SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.27.pow (1000 - 7500µhz) Signal to Noise Ratio

4000

Central Frequency (µHz)

6000

5000

7000

1.20

1.15

Signal to Noise Ratio

1.00

0.95

0.90

1000

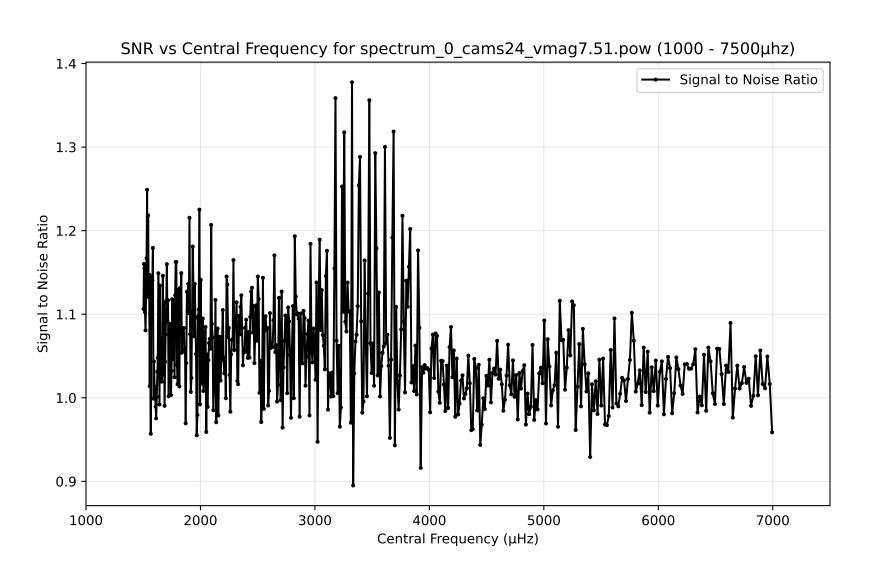
2000

3000

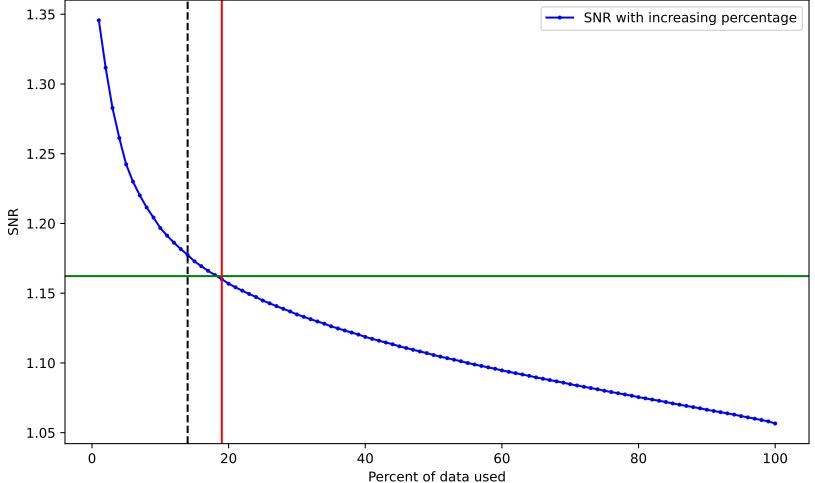
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.27.pow. Drowned by noise at 5.0%. 1.20 -SNR with increasing percentage 1.18 1.16 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100

Percent of data used

SNR

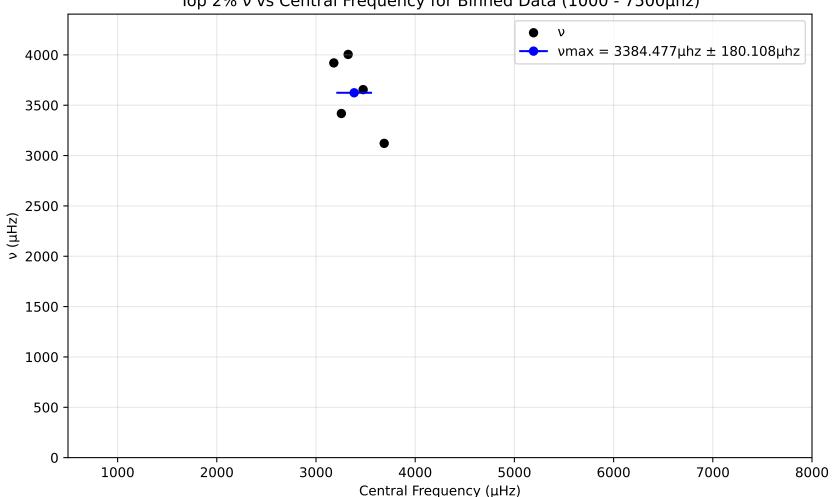


SNR variation for top n% of data for spectrum\_0\_cams24\_vmag7.51.pow. Drowned by noise at 19.0%.

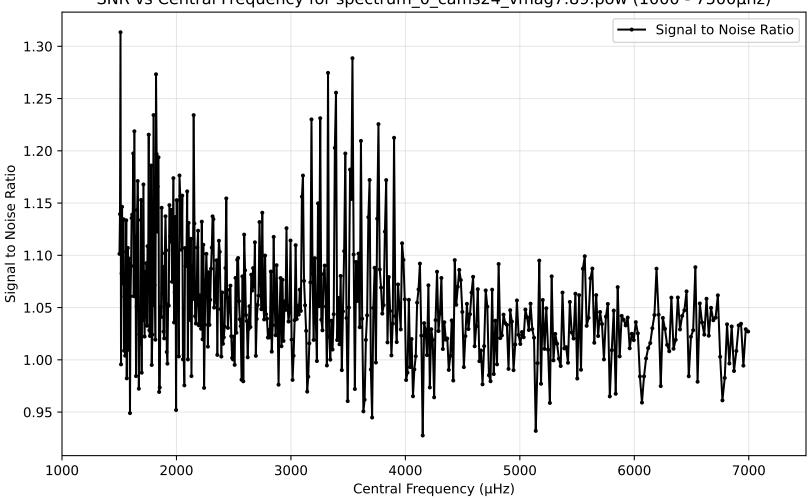


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

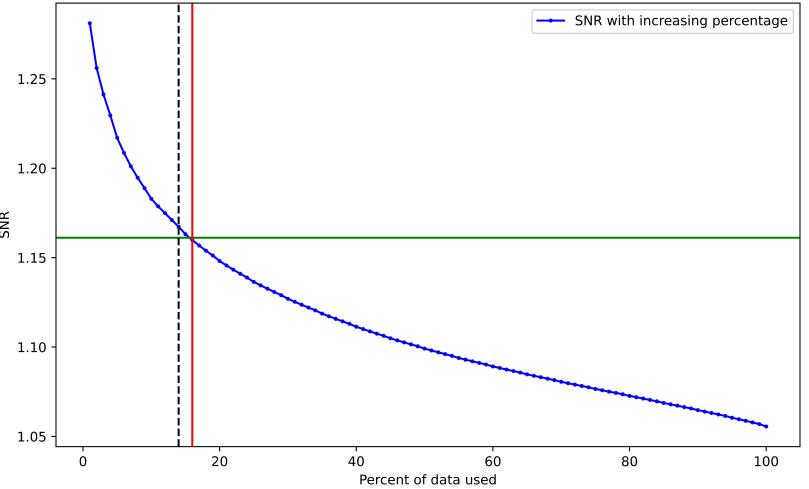
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag7.89.pow (1000 - 7500µhz)



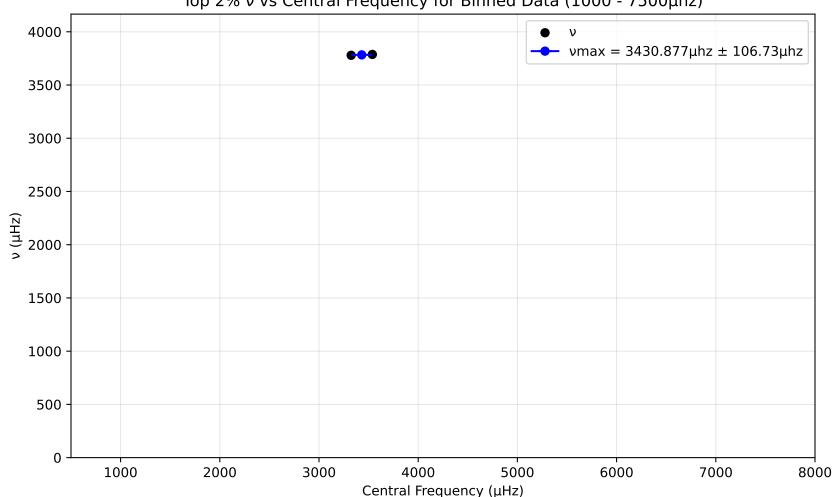
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag7.89.pow. Drowned by noise at 16.0%.



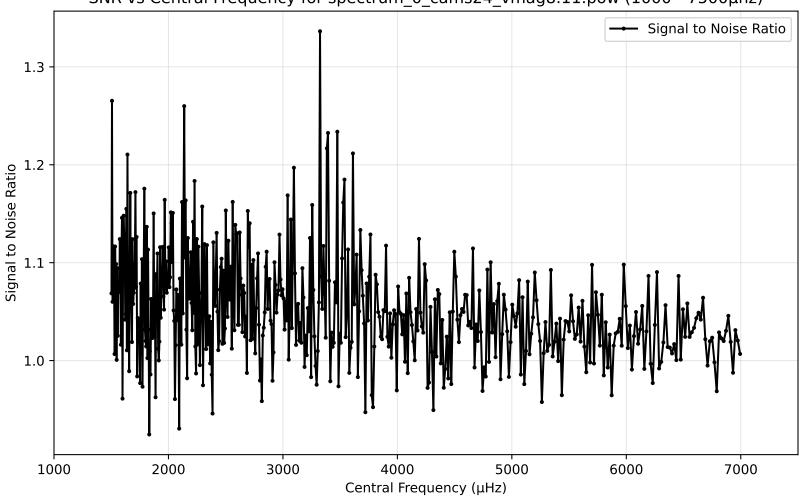
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -

Central Frequency (µHz)

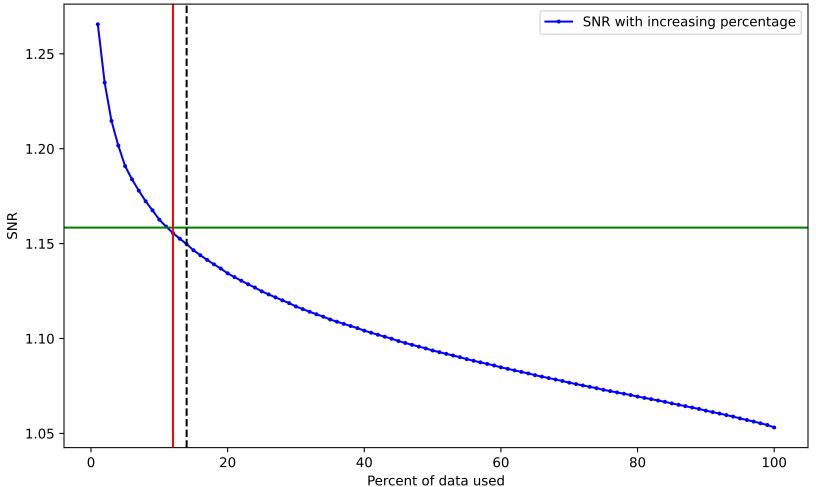
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



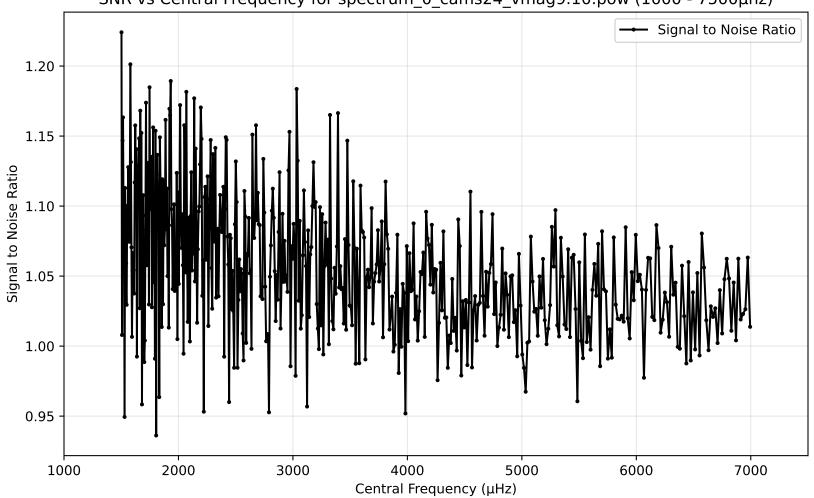
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag8.11.pow (1000 - 7500µhz)



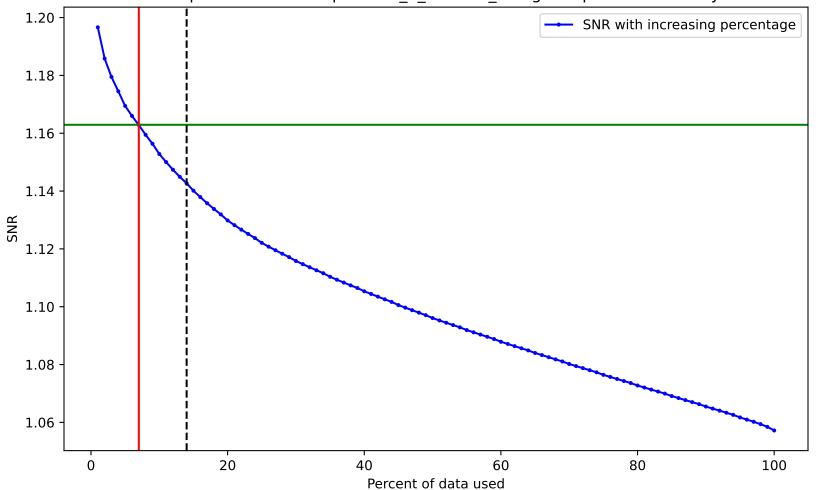
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag8.11.pow. Drowned by noise at 12.0%.



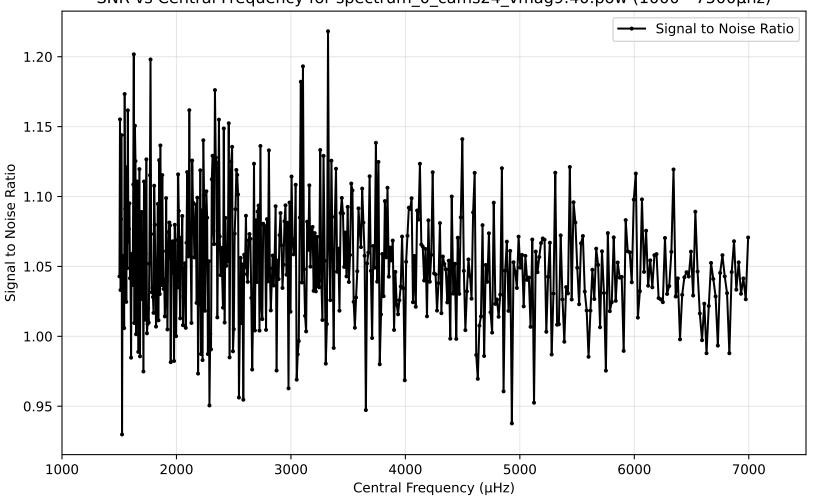
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.10.pow (1000 -  $7500\mu hz$ )



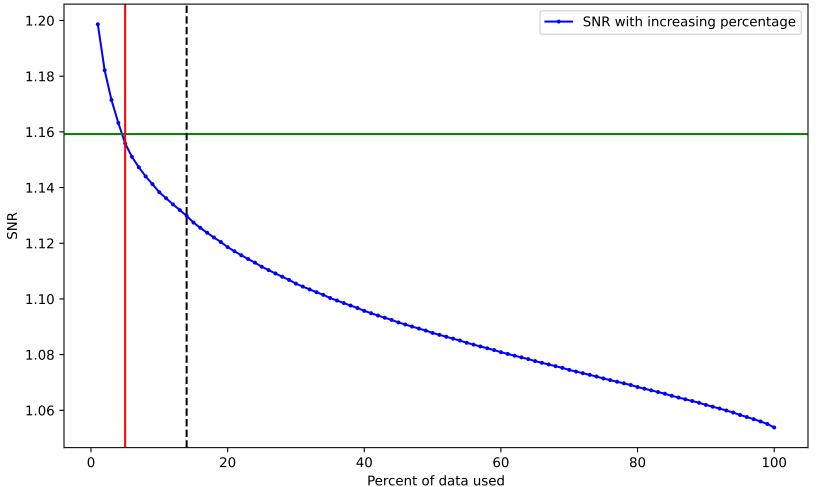
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.10.pow. Drowned by noise at 7.0%.



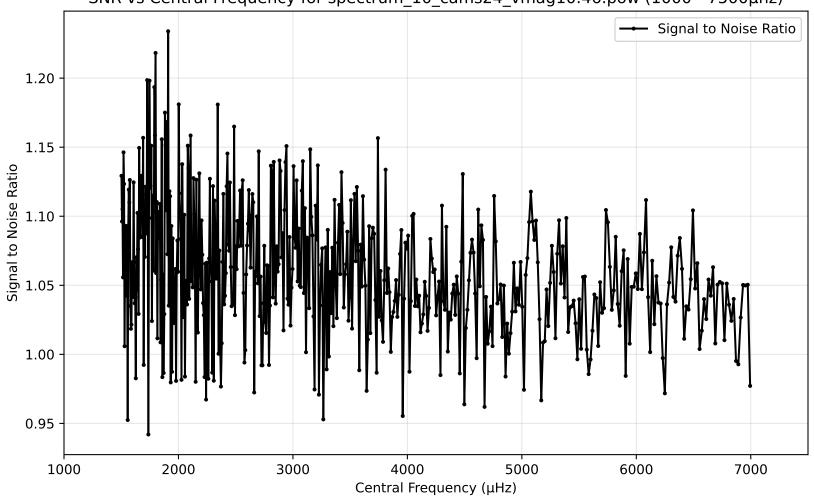
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.40.pow (1000 -  $7500\mu hz$ )



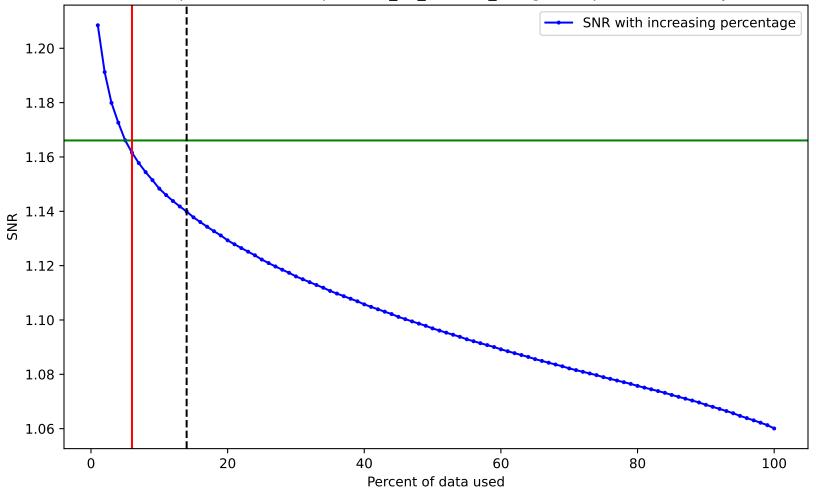
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.40.pow. Drowned by noise at 5.0%.



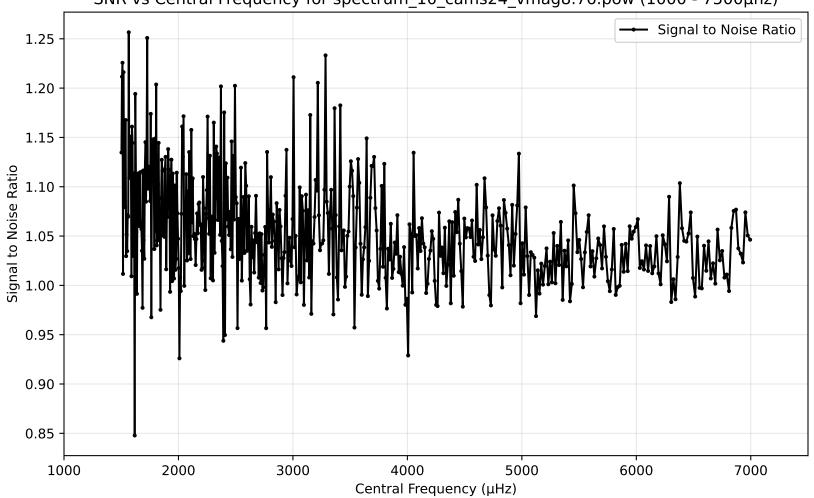
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag10.46.pow (1000 - 7500µhz)



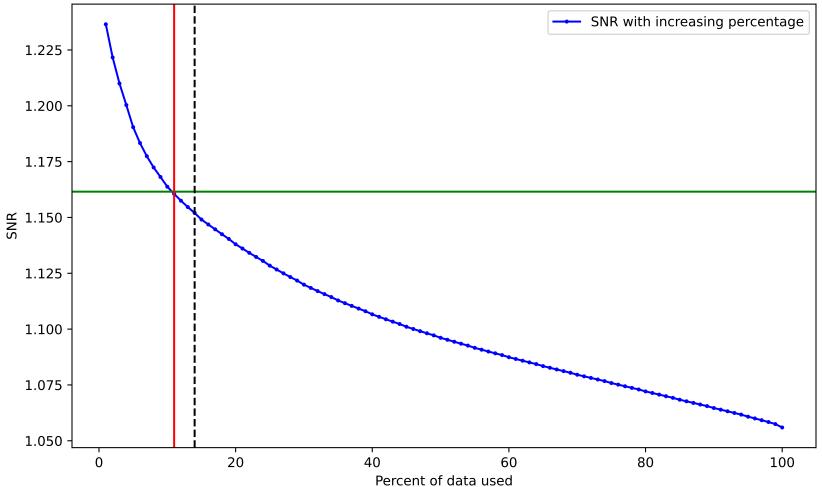
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag10.46.pow. Drowned by noise at 6.0%.



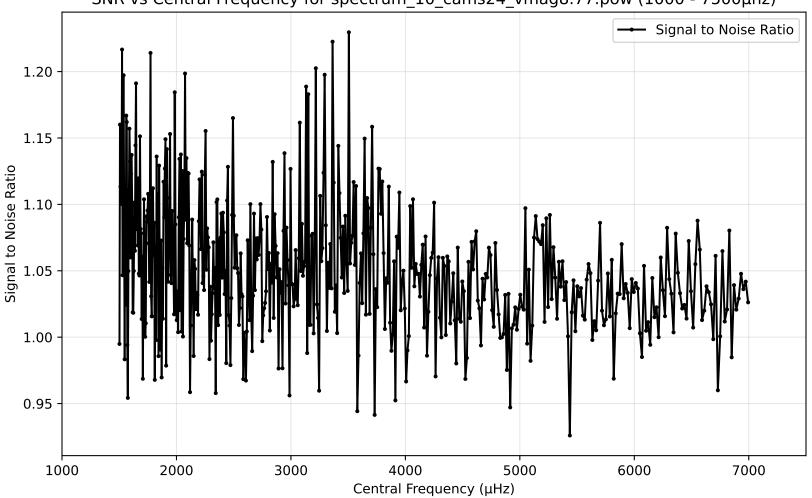
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag8.76.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.76.pow. Drowned by noise at 11.0%.



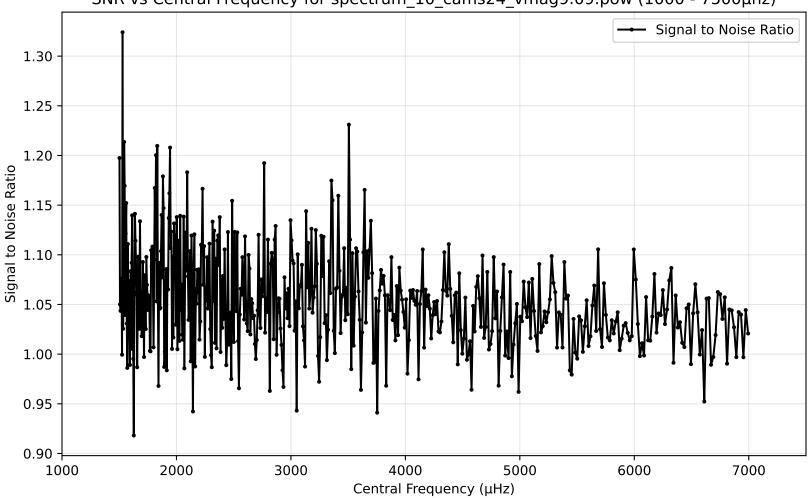
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag8.77.pow (1000 - 7500µhz)



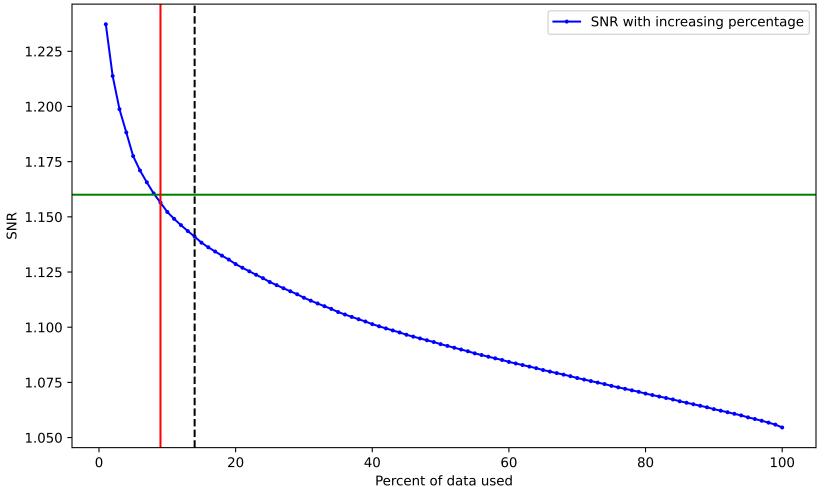
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.77.pow. Drowned by noise at 9.0%. 1.225 SNR with increasing percentage 1.200 1.175 1.150 -SNR 1.125 1.100 1.075 1.050 20 40 60 80 100

Percent of data used

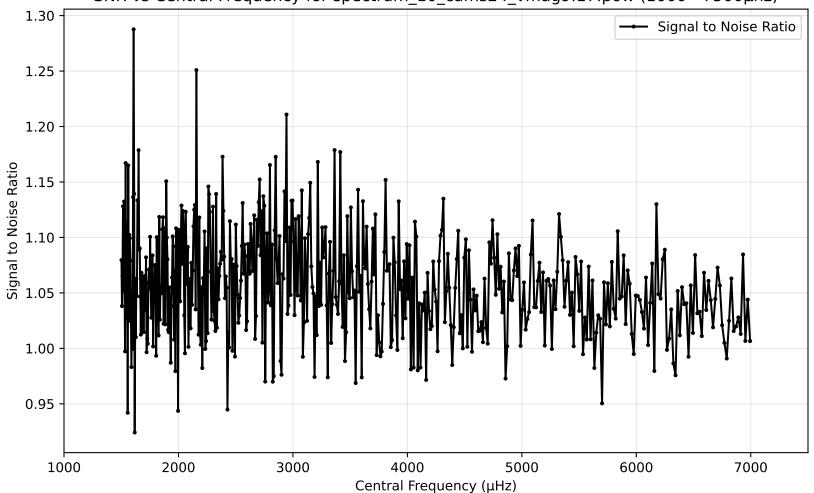
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.09.pow (1000 - 7500µhz)



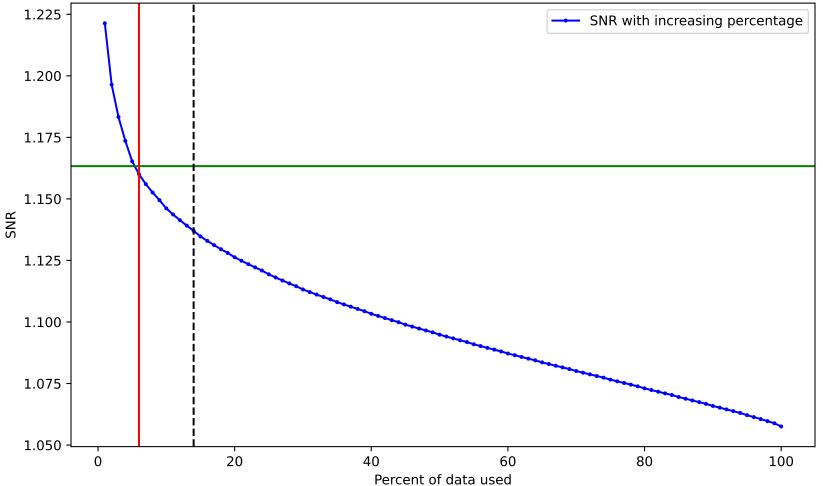
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.09.pow. Drowned by noise at 9.0%.



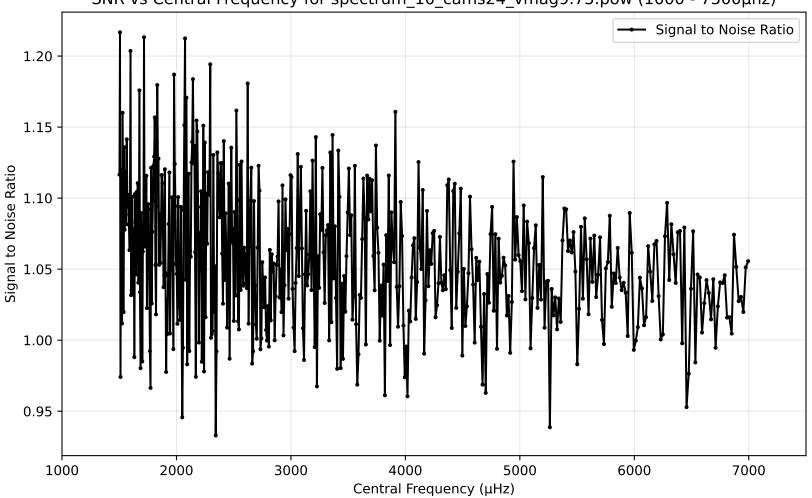
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.17.pow (1000 - 7500µhz)



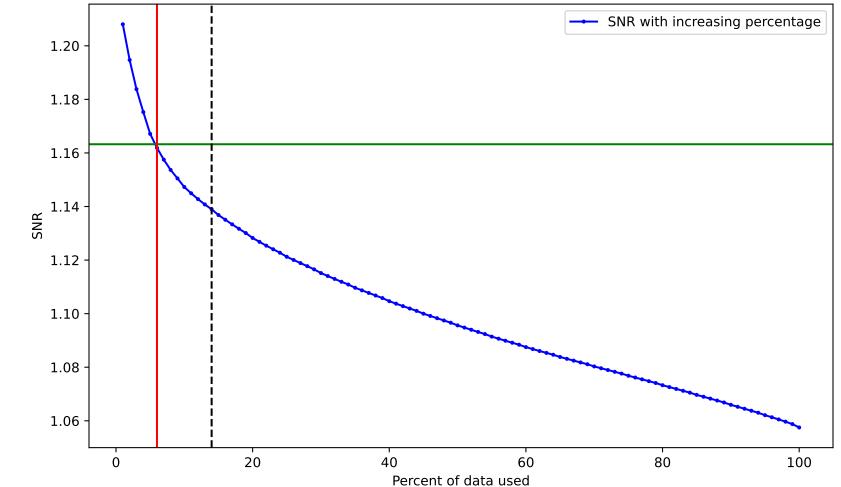
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.17.pow. Drowned by noise at 6.0%.

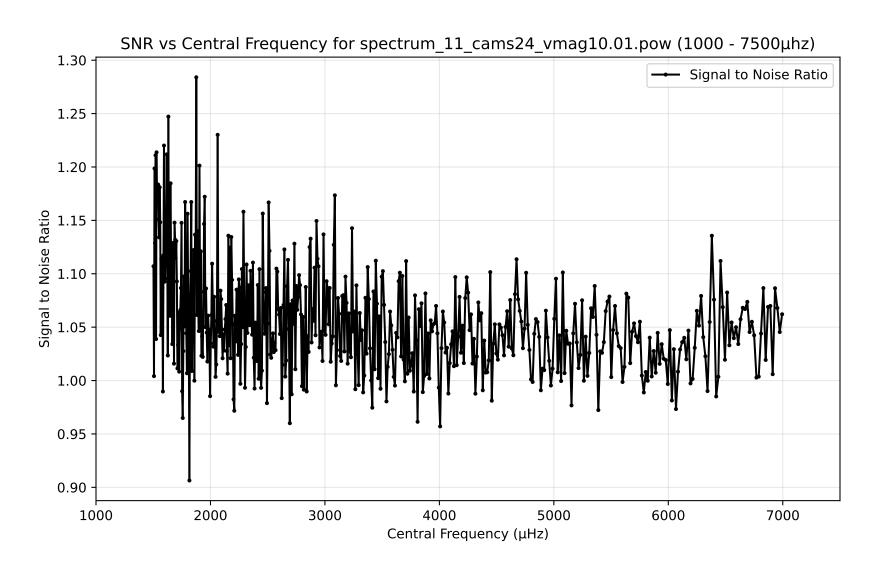


SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.75.pow (1000 - 7500µhz)

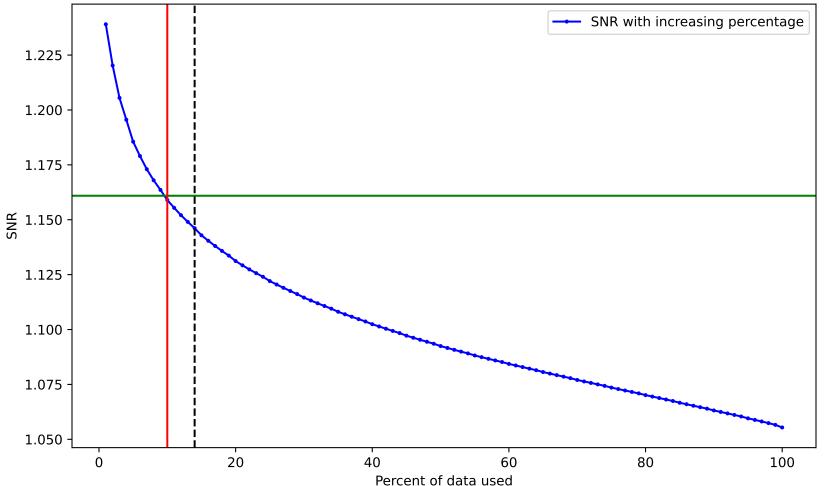


SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.75.pow. Drowned by noise at 6.0%.

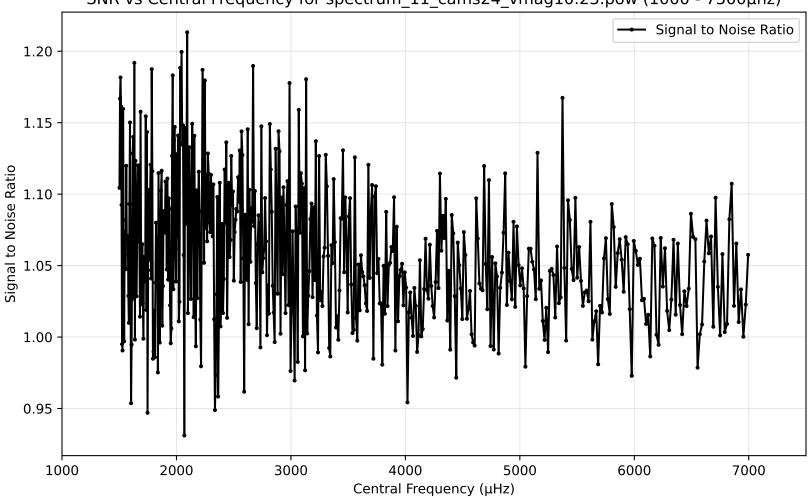




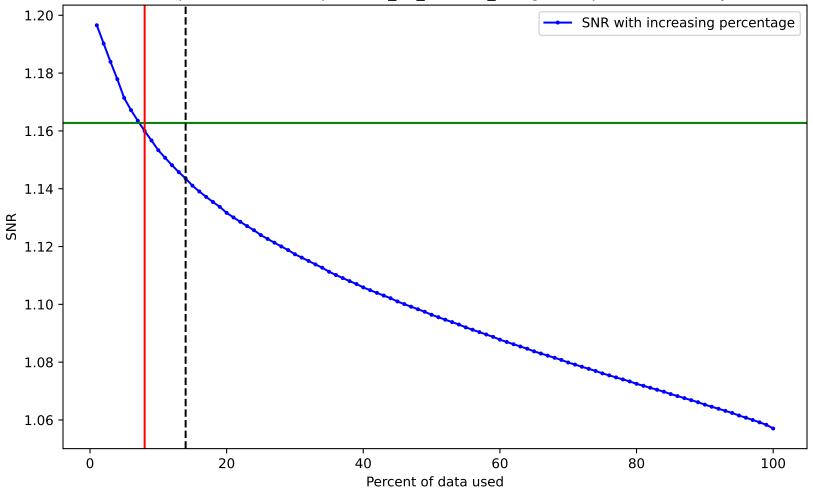
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag10.01.pow. Drowned by noise at 10.0%.



