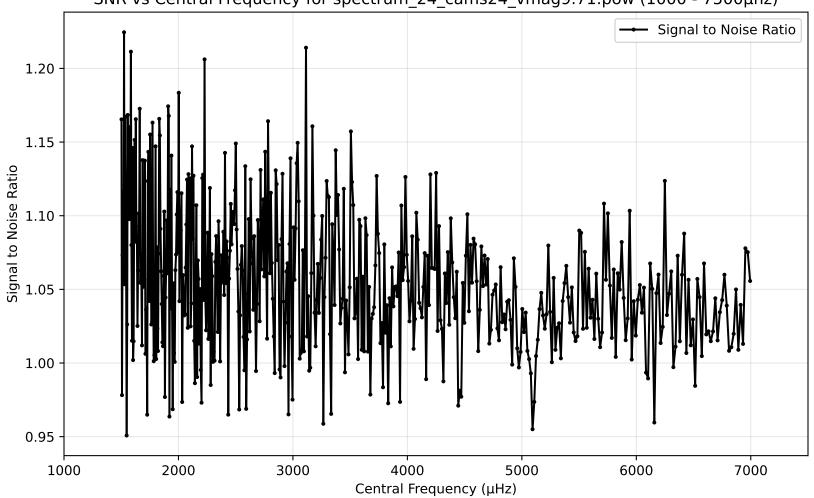
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag9.10.pow (1000 - 7500µhz)



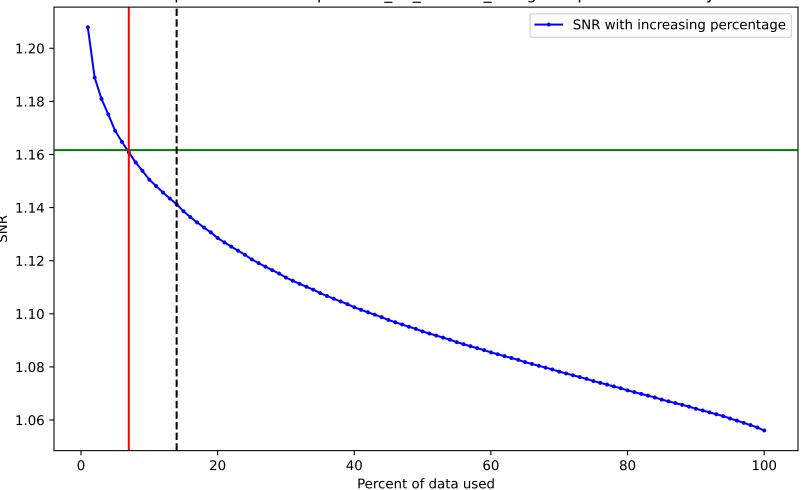
SNR variation for top n% of data for spectrum\_24\_cams24\_vmag9.10.pow. Drowned by noise at 12.0%.

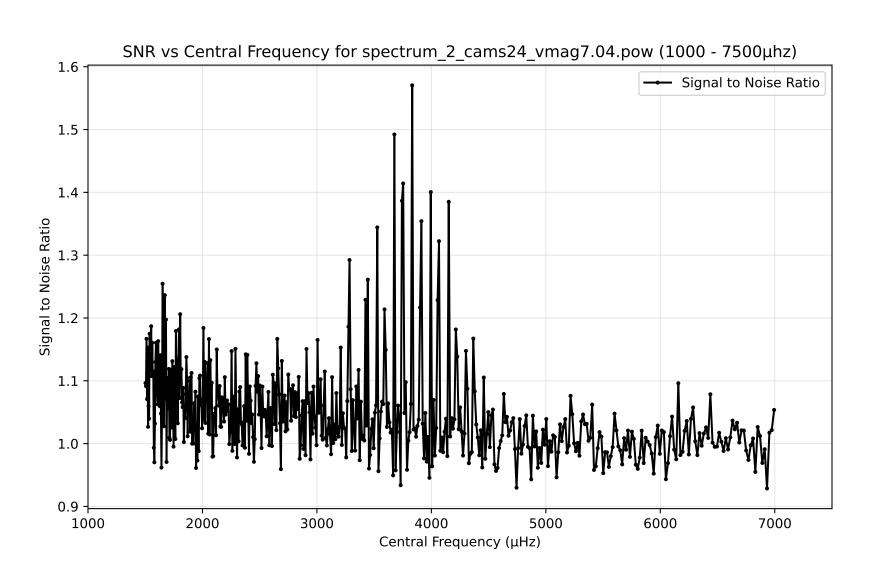


SNR vs Central Frequency for spectrum\_24\_cams24\_vmag9.71.pow (1000 - 7500µhz)

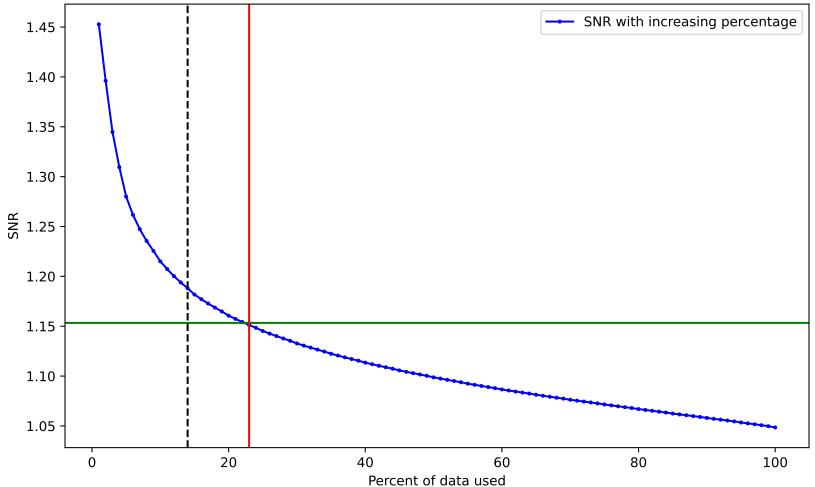


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag9.71.pow. Drowned by noise at 7.0%.



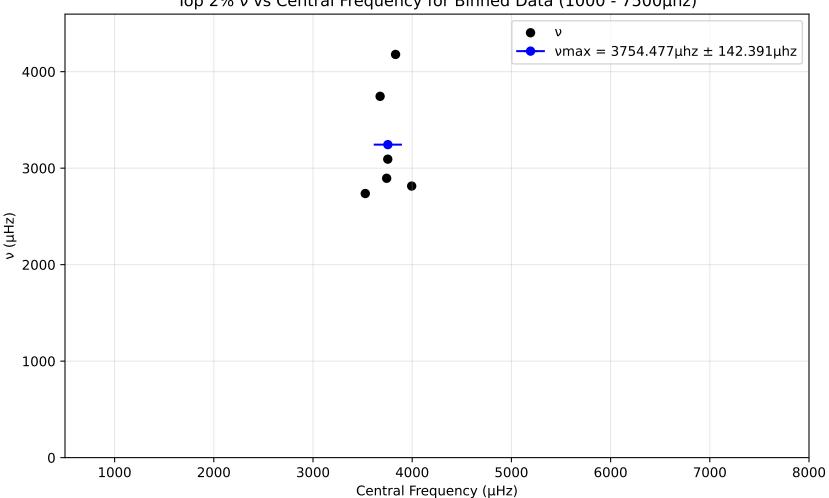


SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.04.pow. Drowned by noise at 23.0%.



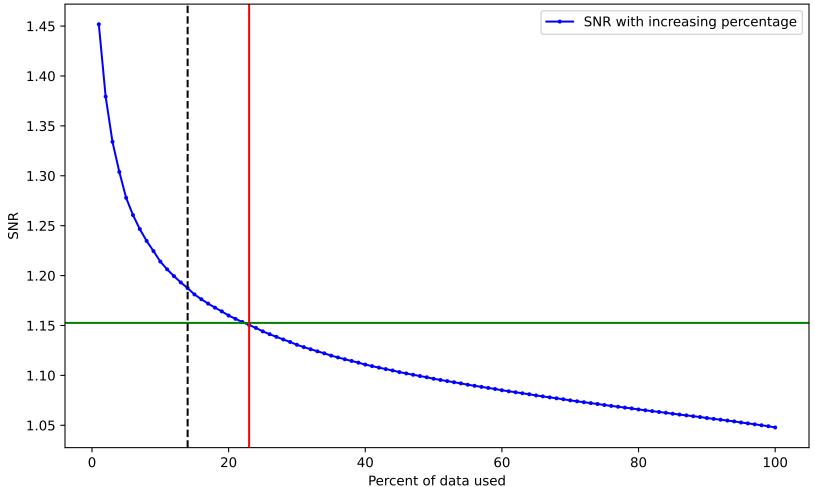
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) (hHz) a 

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



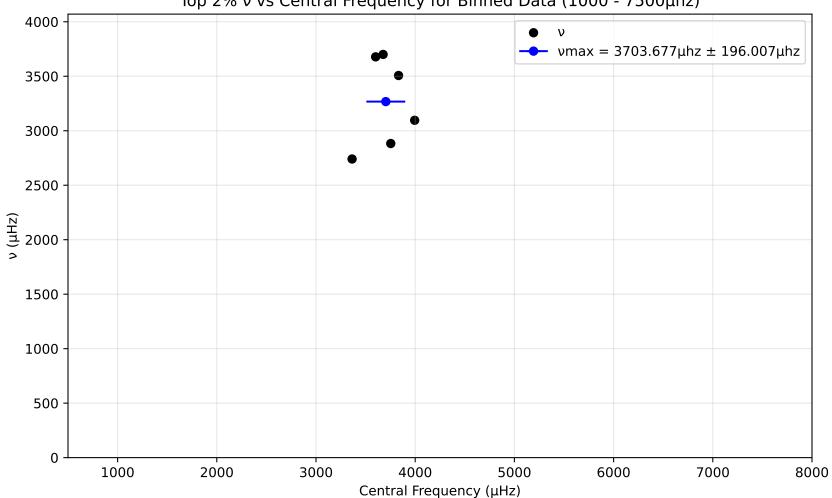
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.07.pow (1000 - 7500µhz) 1.5 Signal to Noise Ratio 1.4 1.3 Signal to Noise Ratio 1.2 1.1 1.0 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.07.pow. Drowned by noise at 23.0%.



 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.59.pow (1000 - 7500µhz) 1.4 -Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.1 1.0 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.59.pow. Drowned by noise at 17.0%. 1.35 -SNR with increasing percentage 1.30 1.25 ¥ 1.20 -1.15 1.10 1.05

60

Percent of data used

80

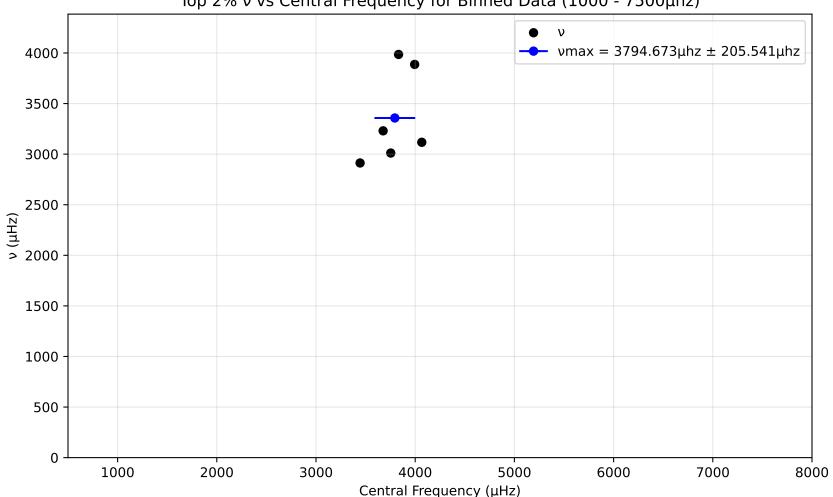
100

40

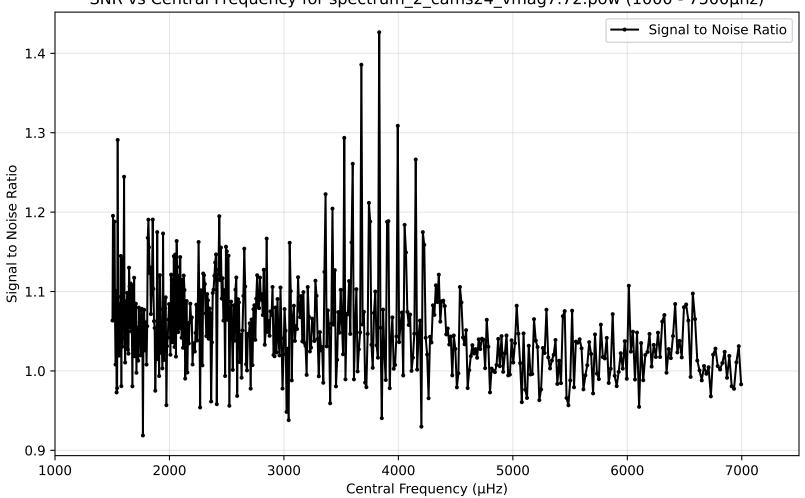
20

ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

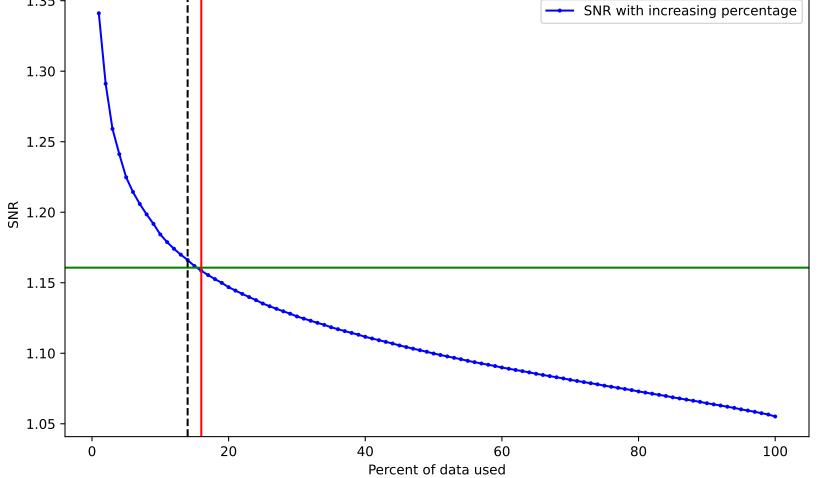
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.72.pow (1000 - 7500µhz)



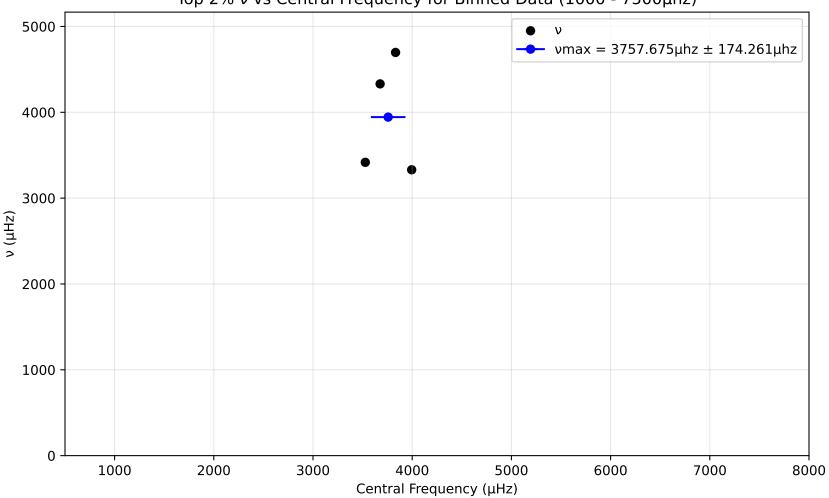
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.72.pow. Drowned by noise at 16.0%. 1.35 -SNR with increasing percentage



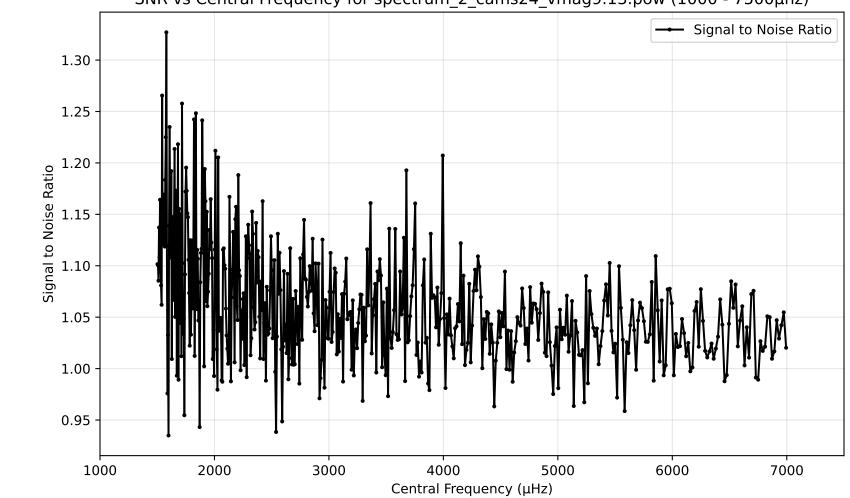
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

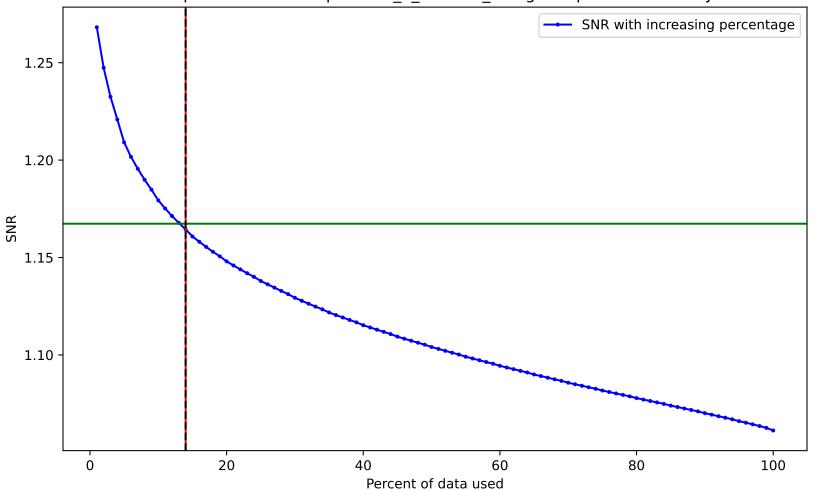
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



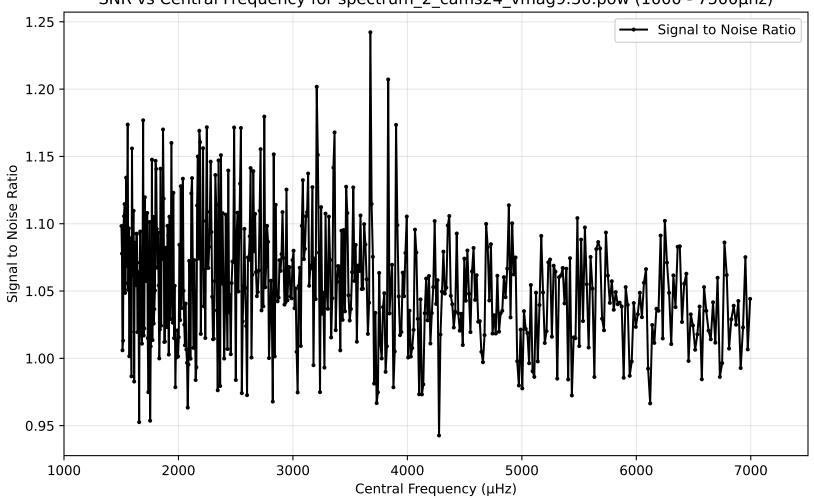
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag9.13.pow (1000 - 7500µhz)



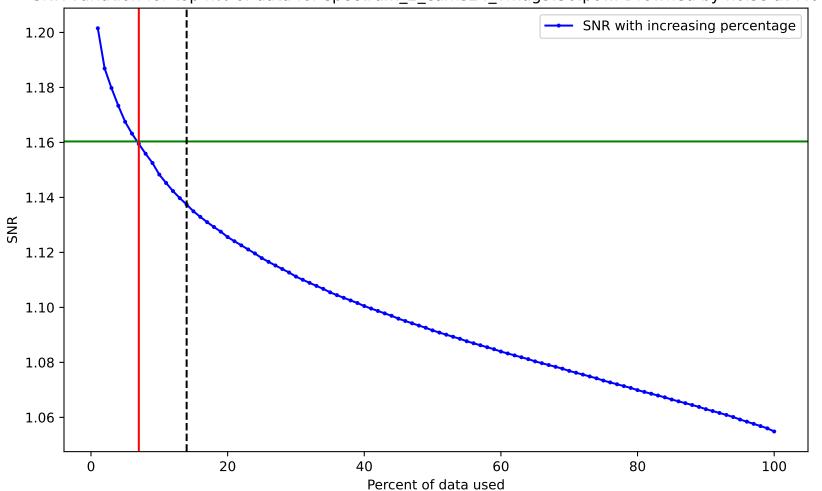
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag9.13.pow. Drowned by noise at 14.0%.