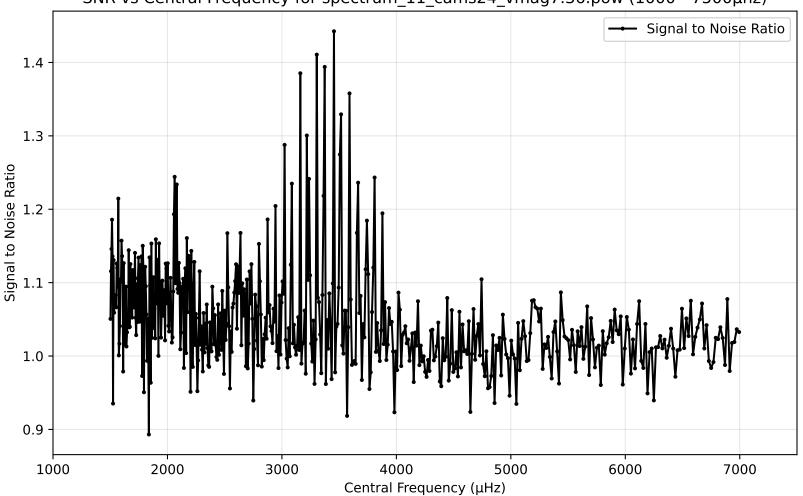
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag10.23.pow (1000 - 7500µhz)



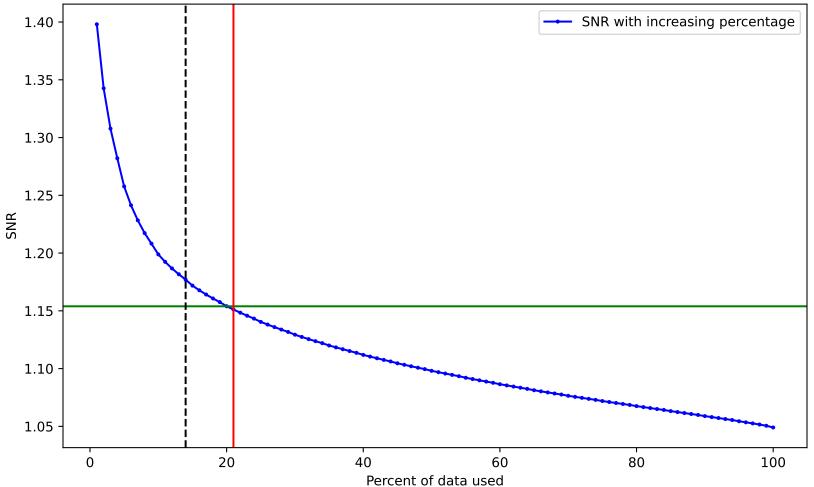
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag10.23.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_11\_cams24\_vmag7.36.pow (1000 - 7500µhz)



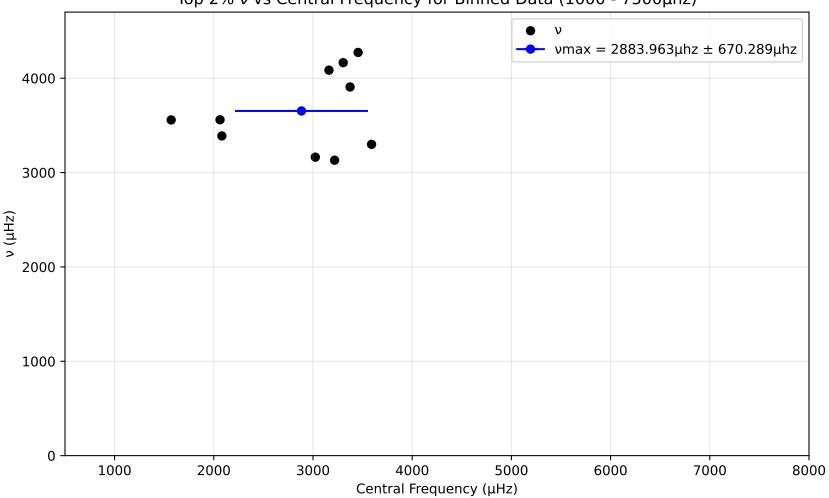
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag7.36.pow. Drowned by noise at 21.0%.

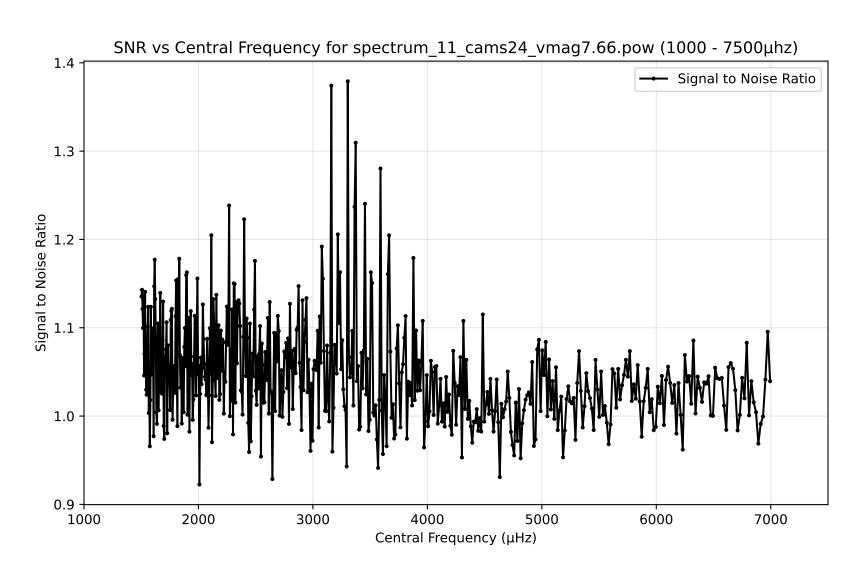


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

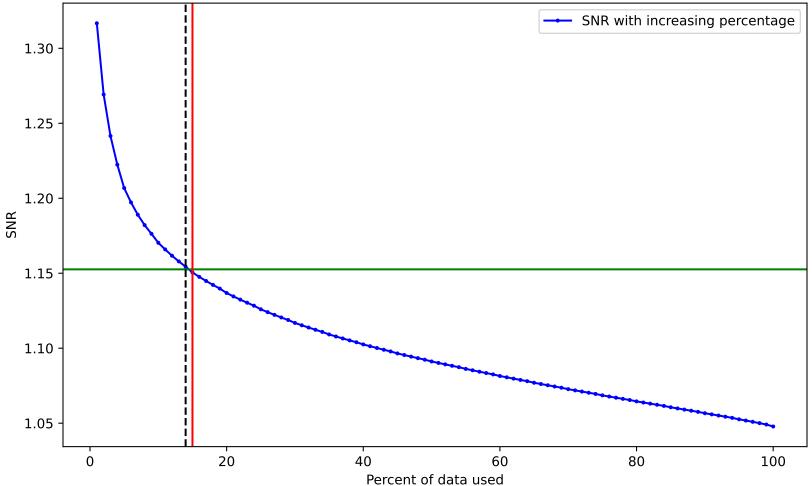
Central Frequency (µHz)

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

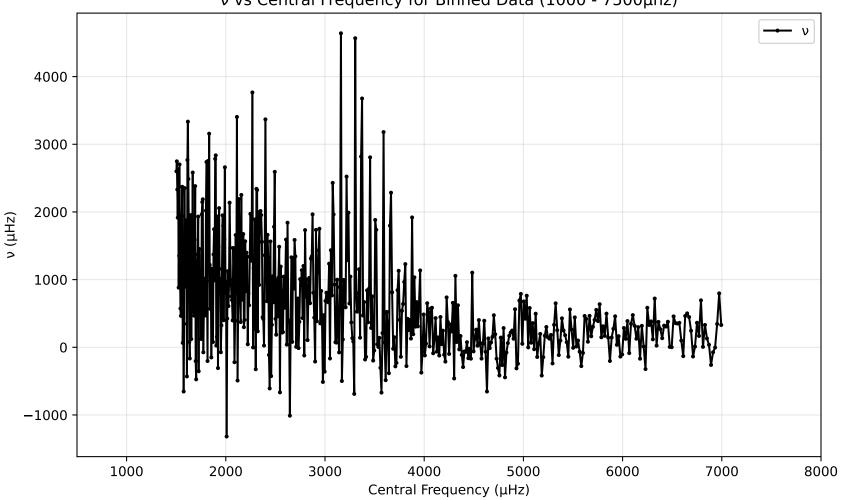




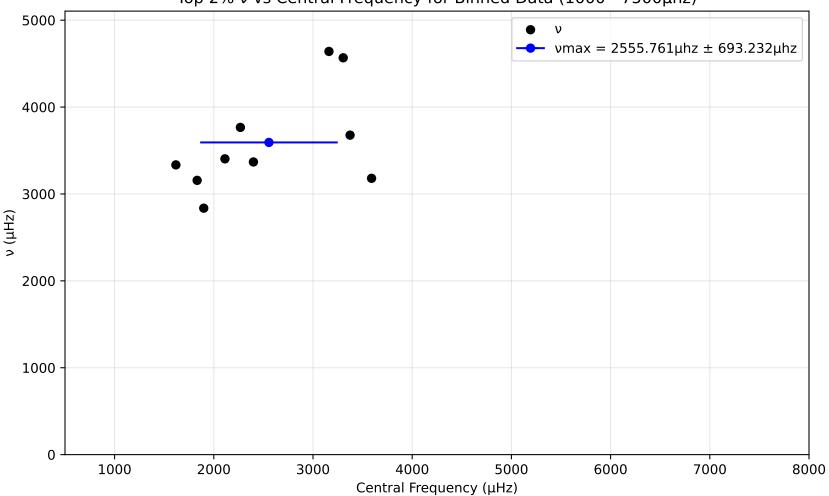
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag7.66.pow. Drowned by noise at 15.0%.



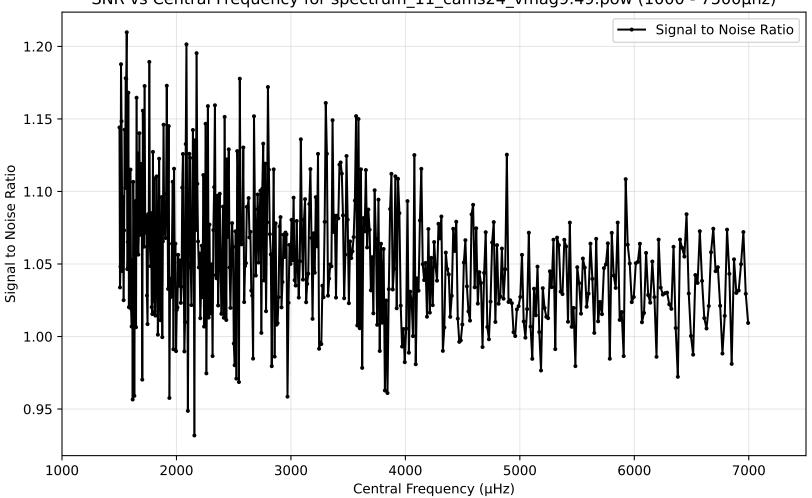
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



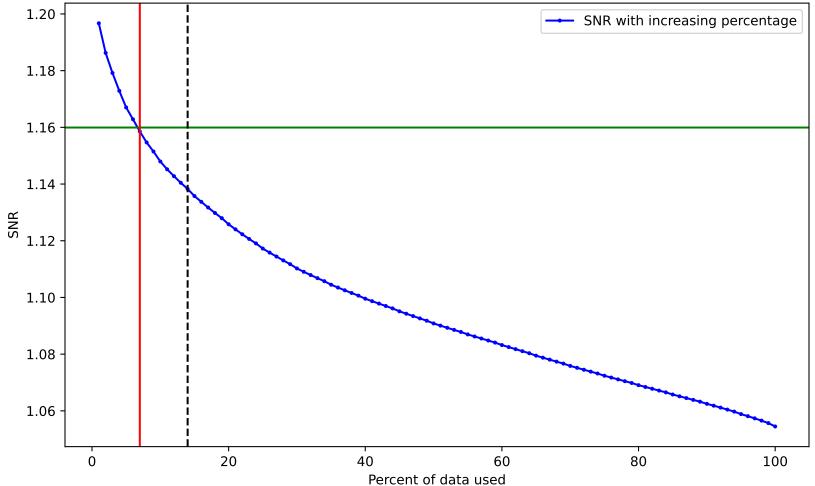
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



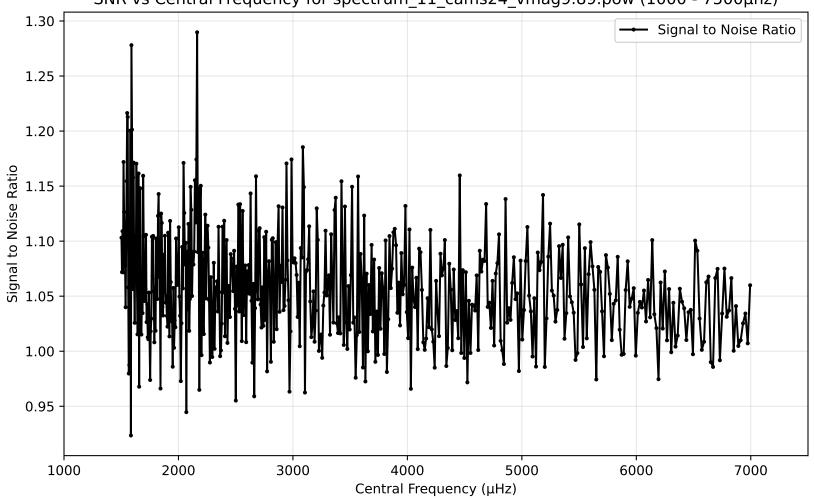
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.49.pow (1000 - 7500µhz)



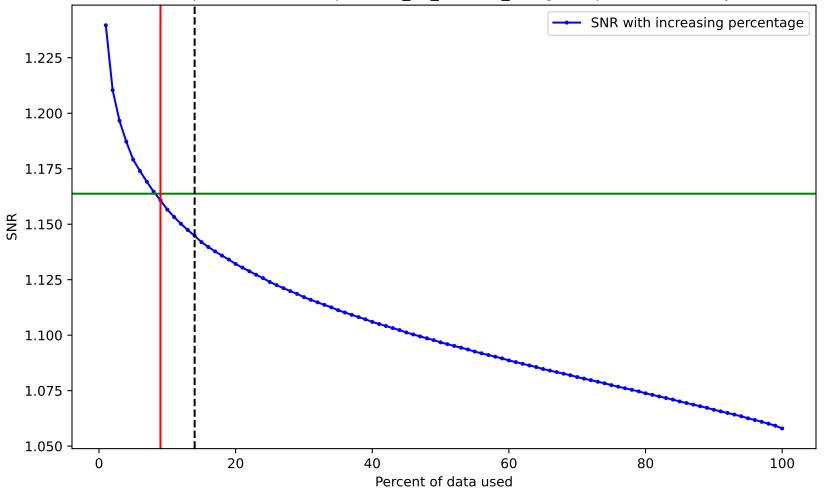
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.49.pow. Drowned by noise at 7.0%.



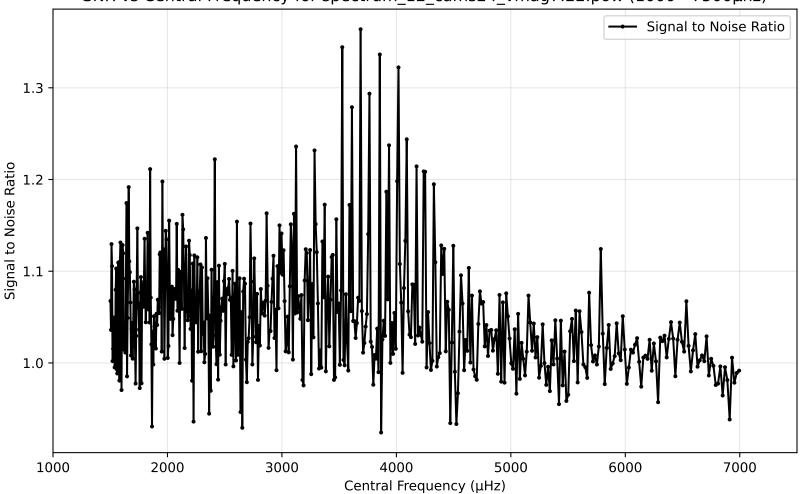
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.89.pow (1000 - 7500µhz)



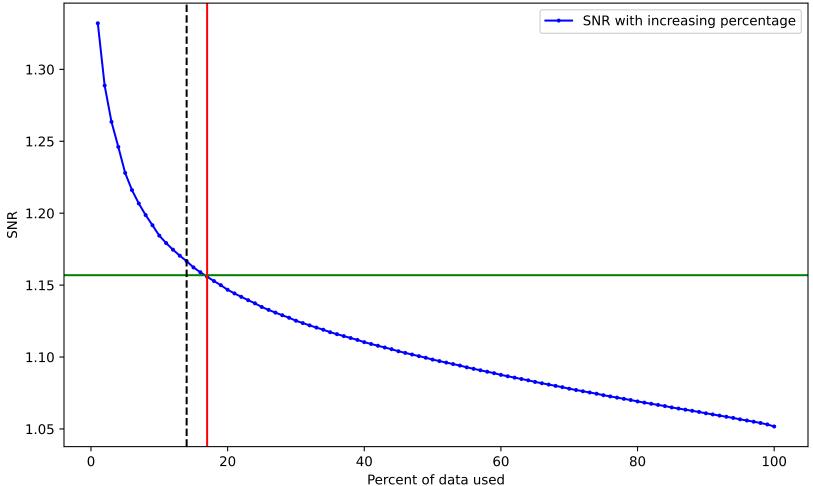
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.89.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_12\_cams24\_vmag7.22.pow (1000 - 7500µhz)

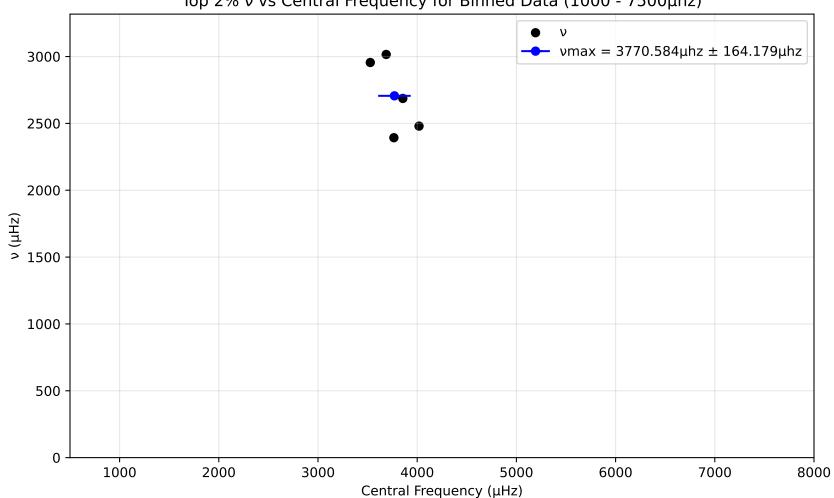


SNR variation for top n% of data for spectrum\_12\_cams24\_vmag7.22.pow. Drowned by noise at 17.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -500 -1000 Central Frequency (µHz)

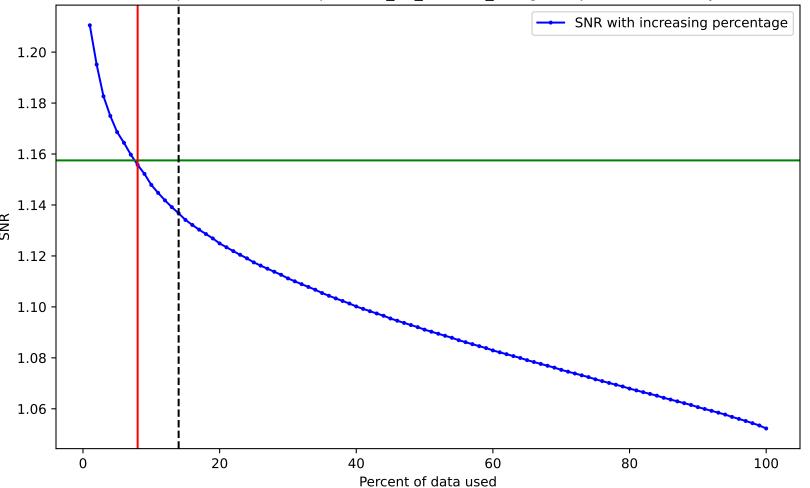
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



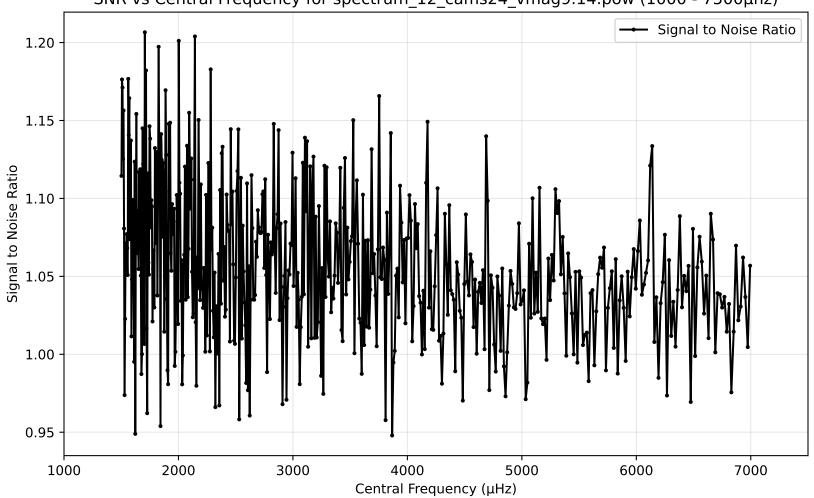
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag8.54.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_12\_cams24\_vmag8.54.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.14.pow (1000 - 7500µhz)

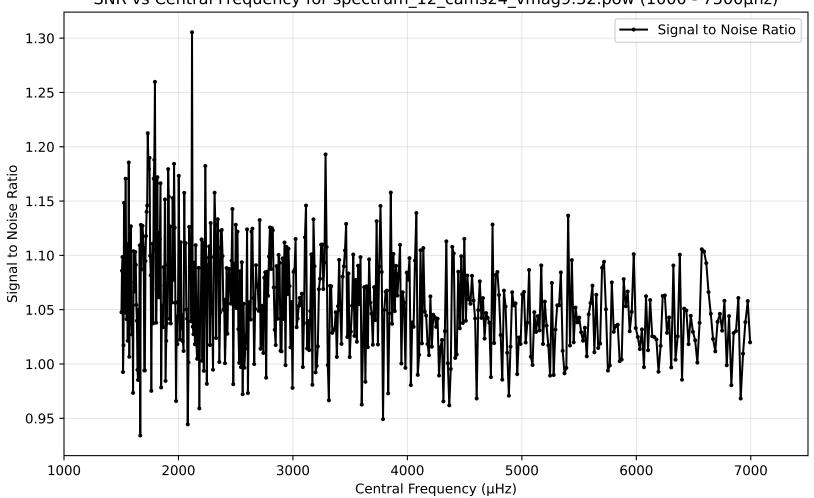


SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.14.pow. Drowned by noise at 6.0%. 1.20 -SNR with increasing percentage 1.18 -1.16 -1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

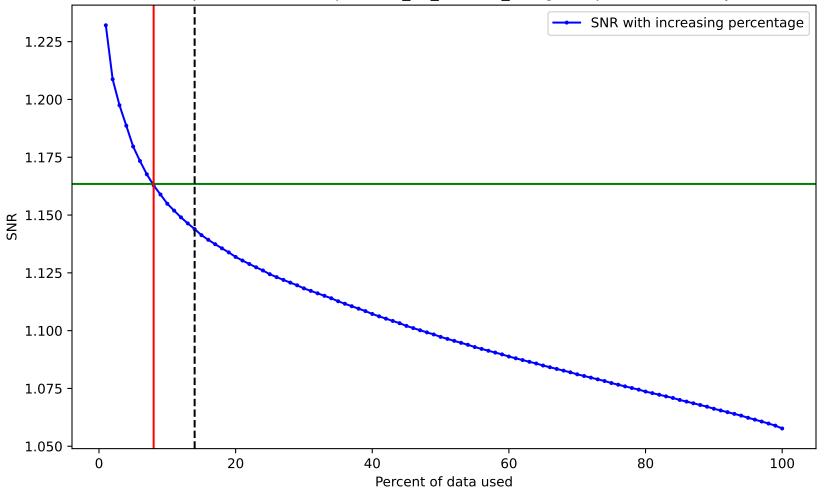
Percent of data used

SNR

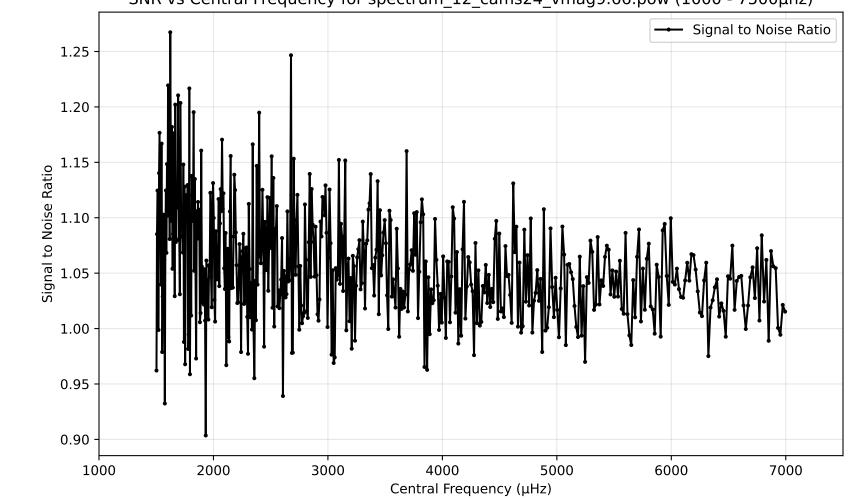
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.32.pow (1000 - 7500µhz)



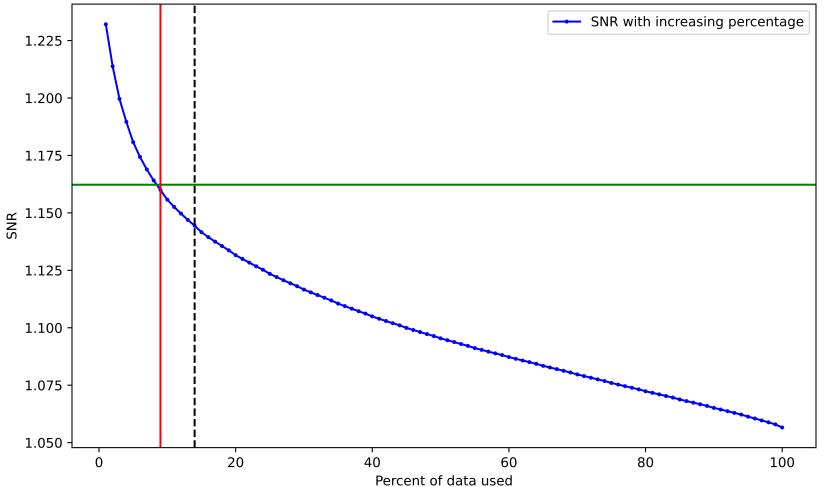
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.32.pow. Drowned by noise at 8.0%.



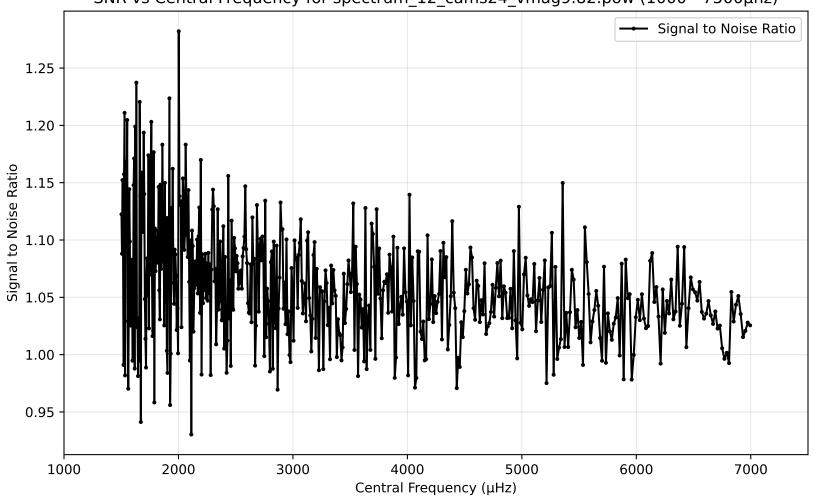
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.66.pow (1000 - 7500µhz)



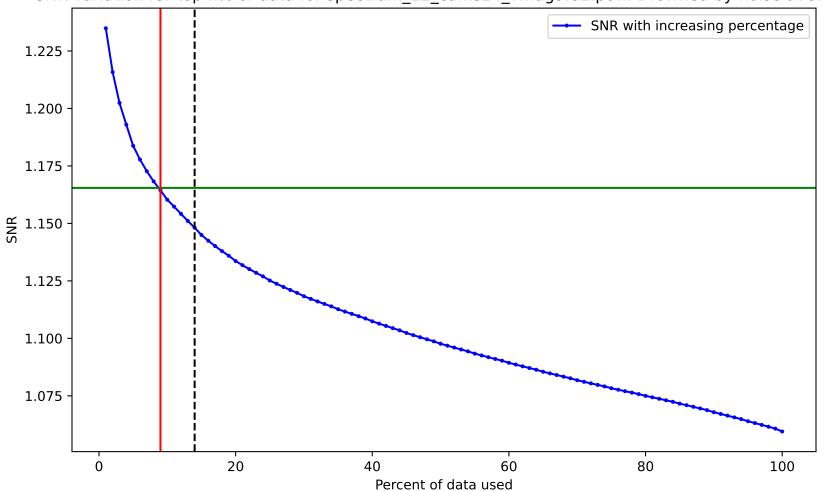
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.66.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.82.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.82.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_13\_cams24\_vmag10.23.pow (1000 - 7500µhz) 1.35 Signal to Noise Ratio 1.30 1.25 Signal to Noise Ratio 1.05 1.00 0.95

4000

Central Frequency (µHz)

6000

5000

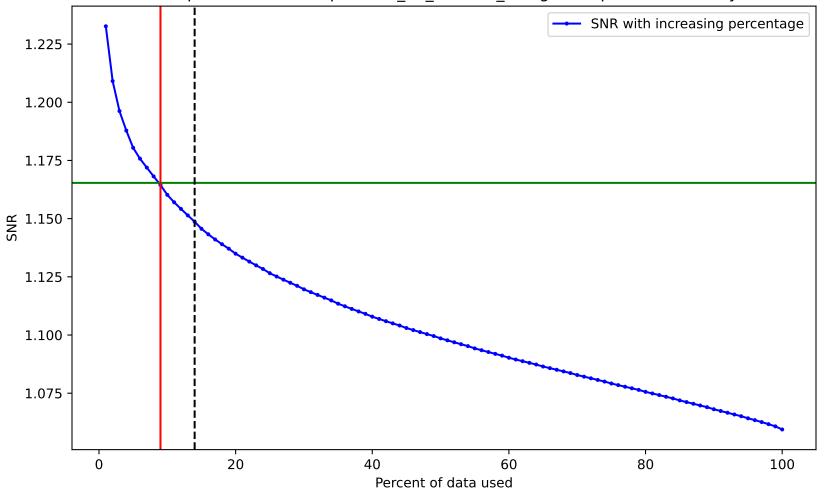
7000

1000

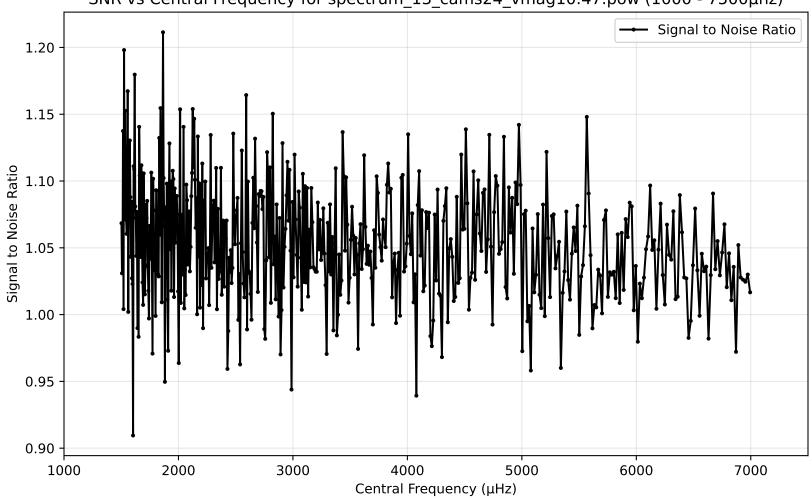
2000

3000

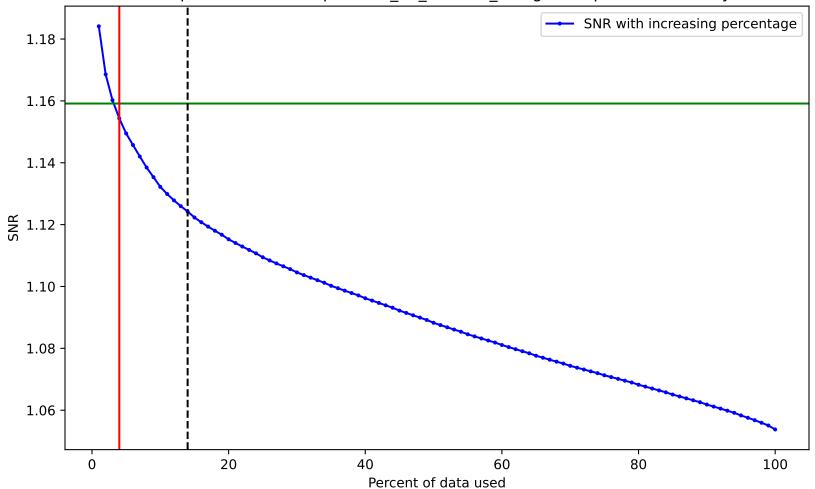
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag10.23.pow. Drowned by noise at 9.0%.



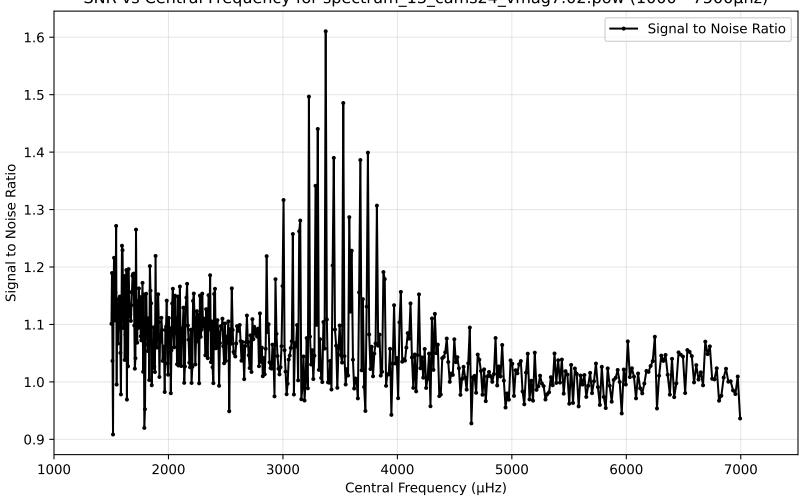
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag10.47.pow (1000 - 7500µhz)



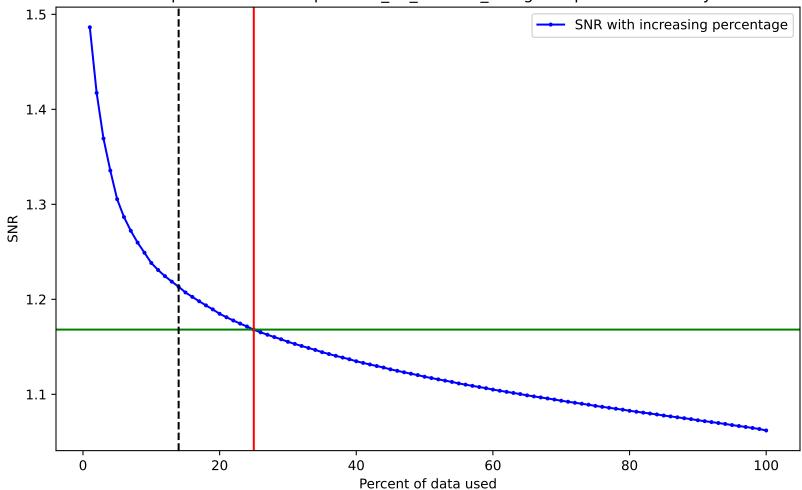
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag10.47.pow. Drowned by noise at 4.0%.



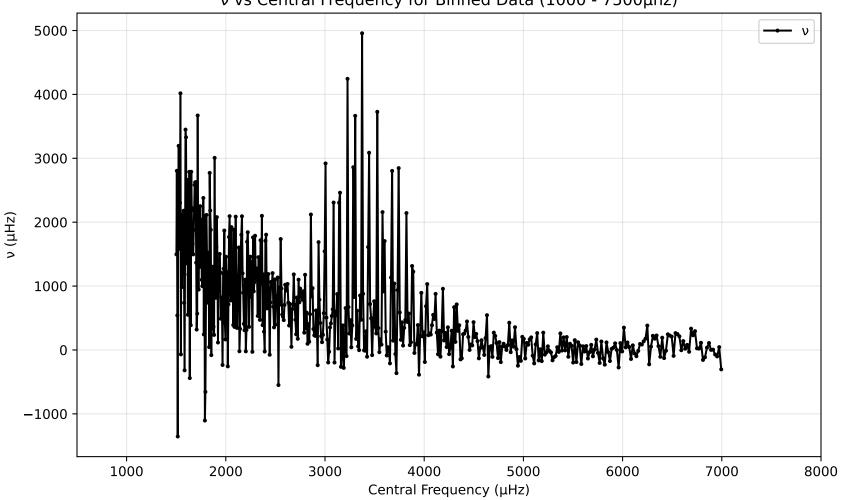
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.02.pow (1000 - 7500µhz)



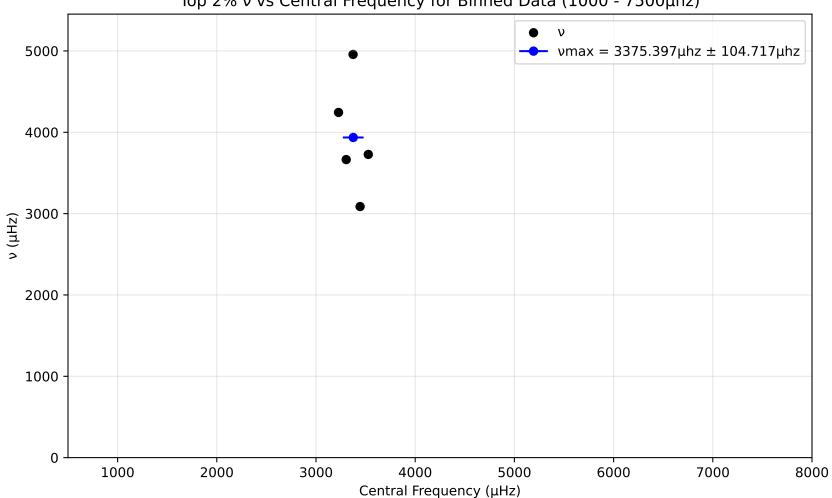
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.02.pow. Drowned by noise at 25.0%.



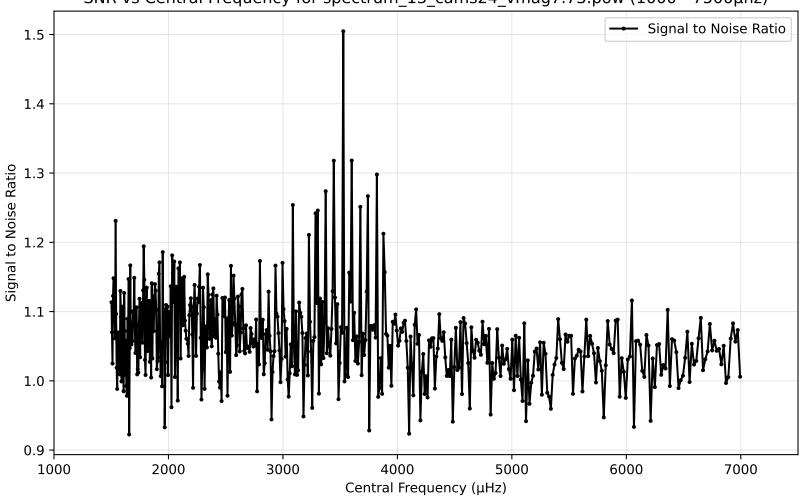
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



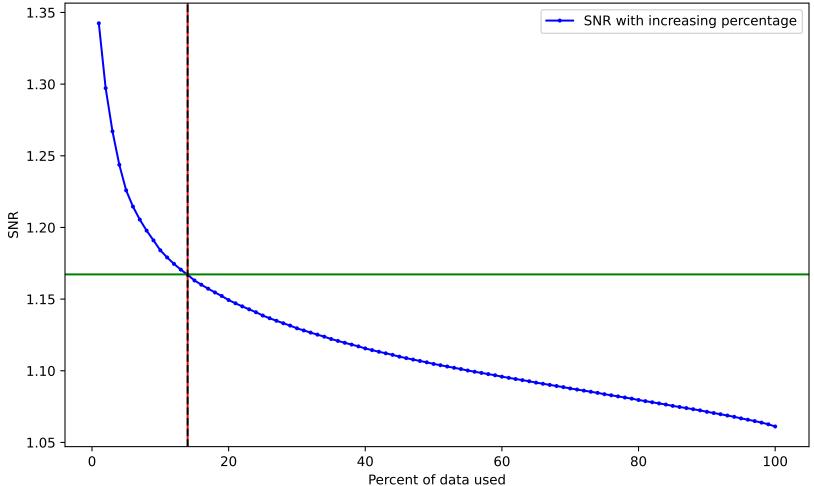
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



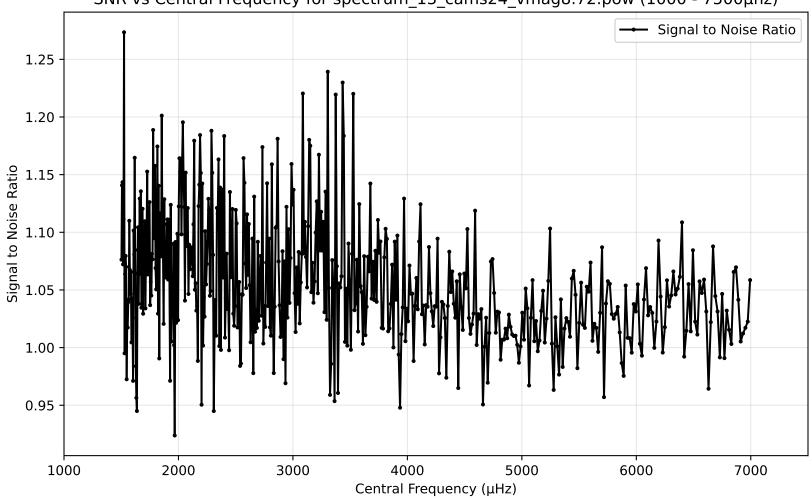
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.73.pow (1000 - 7500µhz)



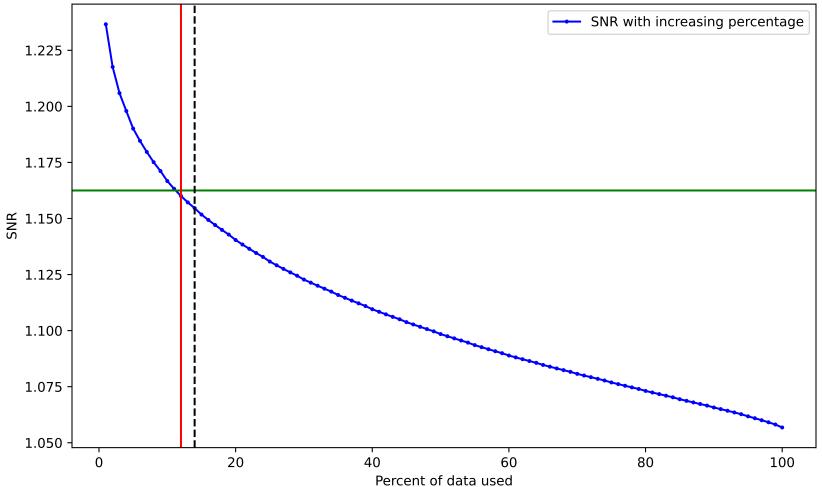
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.73.pow. Drowned by noise at 14.0%.



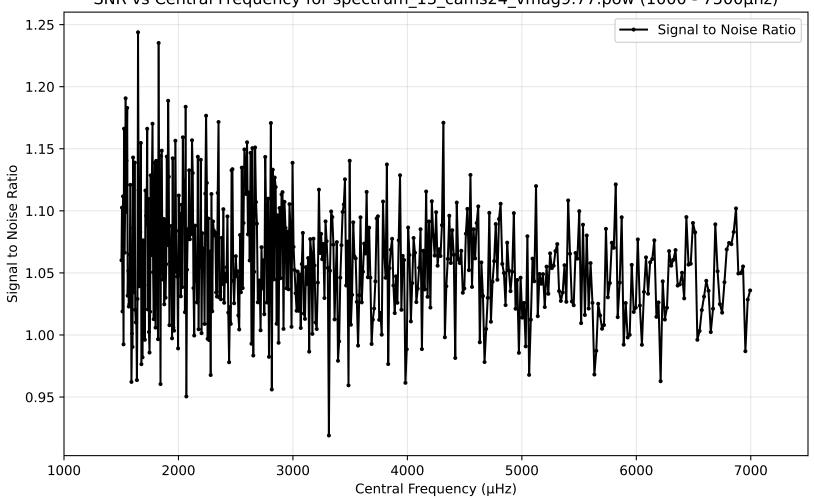
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag8.72.pow (1000 - 7500µhz)



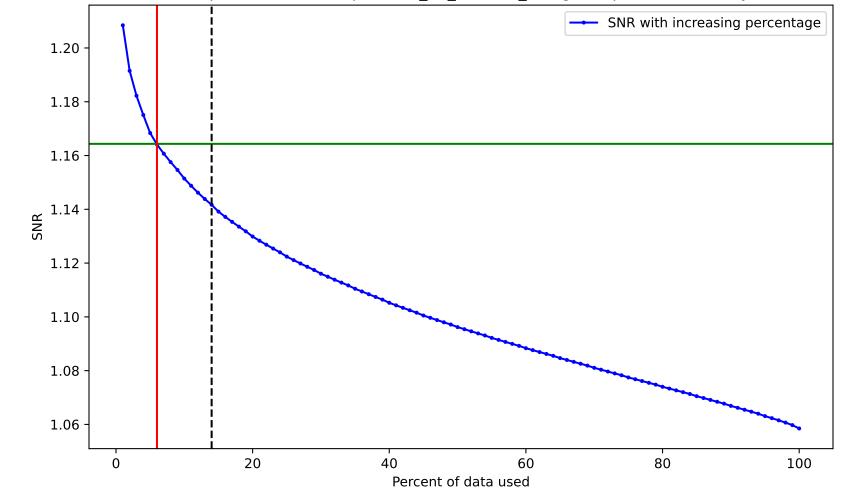
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag8.72.pow. Drowned by noise at 12.0%.



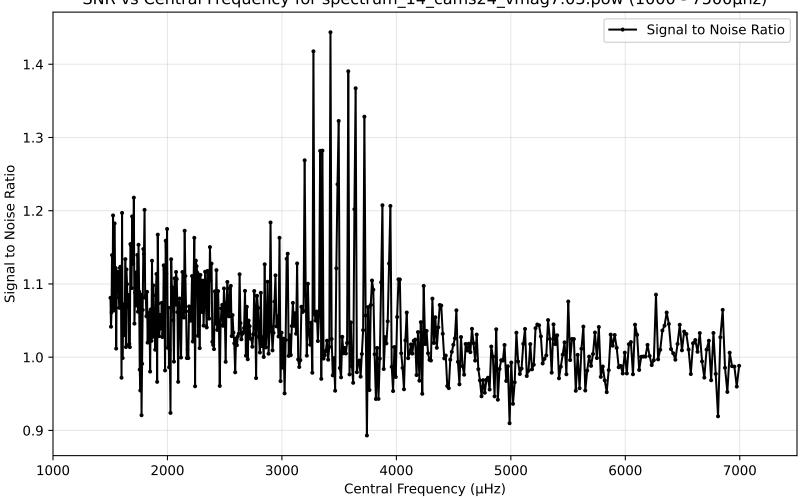
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.77.pow (1000 - 7500µhz)



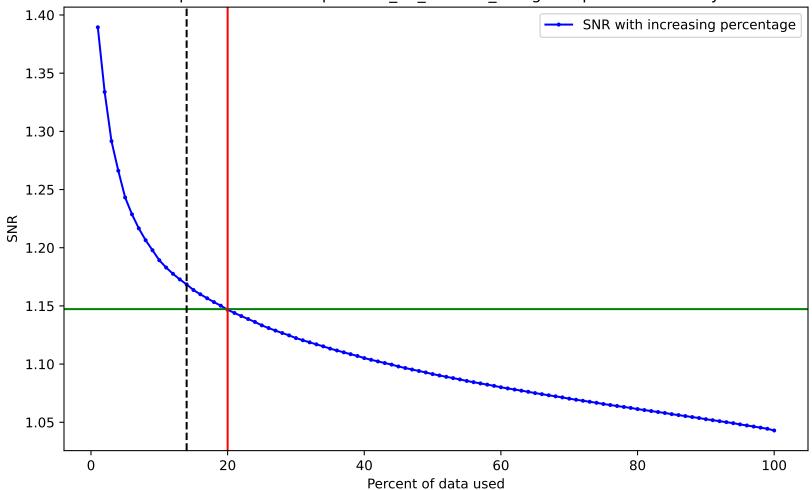
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag9.77.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.03.pow (1000 - 7500µhz)

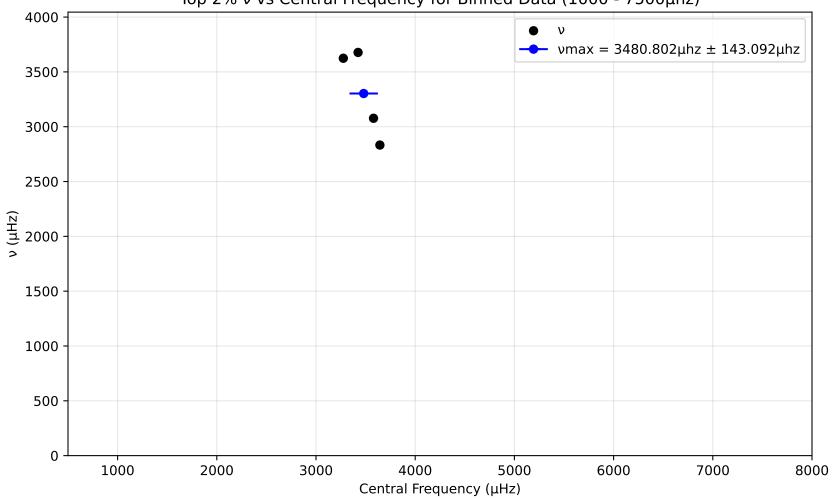


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.03.pow. Drowned by noise at 20.0%.

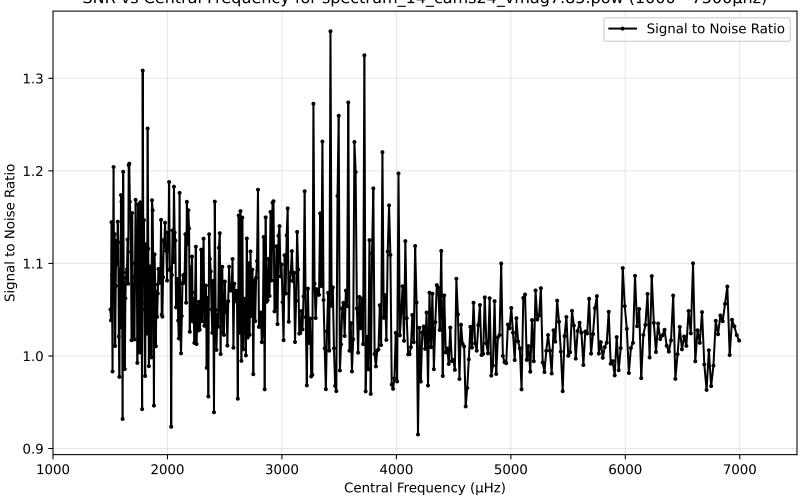


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

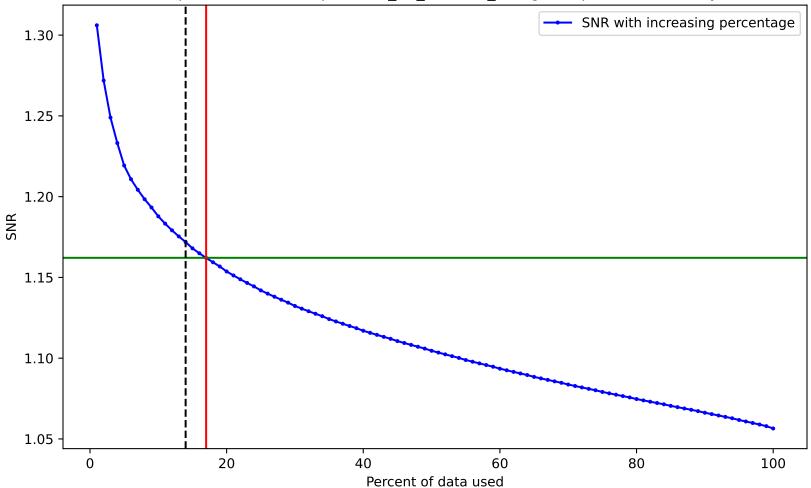
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

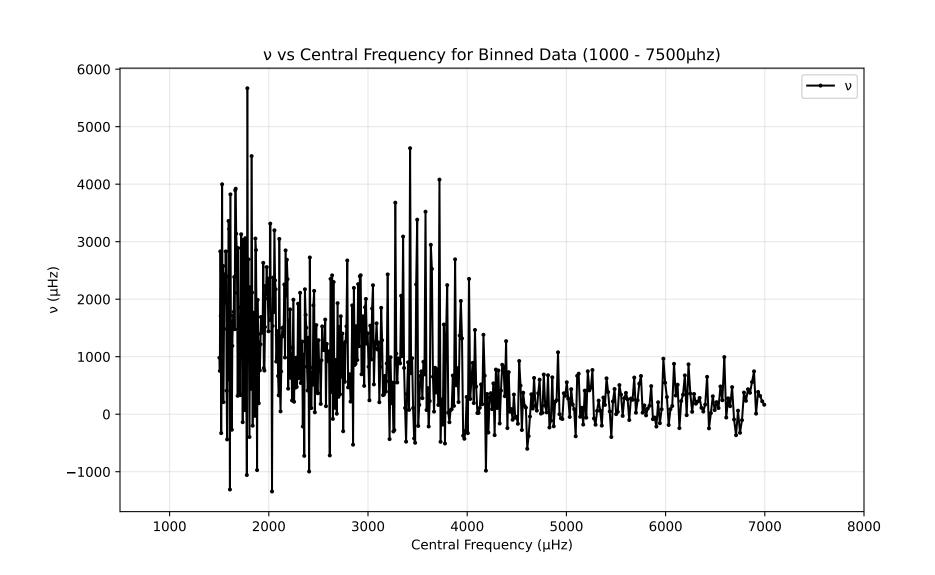


SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.85.pow (1000 - 7500µhz)

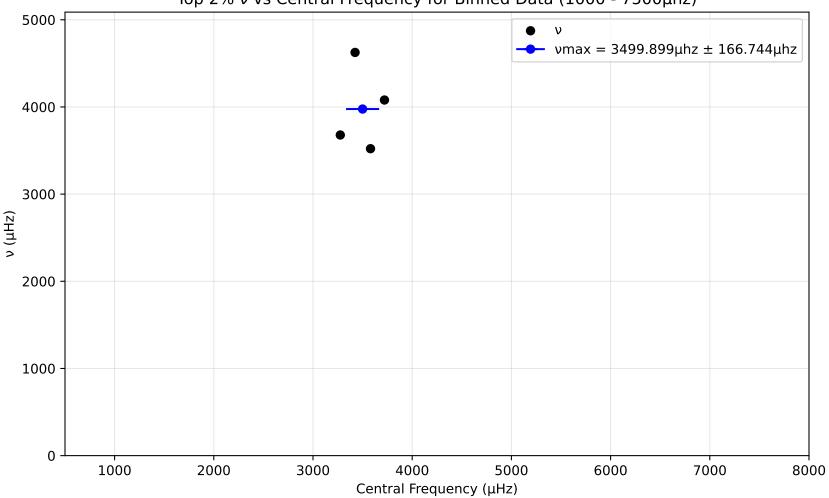


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.85.pow. Drowned by noise at 17.0%.





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

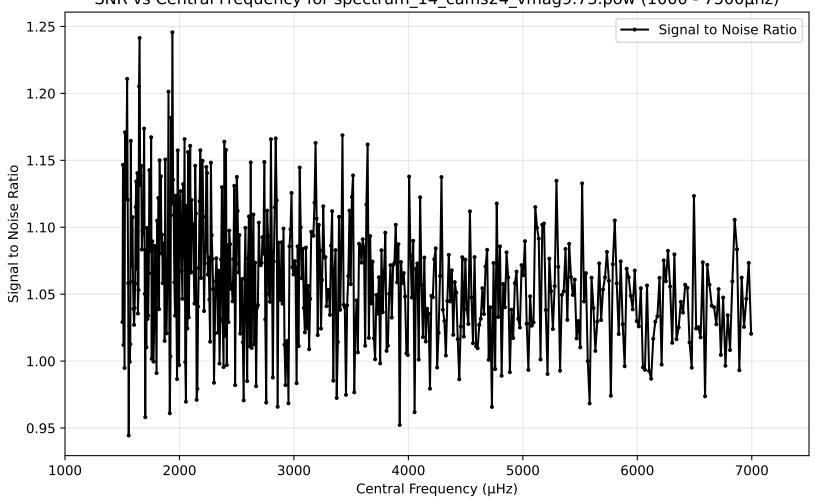


SNR vs Central Frequency for spectrum\_14\_cams24\_vmag9.04.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_14\_cams24\_vmag9.04.pow. Drowned by noise at 7.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 -X 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

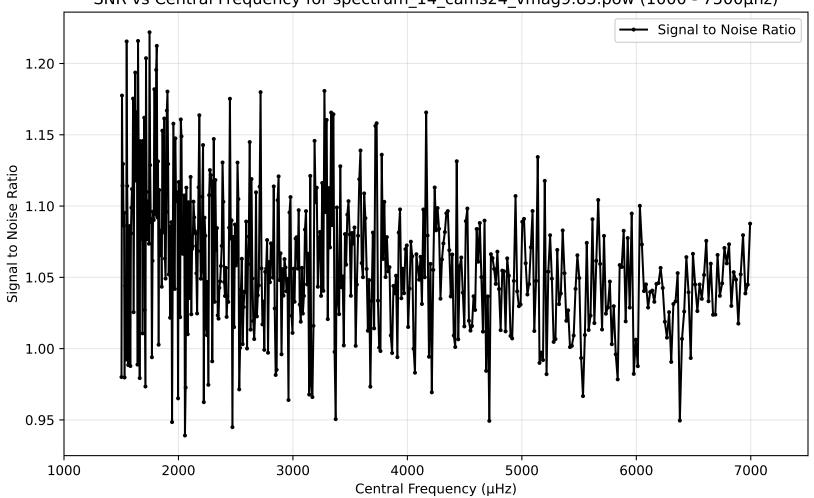
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag9.73.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_14\_cams24\_vmag9.73.pow. Drowned by noise at 7.0%. SNR with increasing percentage 1.22 1.20 1.18 -1.16 S 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

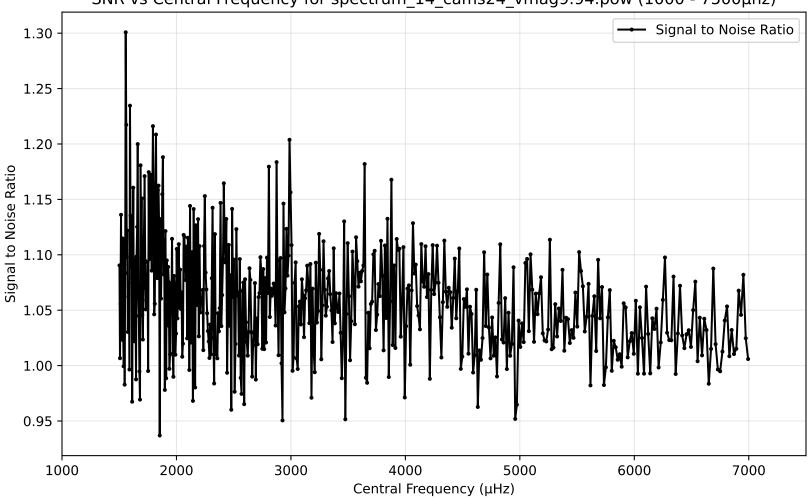
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag9.83.pow (1000 - 7500µhz)



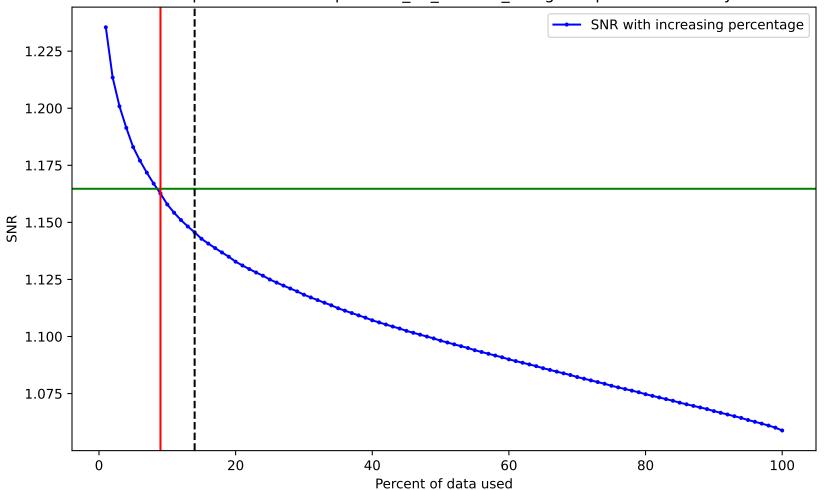
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag9.83.pow. Drowned by noise at 8.0%. 1.22 SNR with increasing percentage 1.20 1.18 1.16 ¥ 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

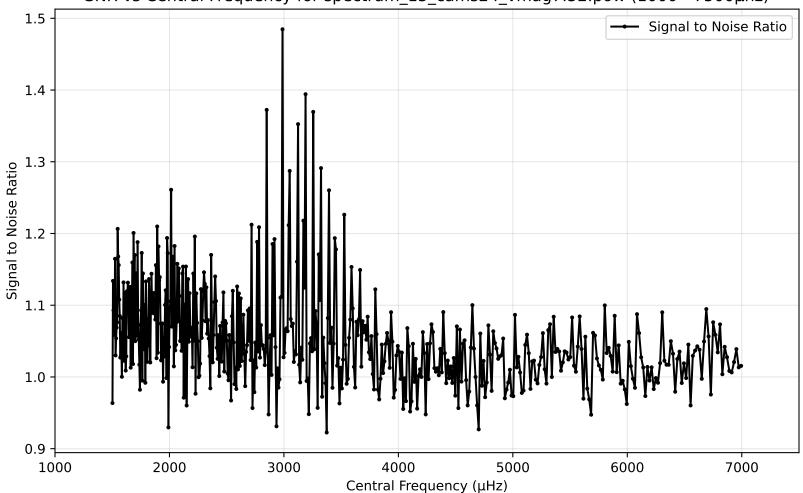
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag9.94.pow (1000 - 7500µhz)



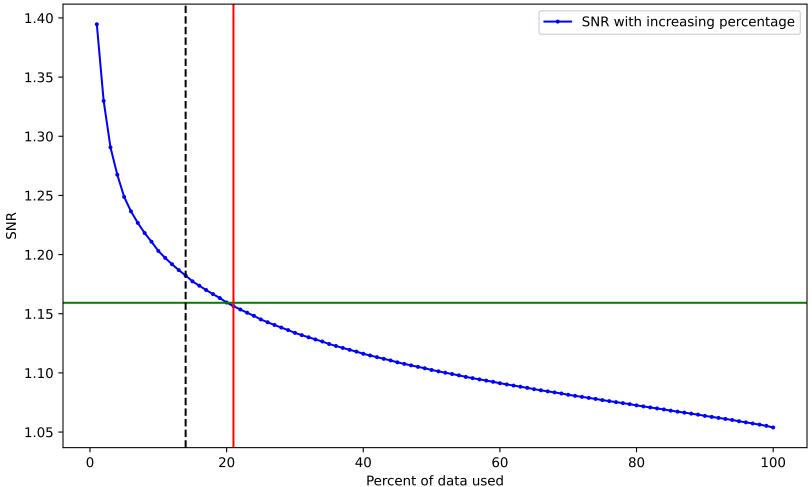
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag9.94.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag7.52.pow (1000 -  $7500\mu hz$ )

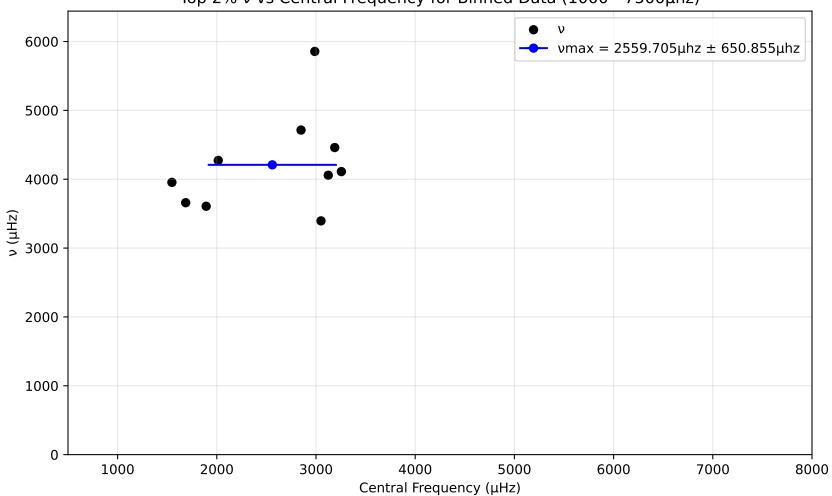


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag7.52.pow. Drowned by noise at 21.0%.



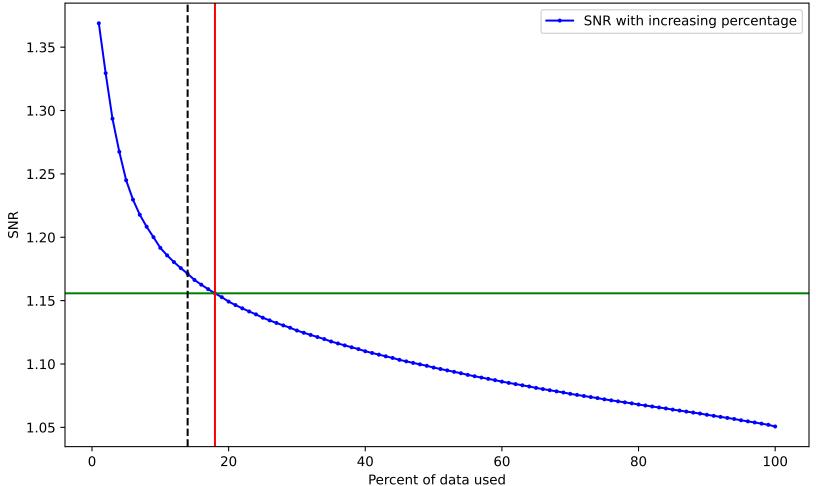
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

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



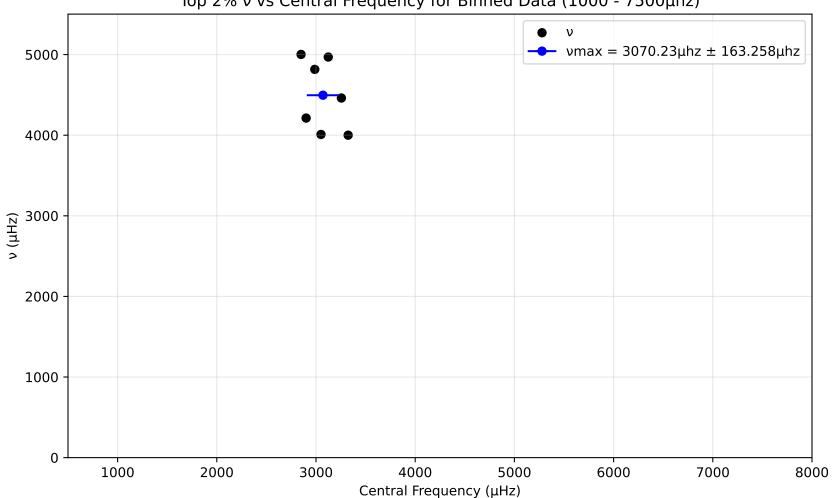
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag7.63.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_15\_cams24\_vmag7.63.pow. Drowned by noise at 18.0%.

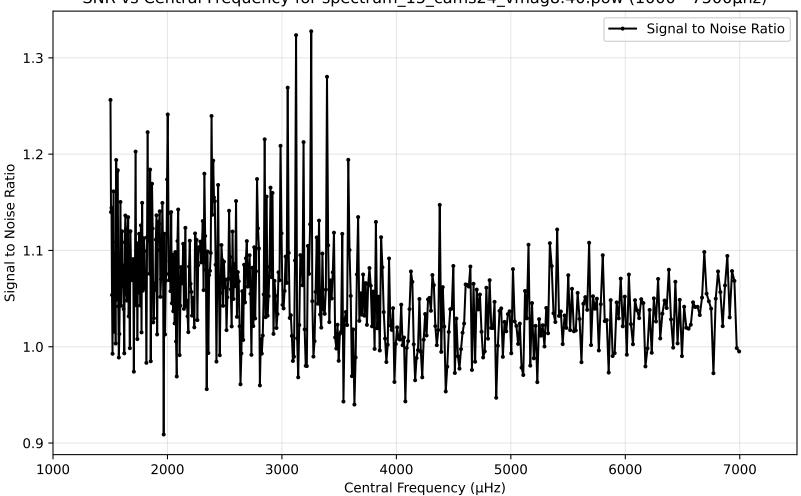


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500  $\mu hz)$ v (µHz) -1000

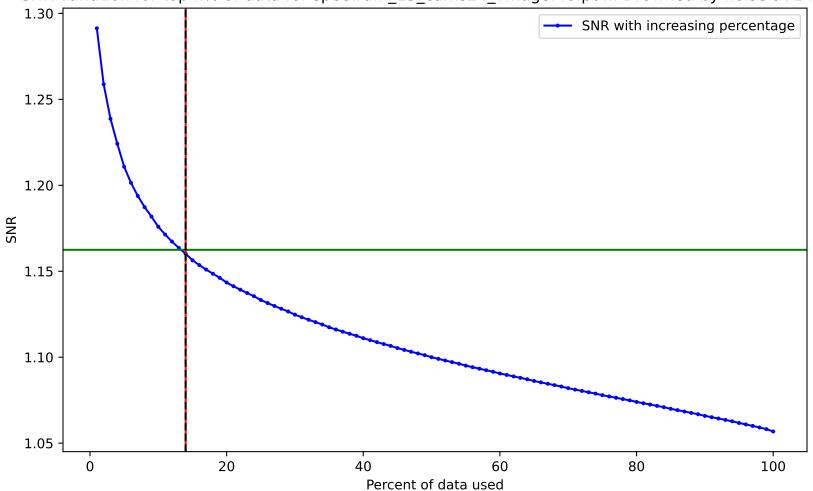
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



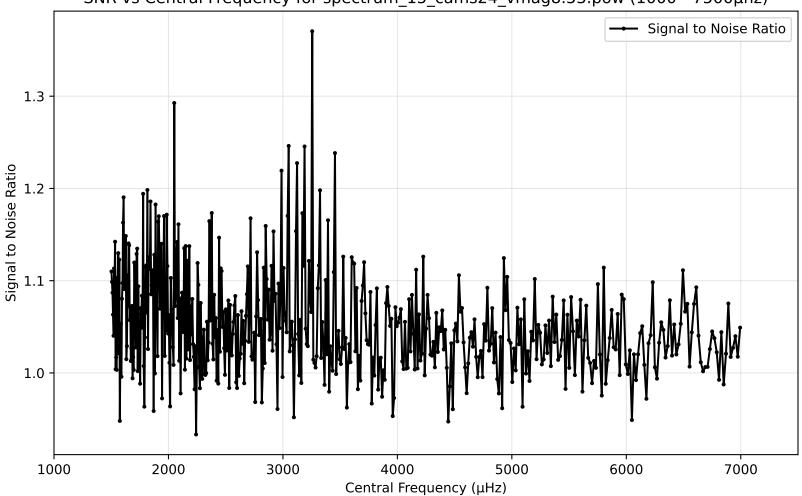
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.40.pow (1000 - 7500µhz)



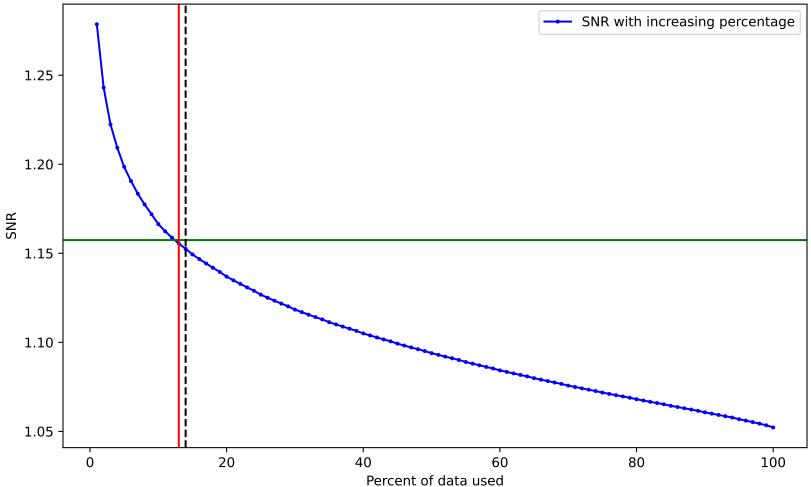
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.40.pow. Drowned by noise at 14.0%.