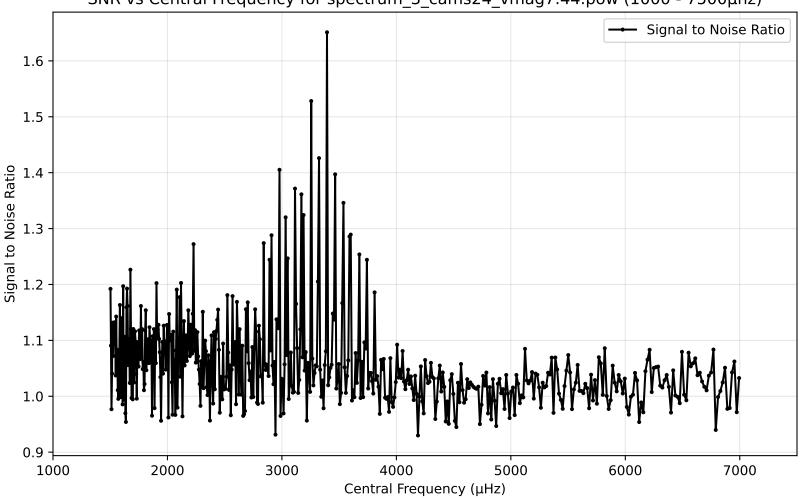
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag9.30.pow (1000 - 7500µhz)



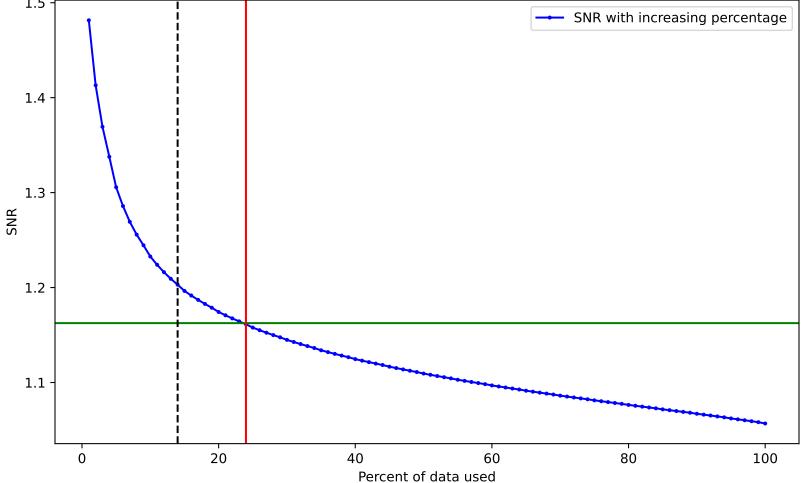
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag9.30.pow. Drowned by noise at 7.0%.

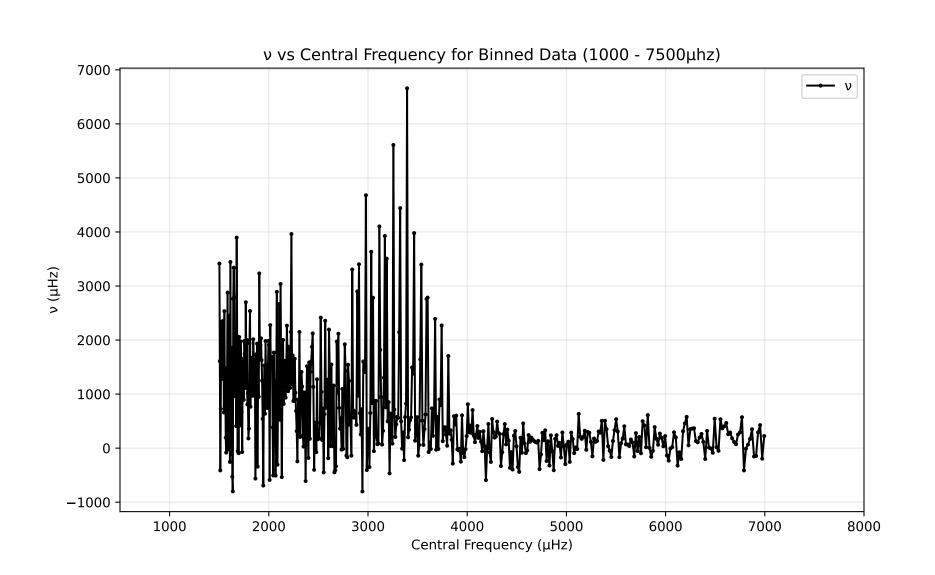


SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.44.pow (1000 - 7500µhz)

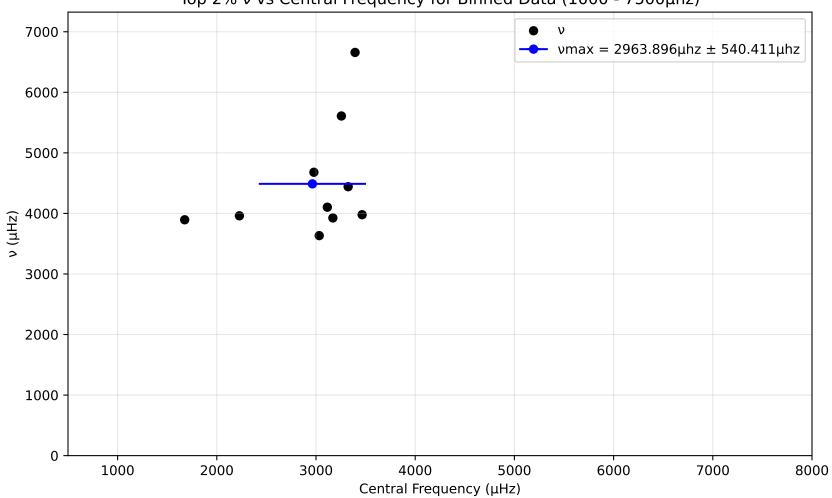


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.44.pow. Drowned by noise at 24.0%. SNR with increasing percentage

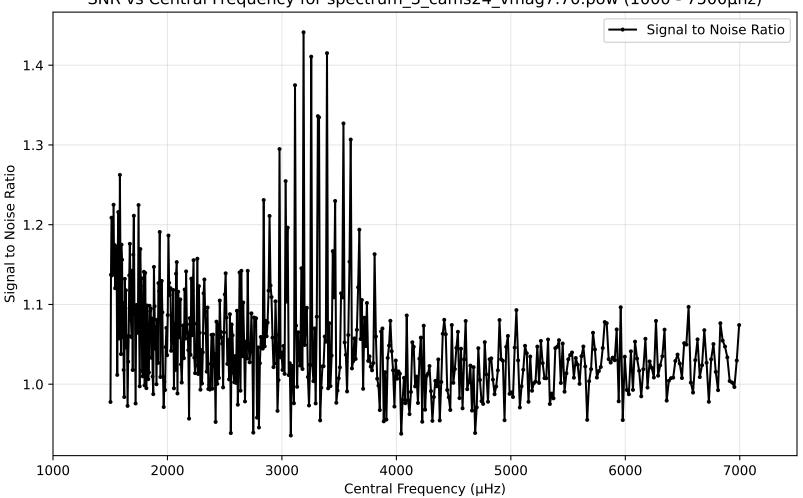




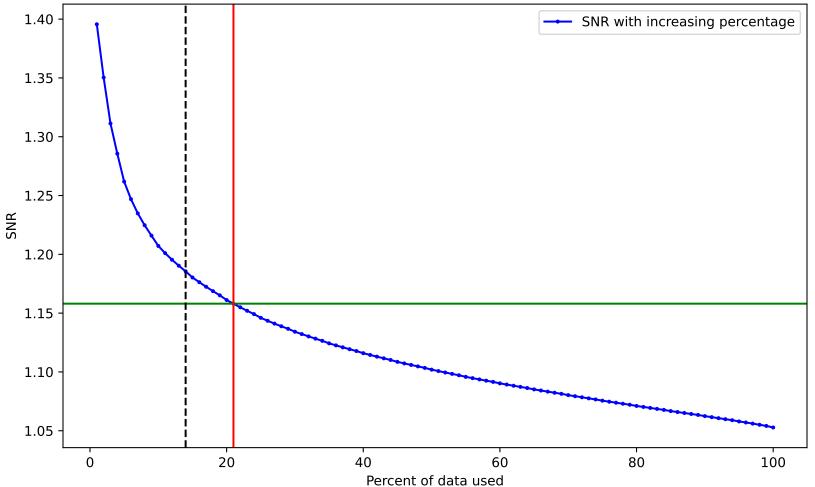
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.70.pow (1000 - 7500µhz)

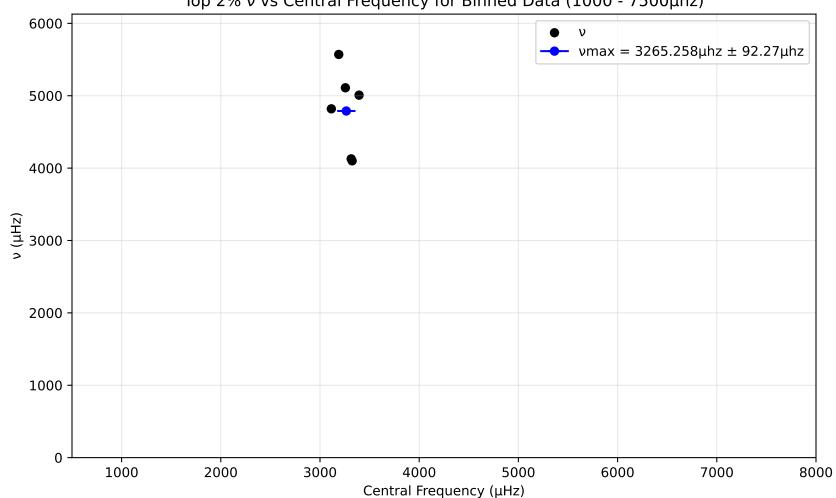


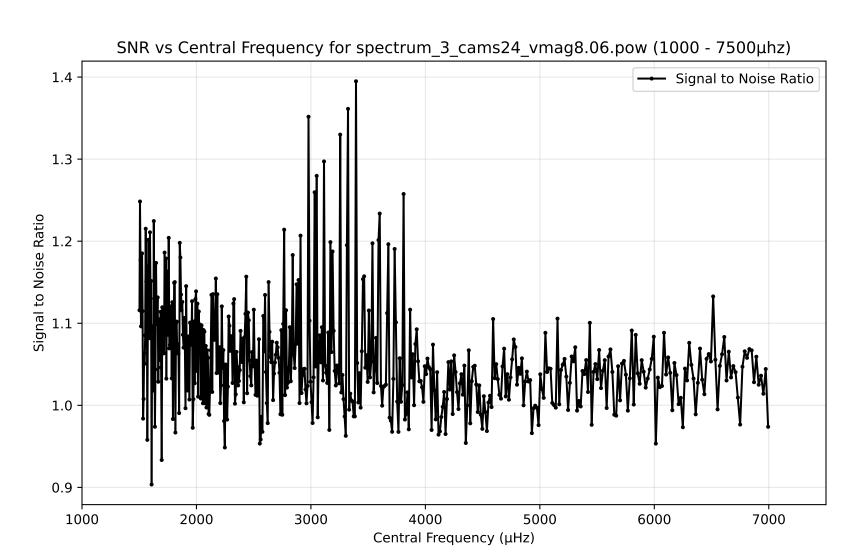
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.70.pow. Drowned by noise at 21.0%.



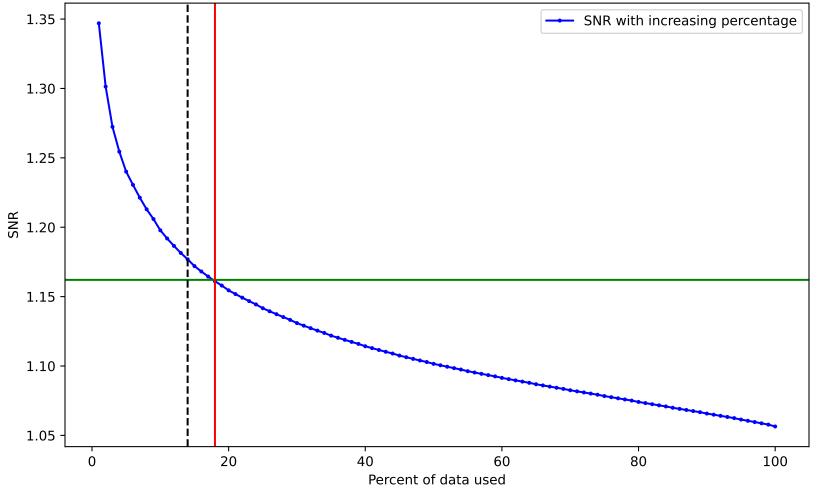
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



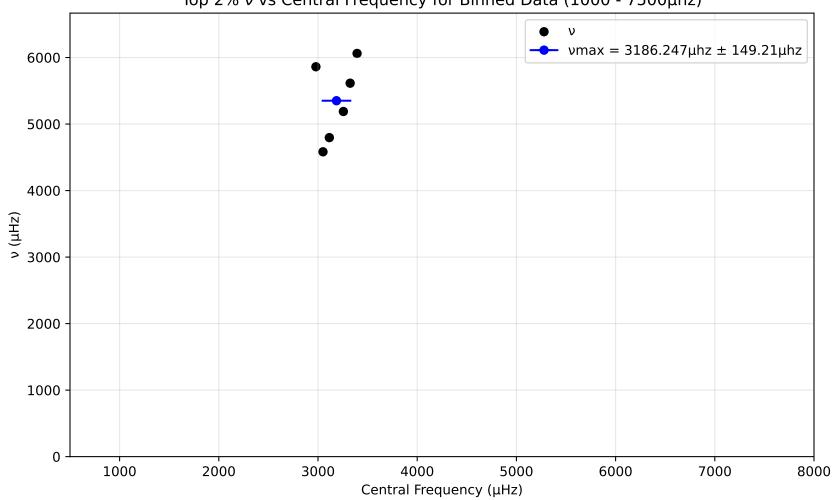


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag8.06.pow. Drowned by noise at 18.0%.