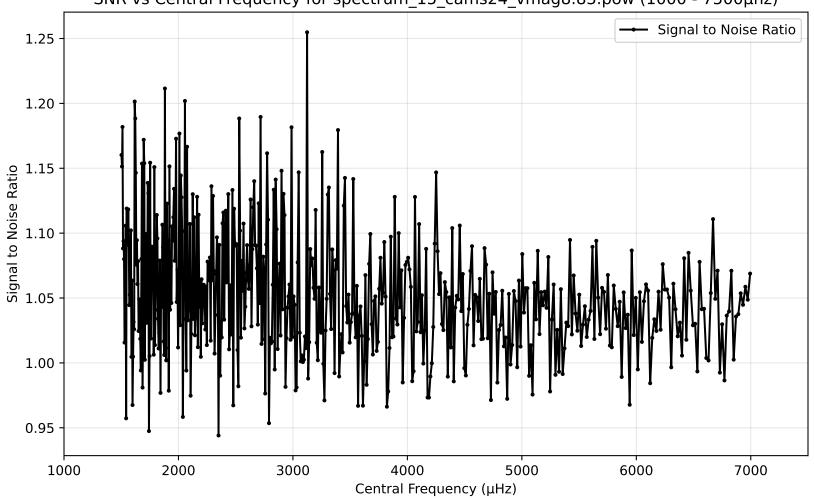
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.53.pow (1000 - 7500µhz)



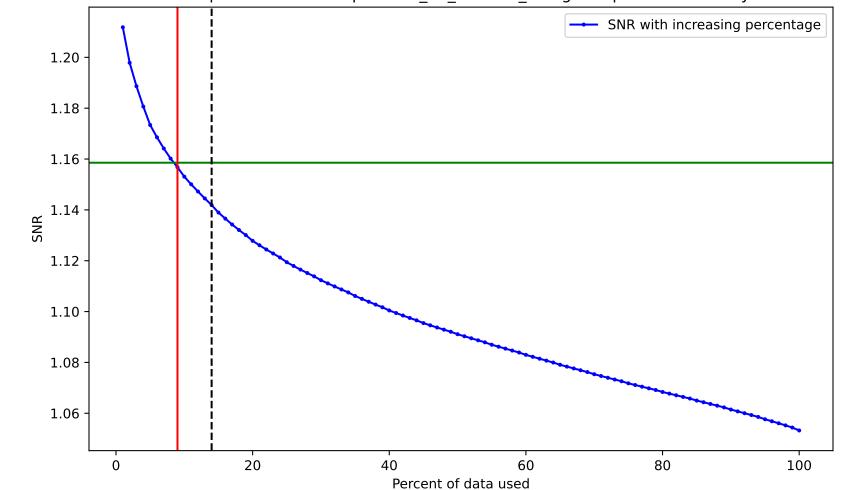
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.53.pow. Drowned by noise at 13.0%.



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.83.pow (1000 - 7500µhz)

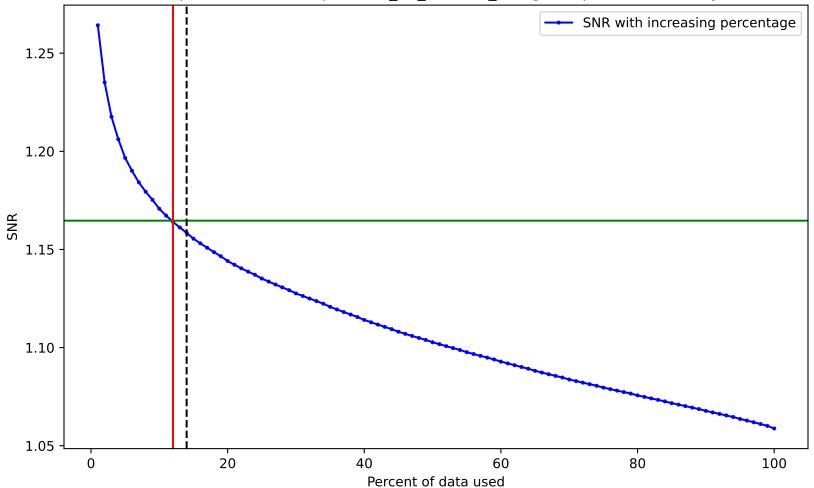


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.83.pow. Drowned by noise at 9.0%.

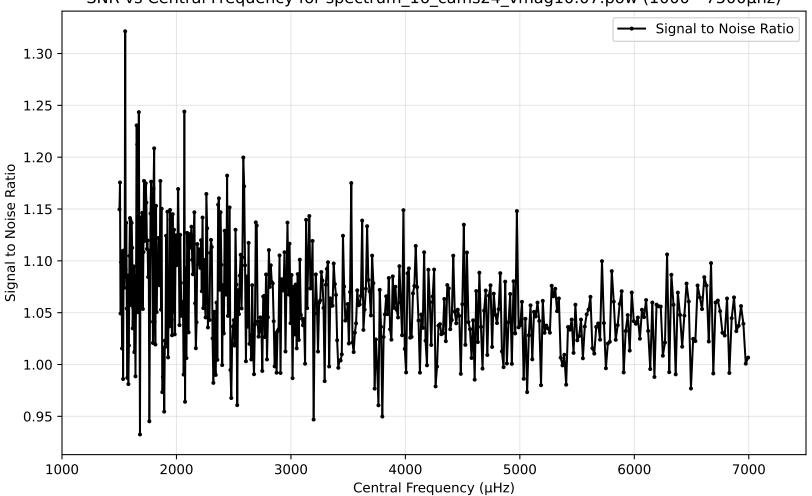


SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.95.pow (1000 - 7500µhz) 1.35 Signal to Noise Ratio 1.30 1.25 Signal to Noise Ratio 1.05 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.95.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag10.07.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_16\_cams24\_vmag10.07.pow. Drowned by noise at 9.0%. SNR with increasing percentage 1.250 1.225 1.200 1.175 -X 1.150 -1.125 -1.100 1.075

40

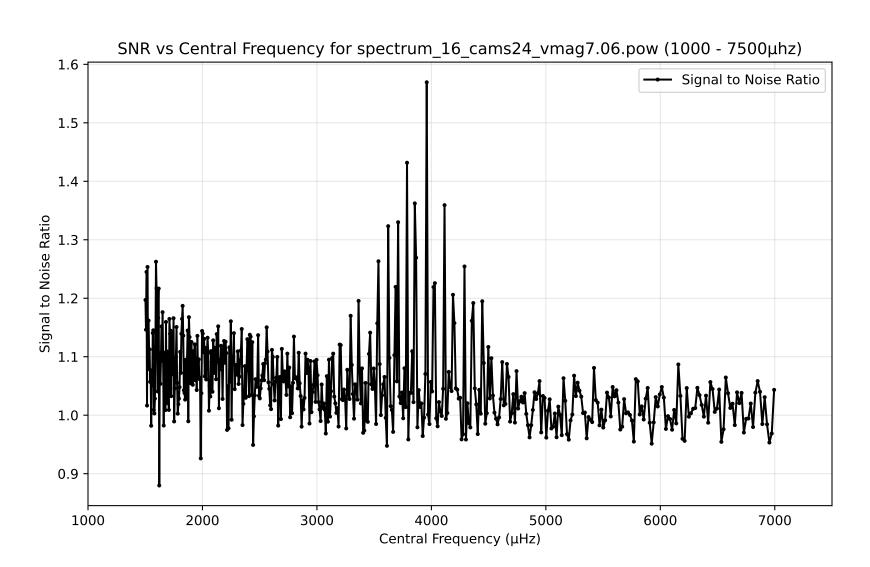
60

Percent of data used

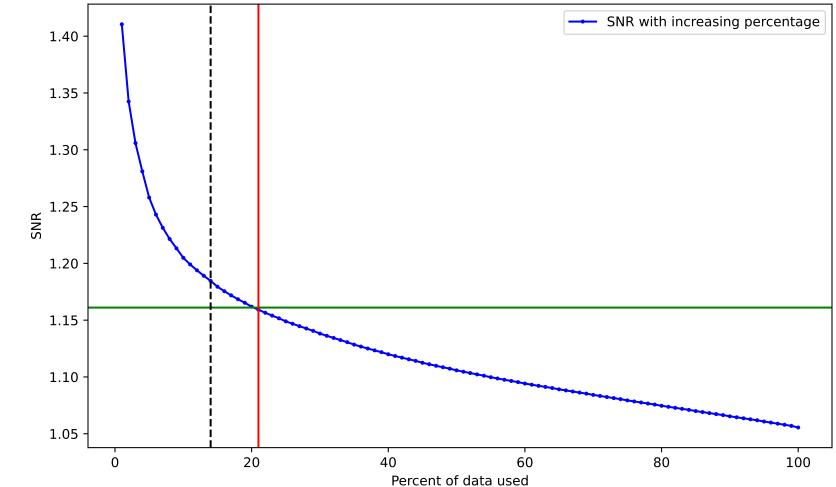
80

100

20

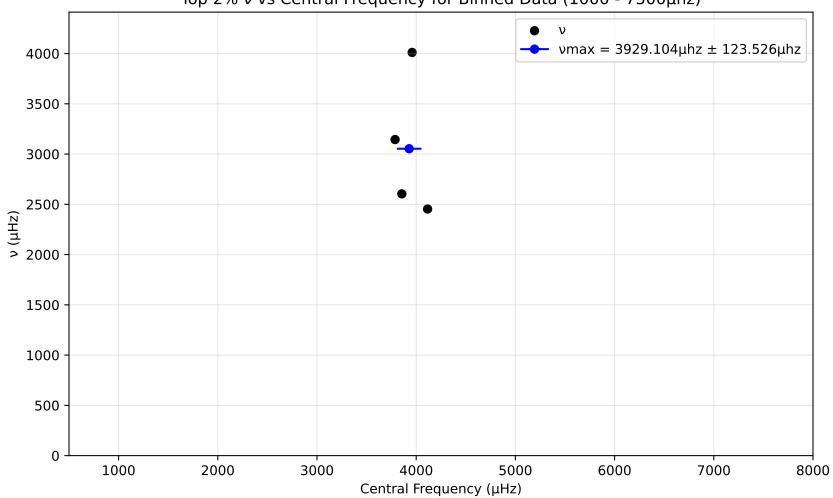


SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.06.pow. Drowned by noise at 21.0%.

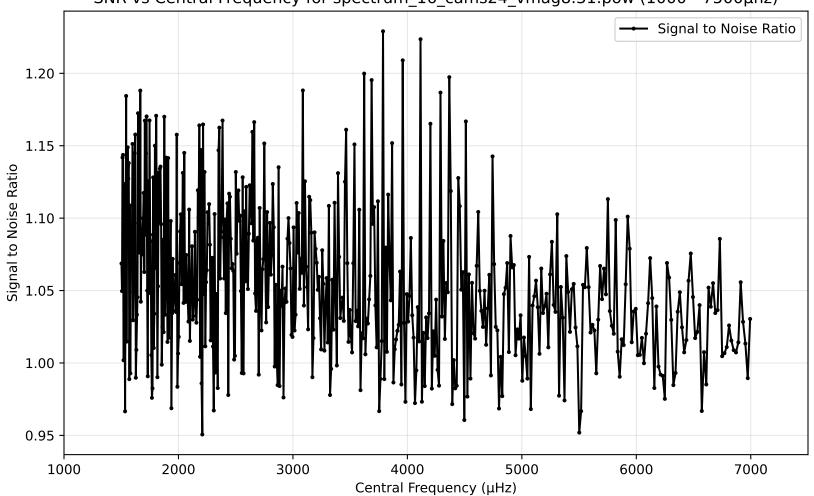


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

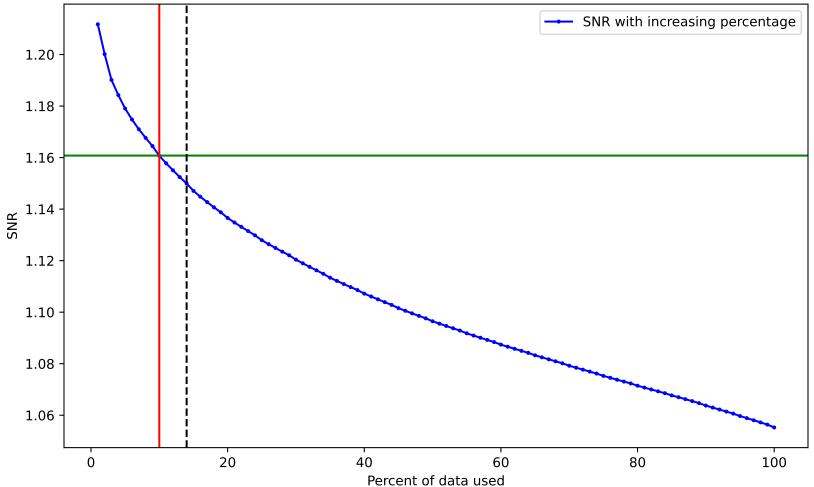
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



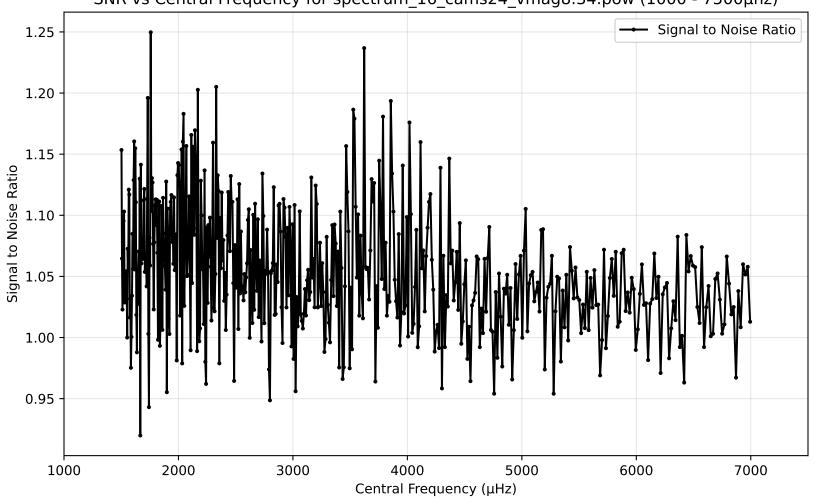
SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.31.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.31.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.34.pow (1000 - 7500µhz)

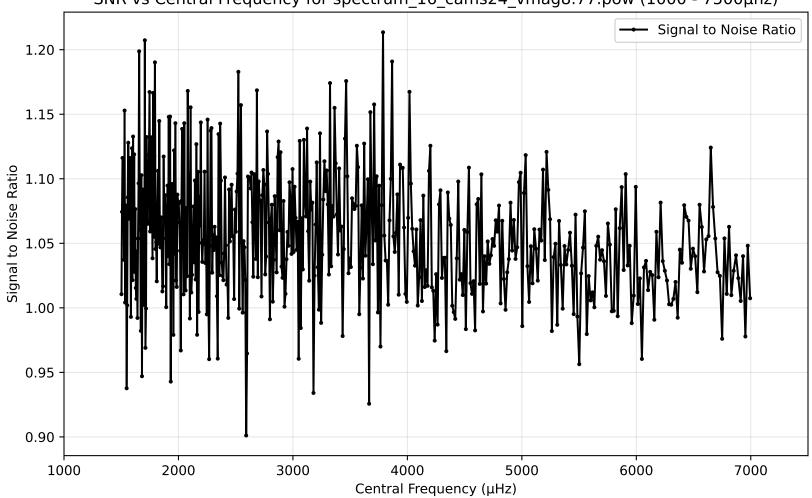


SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.34.pow. Drowned by noise at 9.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 1.050 -20 40 60 80 100

Percent of data used

SNR

SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.77.pow (1000 - 7500µhz)



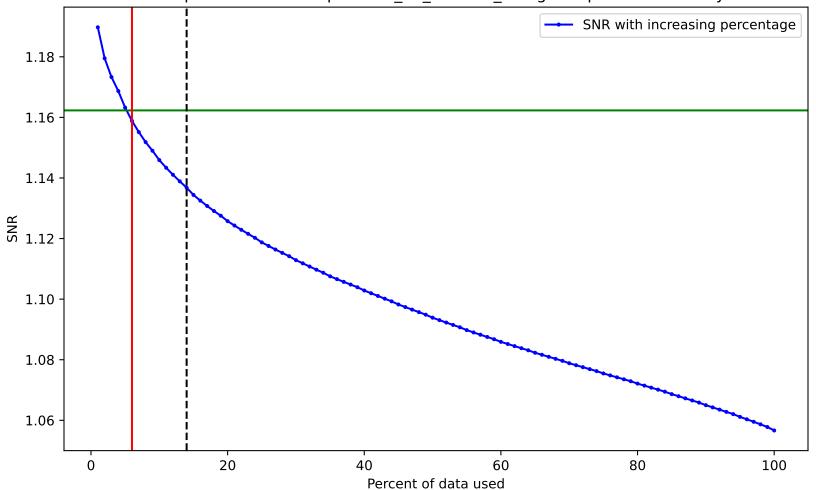
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.77.pow. Drowned by noise at 6.0%. SNR with increasing percentage 1.20 1.18 1.16 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100

Percent of data used

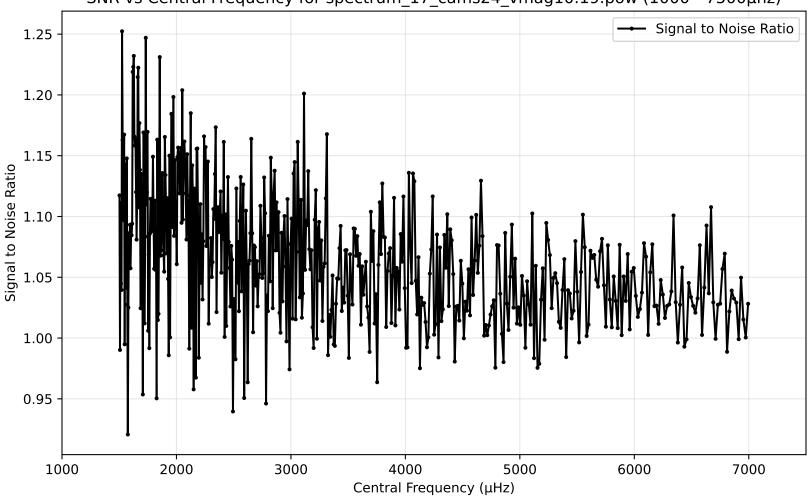
SNR

SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.88.pow (1000 - 7500µhz) 1.20 Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

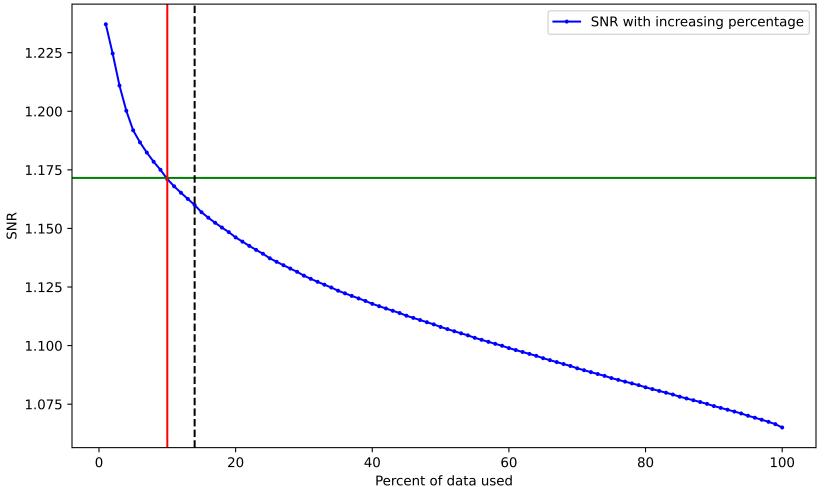
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.88.pow. Drowned by noise at 6.0%.

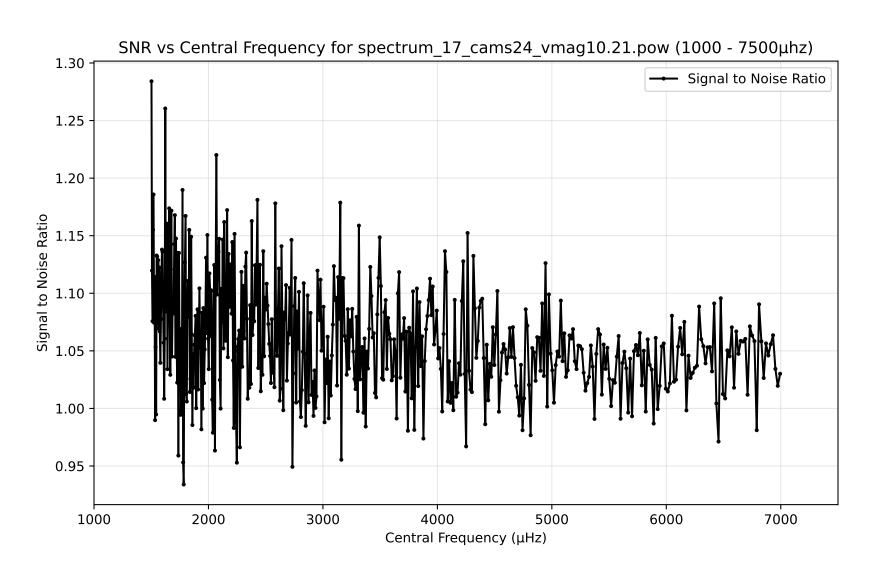


SNR vs Central Frequency for spectrum\_17\_cams24\_vmag10.19.pow (1000 - 7500µhz)

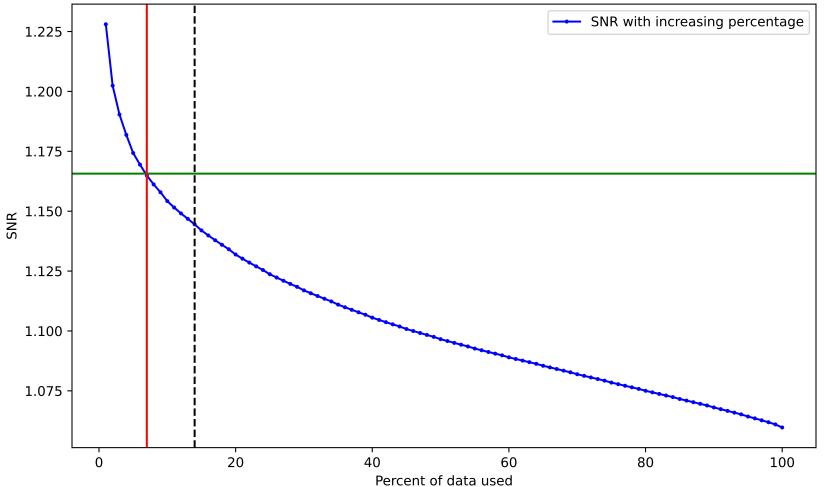


SNR variation for top n% of data for spectrum\_17\_cams24\_vmag10.19.pow. Drowned by noise at 10.0%.

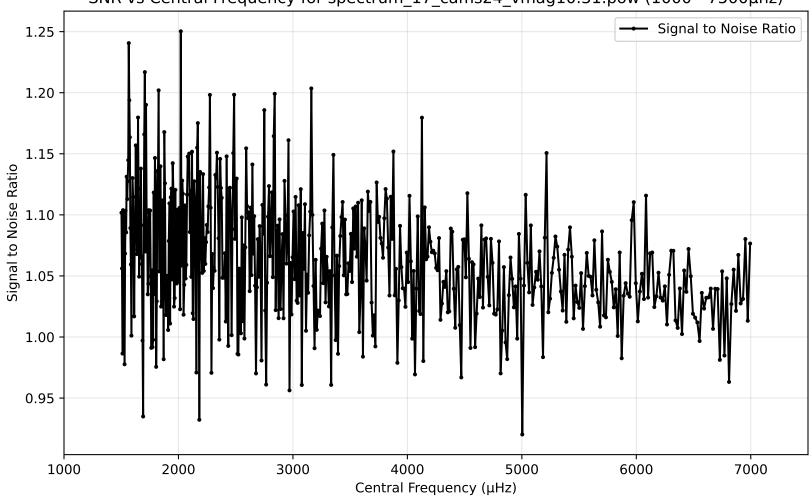




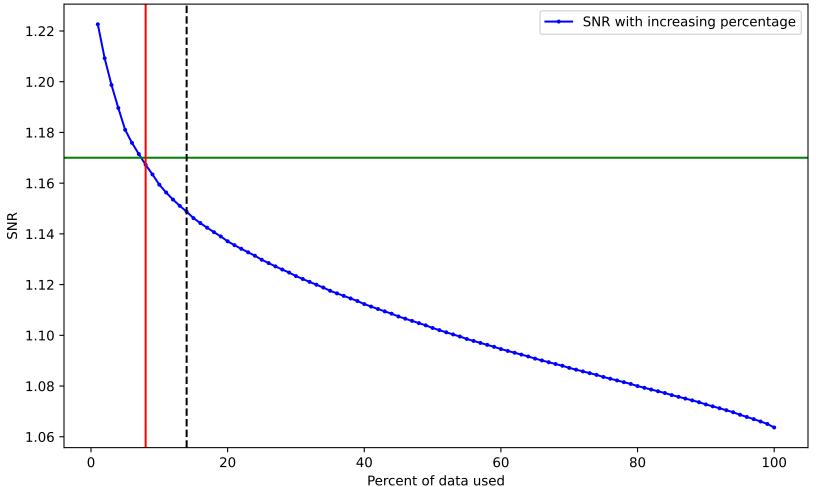
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag10.21.pow. Drowned by noise at 7.0%.



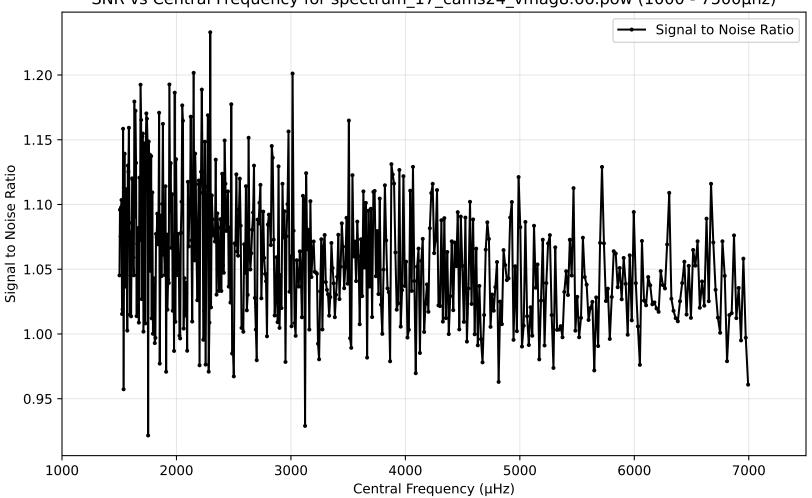
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag10.31.pow (1000 - 7500µhz)



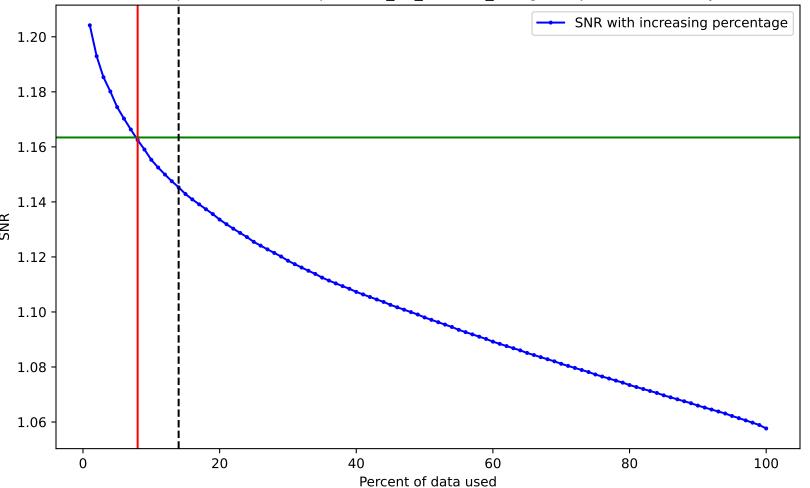
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag10.31.pow. Drowned by noise at 8.0%.



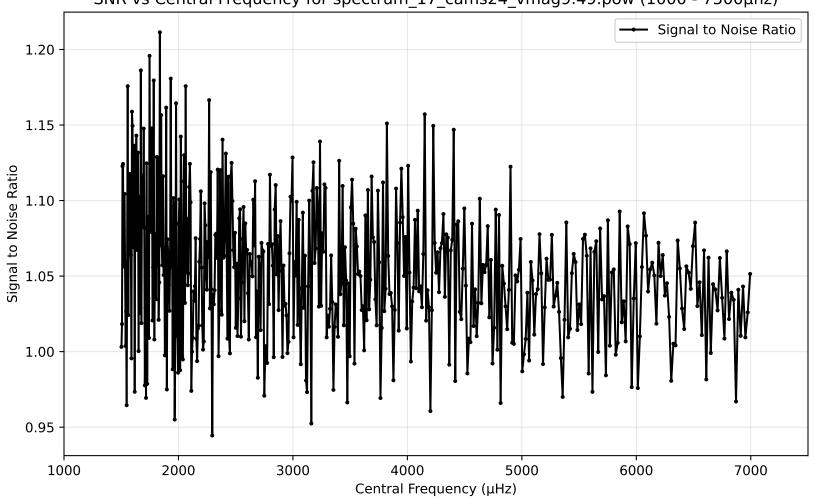
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag8.66.pow (1000 - 7500µhz)



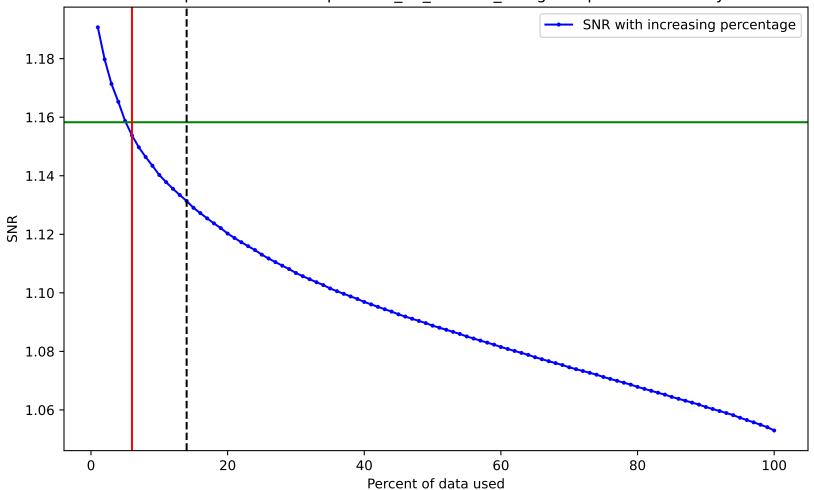
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag8.66.pow. Drowned by noise at 8.0%.



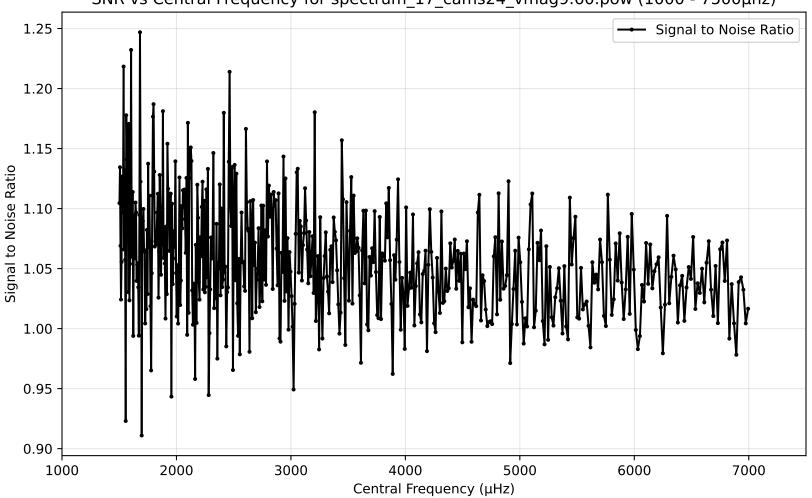
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag9.49.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_17\_cams24\_vmag9.49.pow. Drowned by noise at 6.0%.



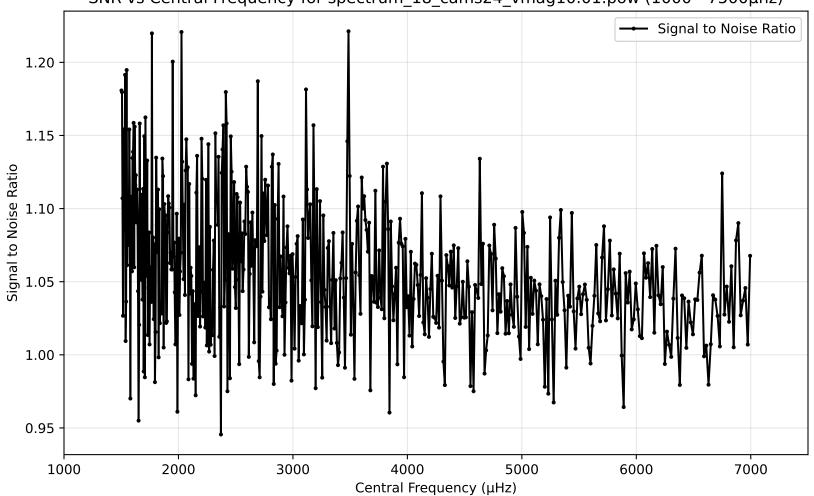
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag9.60.pow (1000 - 7500µhz)



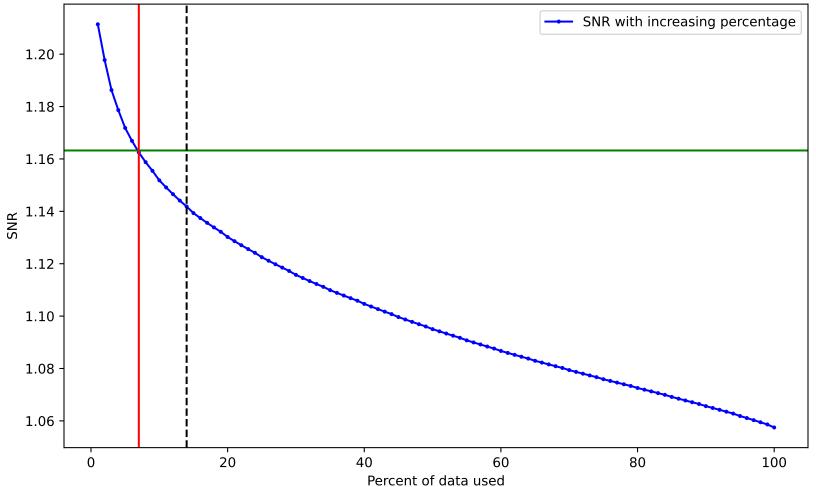
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag9.60.pow. Drowned by noise at 7.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 ¥ 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

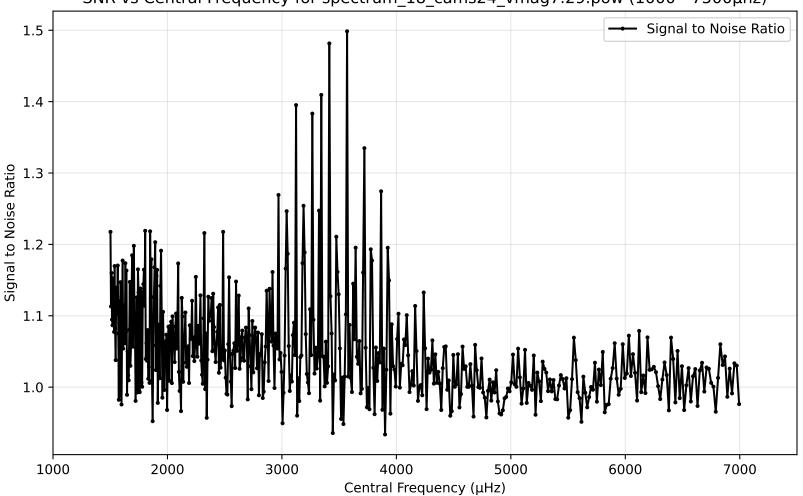
SNR vs Central Frequency for spectrum\_18\_cams24\_vmag10.01.pow (1000 - 7500µhz)

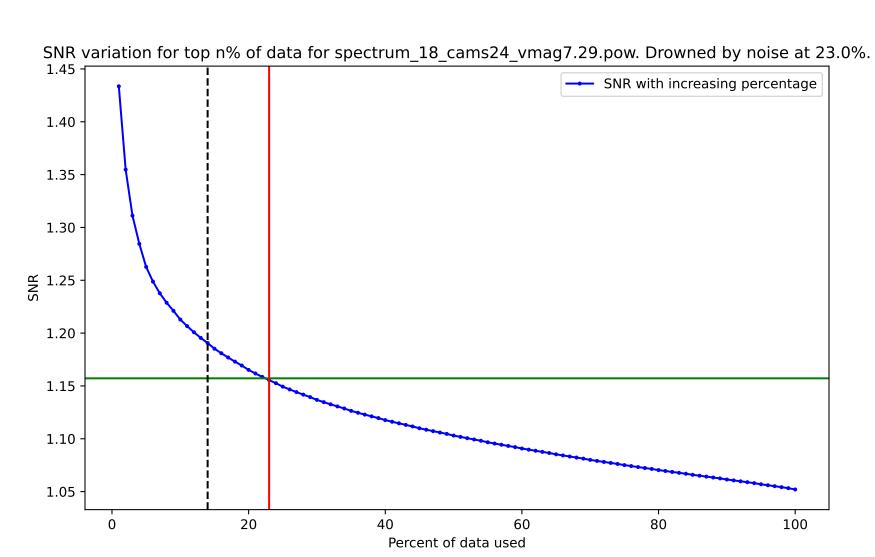


SNR variation for top n% of data for spectrum\_18\_cams24\_vmag10.01.pow. Drowned by noise at 7.0%.