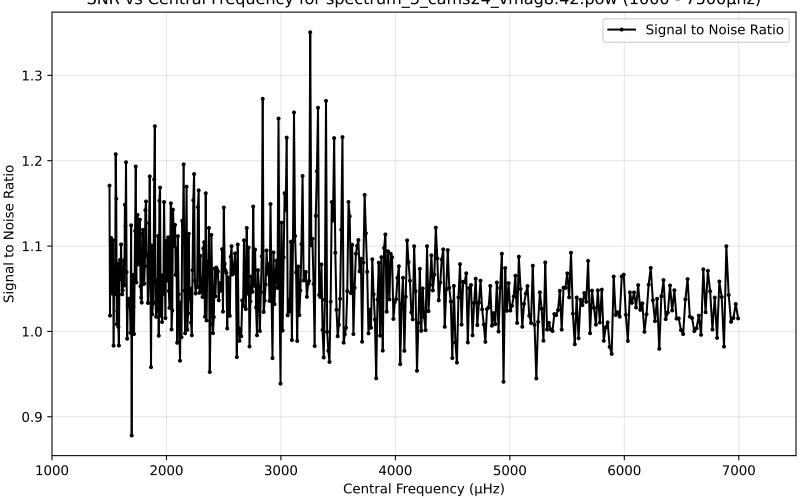


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -2000 Central Frequency (µHz)

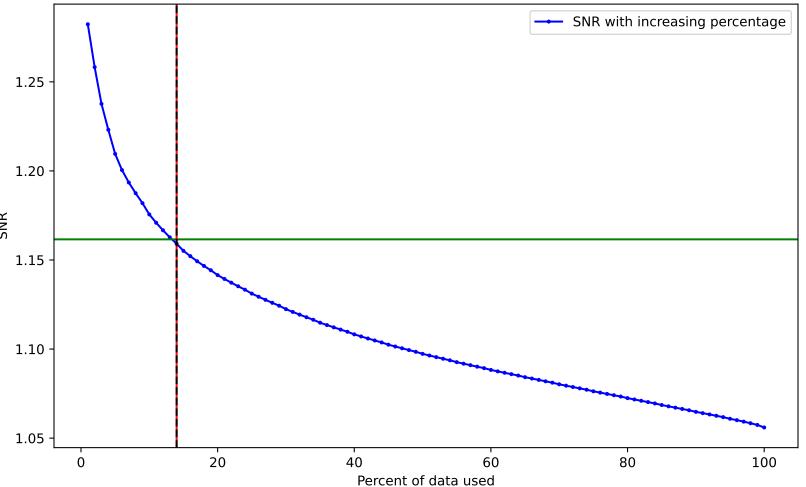
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



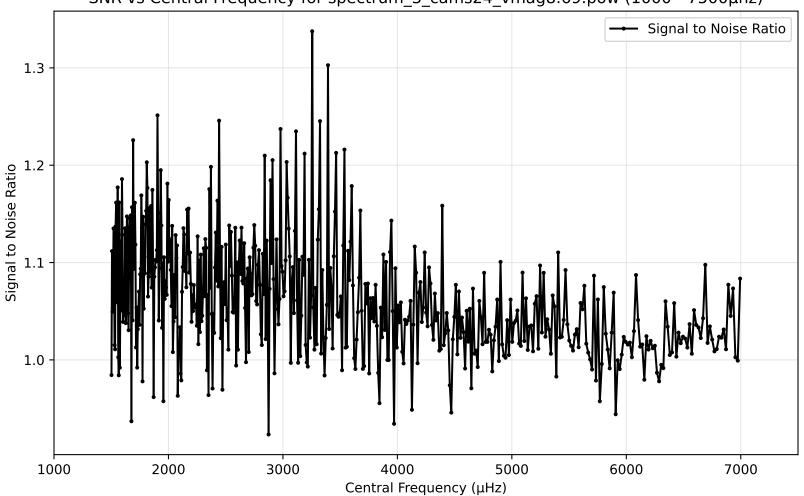
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag8.42.pow (1000 - 7500µhz)



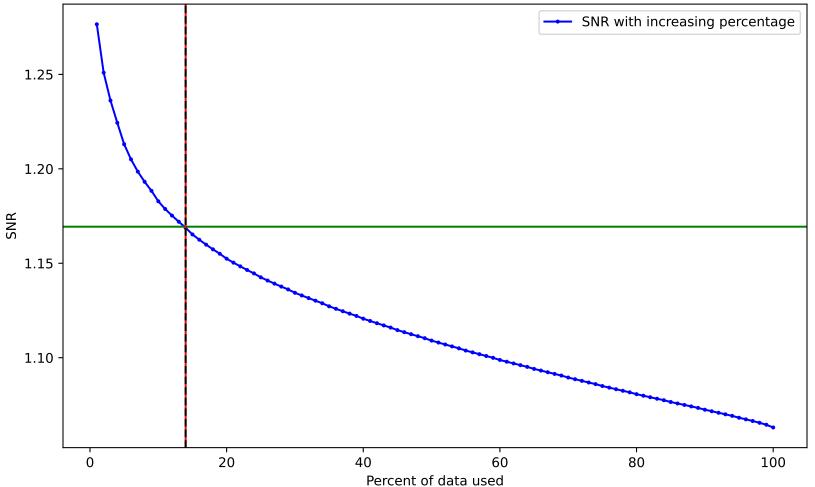
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag8.42.pow. Drowned by noise at 14.0%.

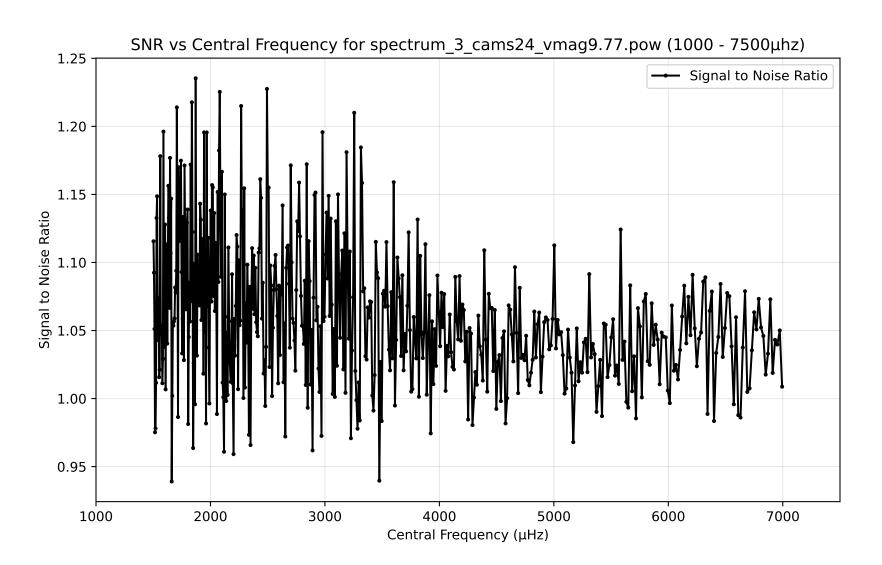


SNR vs Central Frequency for spectrum\_3\_cams24\_vmag8.69.pow (1000 - 7500µhz)

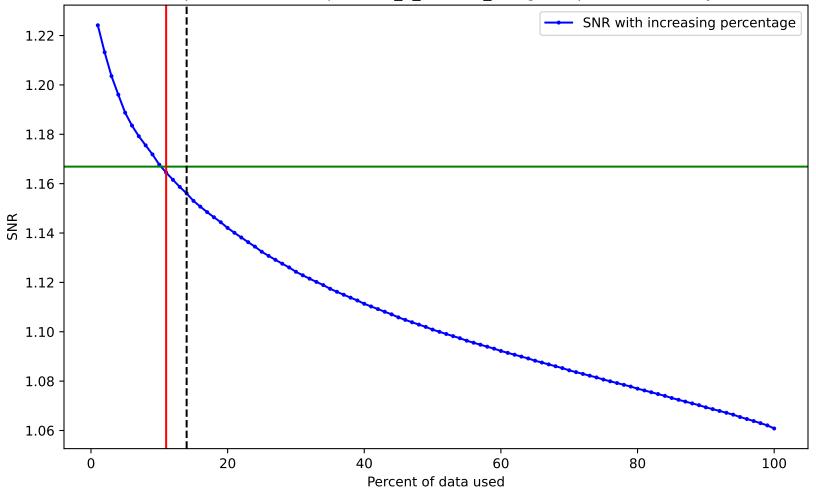


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag8.69.pow. Drowned by noise at 14.0%.

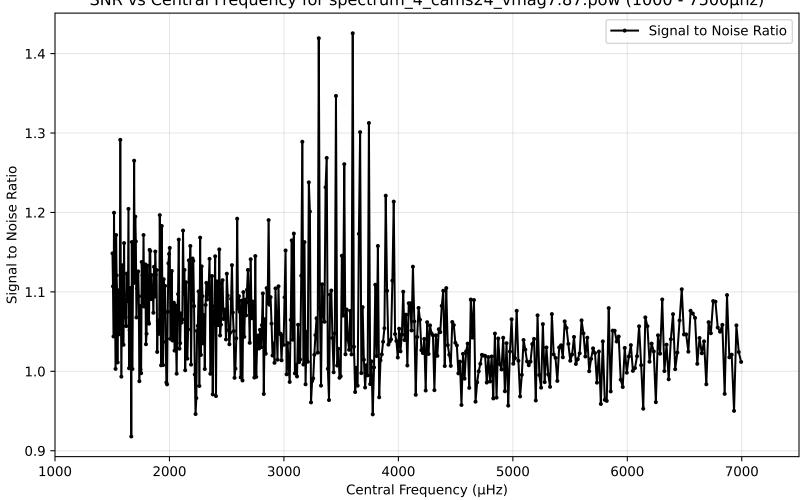




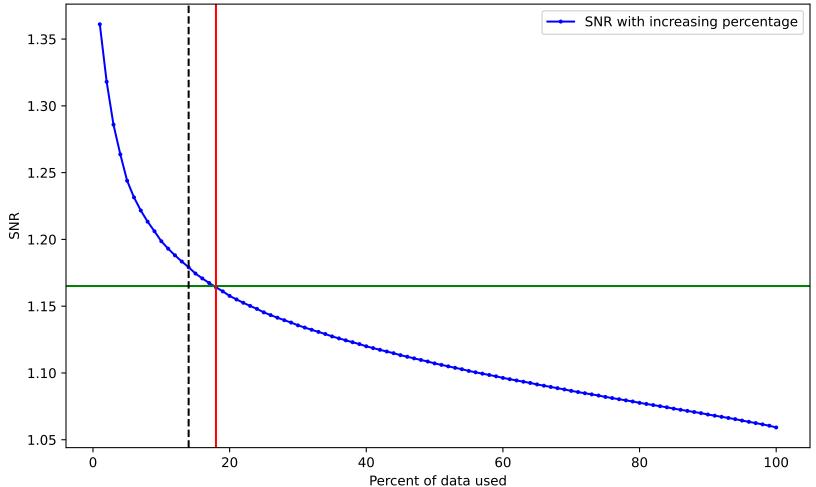
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag9.77.pow. Drowned by noise at 11.0%.



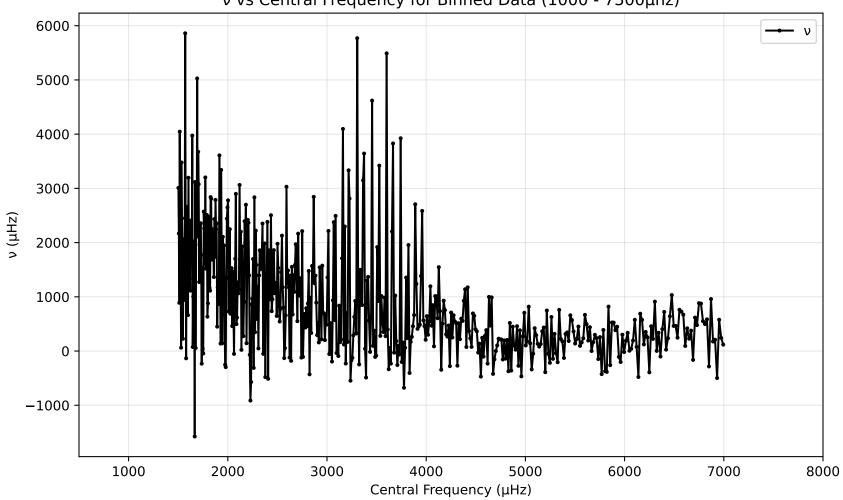
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag7.87.pow (1000 - 7500µhz)



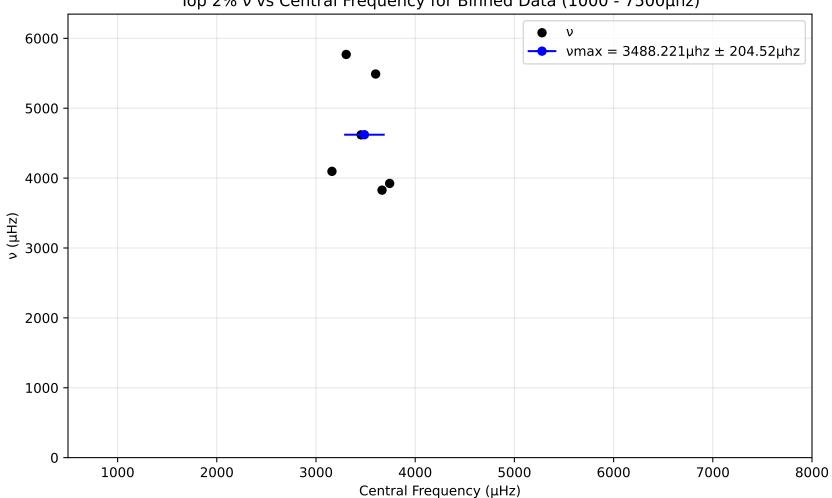
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag7.87.pow. Drowned by noise at 18.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz)



Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



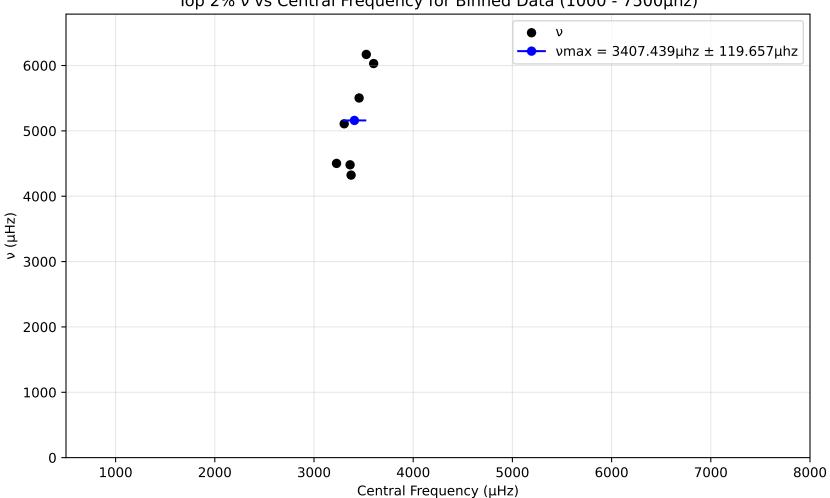
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.16.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.0 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.16.pow. Drowned by noise at 15.0%. SNR with increasing percentage 1.30 1.25 ₩ 1.20 · 1.15 1.10 1.05 20 40 60 80 100

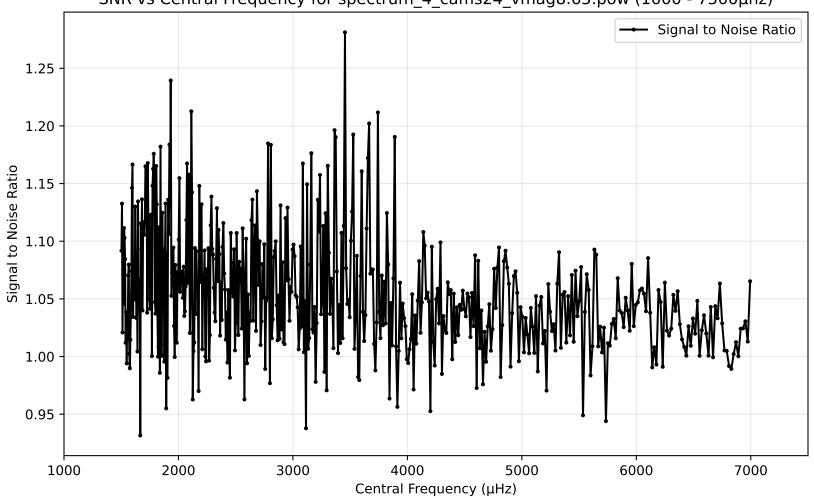
Percent of data used

 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

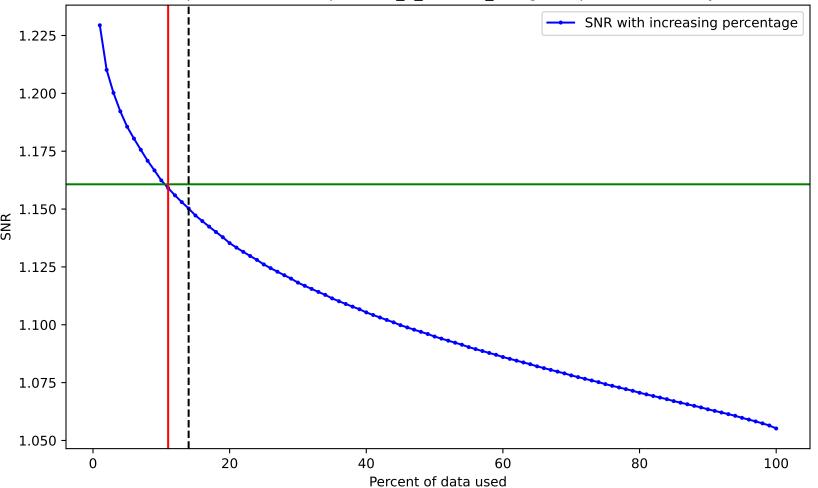
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



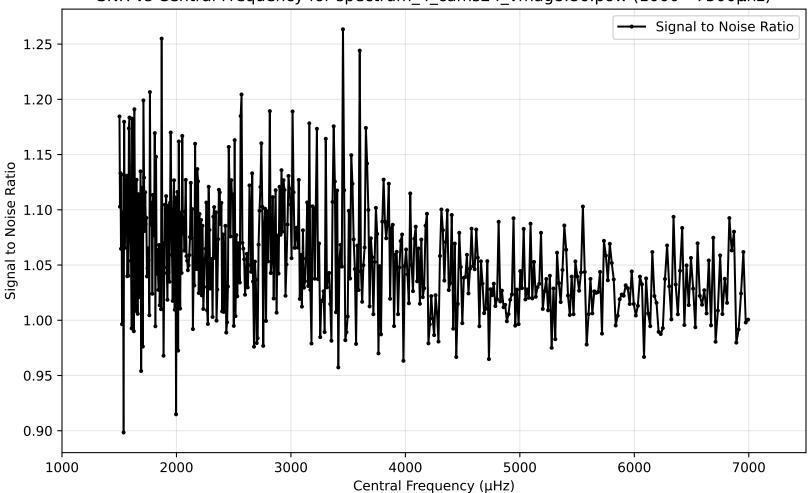
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.65.pow (1000 - 7500µhz)



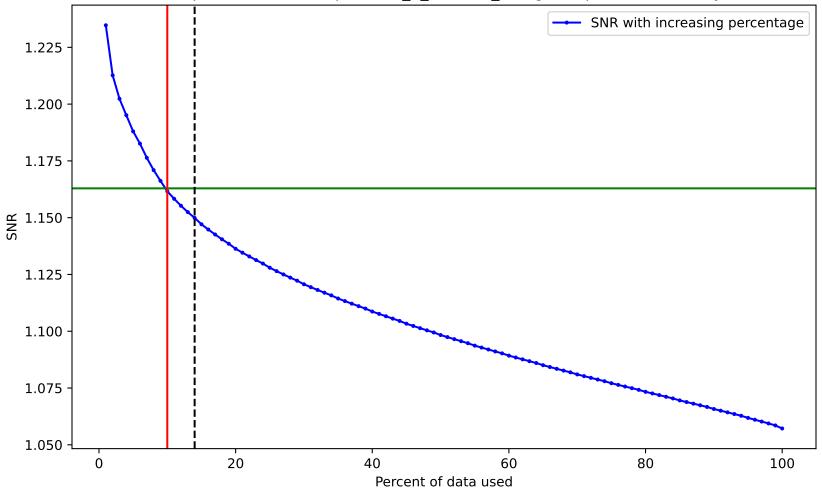
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.65.pow. Drowned by noise at 11.0%.