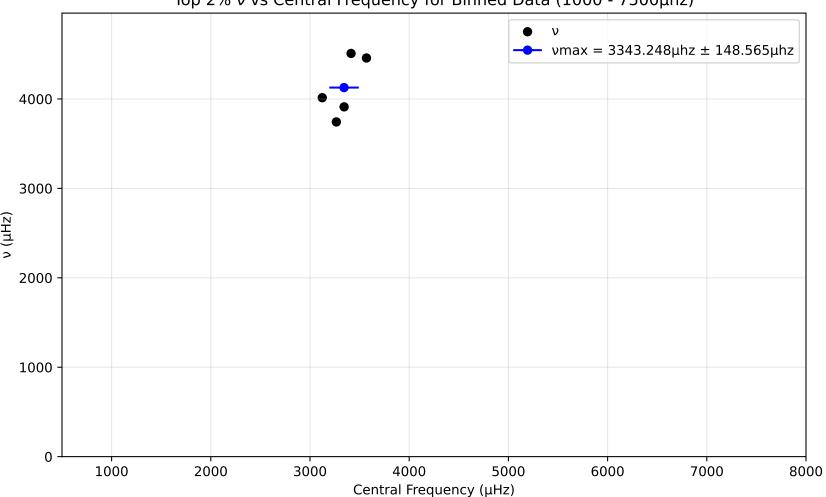
SNR vs Central Frequency for spectrum\_18\_cams24\_vmag7.29.pow (1000 - 7500µhz)



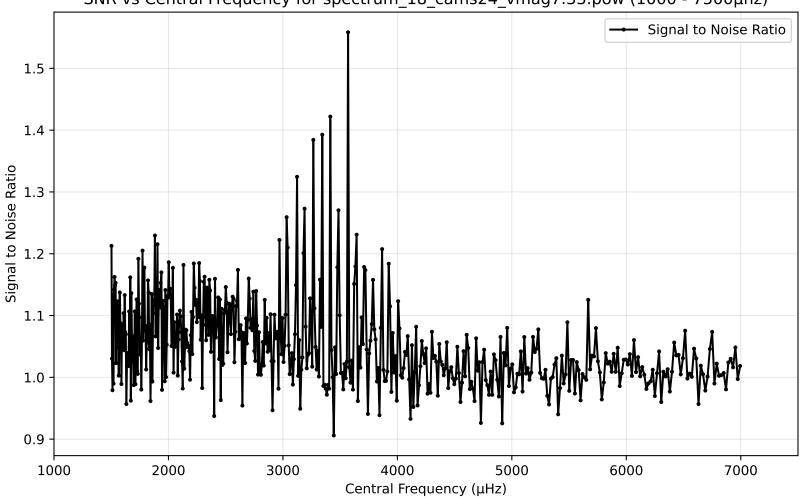


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) (HHZ) 2 

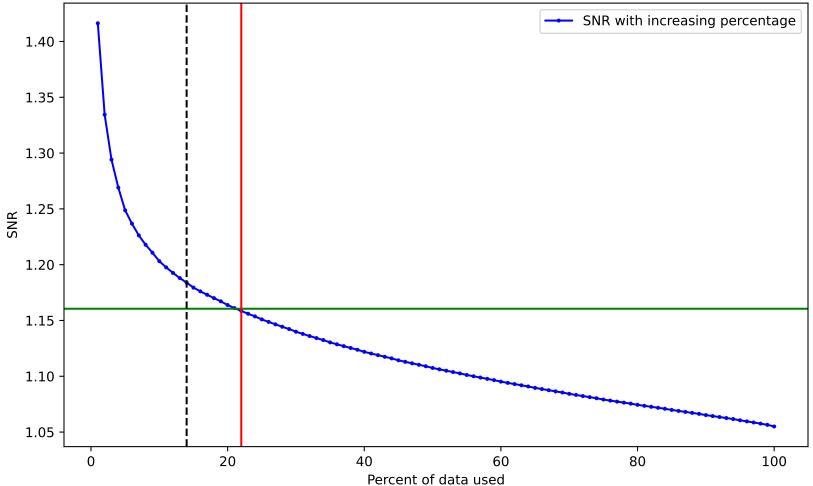
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag7.33.pow (1000 - 7500µhz)

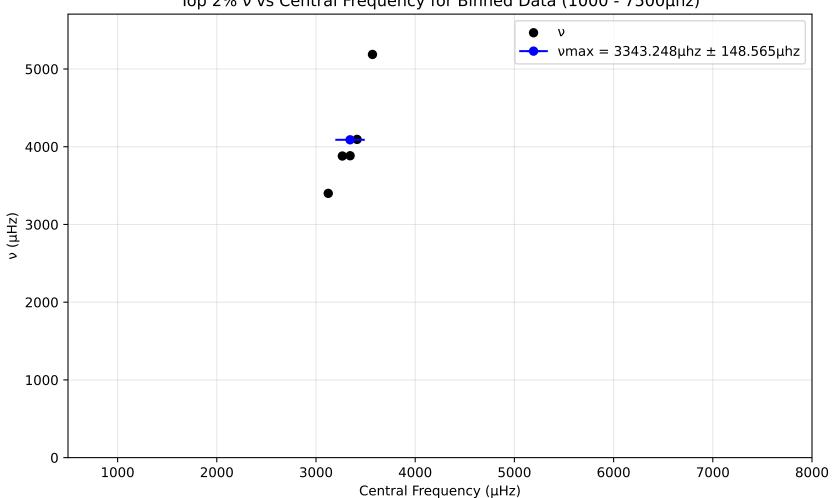


SNR variation for top n% of data for spectrum\_18\_cams24\_vmag7.33.pow. Drowned by noise at 22.0%.

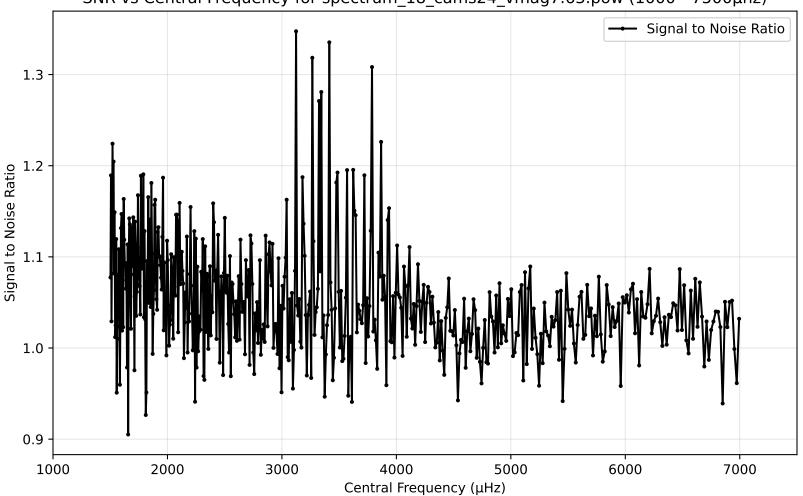


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -Central Frequency (µHz)

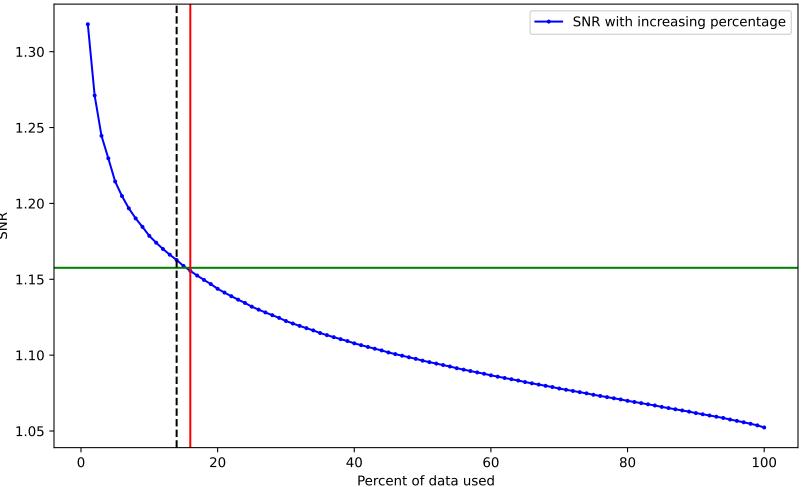
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag7.63.pow (1000 - 7500µhz)

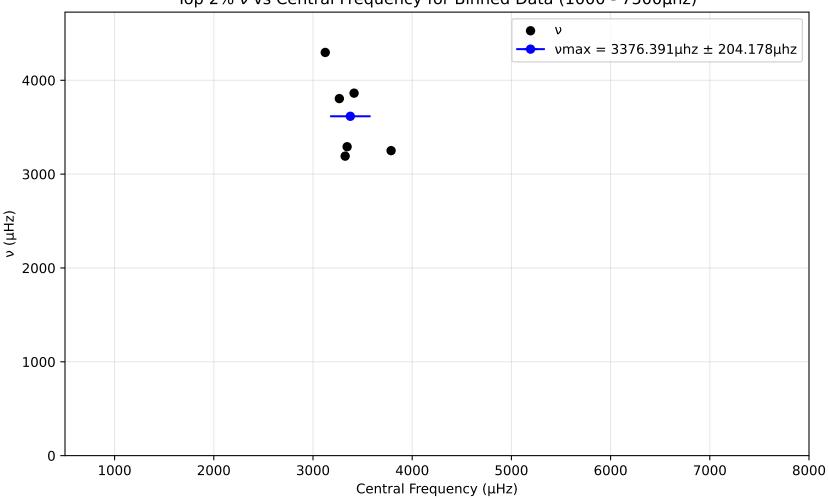


SNR variation for top n% of data for spectrum\_18\_cams24\_vmag7.63.pow. Drowned by noise at 16.0%.

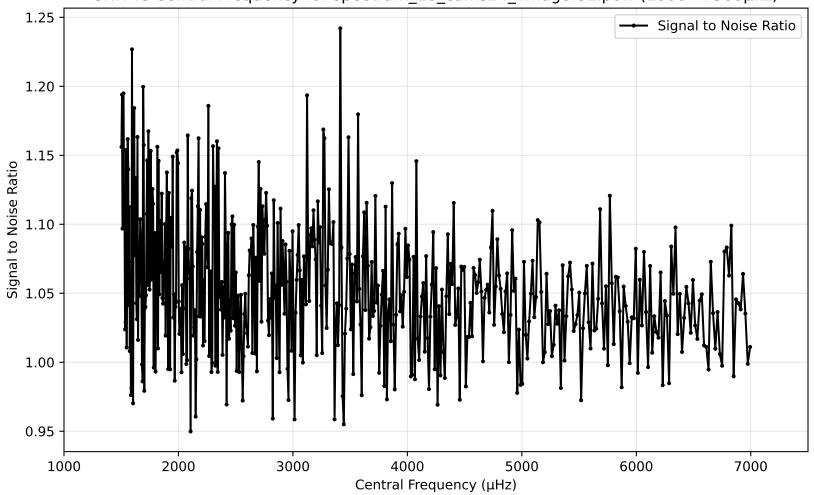


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 

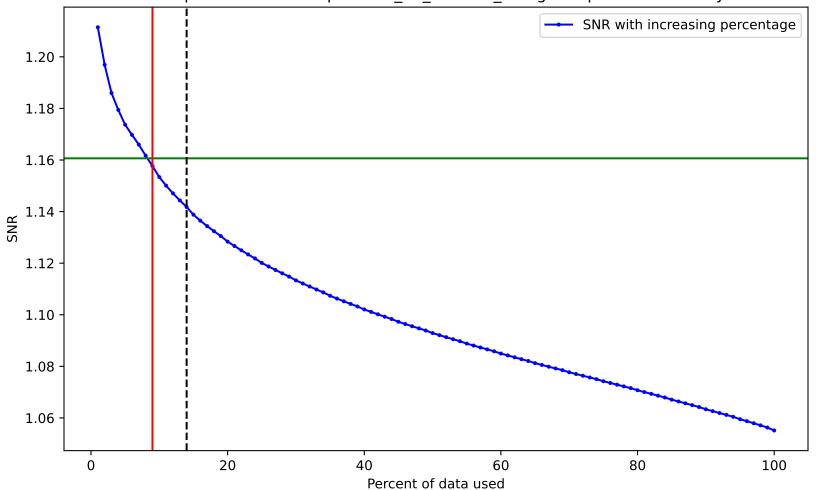
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag8.81.pow (1000 -  $7500\mu hz$ )

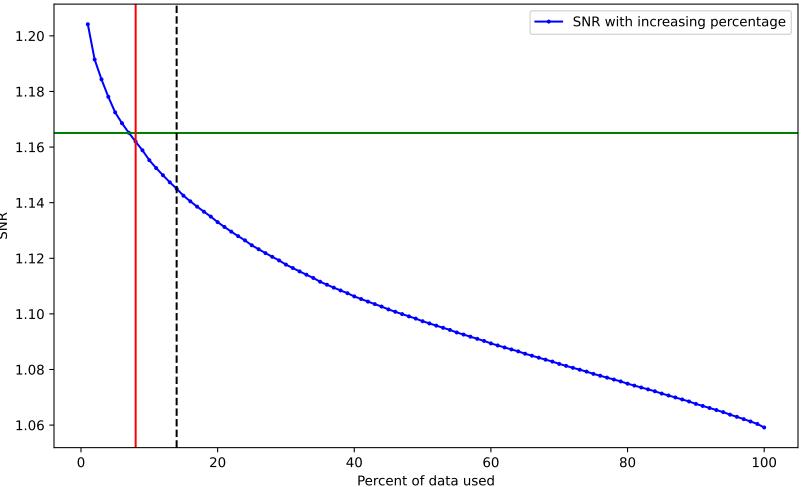


SNR variation for top n% of data for spectrum\_18\_cams24\_vmag8.81.pow. Drowned by noise at 9.0%.

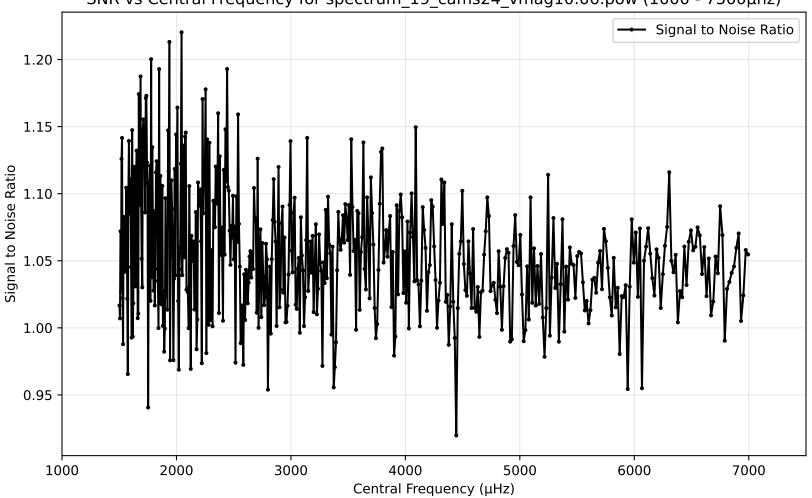


SNR vs Central Frequency for spectrum\_18\_cams24\_vmag9.75.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 -1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

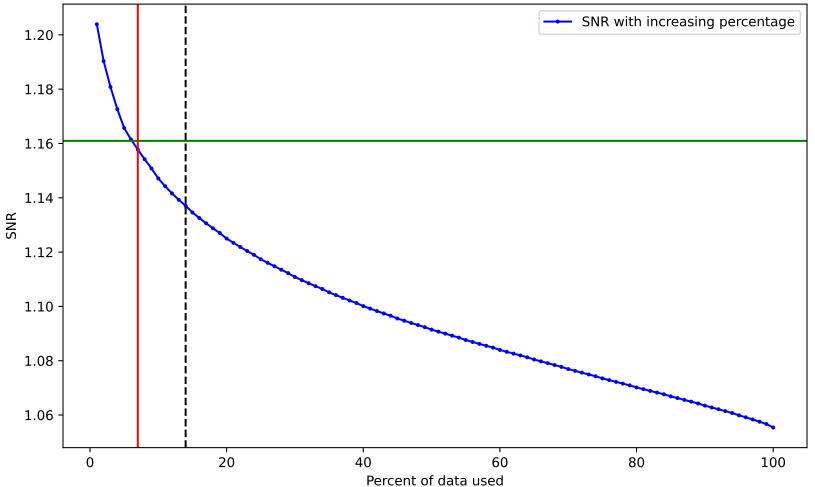
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag9.75.pow. Drowned by noise at 8.0%.



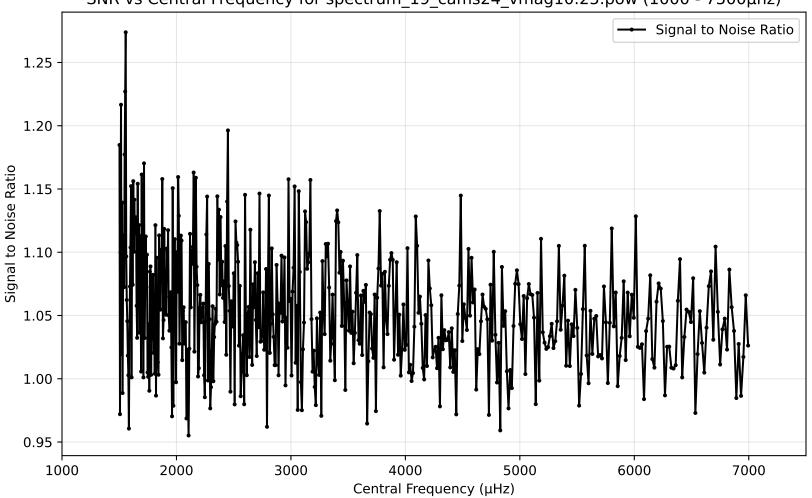
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag10.06.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_19\_cams24\_vmag10.06.pow. Drowned by noise at 7.0%.



SNR vs Central Frequency for spectrum\_19\_cams24\_vmag10.25.pow (1000 - 7500µhz)

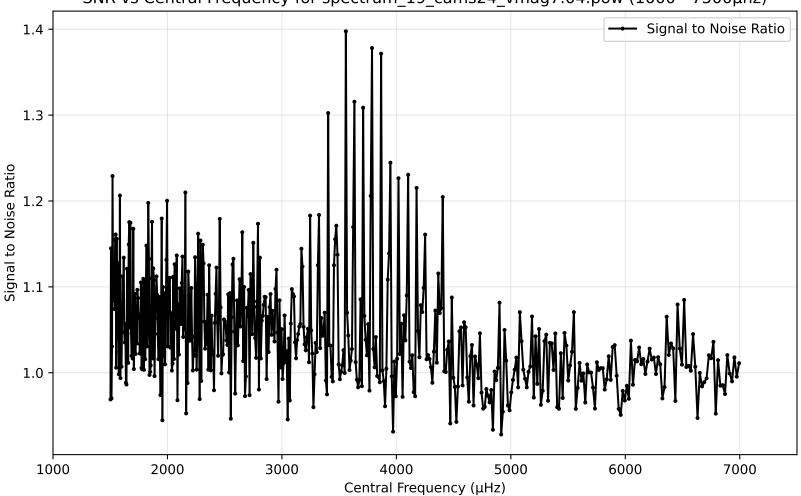


SNR variation for top n% of data for spectrum\_19\_cams24\_vmag10.25.pow. Drowned by noise at 7.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 1.050 -20 40 60 80 100

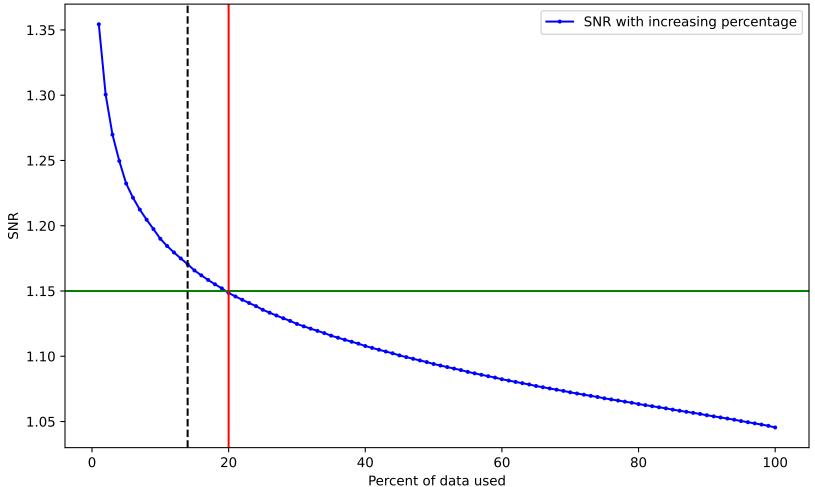
Percent of data used

SNR

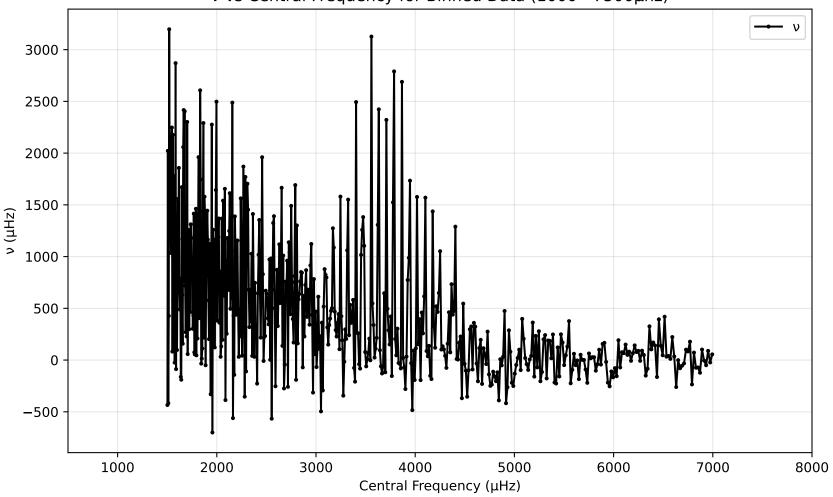
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag7.04.pow (1000 - 7500µhz)



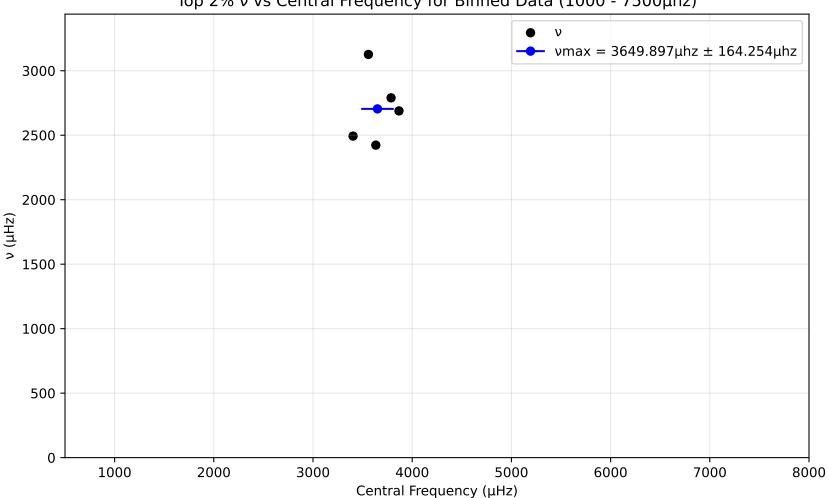
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag7.04.pow. Drowned by noise at 20.0%.



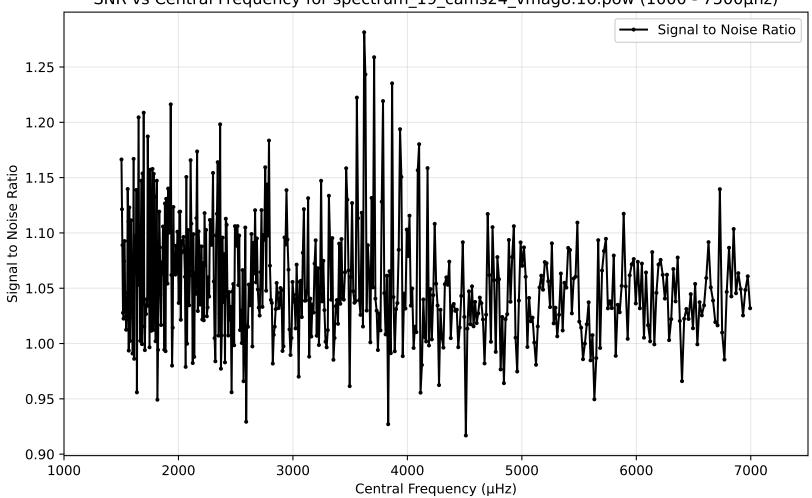
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



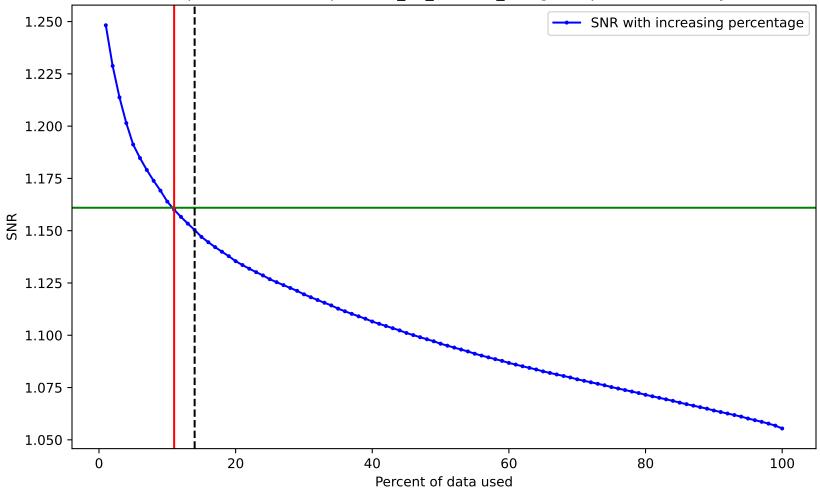
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



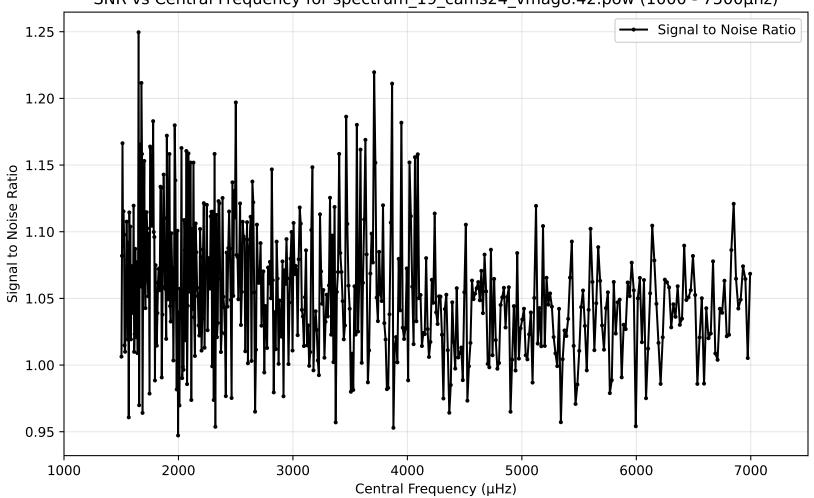
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.16.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.16.pow. Drowned by noise at 11.0%.



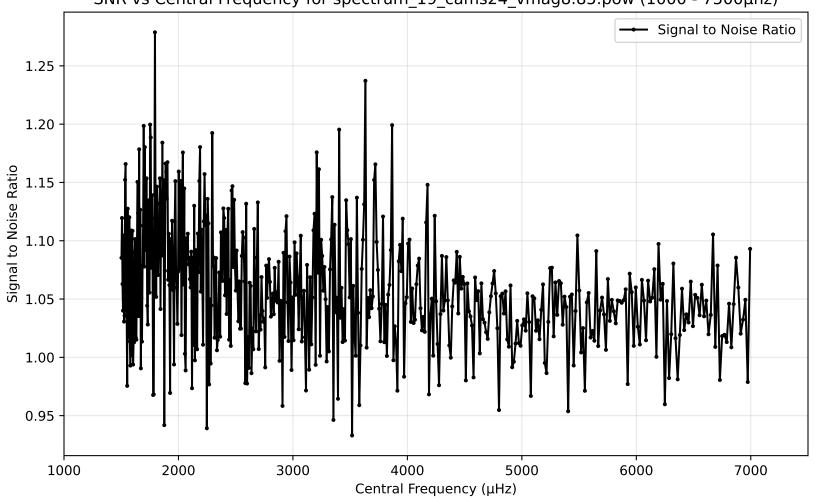
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.42.pow (1000 - 7500µhz)



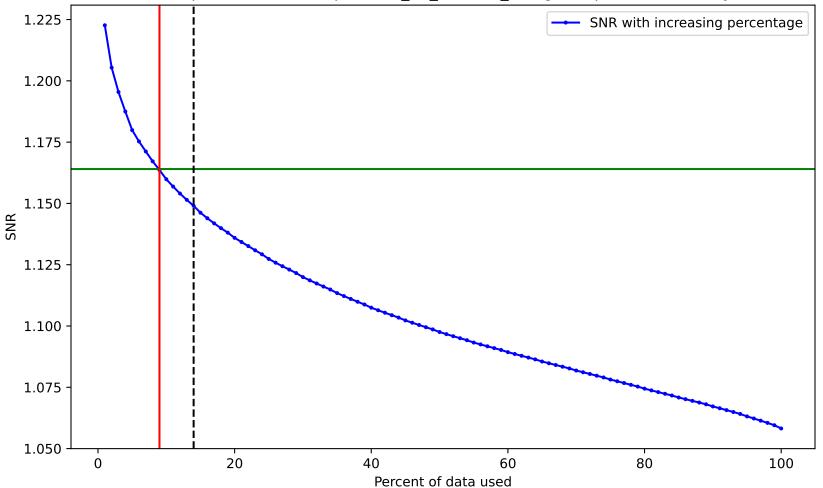
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.42.pow. Drowned by noise at 9.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 ¥ 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

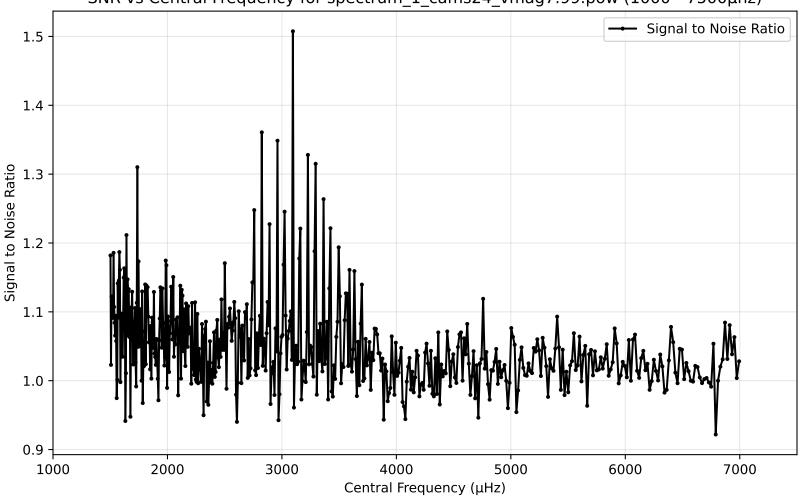
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.85.pow (1000 - 7500µhz)



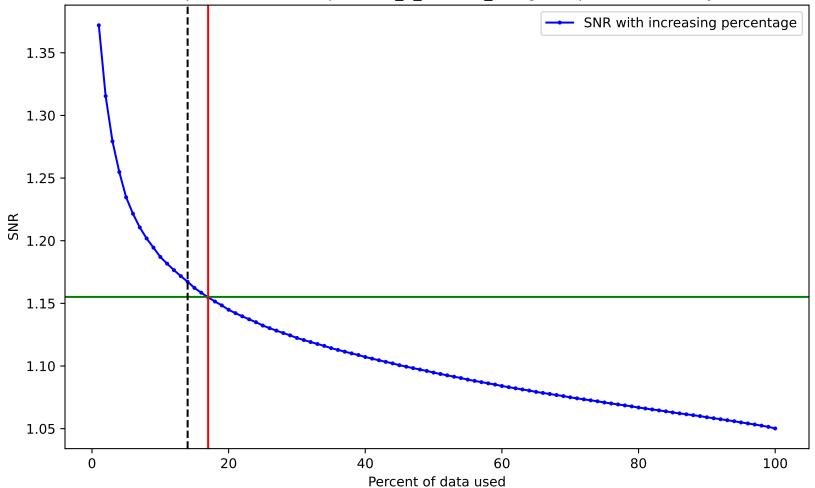
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.85.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_1\_cams24\_vmag7.99.pow (1000 - 7500µhz)



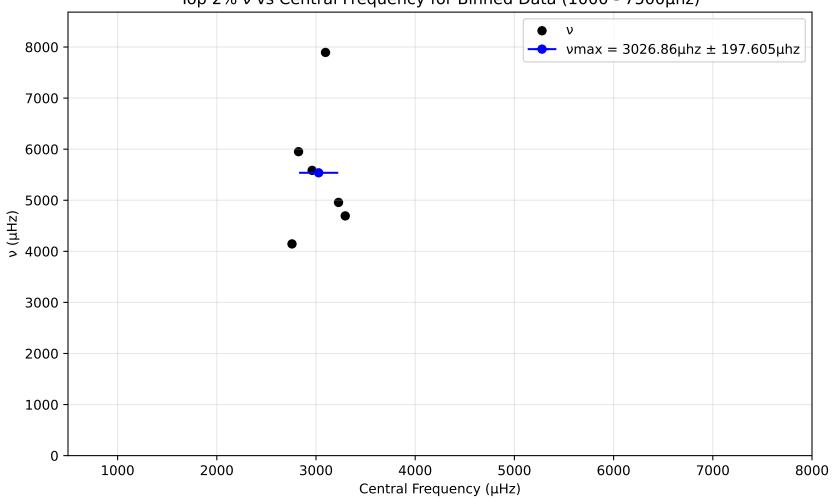
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag7.99.pow. Drowned by noise at 17.0%.



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\_vmag9.41.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\_1\_cams24\_vmag9.41.pow. Drowned by noise at 8.0%. 1.22 SNR with increasing percentage 1.20 1.18 1.16 X 1.14 1.12 1.10 1.08 1.06

60

Percent of data used

80

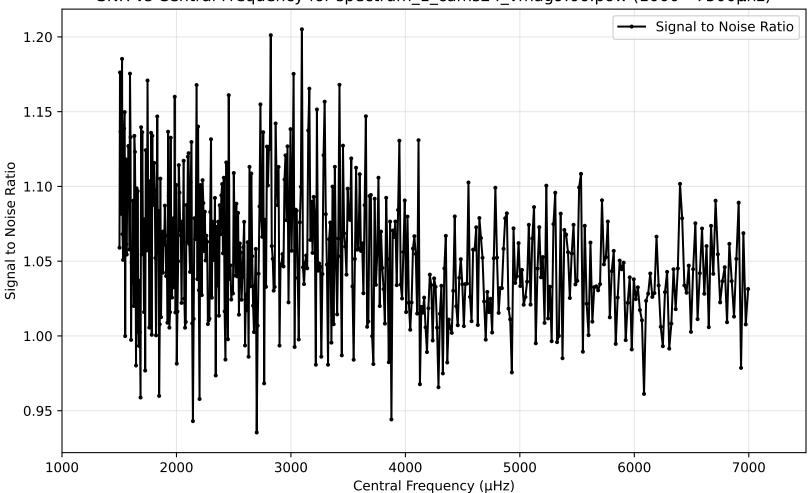
100

40

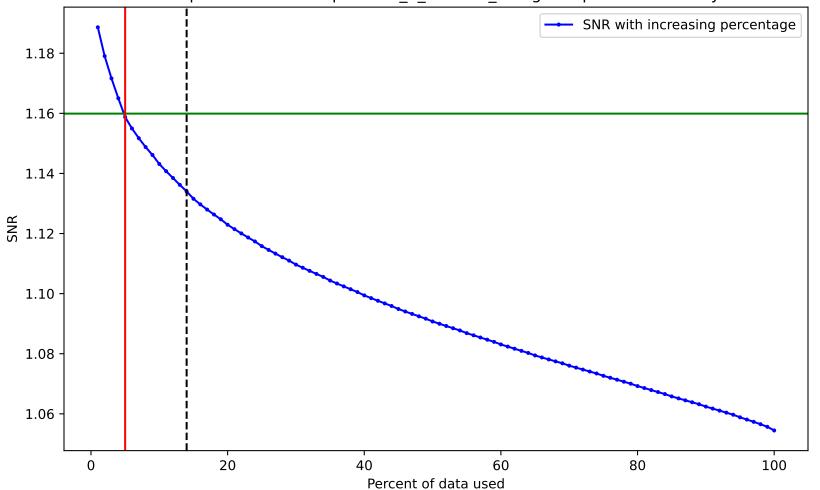
20

0

SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.66.pow (1000 - 7500µhz)



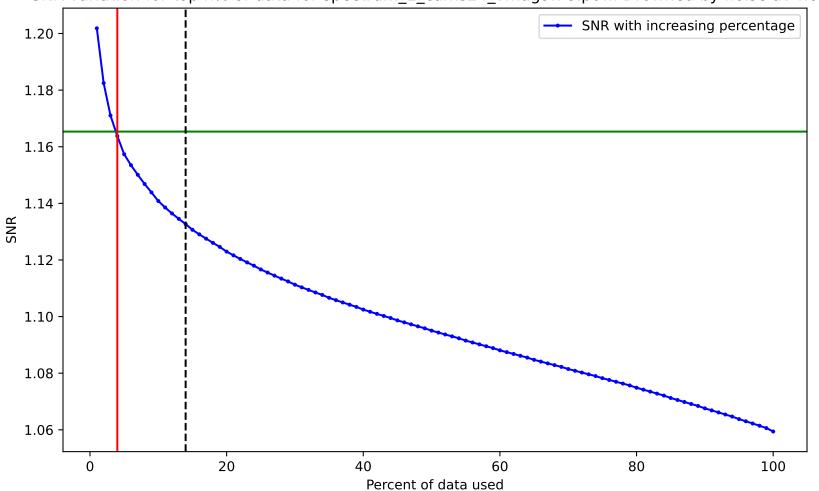
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.66.pow. Drowned by noise at 5.0%.



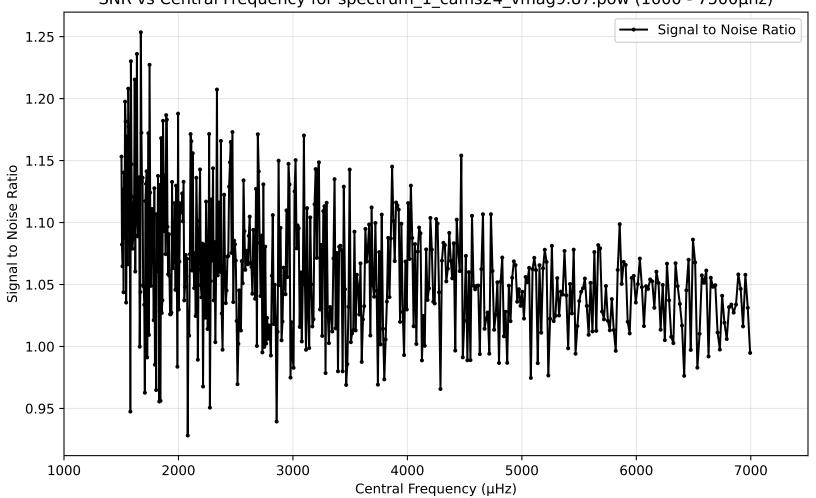
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.78.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 -1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

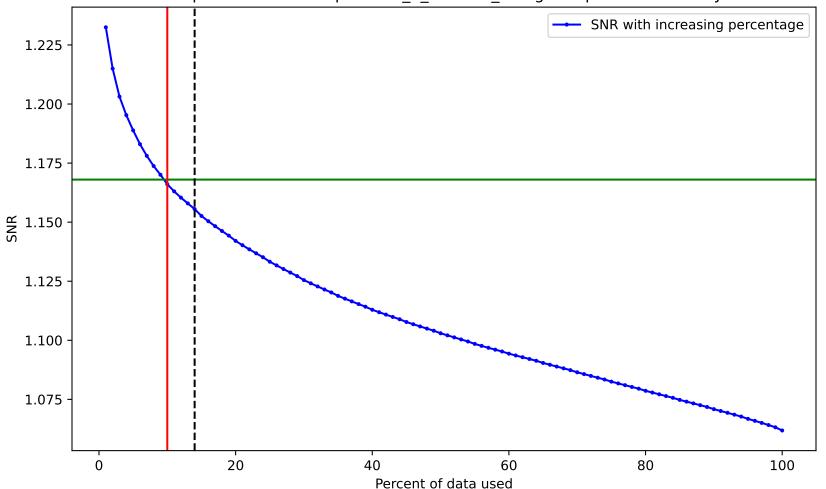
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.78.pow. Drowned by noise at 4.0%.



SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.87.pow (1000 - 7500µhz)

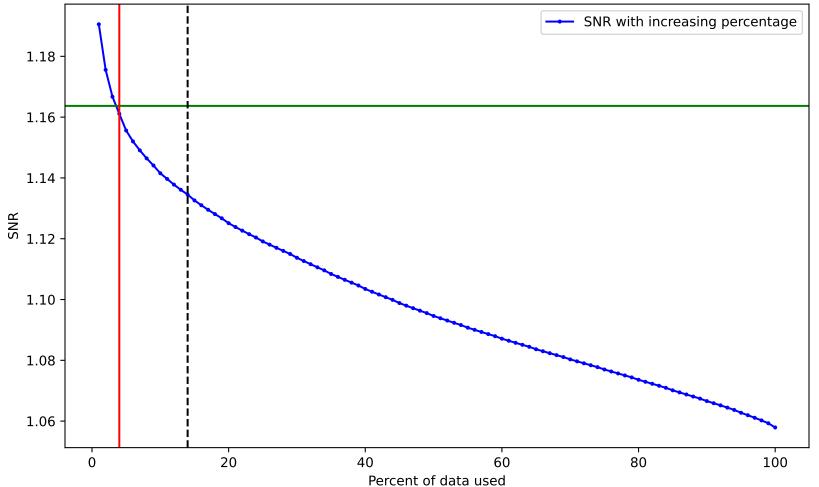


SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.87.pow. Drowned by noise at 10.0%.

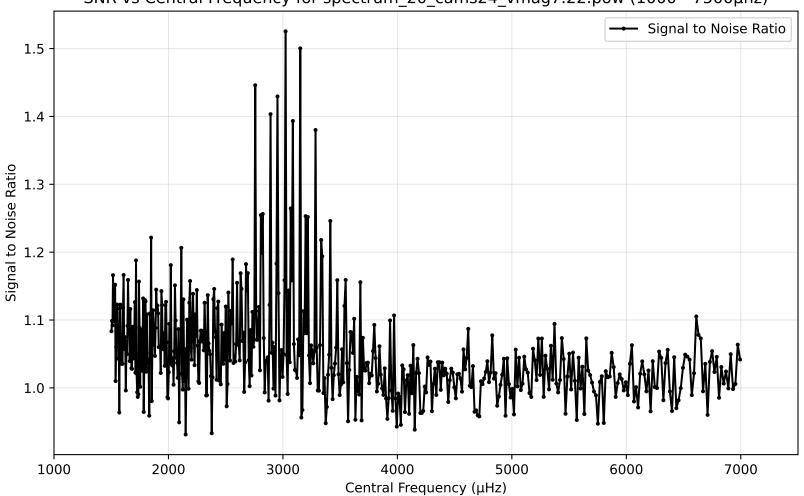


SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.94.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

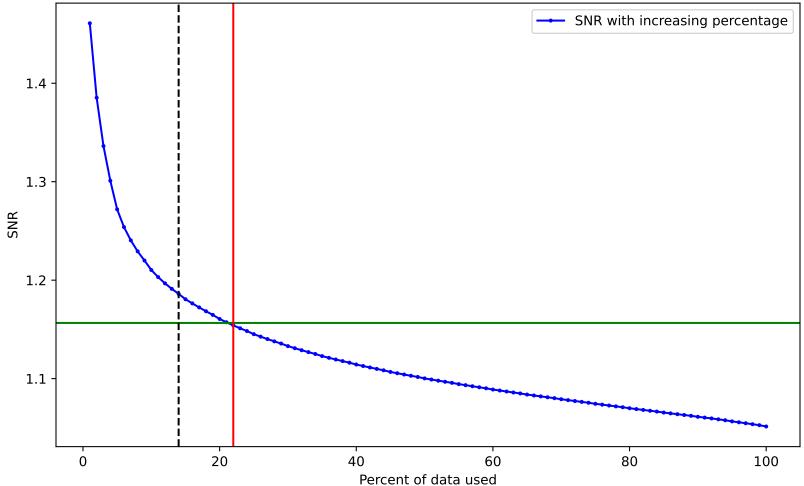
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.94.pow. Drowned by noise at 4.0%.



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.22.pow (1000 - 7500µhz)

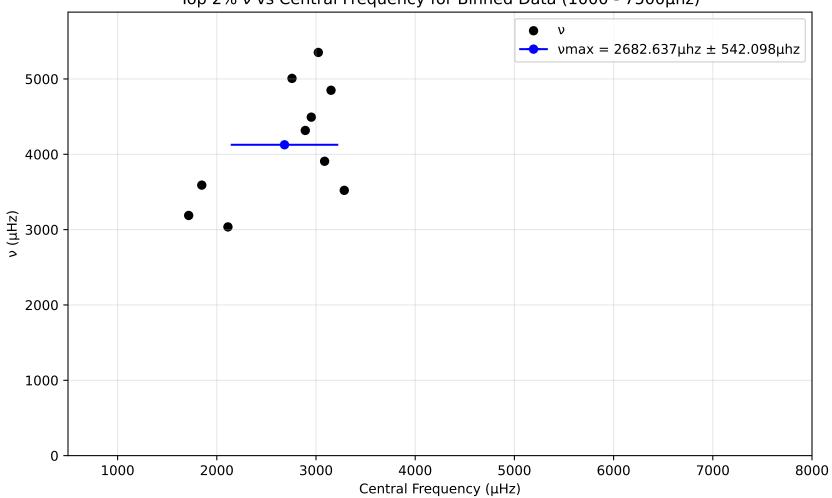


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.22.pow. Drowned by noise at 22.0%.

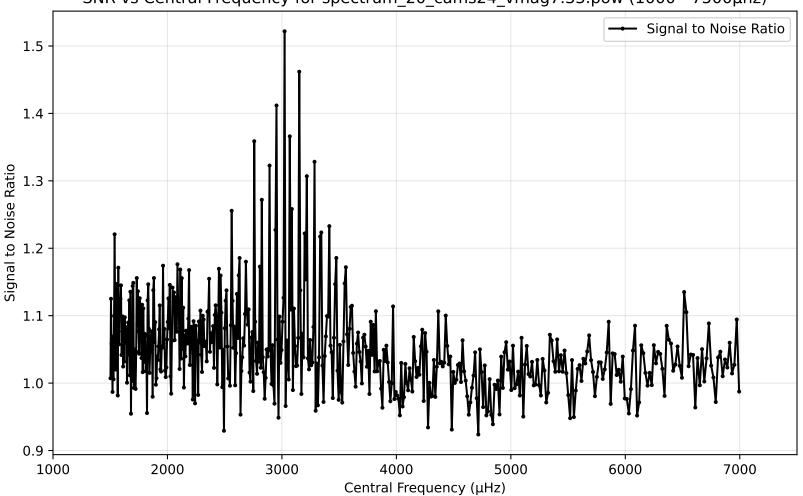


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -Central Frequency (µHz)

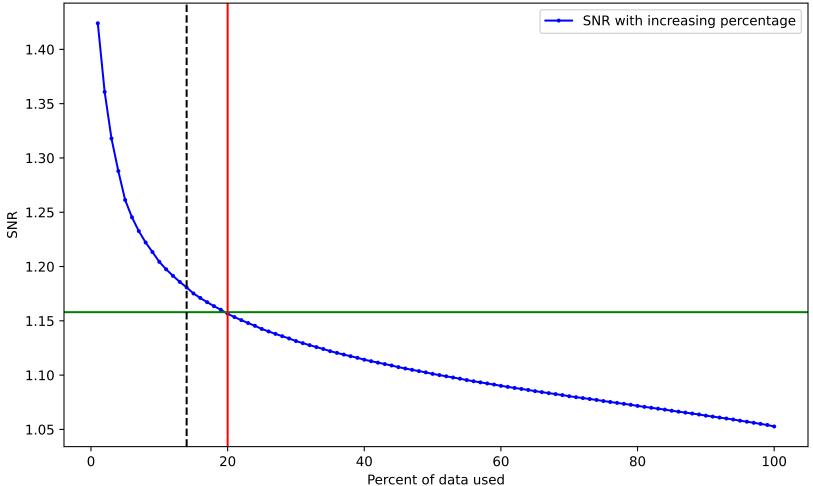
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.33.pow (1000 - 7500µhz)

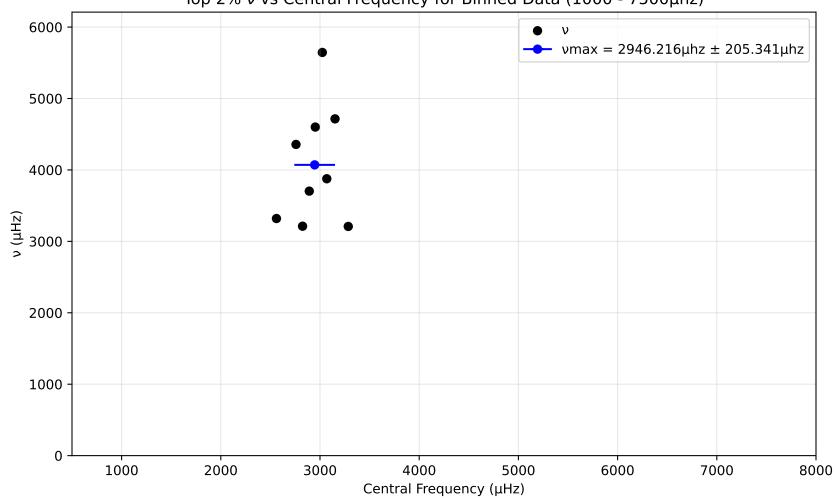


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.33.pow. Drowned by noise at 20.0%.

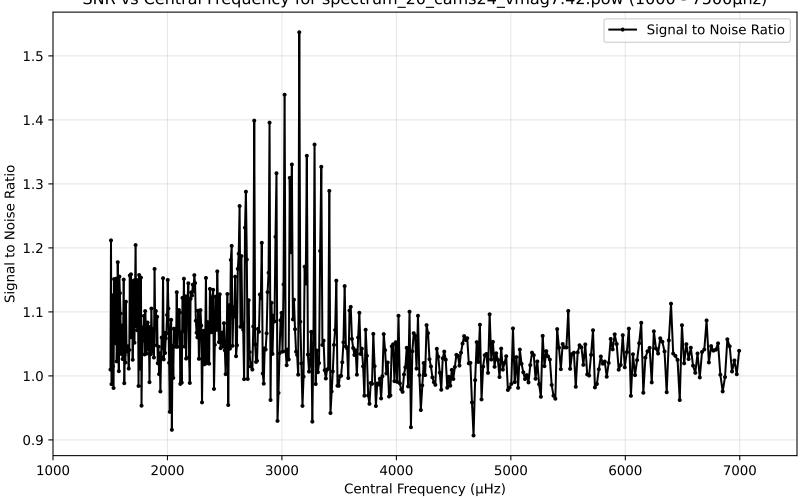


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

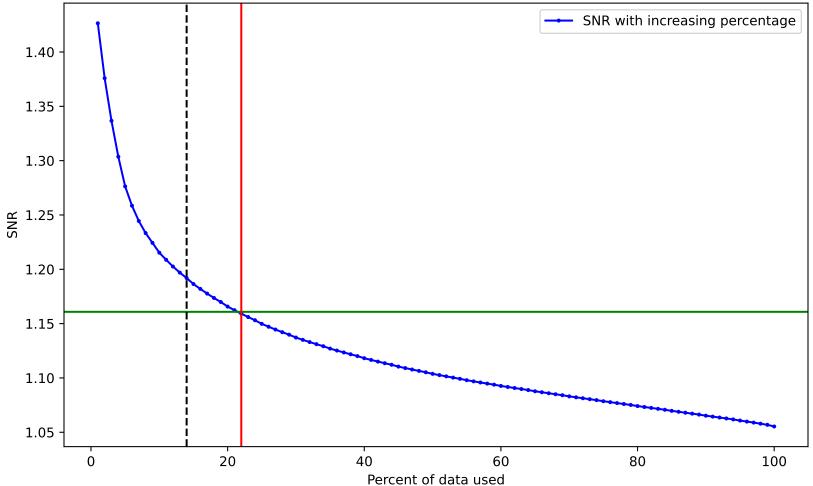
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



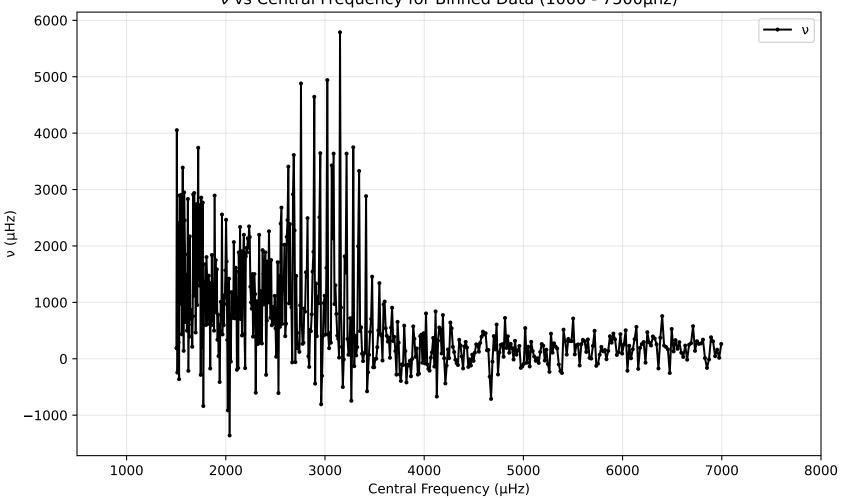
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.42.pow (1000 - 7500µhz)



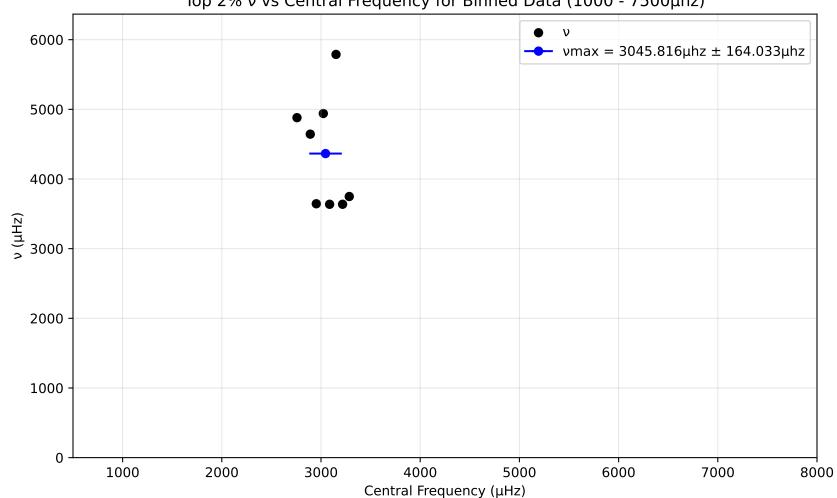
SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.42.pow. Drowned by noise at 22.0%.



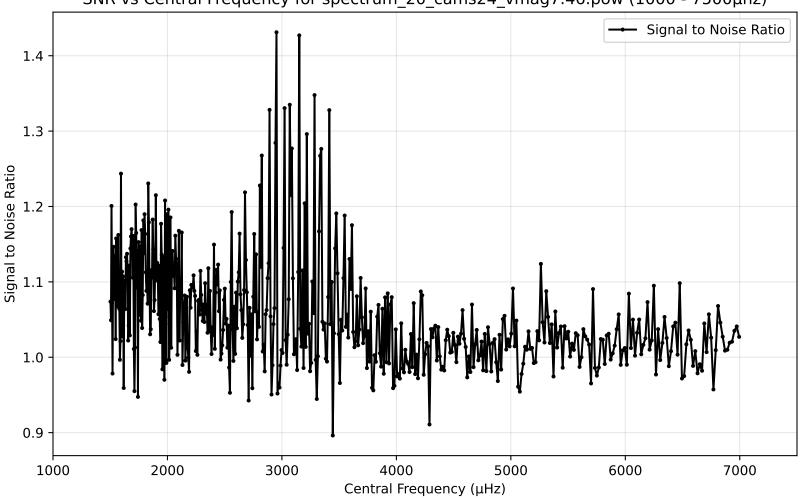
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



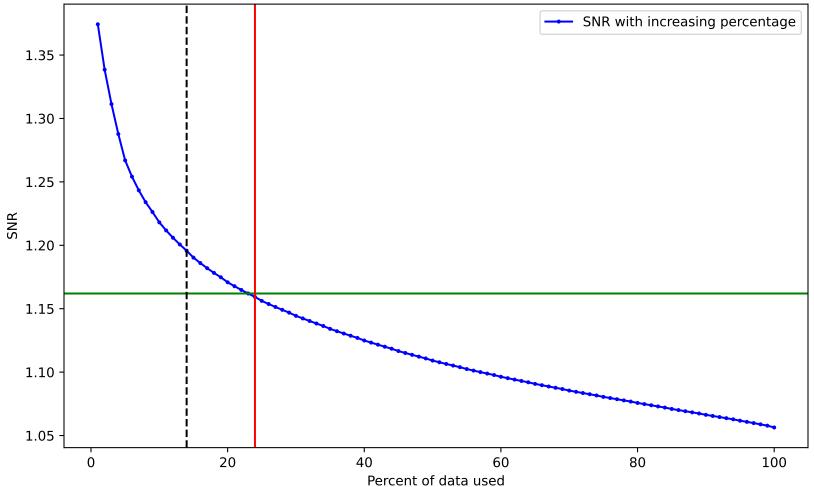
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag7.46.pow (1000 - 7500µhz)

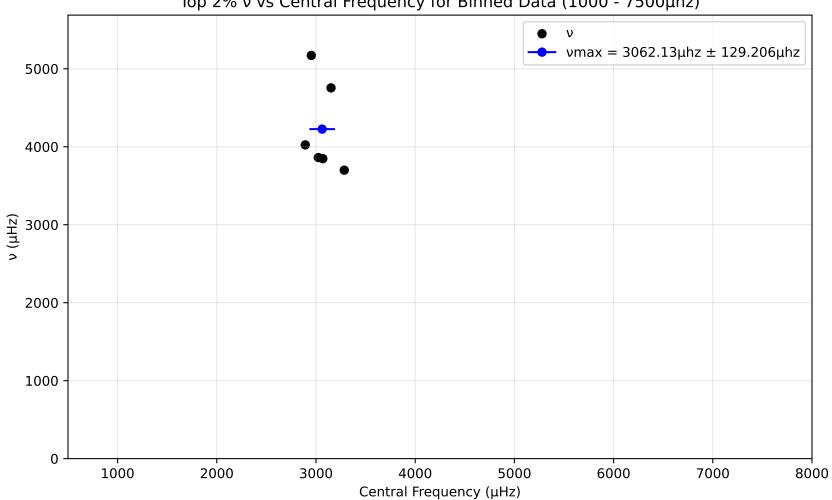


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag7.46.pow. Drowned by noise at 24.0%.

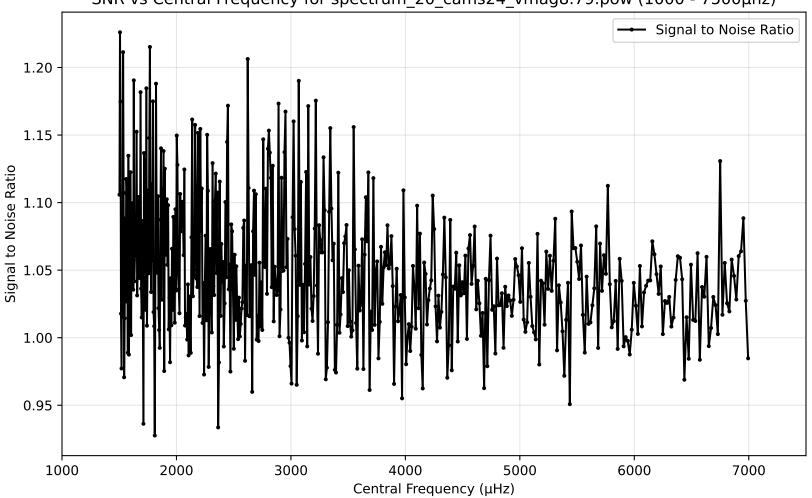


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

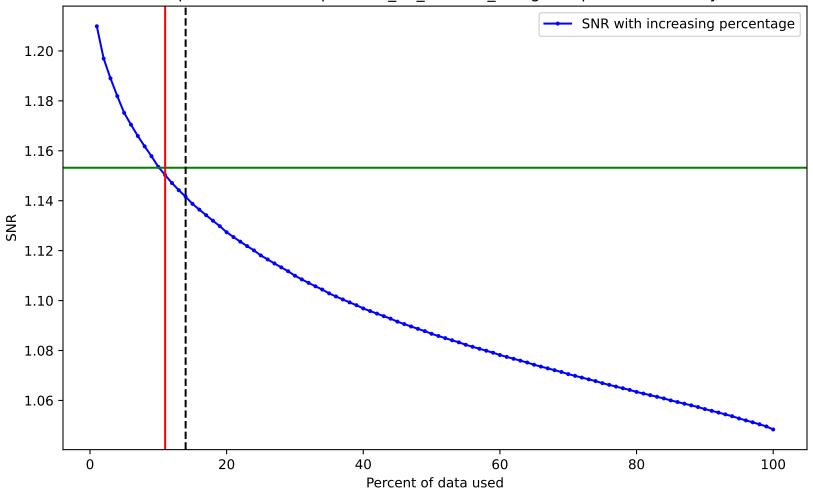
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



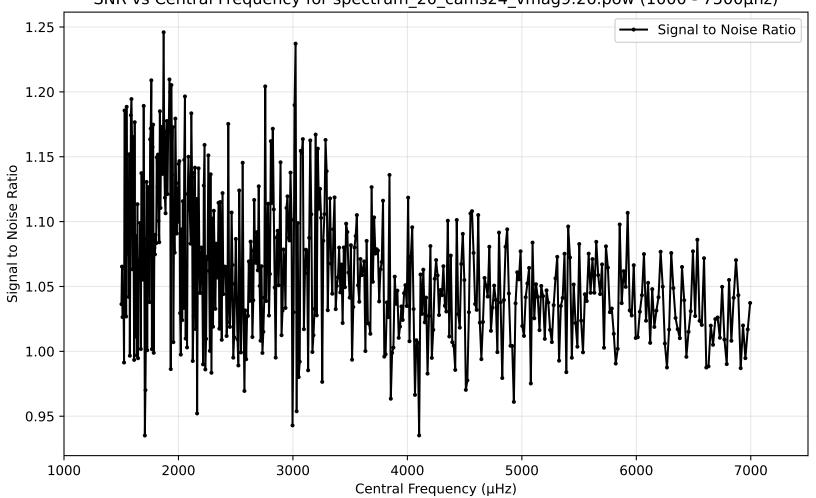
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag8.79.pow (1000 - 7500µhz)



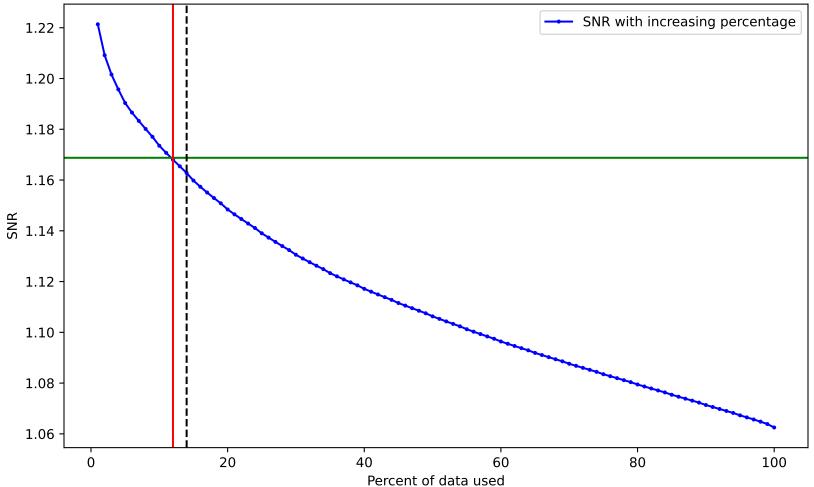
SNR variation for top n% of data for spectrum\_20\_cams24\_vmag8.79.pow. Drowned by noise at 11.0%.



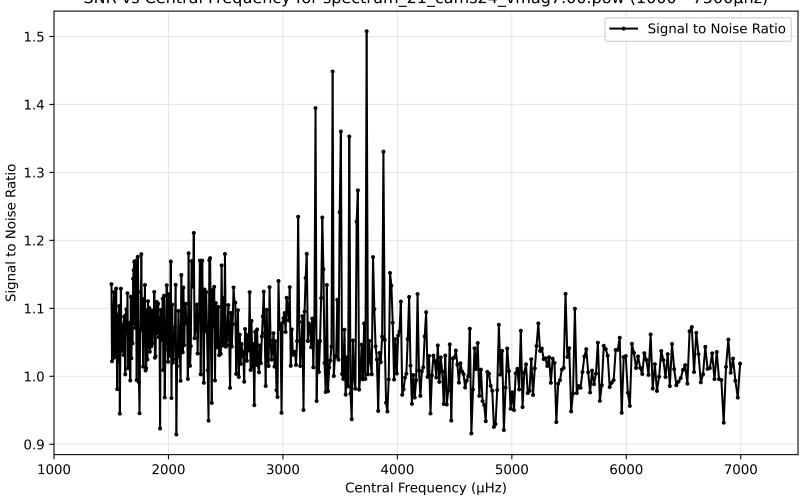
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag9.26.pow (1000 - 7500µhz)



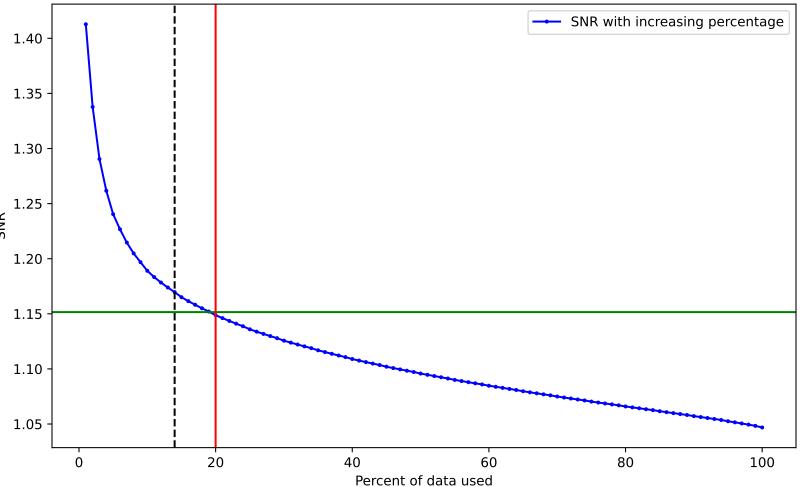
SNR variation for top n% of data for spectrum\_20\_cams24\_vmag9.26.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_21\_cams24\_vmag7.00.pow (1000 - 7500µhz)



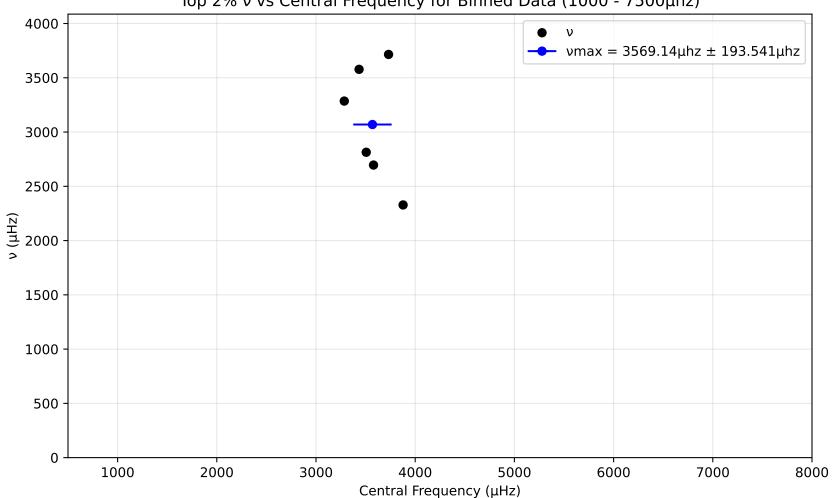
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag7.00.pow. Drowned by noise at 20.0%.

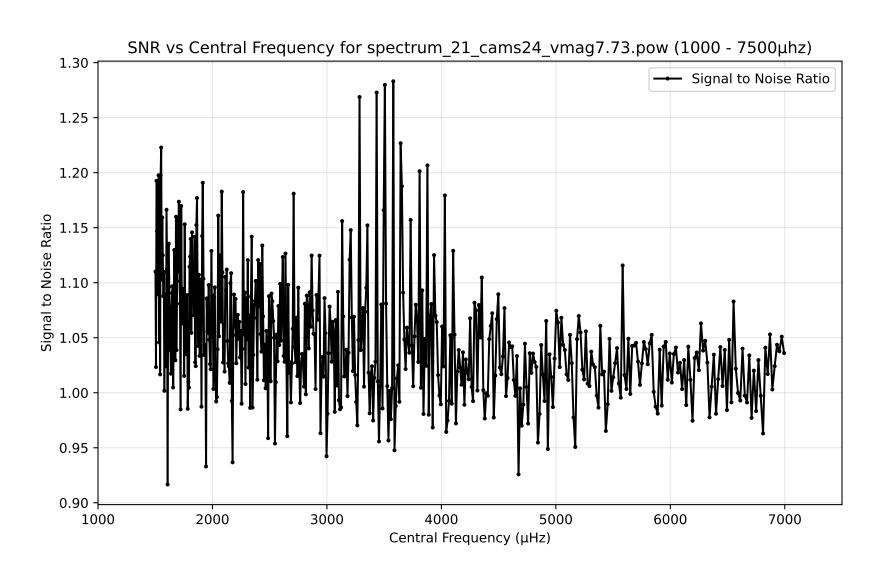


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 

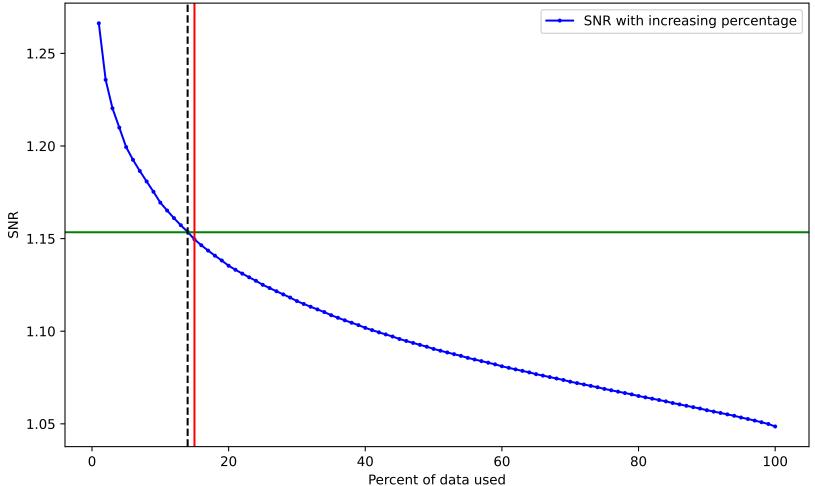
Central Frequency (µHz)

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

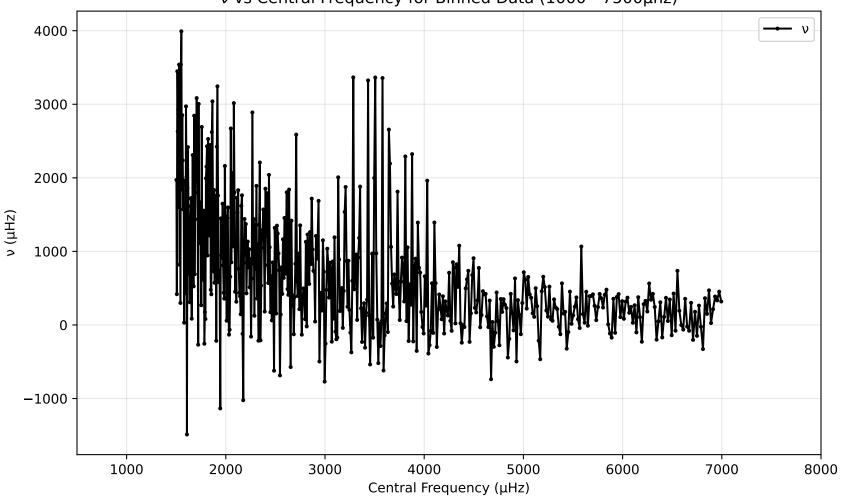




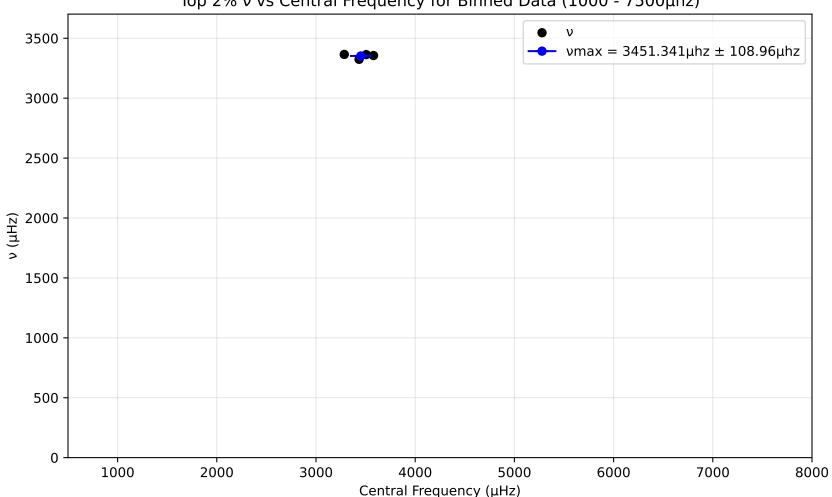
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag7.73.pow. Drowned by noise at 15.0%.