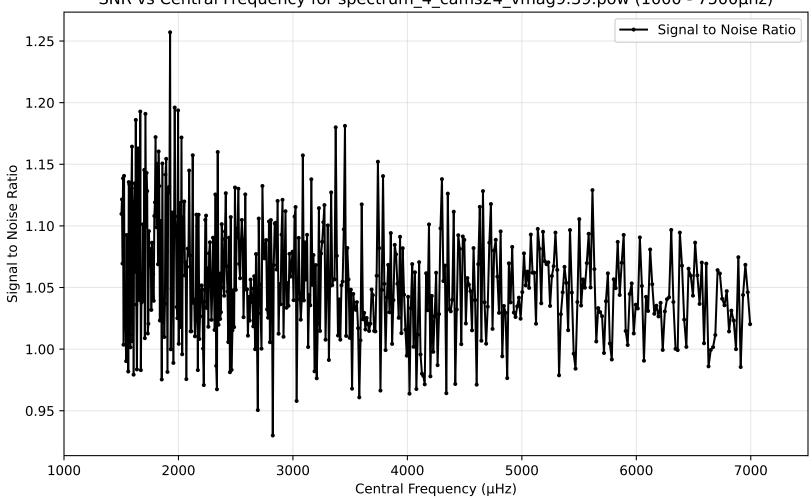
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.86.pow (1000 - 7500µhz)



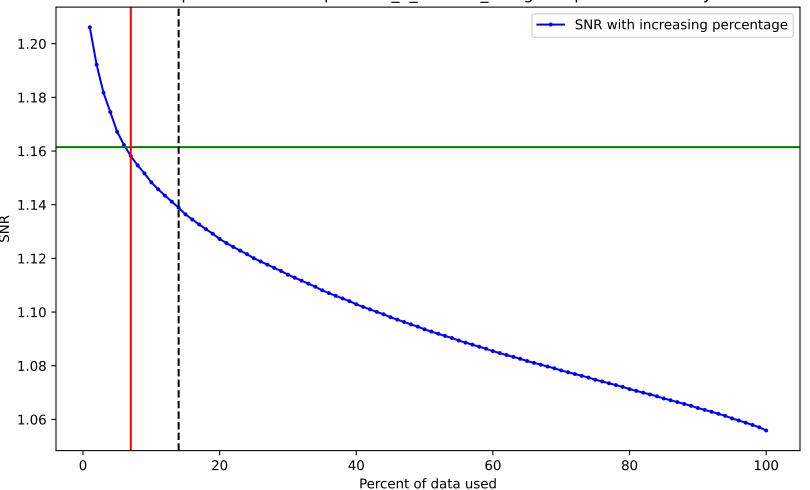
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.86.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_4\_cams24\_vmag9.39.pow (1000 - 7500µhz)

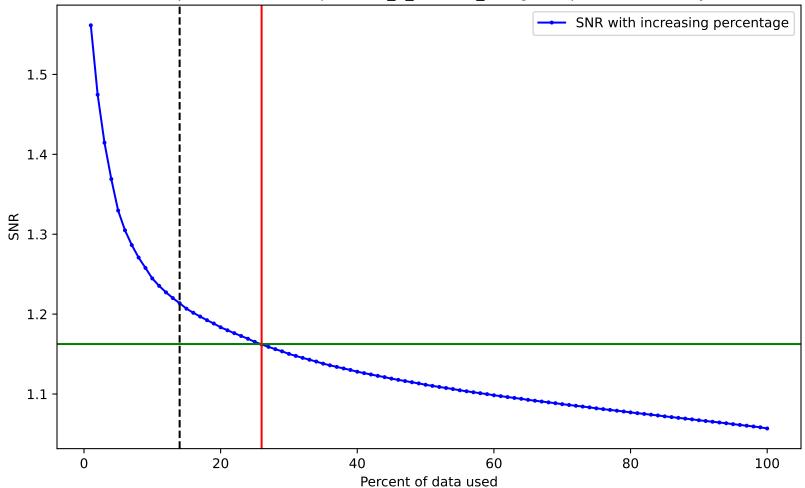


SNR variation for top n% of data for spectrum\_4\_cams24\_vmag9.39.pow. Drowned by noise at 7.0%.



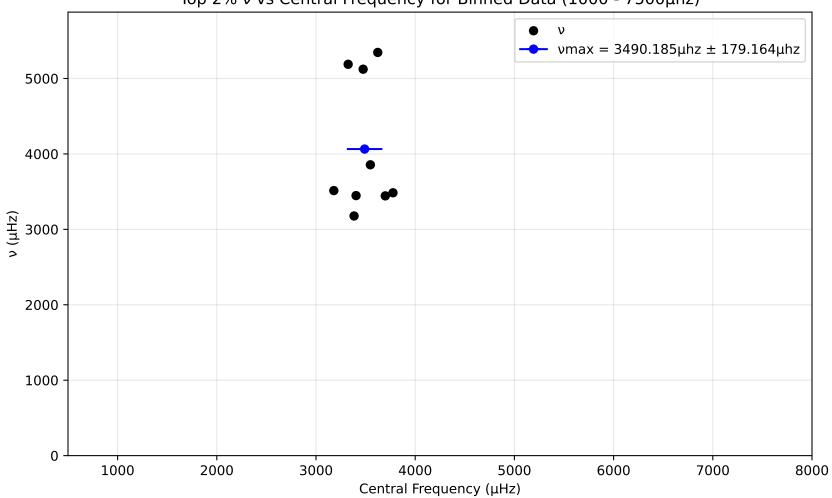
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag7.10.pow (1000 - 7500µhz) 1.7 Signal to Noise Ratio 1.6 1.5 Signal to Noise Ratio 1.4 1.3 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_5\_cams24\_vmag7.10.pow. Drowned by noise at 26.0%.

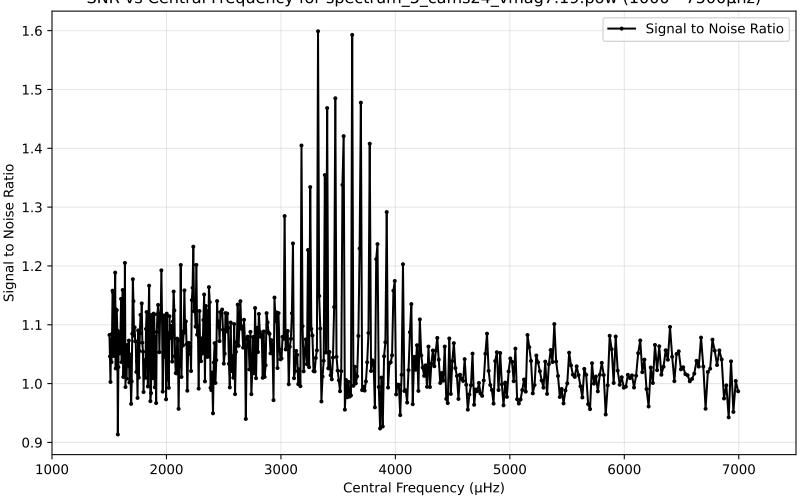


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

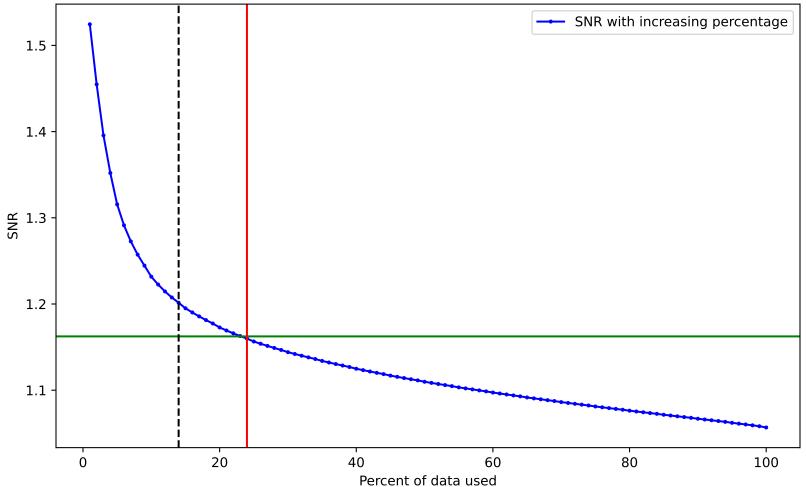
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



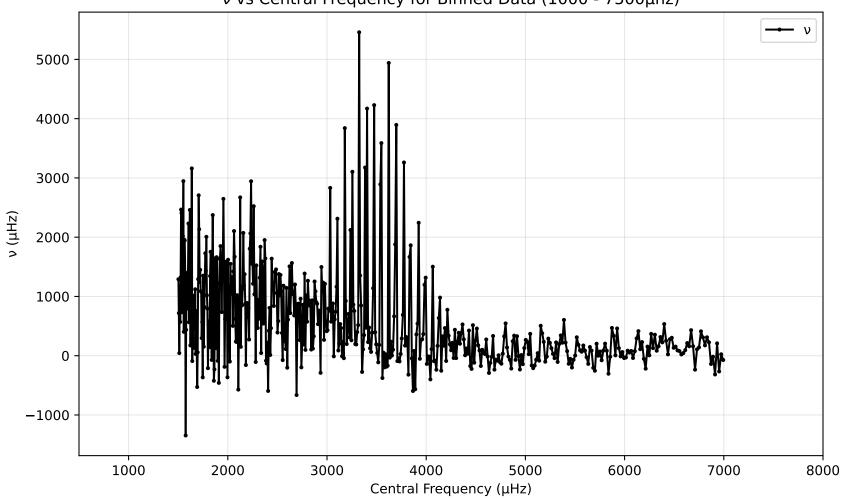
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag7.19.pow (1000 - 7500µhz)

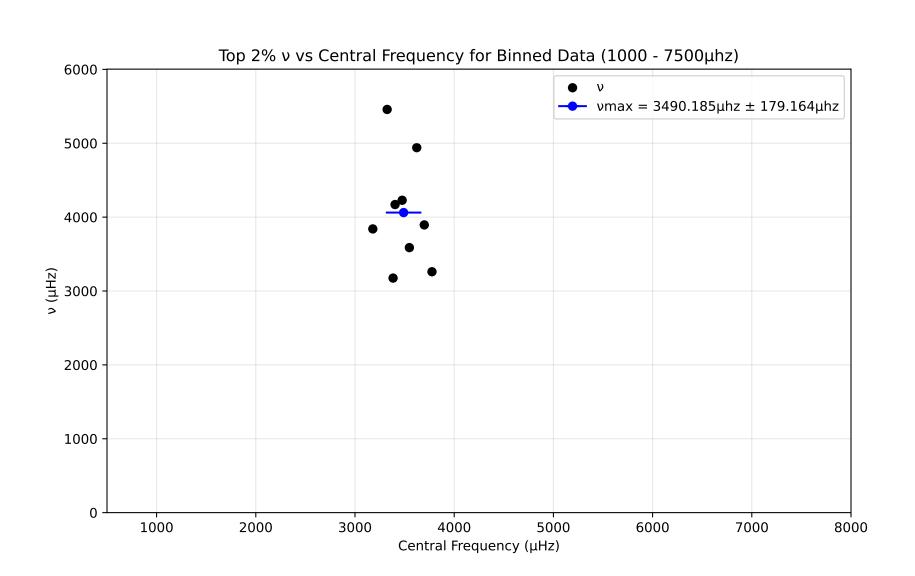


SNR variation for top n% of data for spectrum\_5\_cams24\_vmag7.19.pow. Drowned by noise at 24.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz)

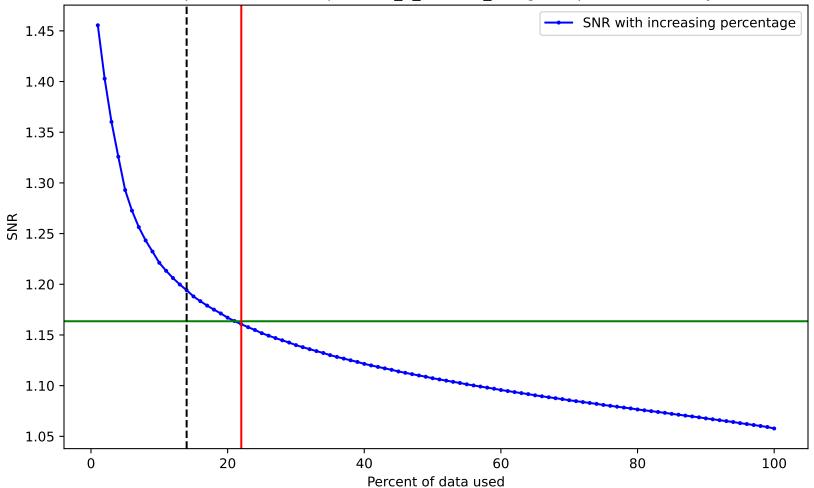




SNR vs Central Frequency for spectrum\_5\_cams24\_vmag7.50.pow (1000 - 7500µhz) 1.6 Signal to Noise Ratio 1.5 1.4 Signal to Noise Ratio 1.3 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

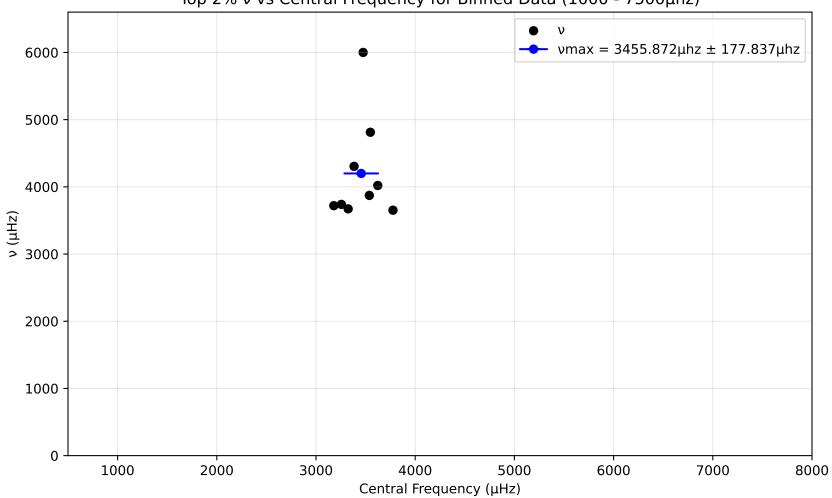
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag7.50.pow. Drowned by noise at 22.0%.



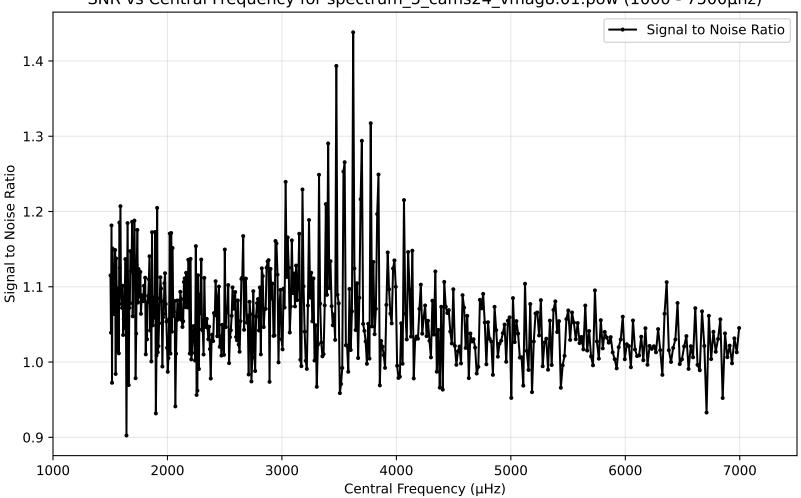
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -

Central Frequency (µHz)

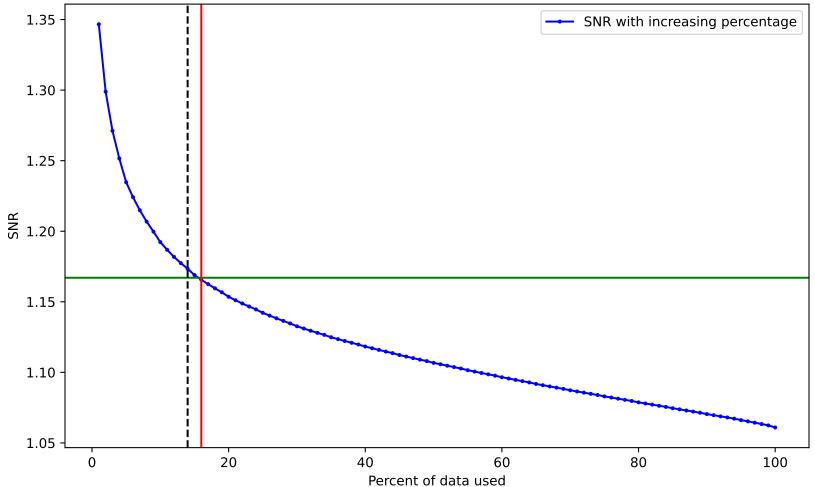
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

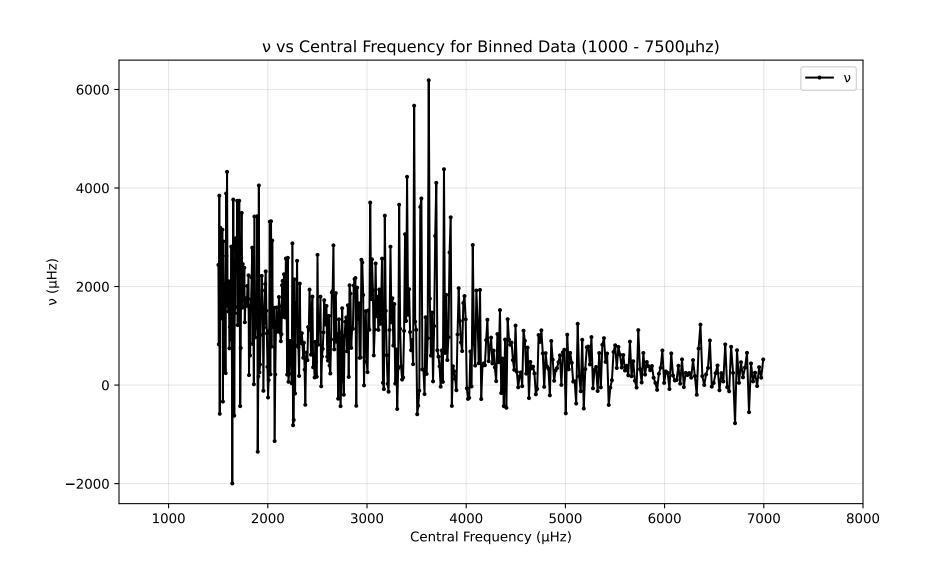


SNR vs Central Frequency for spectrum\_5\_cams24\_vmag8.01.pow (1000 - 7500µhz)

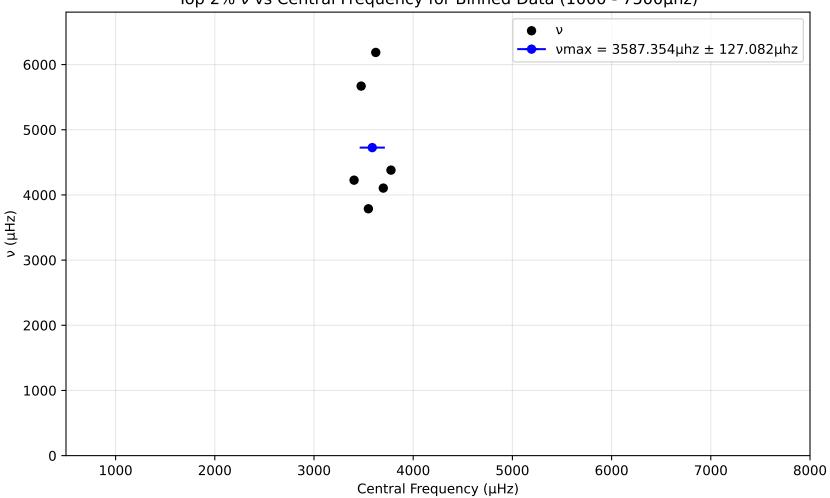


SNR variation for top n% of data for spectrum\_5\_cams24\_vmag8.01.pow. Drowned by noise at 16.0%.

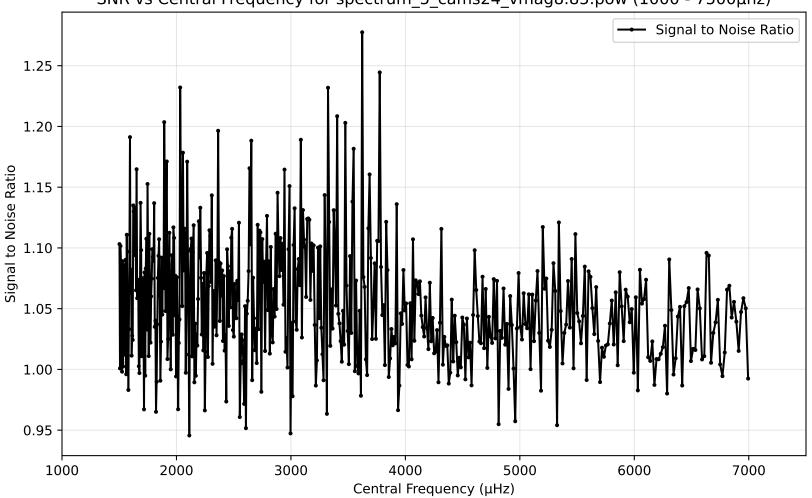




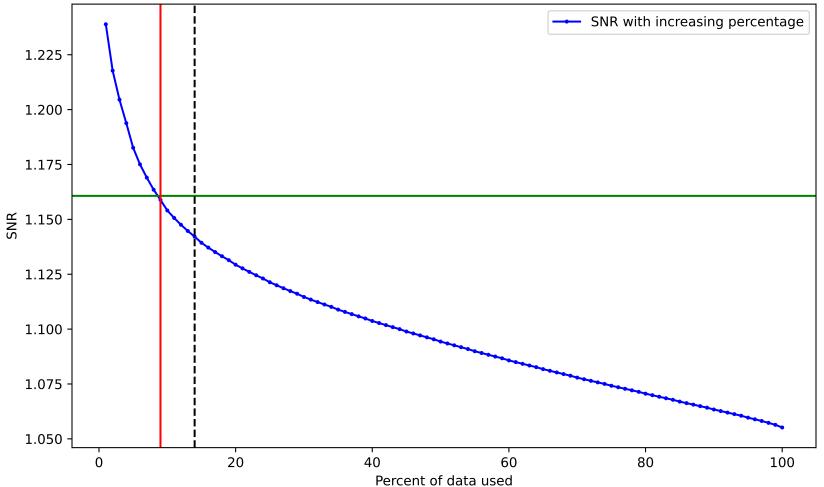
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



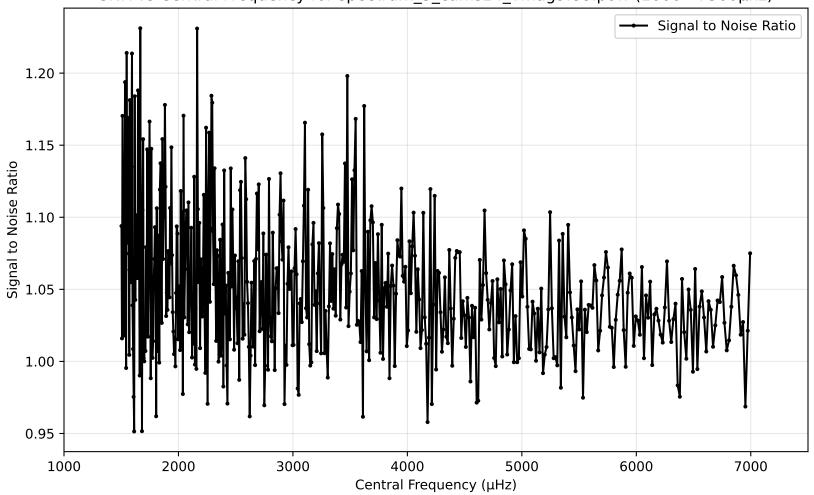
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag8.85.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_5\_cams24\_vmag8.85.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_5\_cams24\_vmag9.88.pow (1000 -  $7500\mu hz$ )



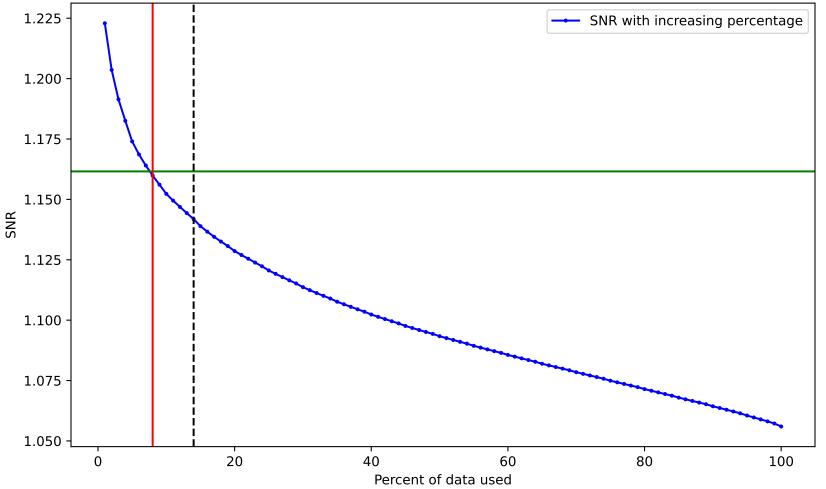
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag9.88.pow. Drowned by noise at 10.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 -1.050 -20 40 60 80 100

Percent of data used

SNR

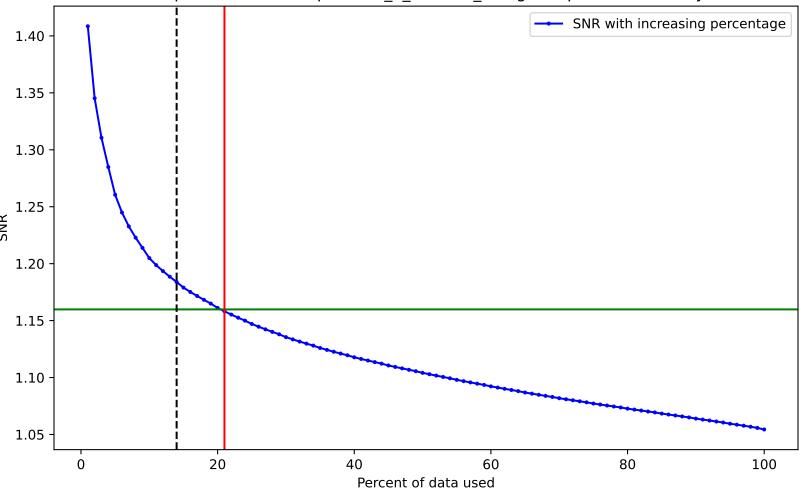
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag10.17.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_6\_cams24\_vmag10.17.pow. Drowned by noise at 8.0%.



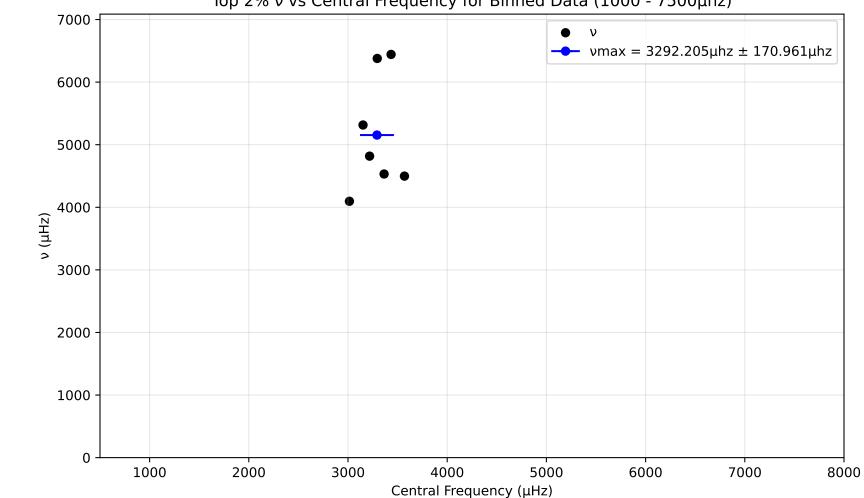
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag7.85.pow (1000 - 7500µhz) 1.5 Signal to Noise Ratio 1.4 Signal to Noise Ratio
7. C.1 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_6\_cams24\_vmag7.85.pow. Drowned by noise at 21.0%.

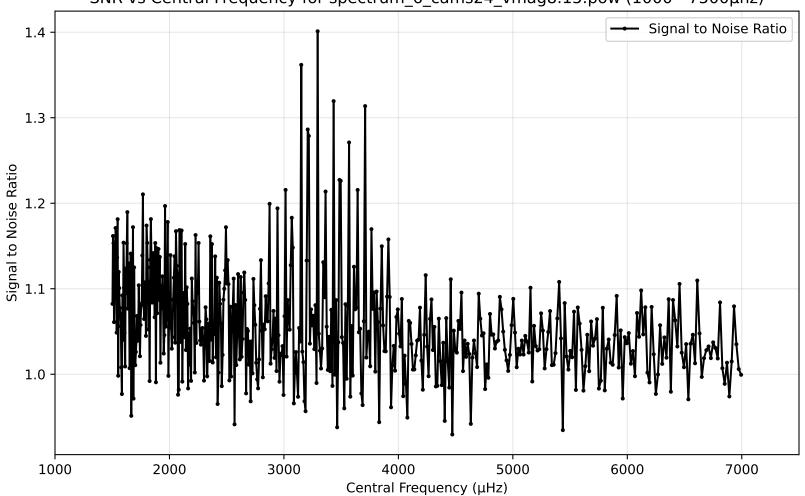


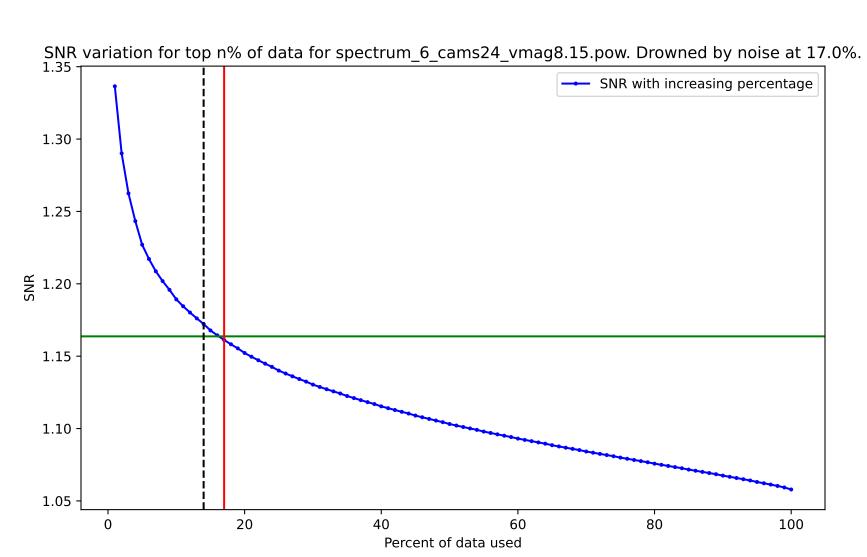
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

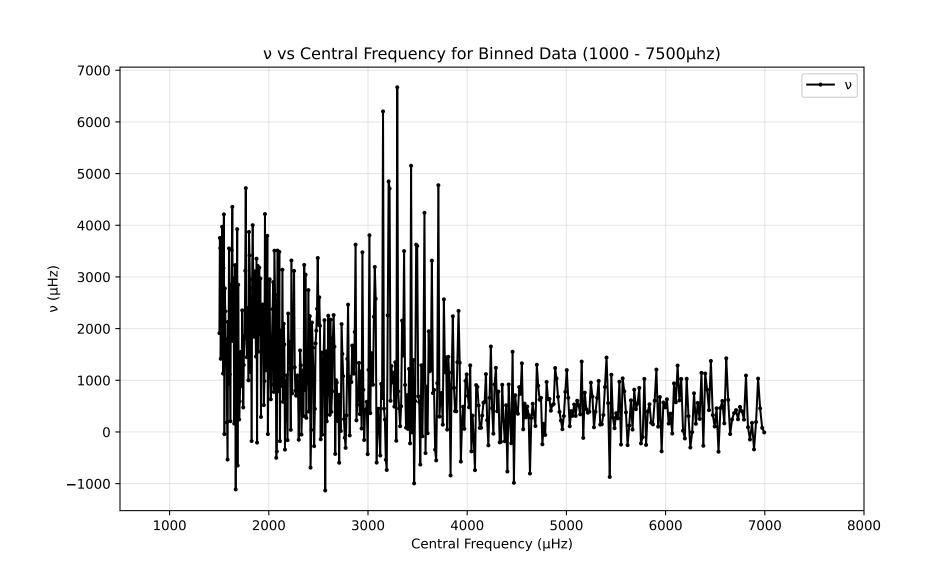
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



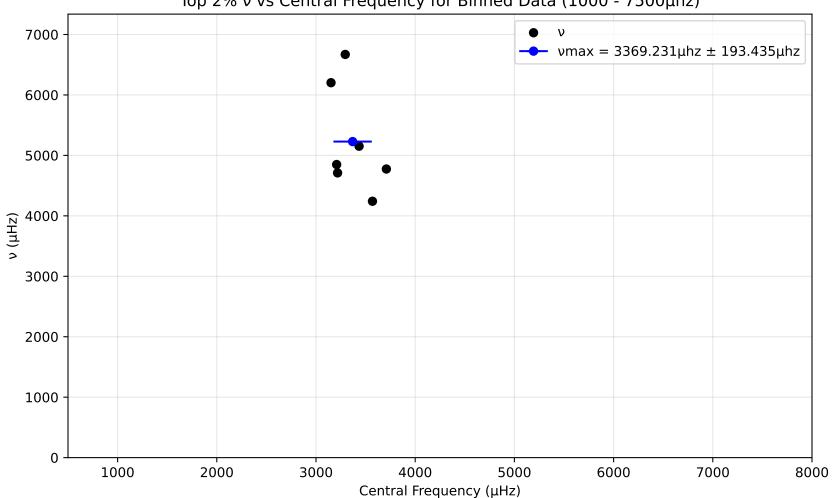
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.15.pow (1000 - 7500µhz)



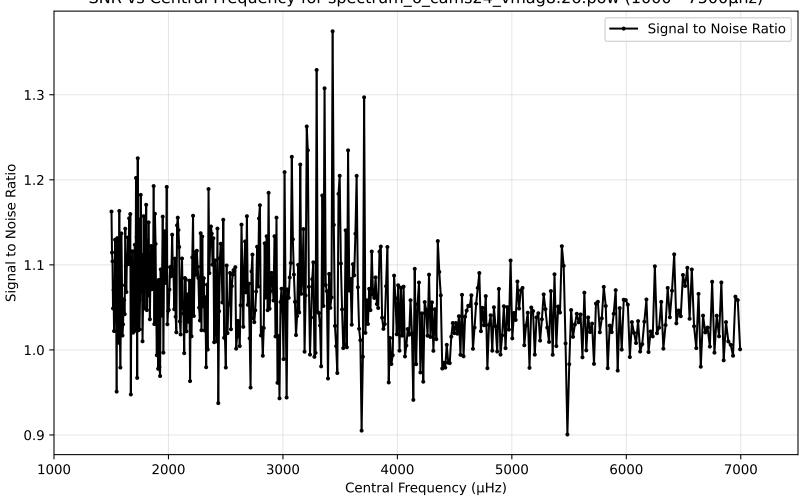




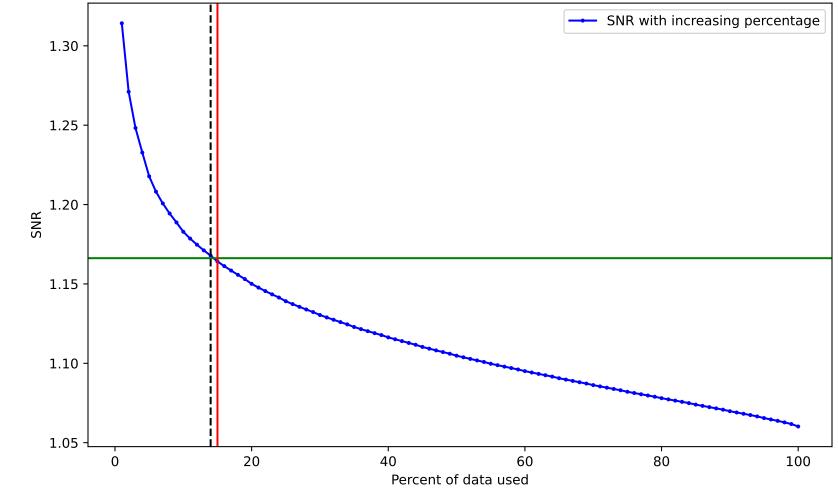
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.26.pow (1000 - 7500µhz)



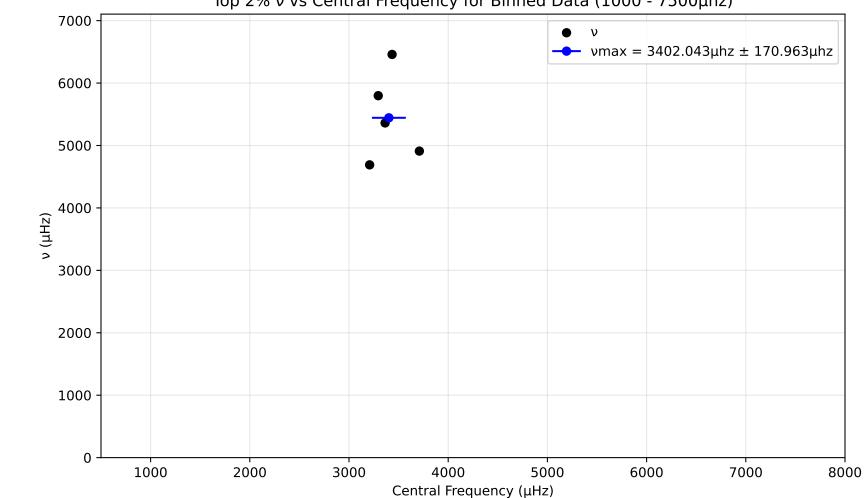
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag8.26.pow. Drowned by noise at 15.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

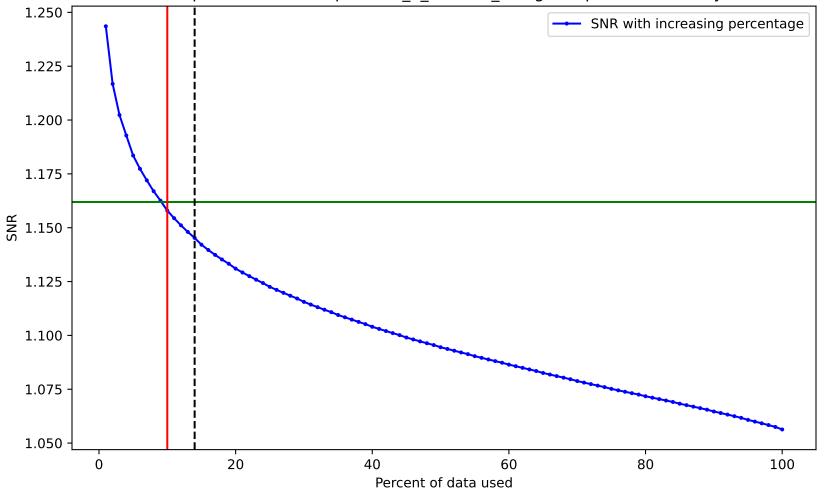
Central Frequency (µHz)

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

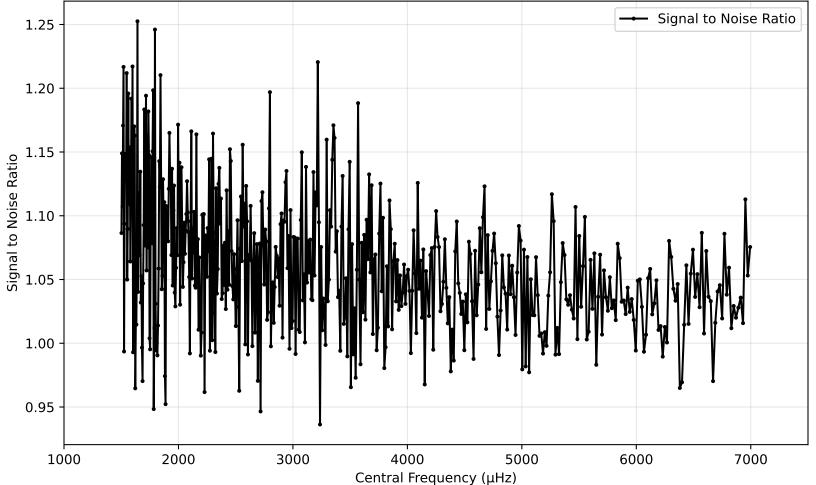


SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.05.pow (1000 - 7500µhz) 1.30 Signal to Noise Ratio 1.25 1.20 Signal to Noise Ratio 1.05 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

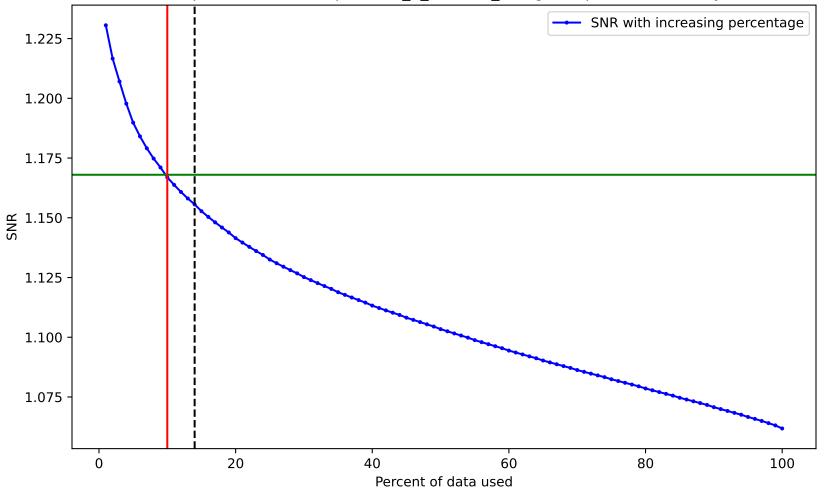
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.05.pow. Drowned by noise at 10.0%.



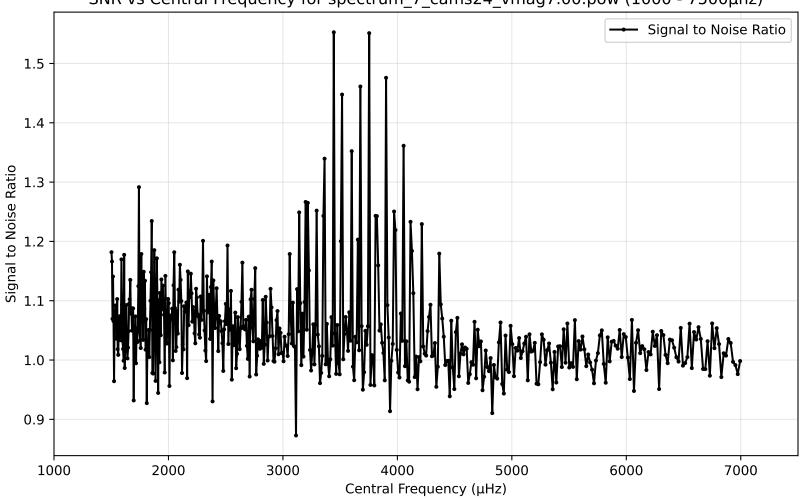
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.51.pow (1000 - 7500µhz)



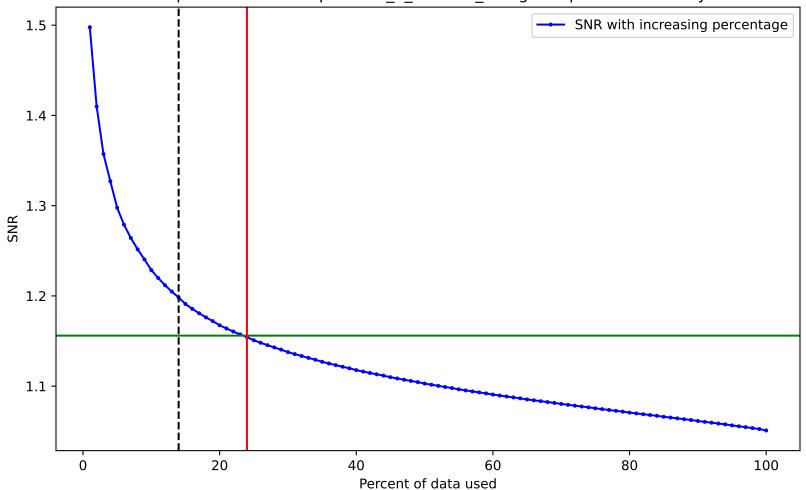
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.51.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag7.00.pow (1000 - 7500µhz)

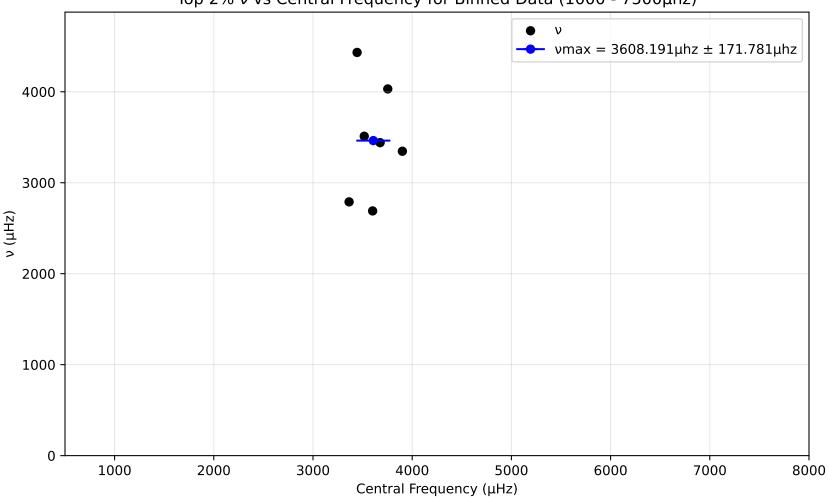


SNR variation for top n% of data for spectrum\_7\_cams24\_vmag7.00.pow. Drowned by noise at 24.0%.



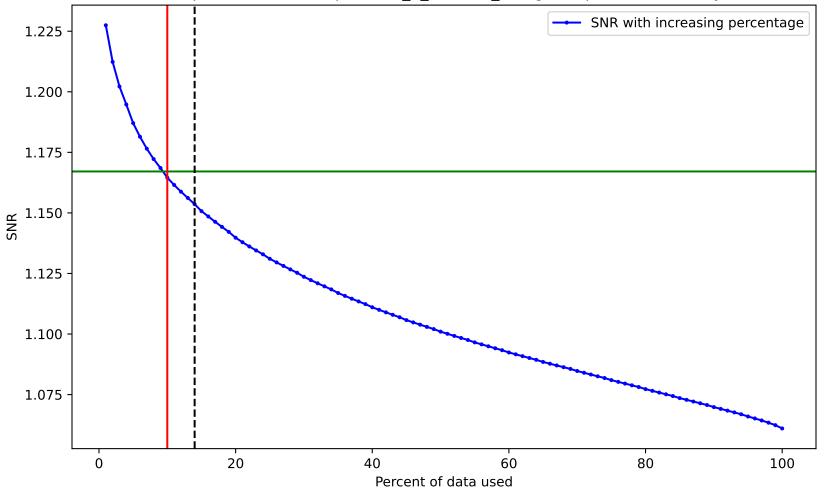
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000

Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

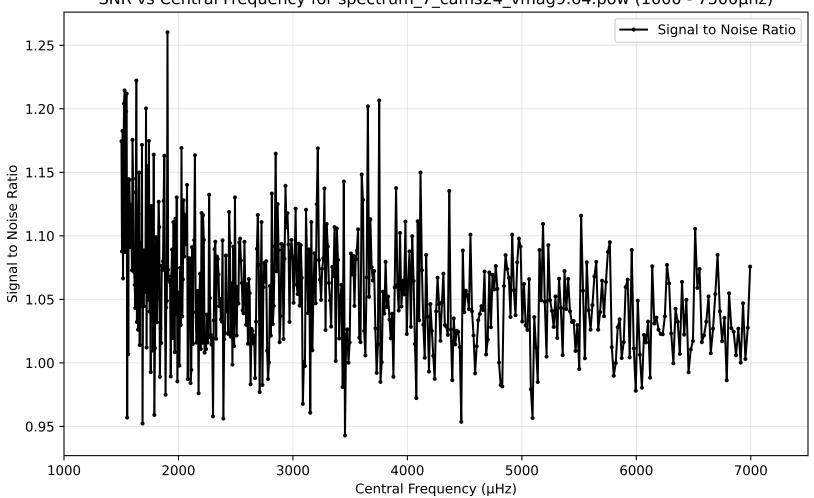


SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.37.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

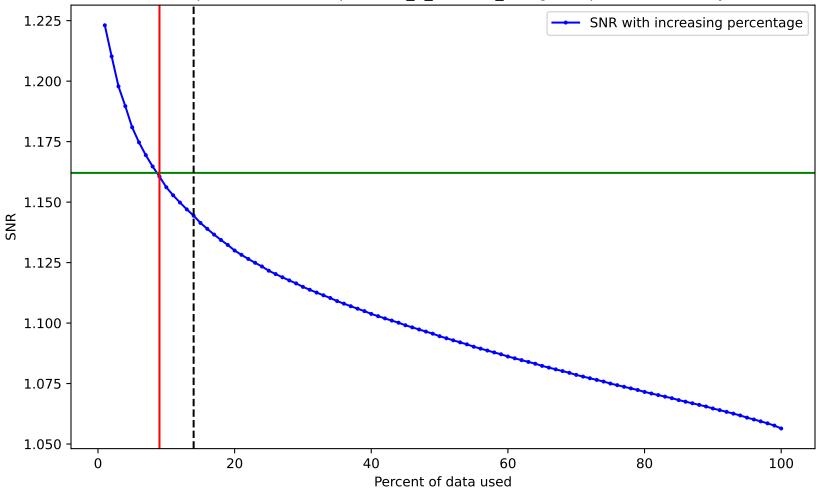
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.37.pow. Drowned by noise at 10.0%.



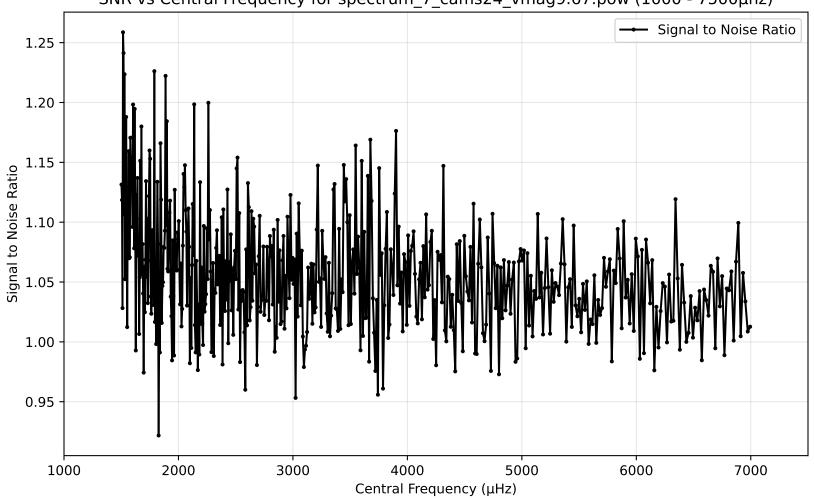
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.64.pow (1000 - 7500µhz)



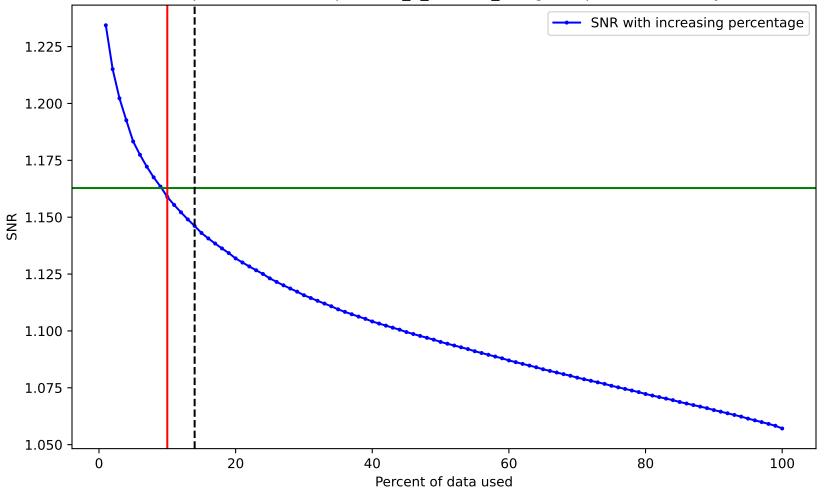
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.64.pow. Drowned by noise at 9.0%.



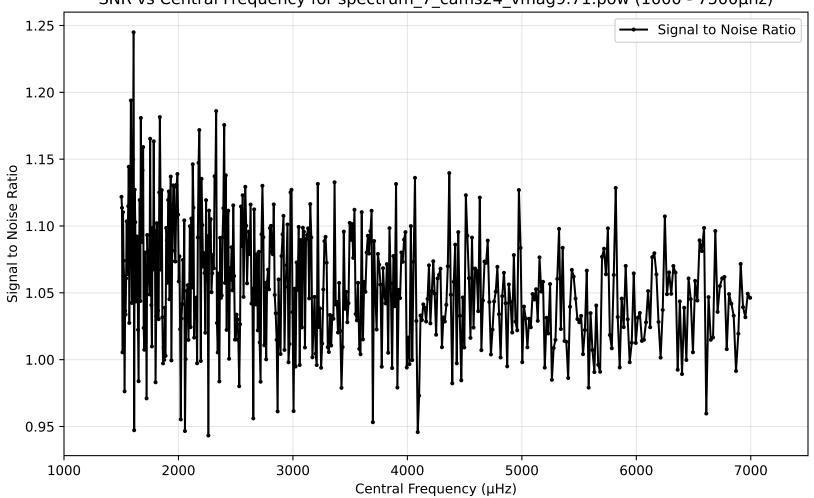
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.67.pow (1000 - 7500µhz)



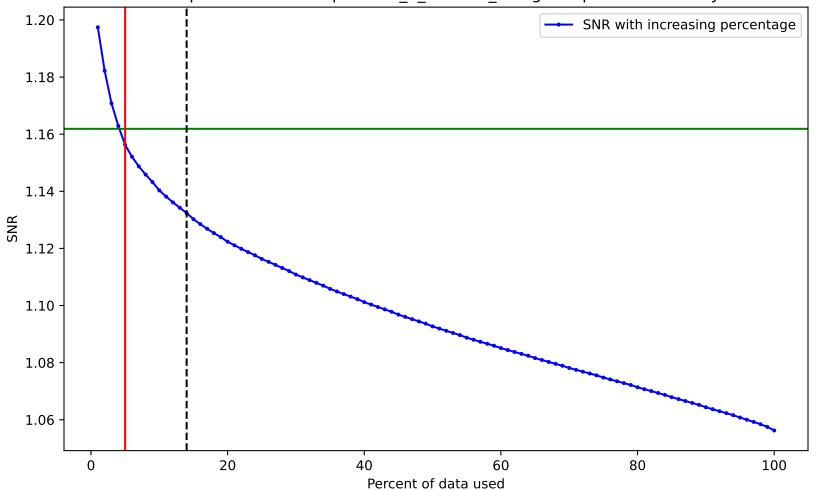
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.67.pow. Drowned by noise at 10.0%.



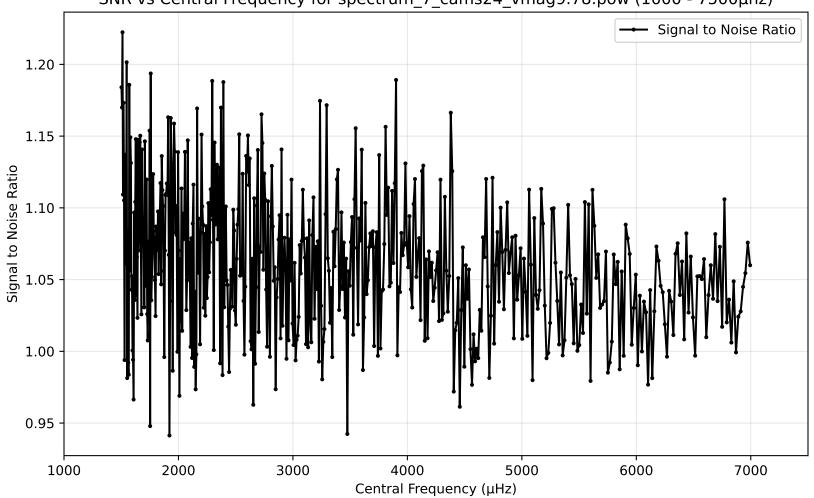
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.71.pow (1000 - 7500µhz)



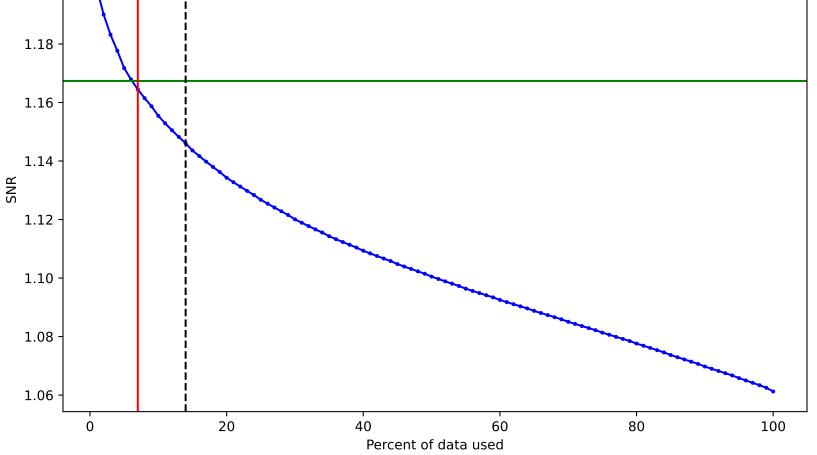
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.71.pow. Drowned by noise at 5.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.78.pow (1000 - 7500µhz)

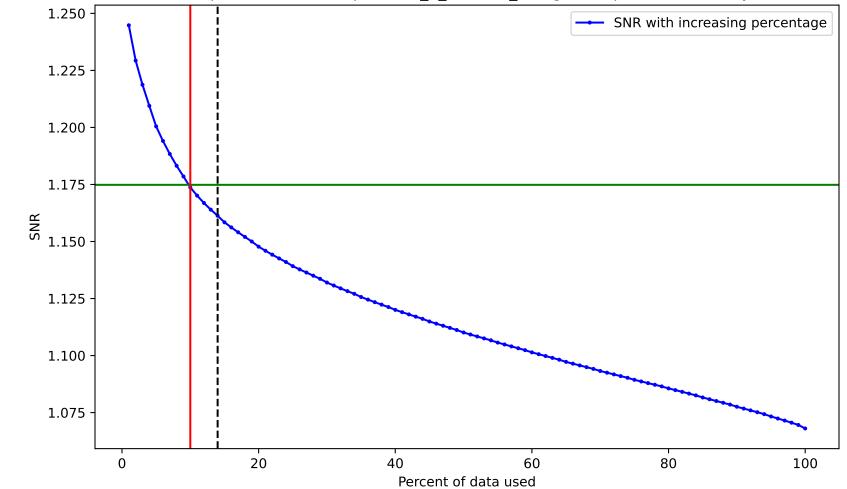


SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.78.pow. Drowned by noise at 7.0%. SNR with increasing percentage 1.20 -1.18 1.16 -1.14 1.12



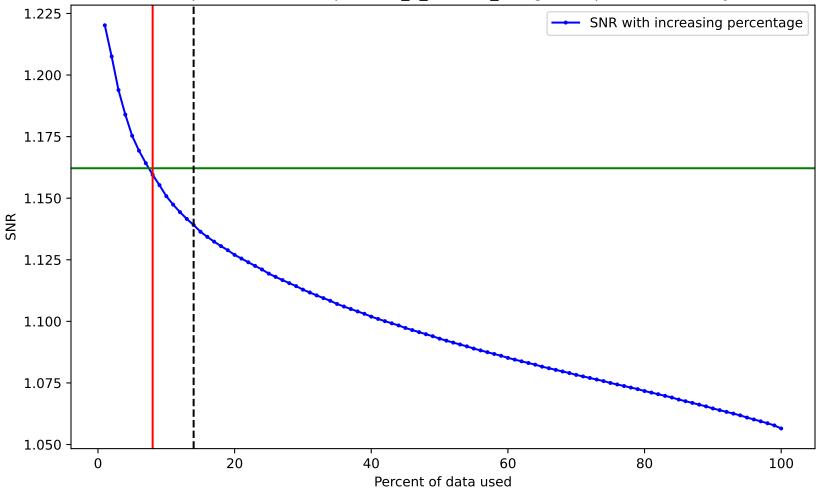
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag10.03.pow (1000 - 7500µhz) 1.3 Signal to Noise Ratio 1.2 Signal to Noise Ratio 1.1 1.0 0.9 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_8\_cams24\_vmag10.03.pow. Drowned by noise at 10.0%.



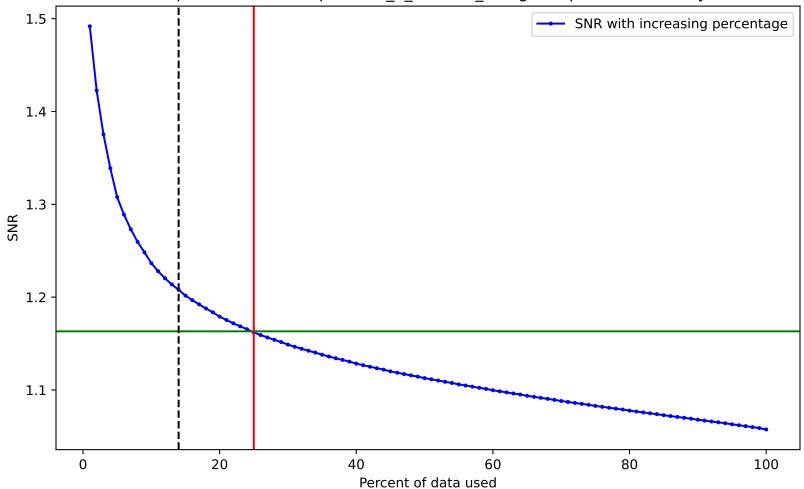
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag10.04.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_8\_cams24\_vmag10.04.pow. Drowned by noise at 8.0%.

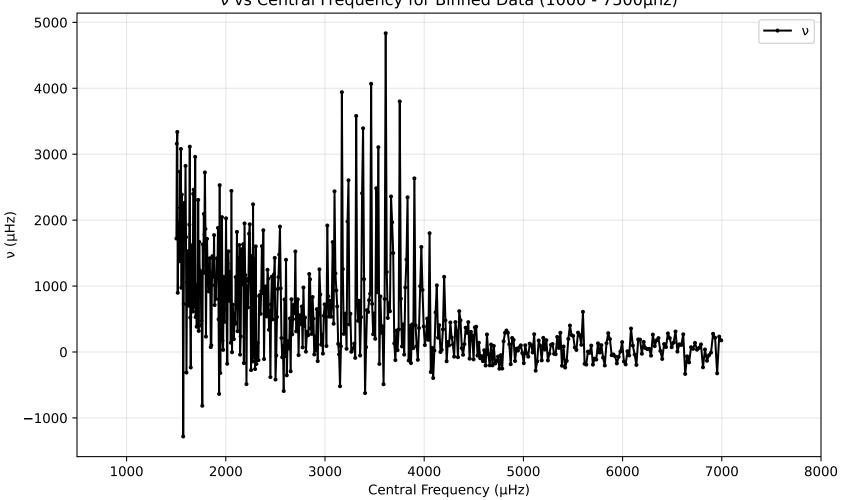


SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.09.pow (1000 - 7500µhz) Signal to Noise Ratio 1.6 1.5 1.4 Signal to Noise Ratio 1.3 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

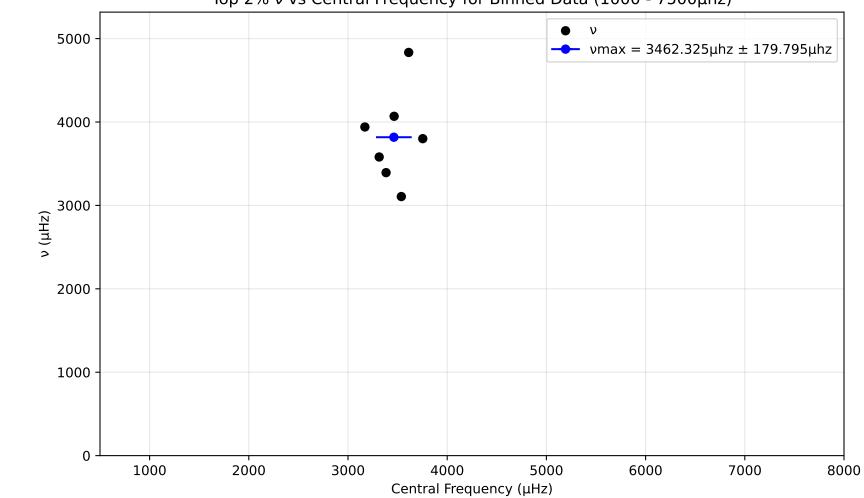
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.09.pow. Drowned by noise at 25.0%.



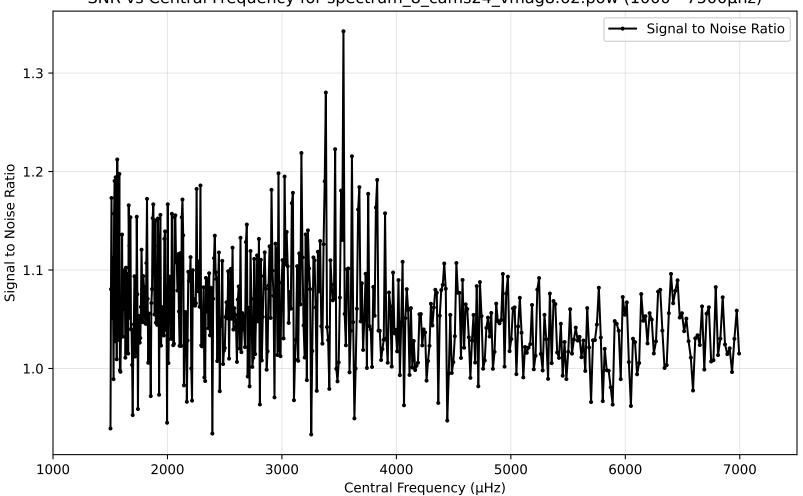
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



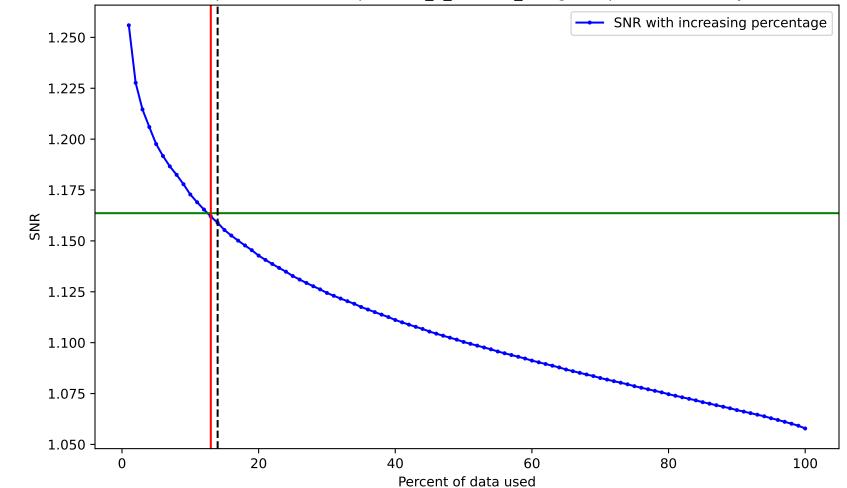
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



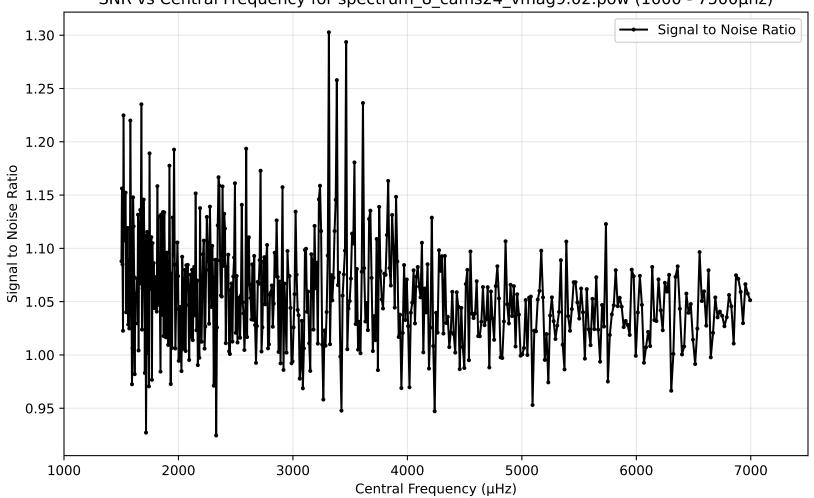
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag8.62.pow (1000 - 7500µhz)



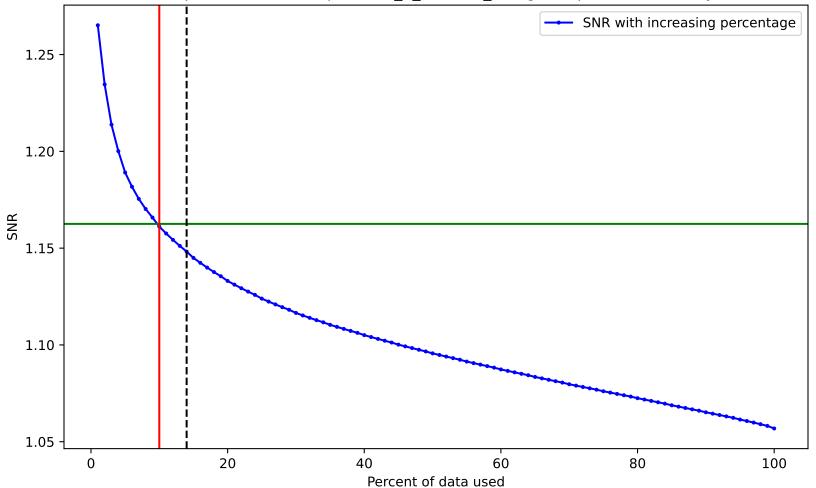
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag8.62.pow. Drowned by noise at 13.0%.



SNR vs Central Frequency for spectrum\_8\_cams24\_vmag9.02.pow (1000 - 7500µhz)

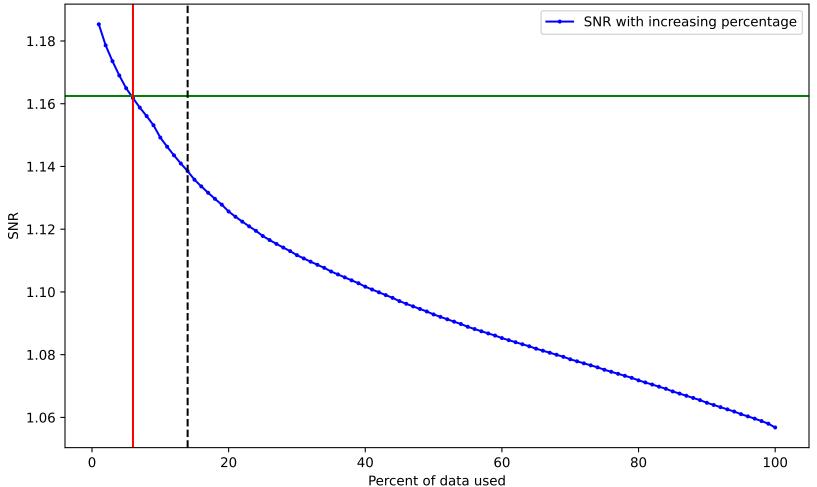


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag9.02.pow. Drowned by noise at 10.0%.

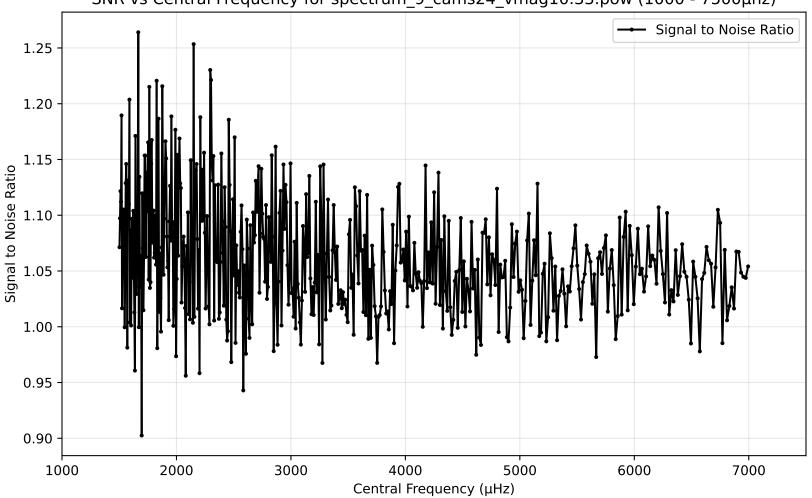


SNR vs Central Frequency for spectrum\_8\_cams24\_vmag9.89.pow (1000 - 7500µhz) 1.20 Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.05 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

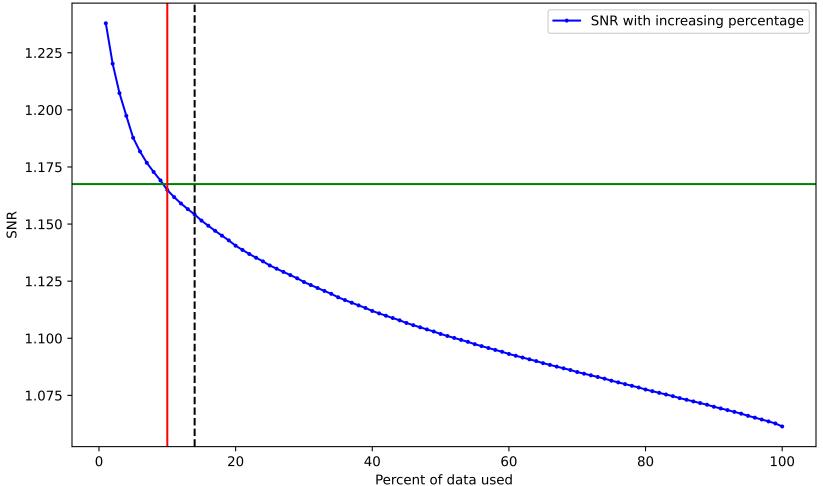
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag9.89.pow. Drowned by noise at 6.0%.



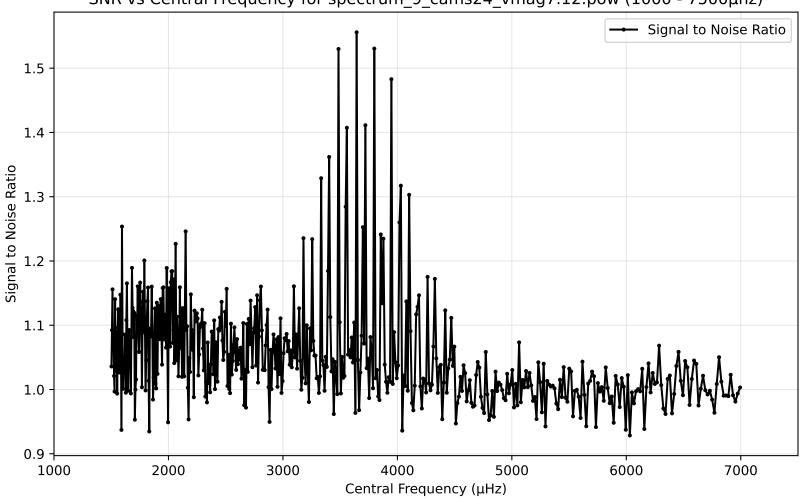
SNR vs Central Frequency for spectrum\_9\_cams24\_vmag10.33.pow (1000 -  $7500\mu hz$ )



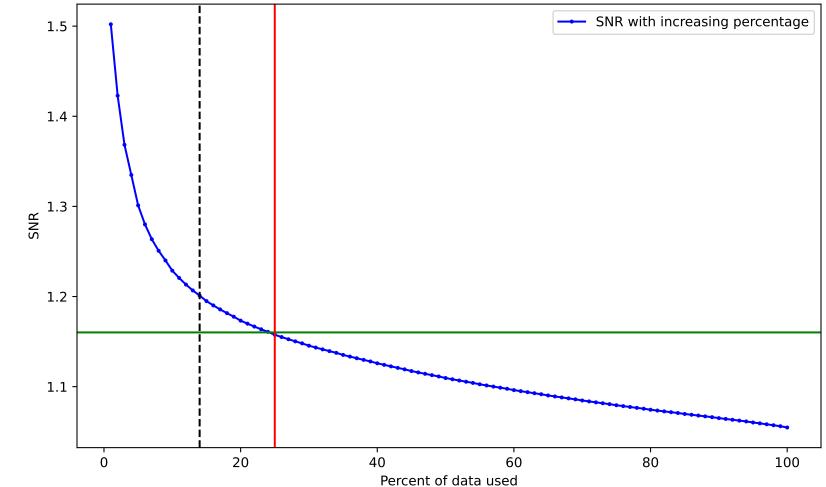
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag10.33.pow. Drowned by noise at 10.0%.

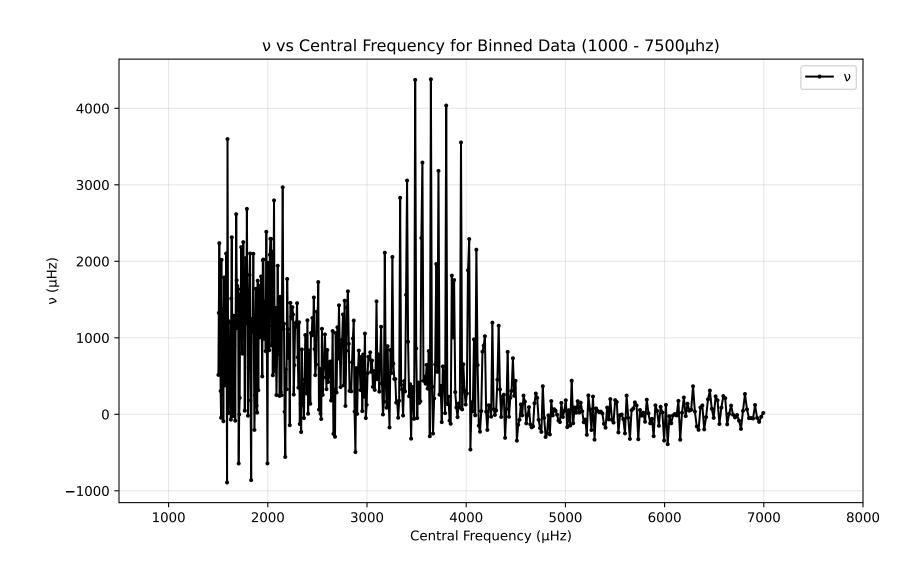


SNR vs Central Frequency for spectrum\_9\_cams24\_vmag7.12.pow (1000 - 7500µhz)

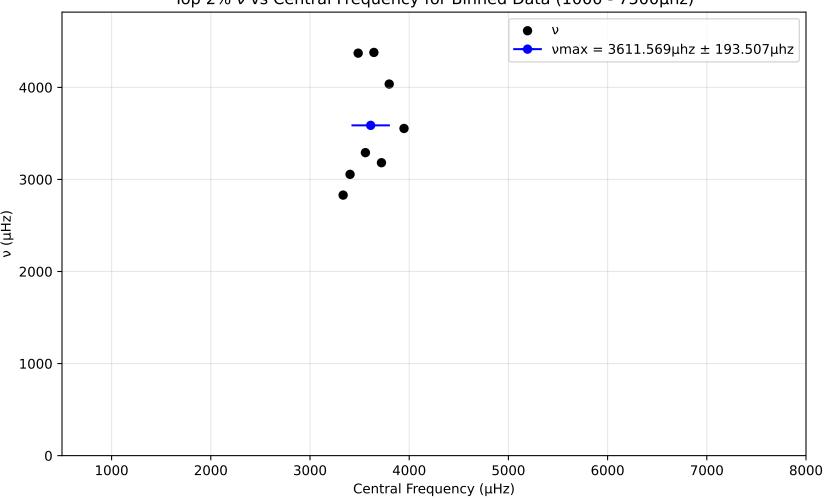


SNR variation for top n% of data for spectrum\_9\_cams24\_vmag7.12.pow. Drowned by noise at 25.0%.

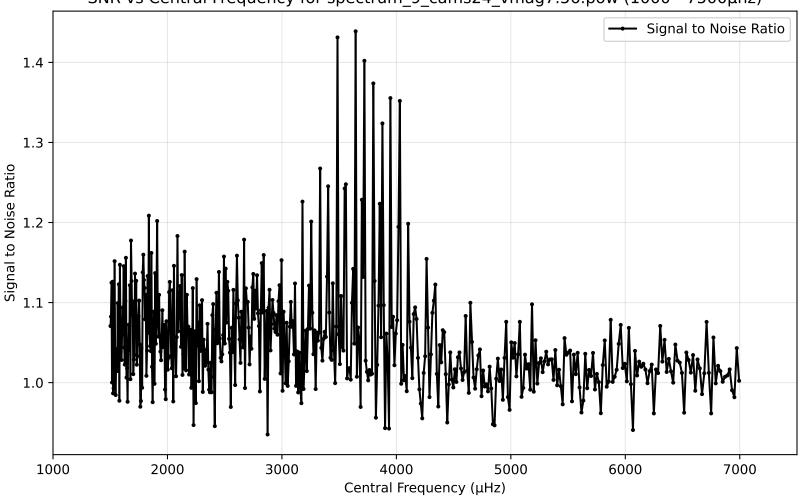




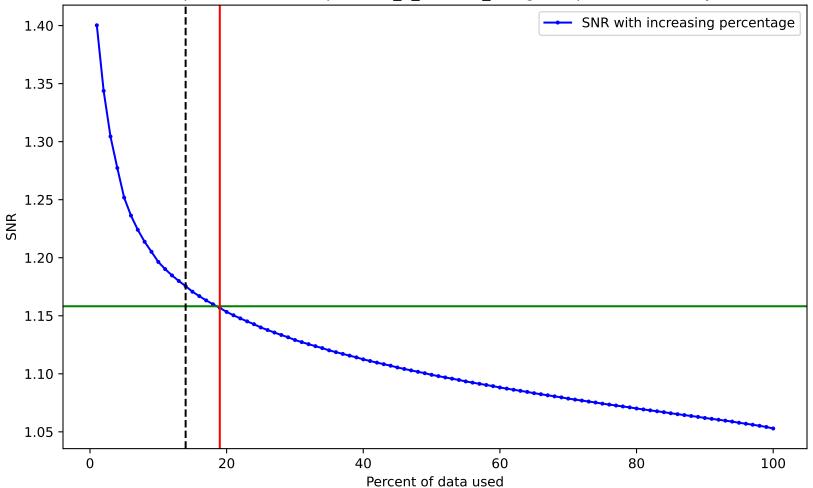
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag7.56.pow (1000 - 7500µhz)

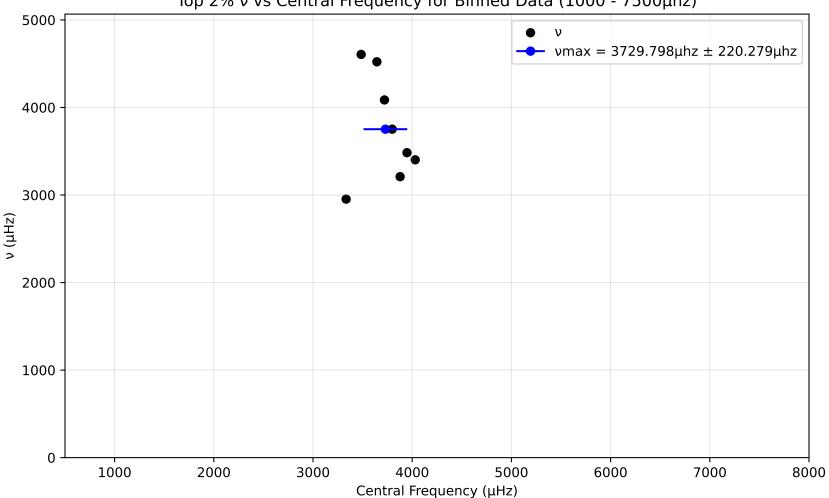


SNR variation for top n% of data for spectrum\_9\_cams24\_vmag7.56.pow. Drowned by noise at 19.0%.

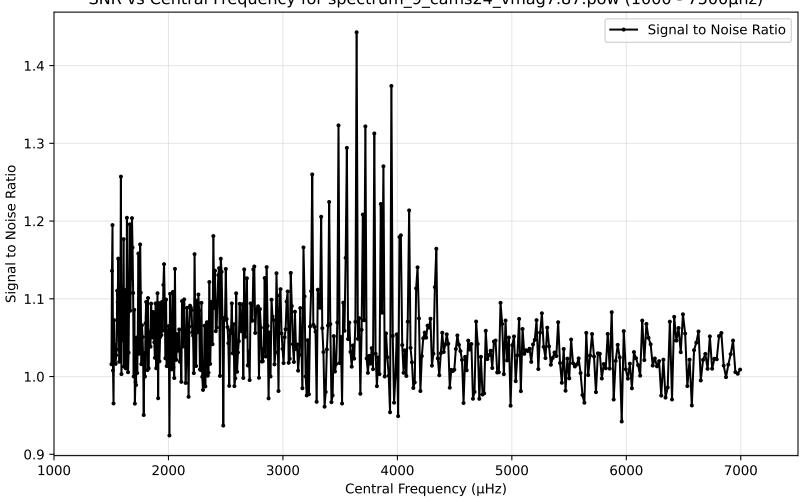


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

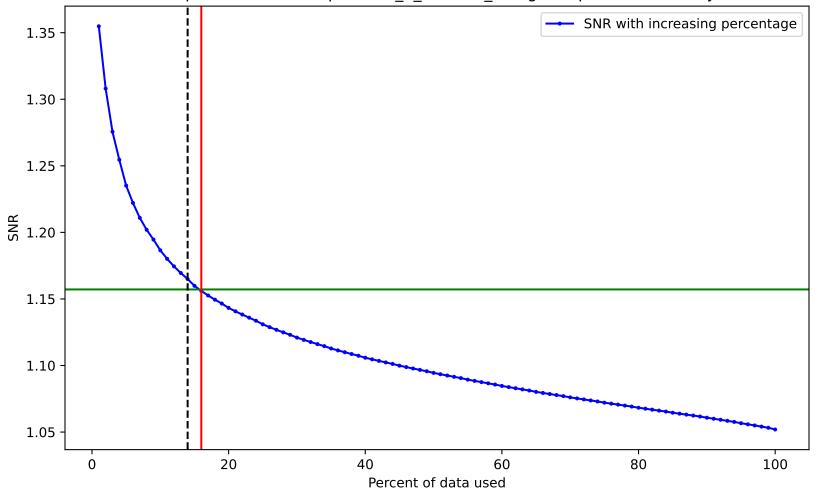
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

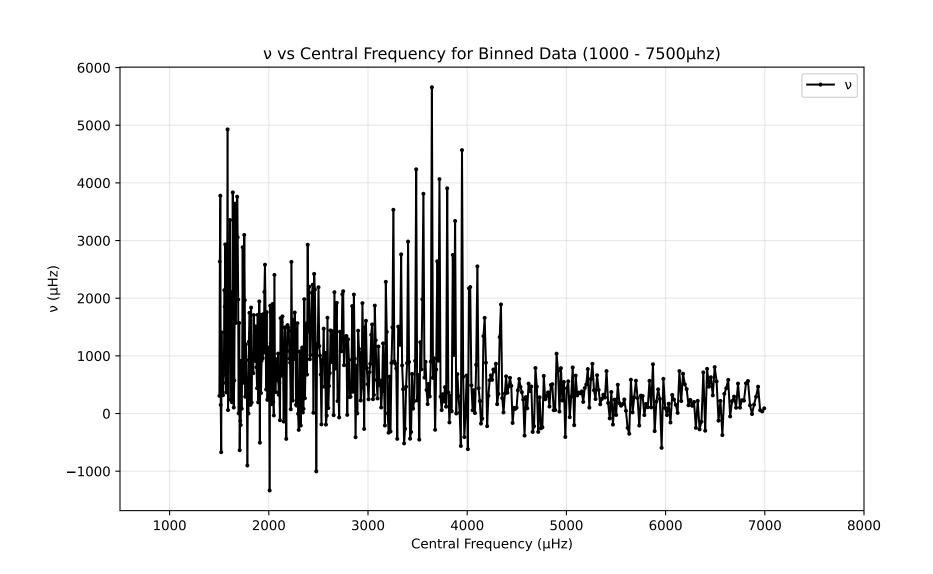


SNR vs Central Frequency for spectrum\_9\_cams24\_vmag7.87.pow (1000 - 7500µhz)

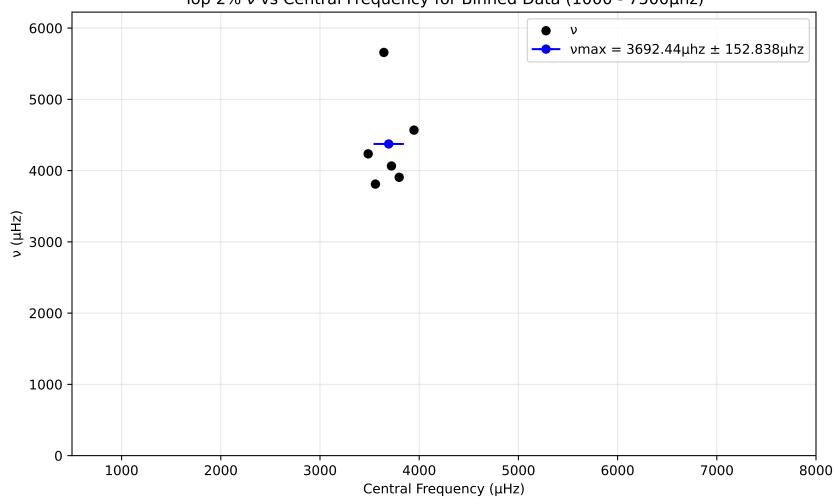


SNR variation for top n% of data for spectrum\_9\_cams24\_vmag7.87.pow. Drowned by noise at 16.0%.

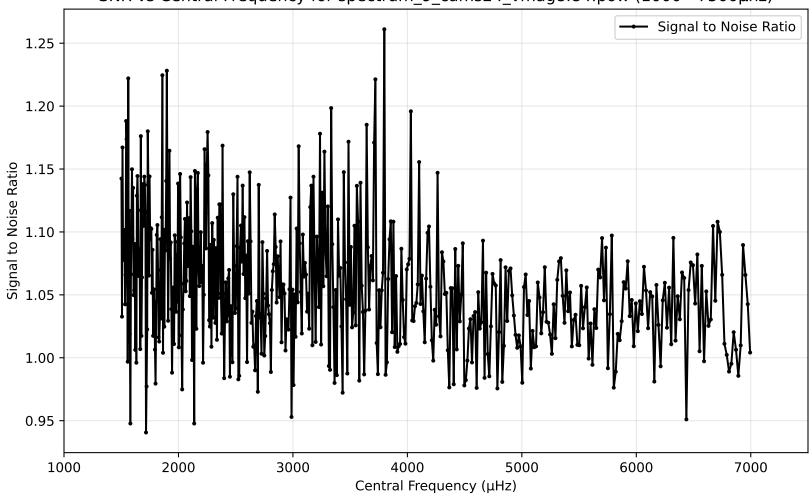




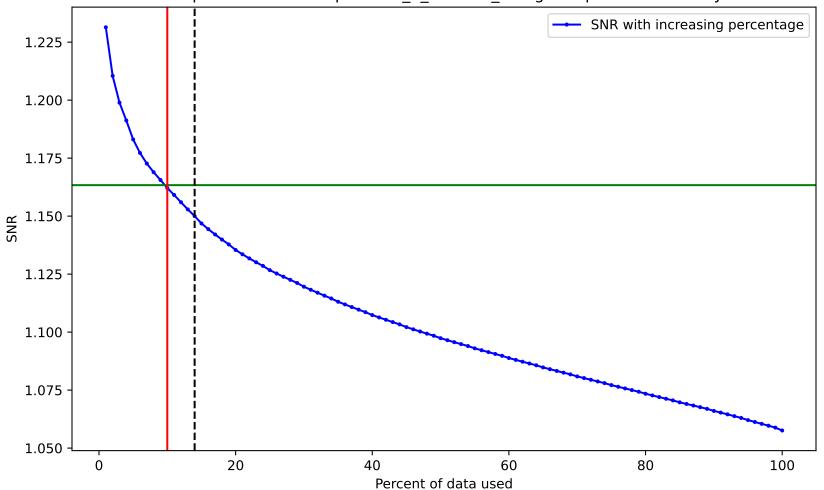
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag8.84.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.84.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag9.16.pow (1000 - 7500µhz) Signal to Noise Ratio 1.25 1.20 Signal to Noise Ratio 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_9\_cams24\_vmag9.16.pow. Drowned by noise at 8.0%.