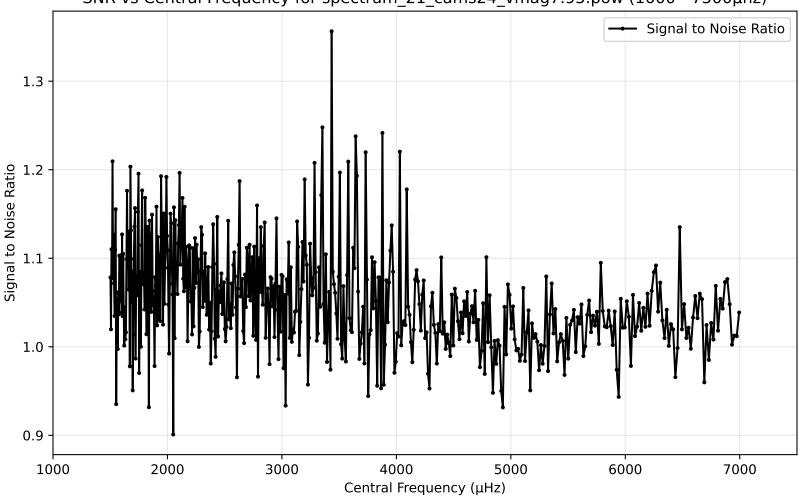
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



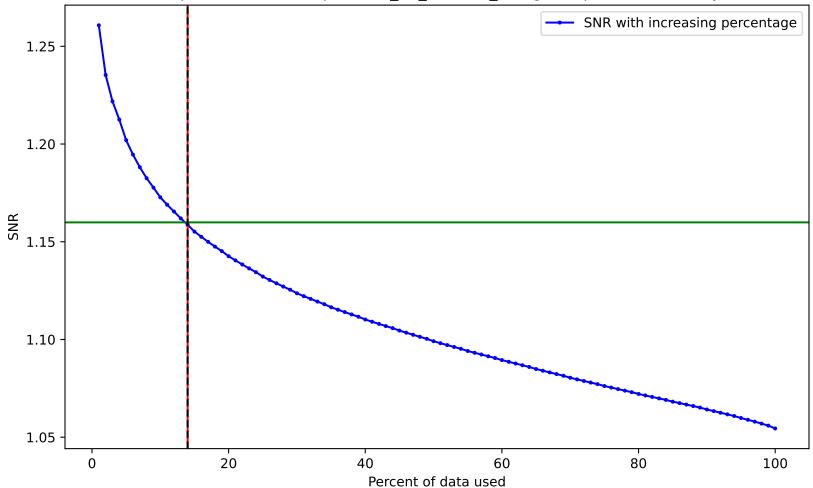
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



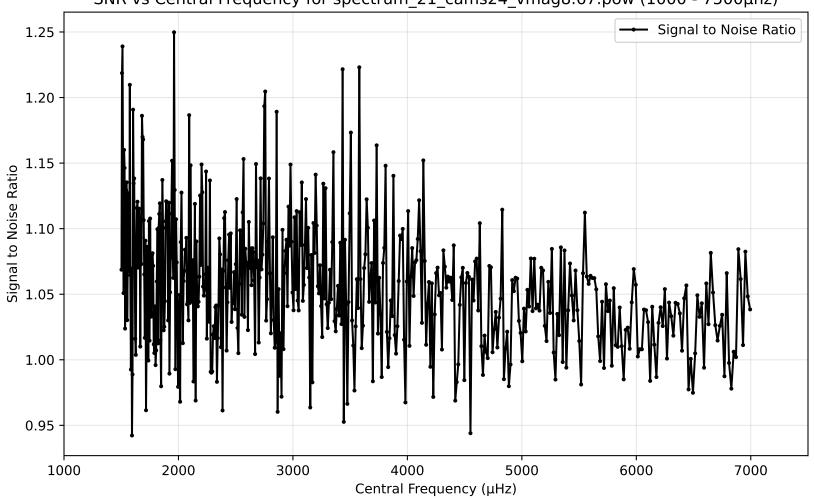
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag7.95.pow (1000 - 7500µhz)



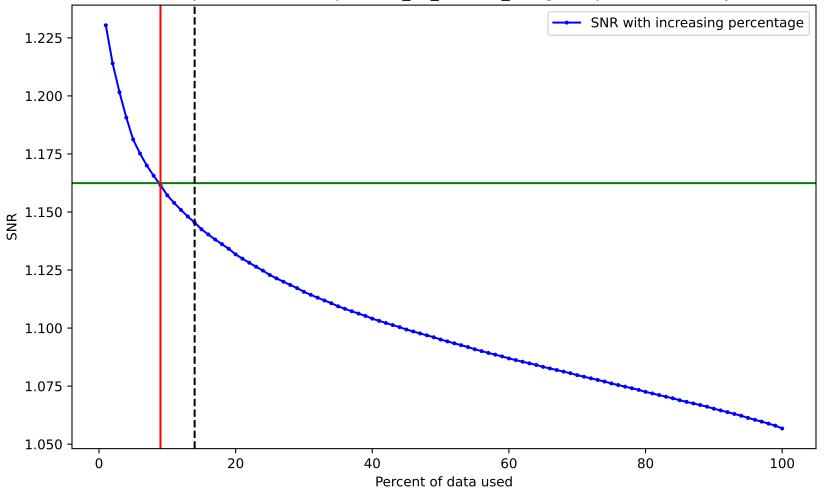
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag7.95.pow. Drowned by noise at 14.0%.



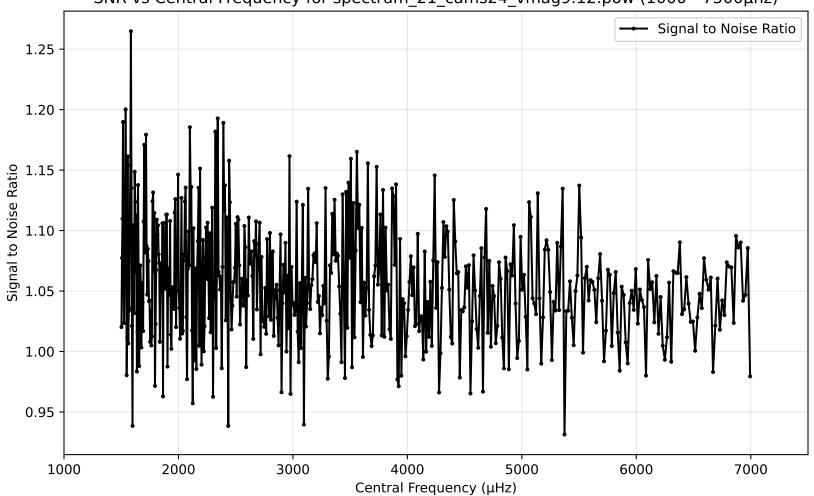
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag8.67.pow (1000 - 7500µhz)



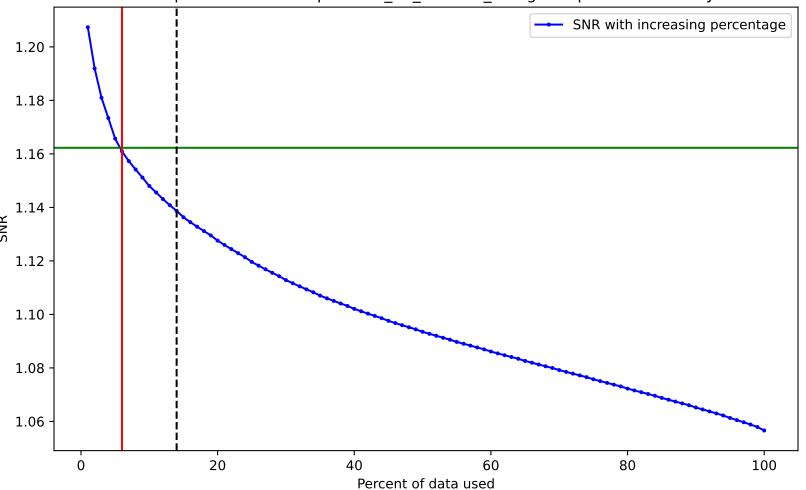
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag8.67.pow. Drowned by noise at 9.0%.



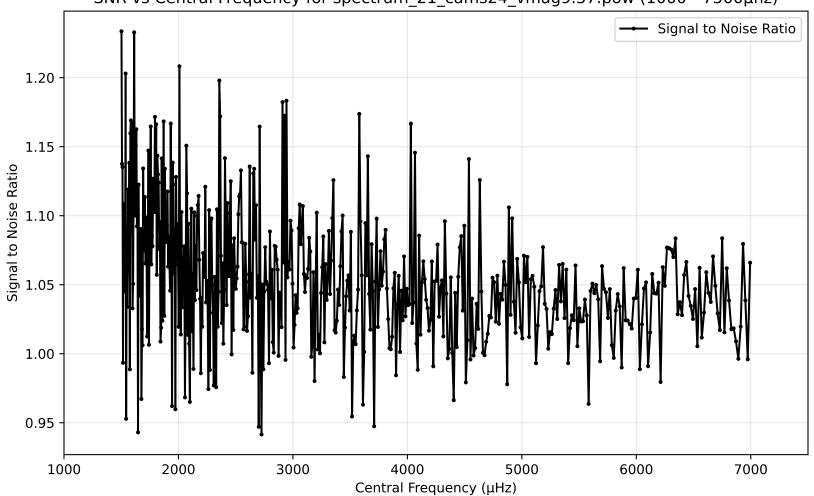
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.12.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.12.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.57.pow (1000 - 7500µhz)



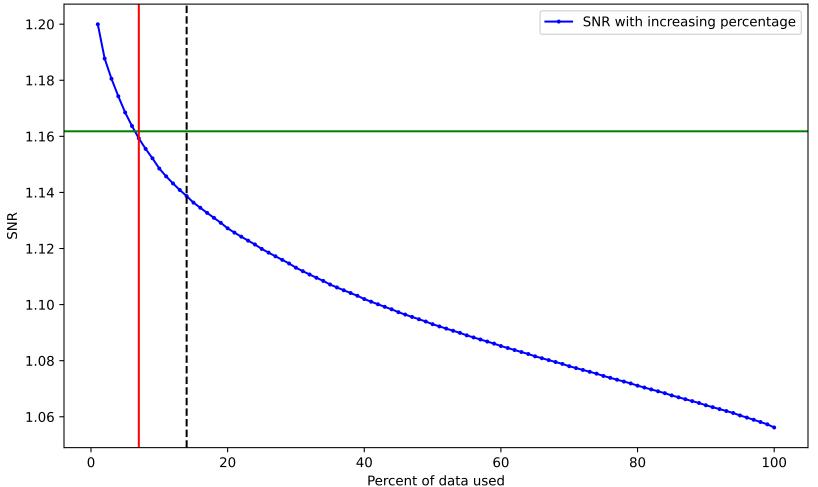
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.57.pow. Drowned by noise at 8.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 4 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

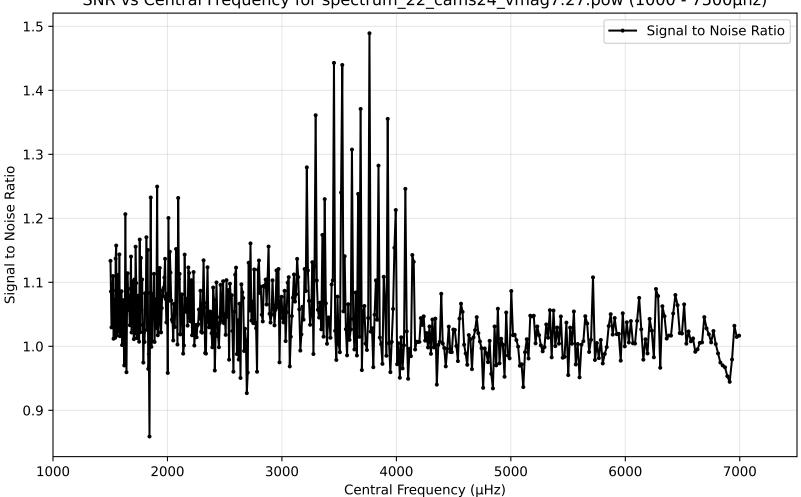
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag10.34.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

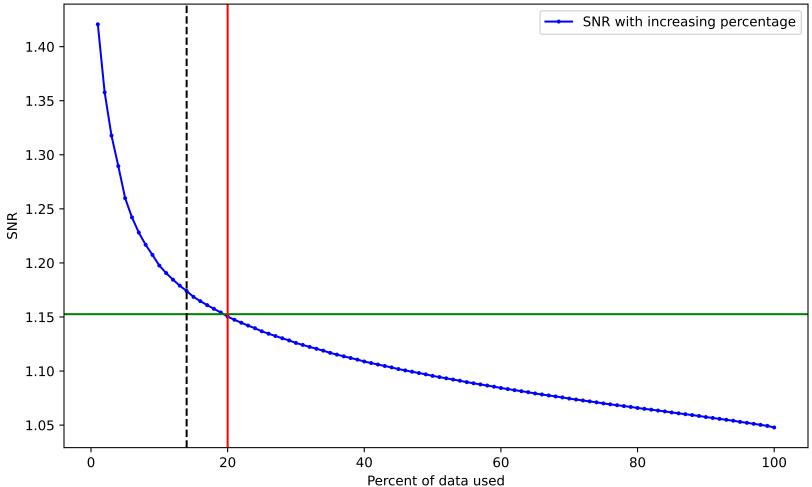
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag10.34.pow. Drowned by noise at 7.0%.

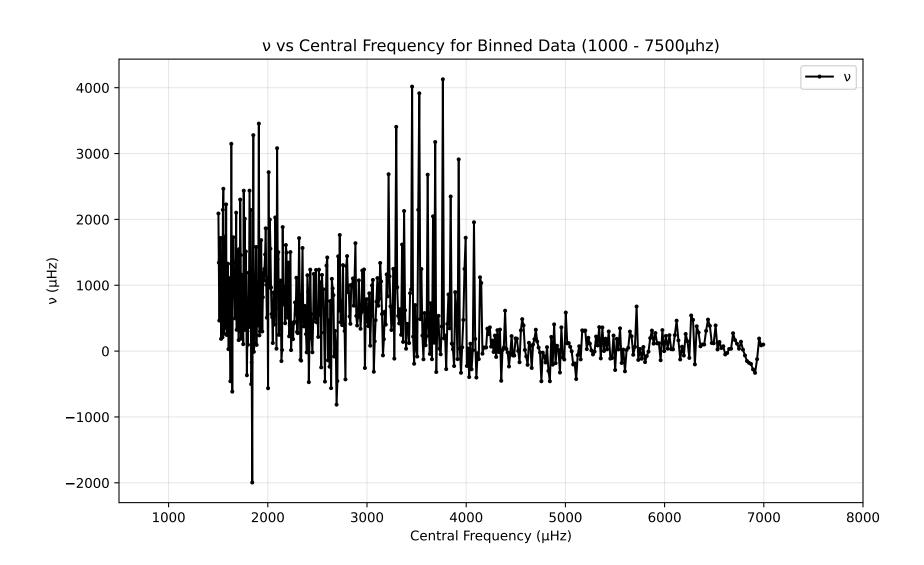


SNR vs Central Frequency for spectrum\_22\_cams24\_vmag7.27.pow (1000 - 7500µhz)

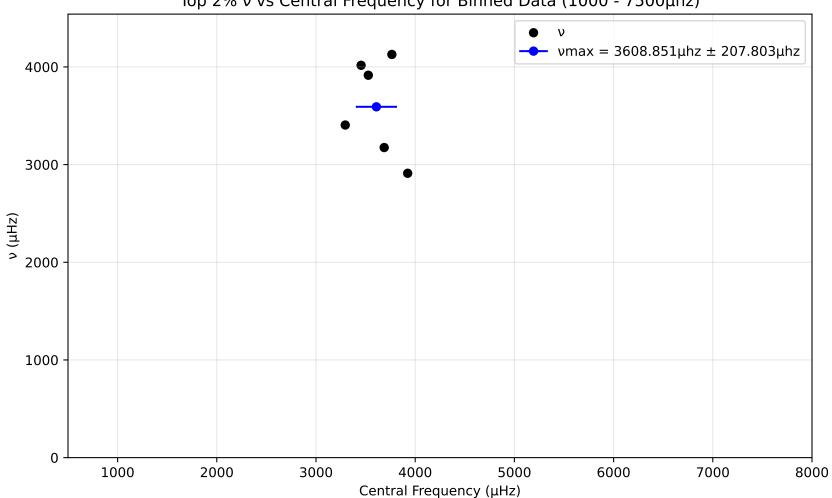


SNR variation for top n% of data for spectrum\_22\_cams24\_vmag7.27.pow. Drowned by noise at 20.0%.

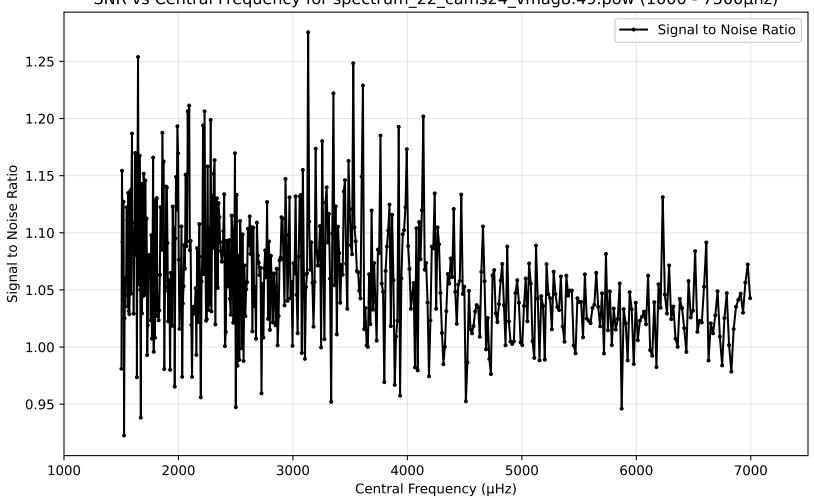




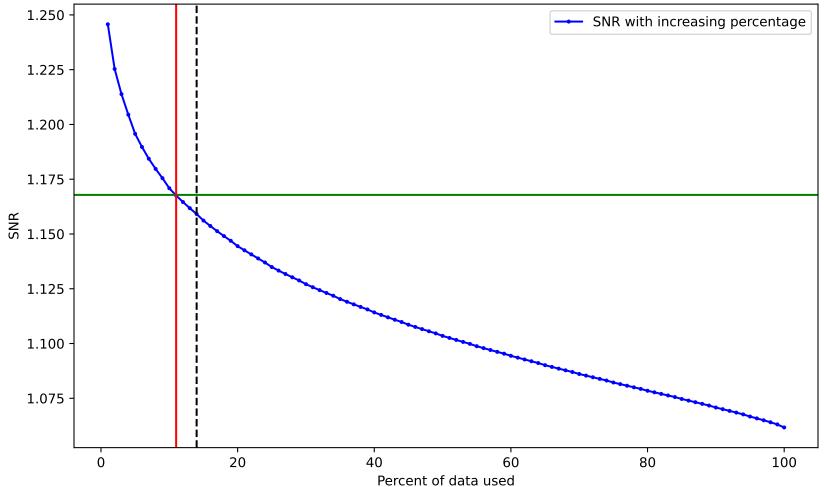
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



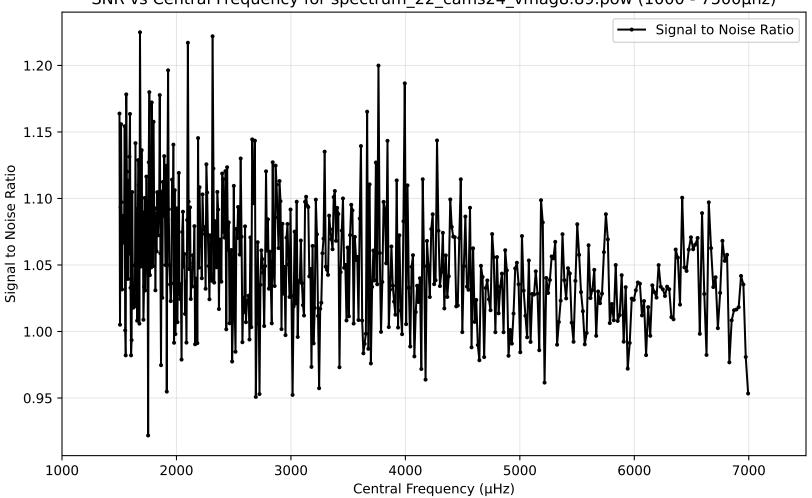
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.49.pow (1000 - 7500µhz)

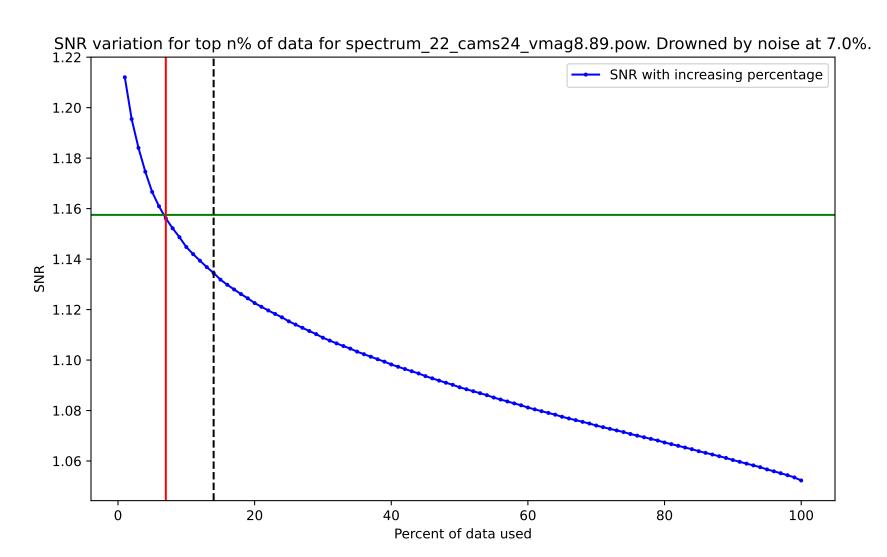


SNR variation for top n% of data for spectrum\_22\_cams24\_vmag8.49.pow. Drowned by noise at 11.0%.

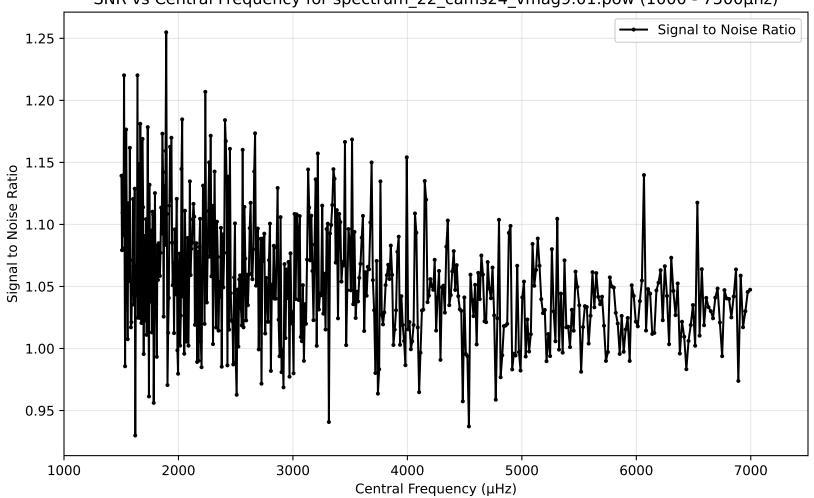


SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.89.pow (1000 - 7500µhz)





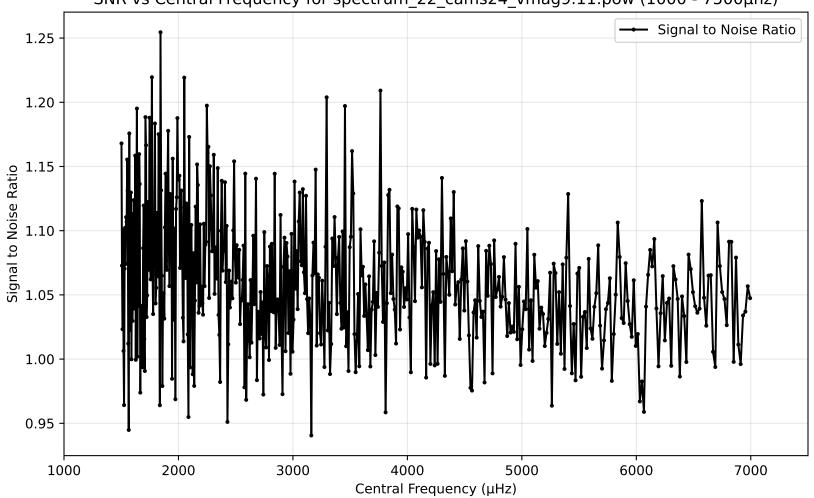
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.01.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.01.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

Percent of data used

SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.11.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.11.pow. Drowned by noise at 9.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 KS 1.14 1.12 1.10 1.08

60

Percent of data used

80

100

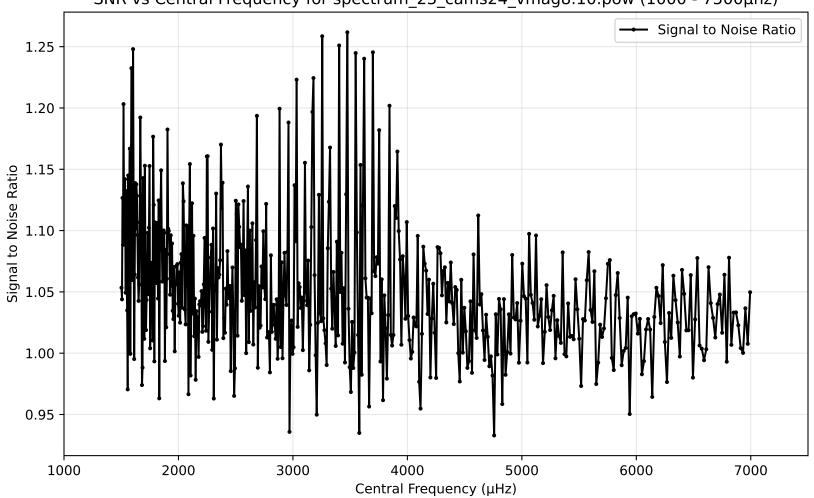
40

1.06

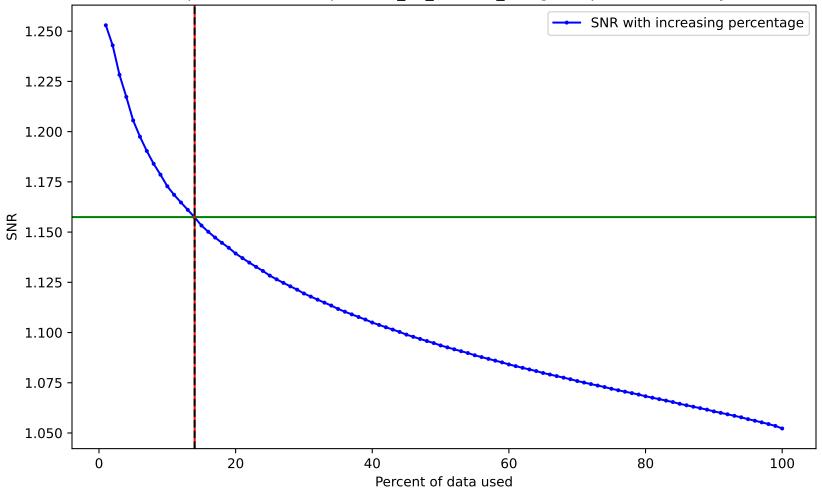
0

20

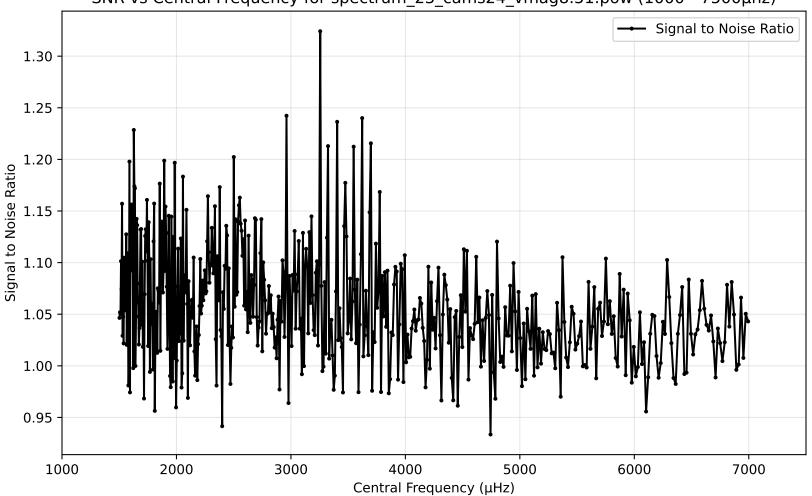
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.10.pow (1000 - 7500µhz)



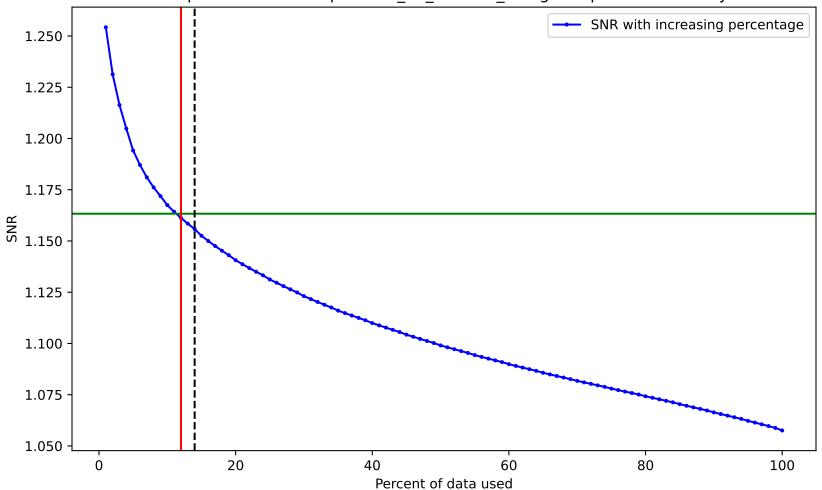
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.10.pow. Drowned by noise at 14.0%.

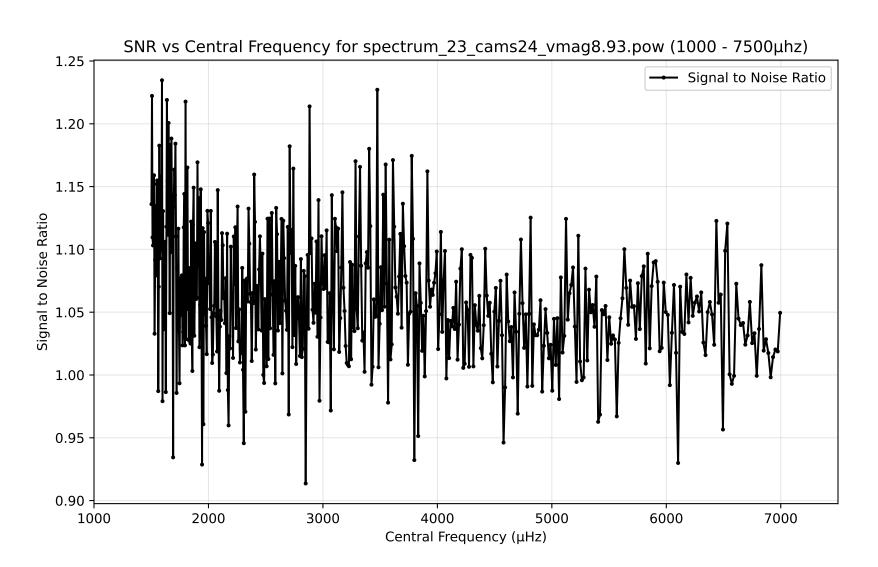


SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.51.pow (1000 - 7500µhz)

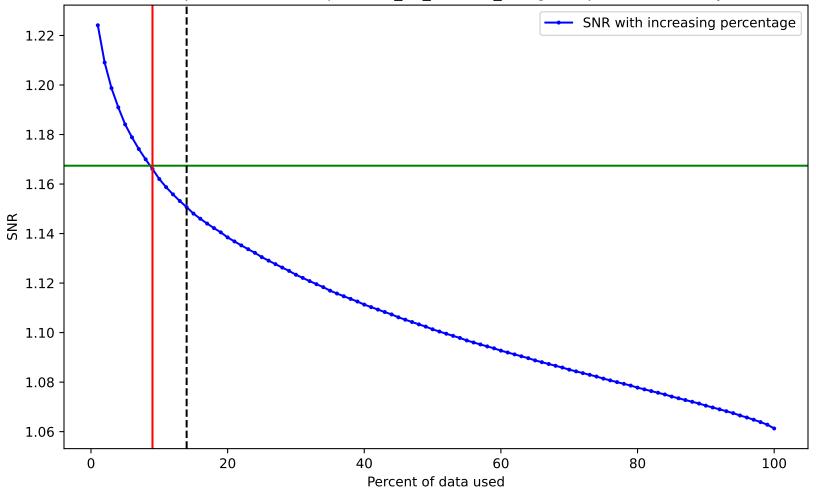


SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.51.pow. Drowned by noise at 12.0%.





SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.93.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.11.pow (1000 - 7500µhz) 1.25 -Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95

4000

Central Frequency (µHz)

5000

6000

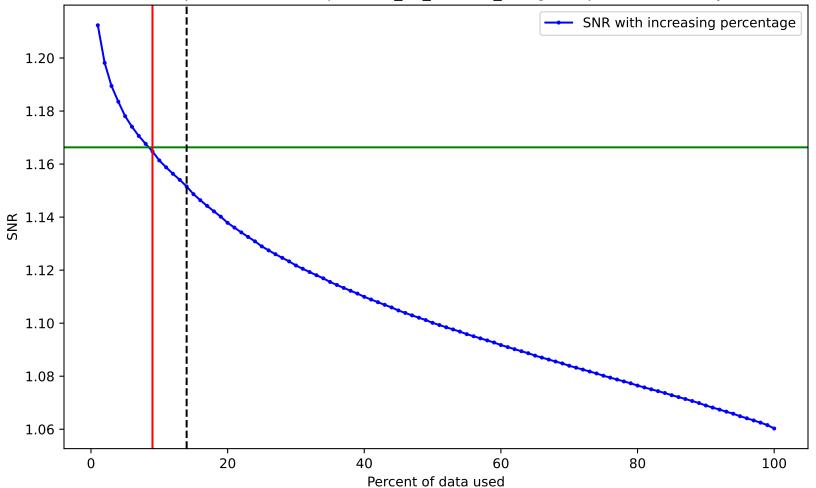
7000

1000

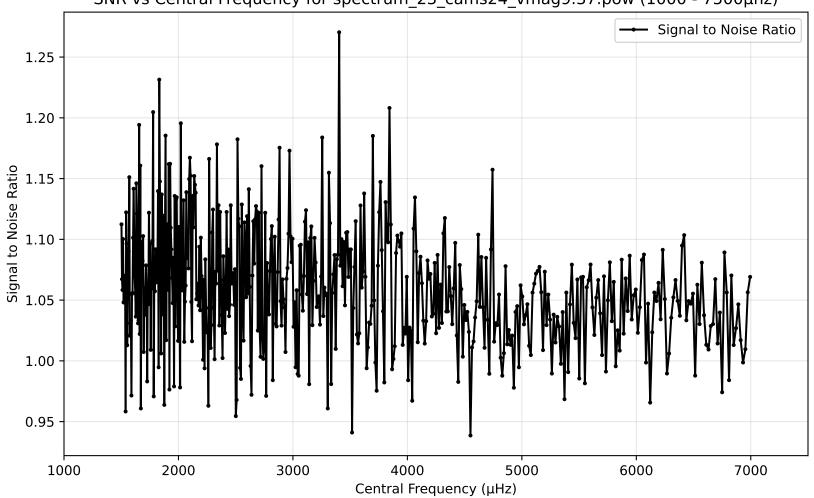
2000

3000

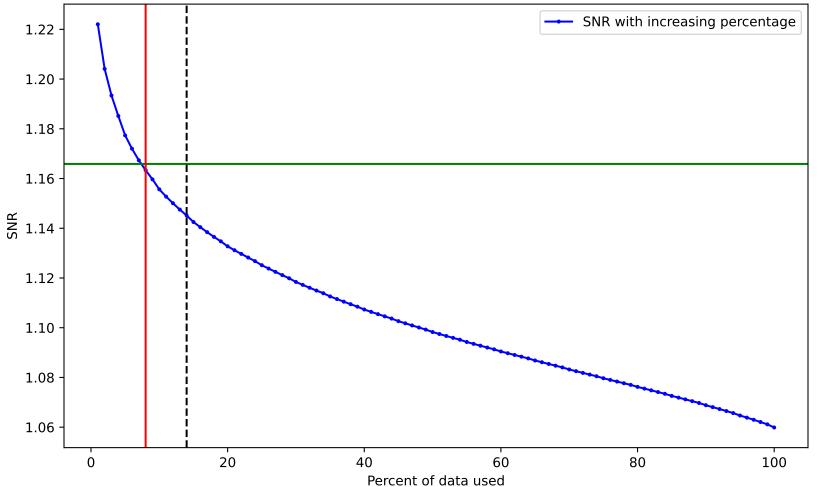
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.11.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.37.pow (1000 - 7500µhz)



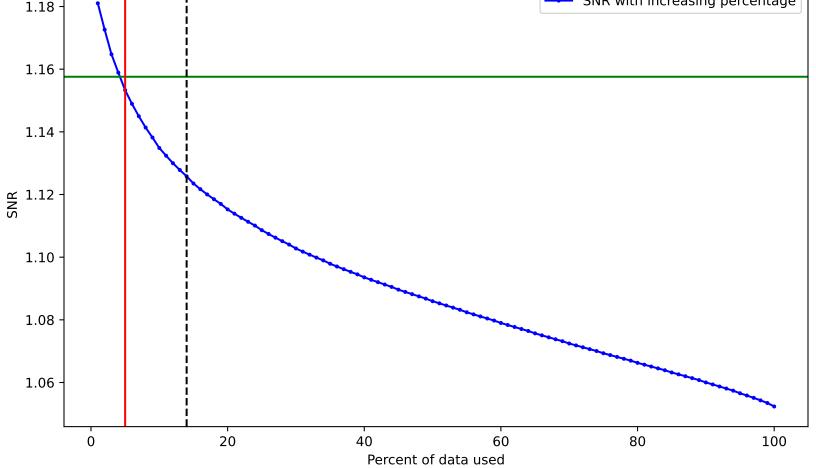
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.37.pow. Drowned by noise at 8.0%.



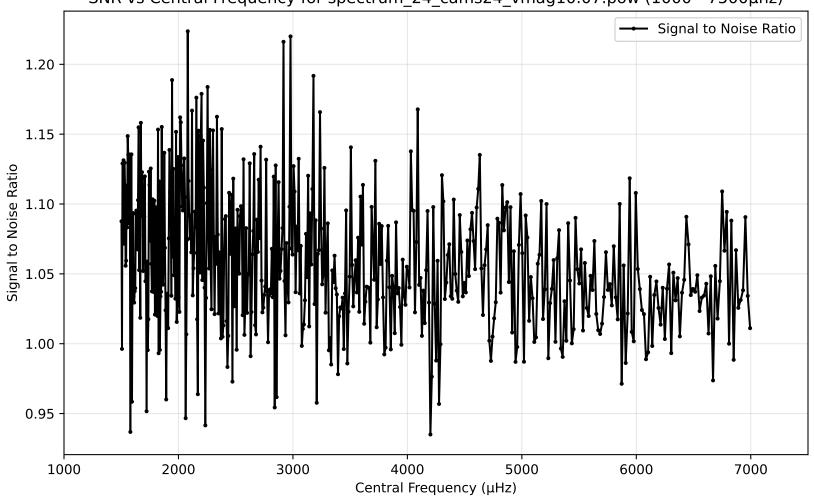
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.81.pow (1000 - 7500µhz) 1.20 -Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.10 1.05 -1.00 0.95 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

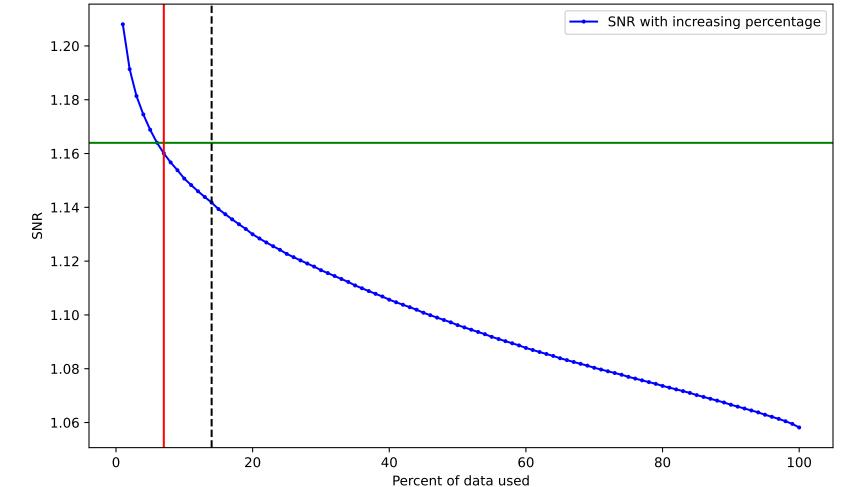
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.81.pow. Drowned by noise at 5.0%. SNR with increasing percentage 1.18 -



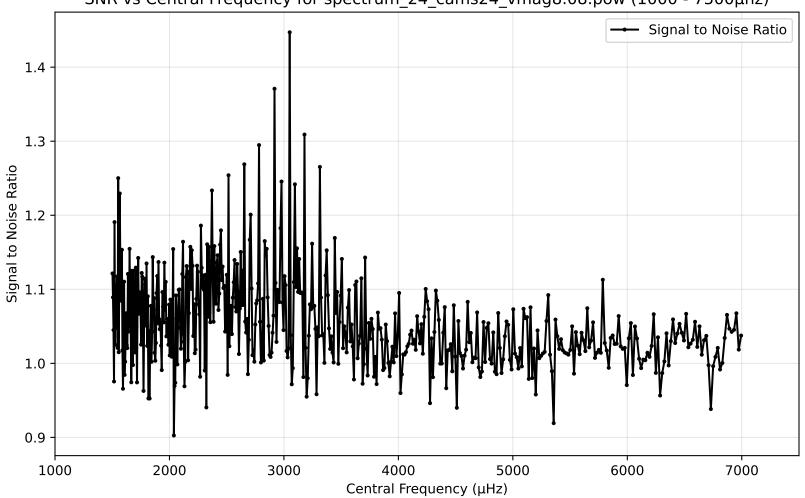
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag10.07.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_24\_cams24\_vmag10.07.pow. Drowned by noise at 7.0%.



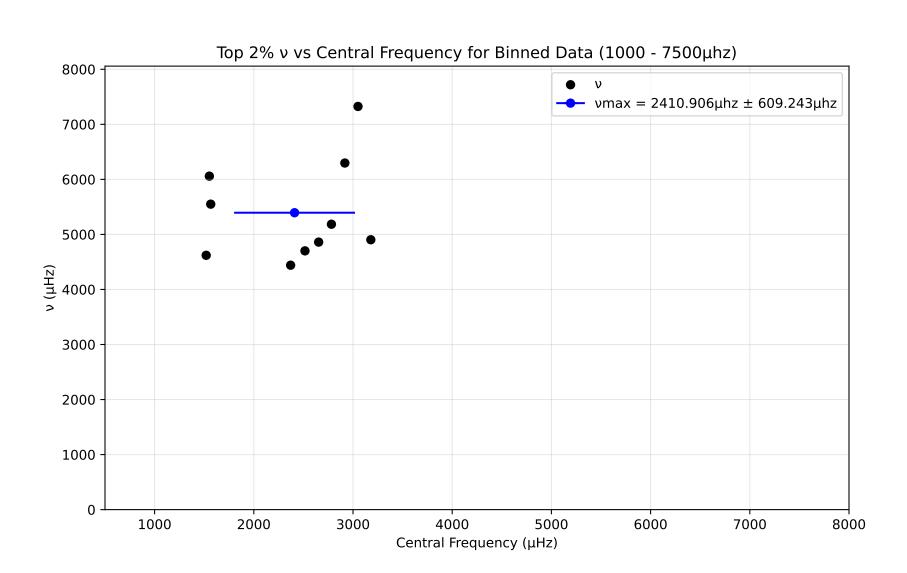
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.08.pow (1000 - 7500µhz)

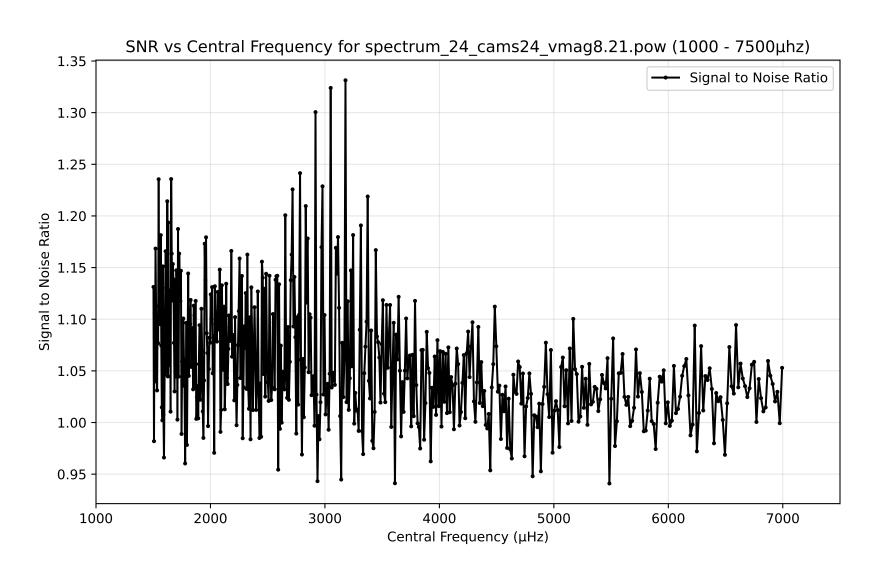


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.08.pow. Drowned by noise at 16.0%. 1.35 -SNR with increasing percentage 1.30 1.25 ¥ 1.20 1.15 1.10 1.05 20 40 60 80 100

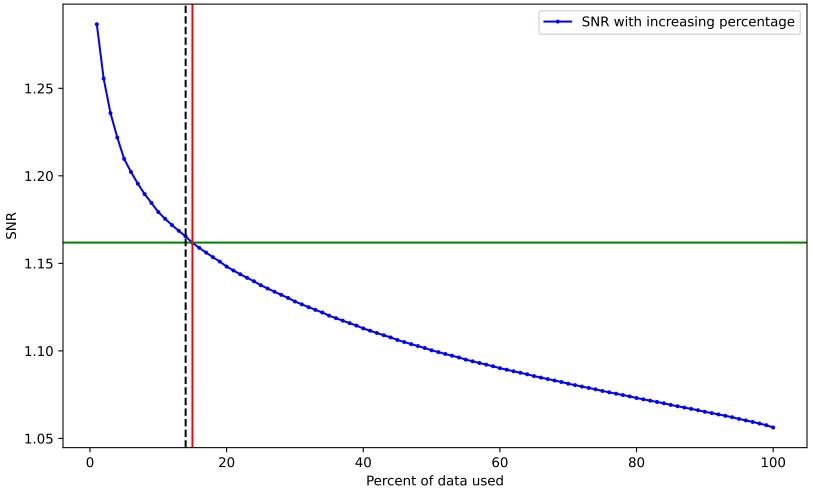
Percent of data used

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



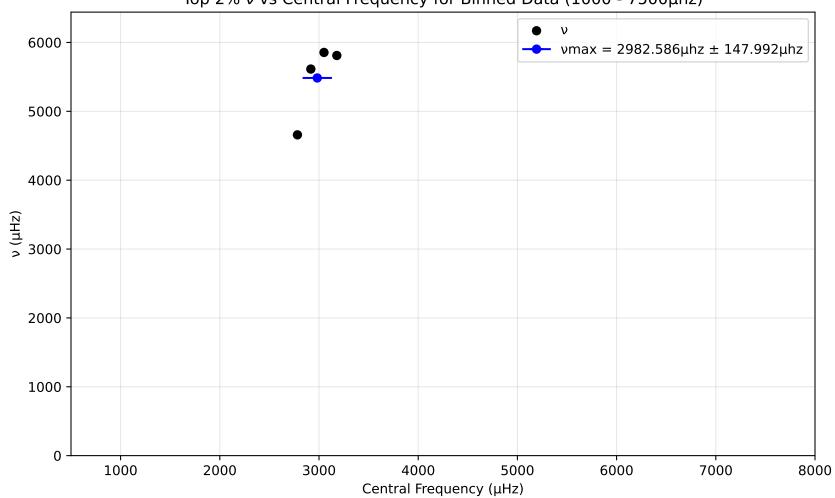


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.21.pow. Drowned by noise at 15.0%.

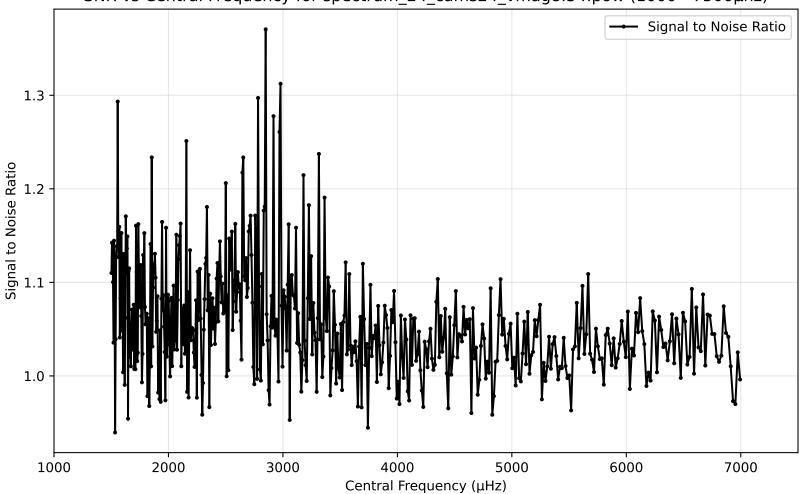


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (μHz) -1000 Central Frequency (µHz)

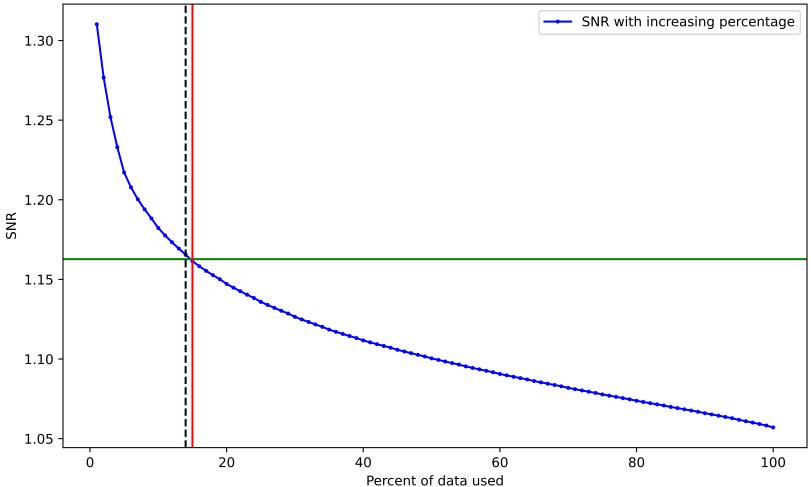
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.54.pow (1000 - 7500µhz)

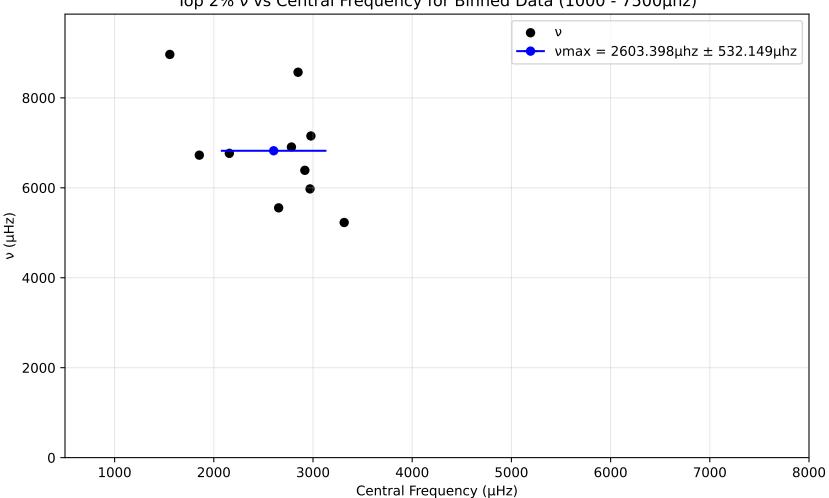


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.54.pow. Drowned by noise at 15.0%.

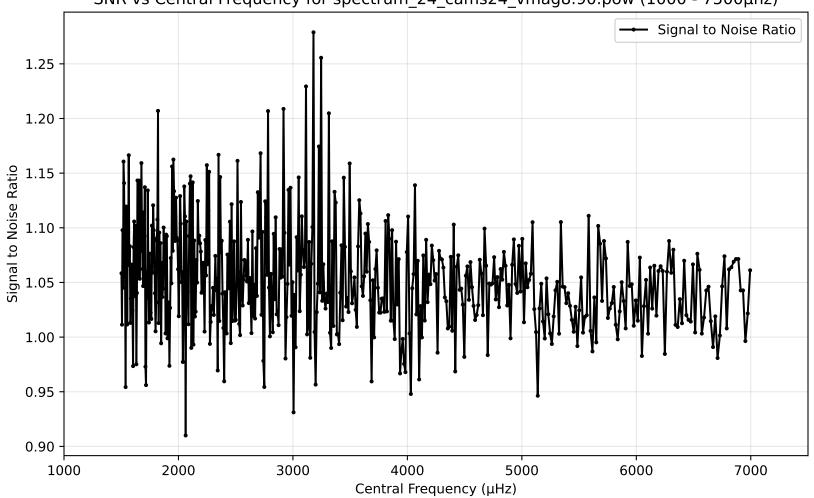


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -2000 Central Frequency (µHz)

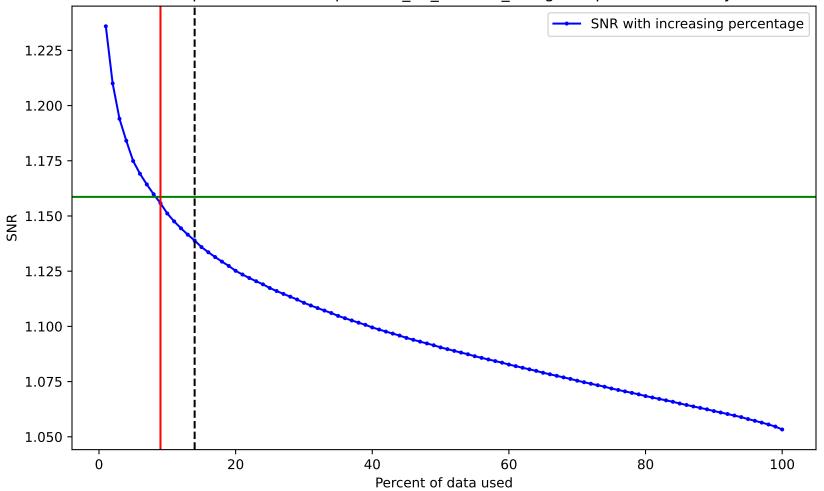
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



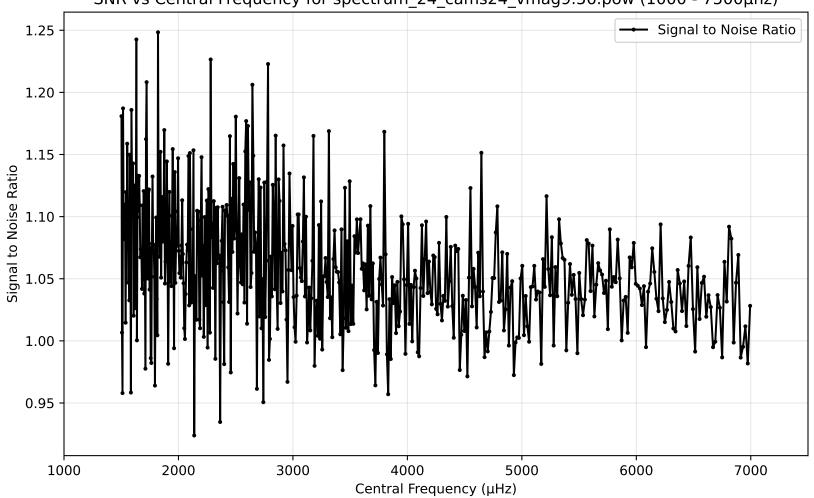
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.90.pow (1000 - 7500µhz)



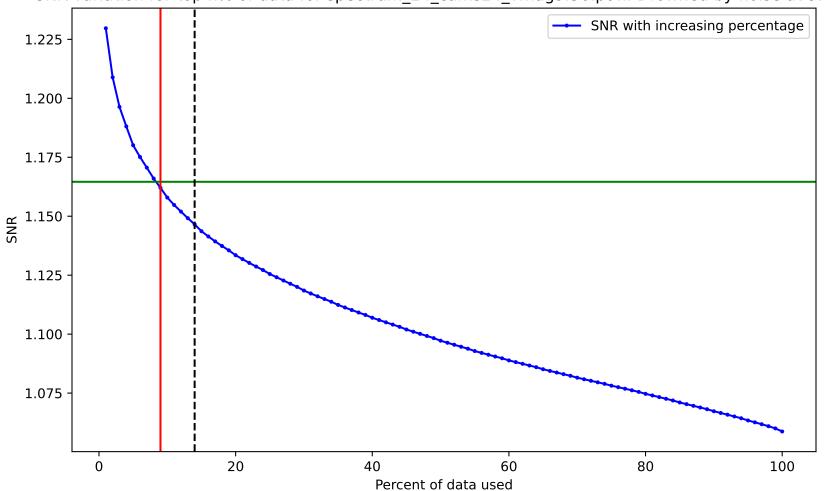
SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.90.pow. Drowned by noise at 9.0%.



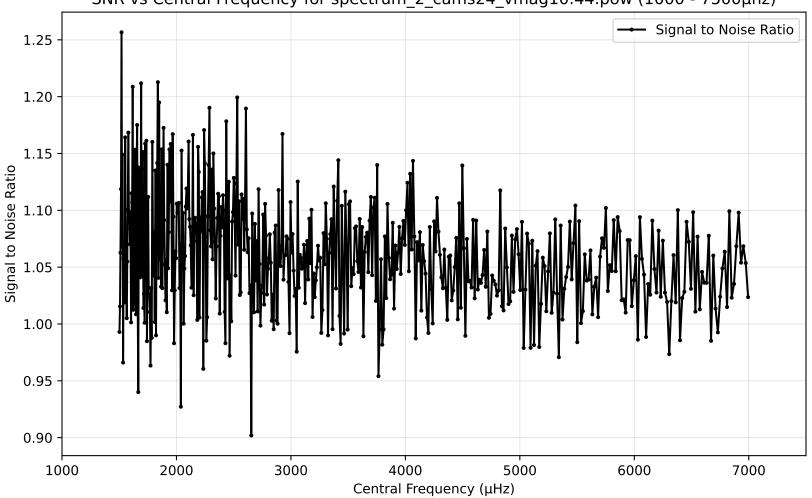
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag9.56.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_24\_cams24\_vmag9.56.pow. Drowned by noise at 9.0%.



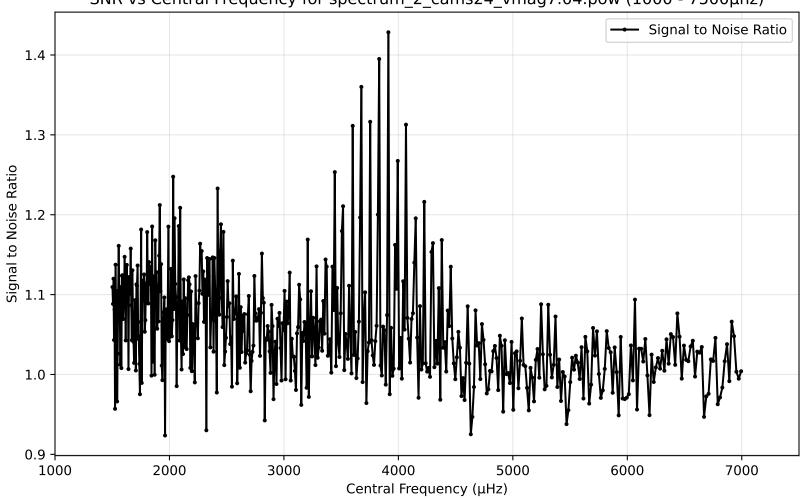
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag10.44.pow (1000 - 7500µhz)



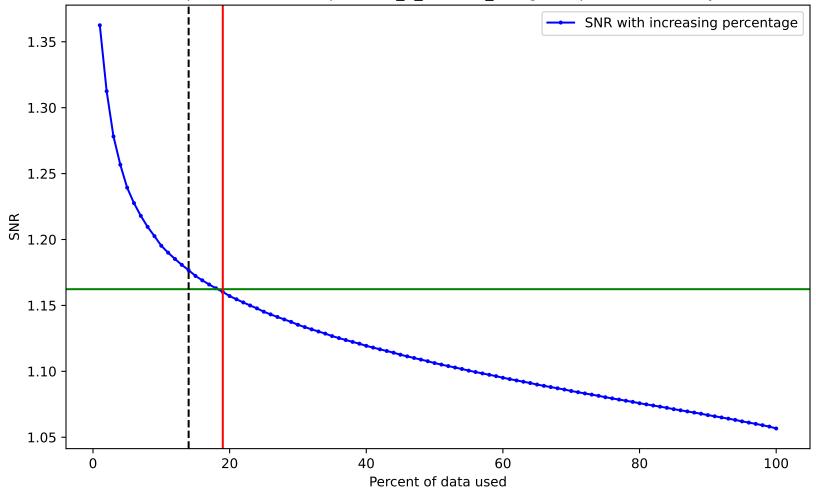
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag10.44.pow. Drowned by noise at 8.0%. 1.22 -SNR with increasing percentage 1.20 1.18 -1.16 X 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.04.pow (1000 - 7500µhz)

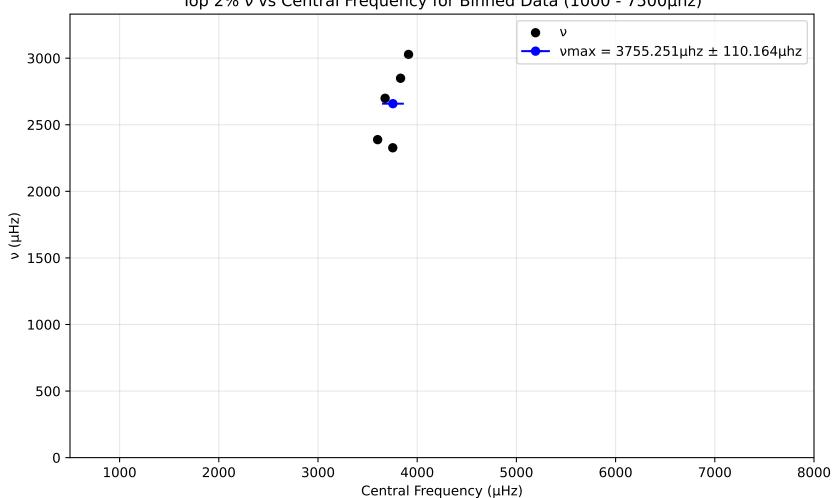


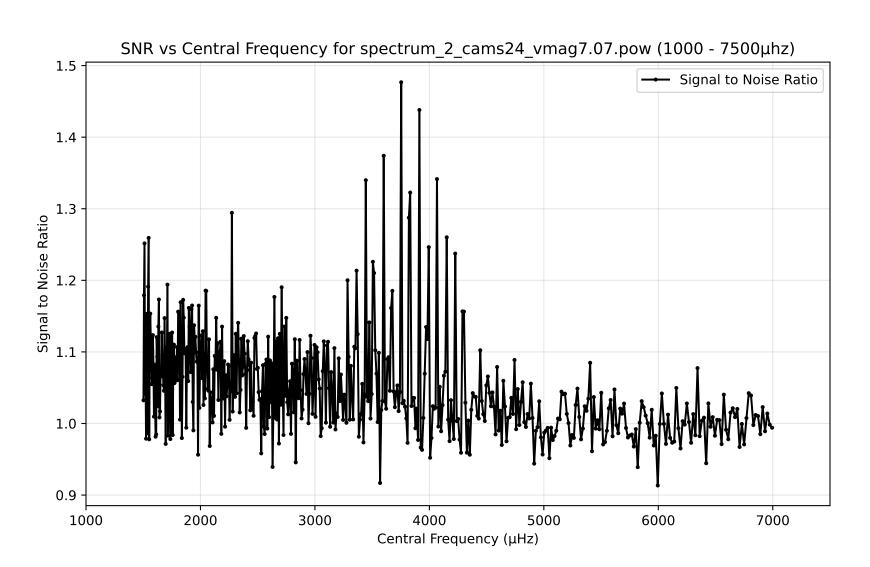
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.04.pow. Drowned by noise at 19.0%.



ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -500 -1000 Central Frequency (µHz)

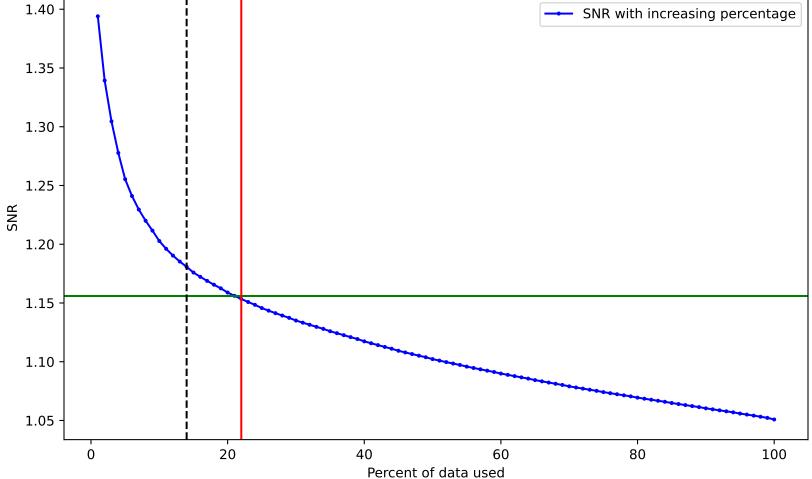
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)





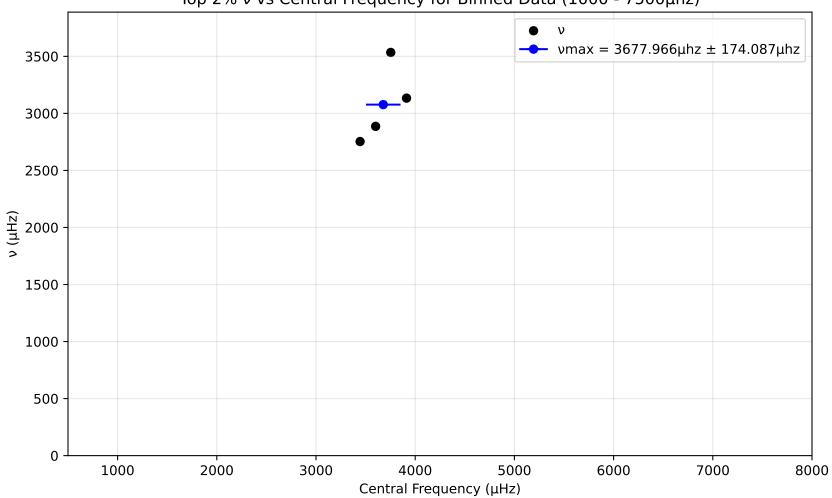
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.07.pow. Drowned by noise at 22.0%.

1.40 - SNR with increasing percentage

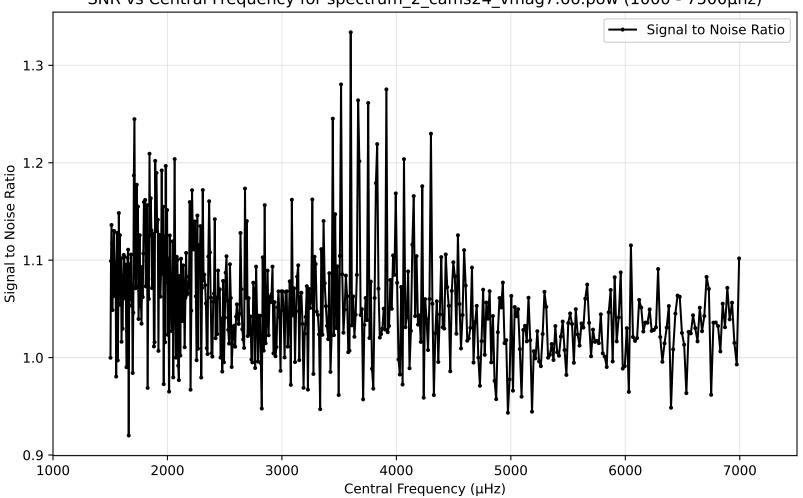


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) 

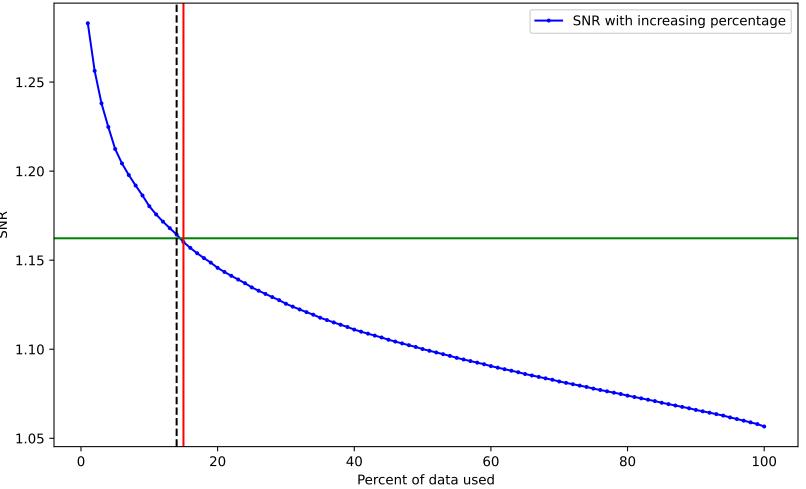
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.66.pow (1000 - 7500µhz)

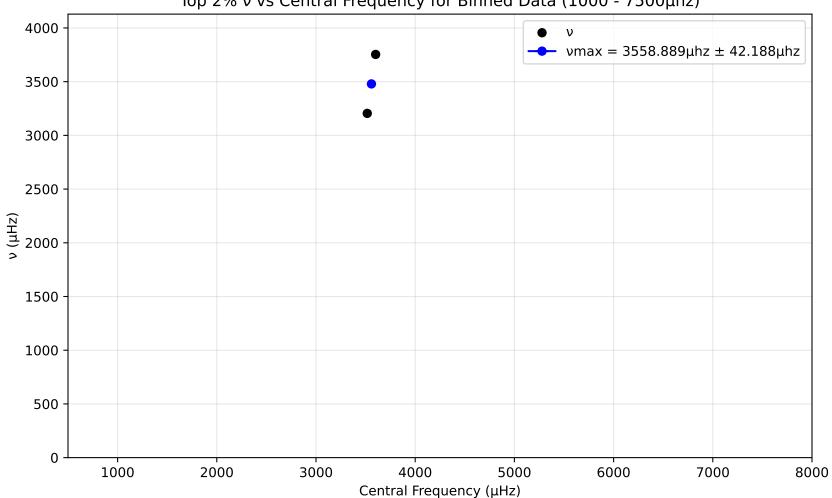


SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.66.pow. Drowned by noise at 15.0%.

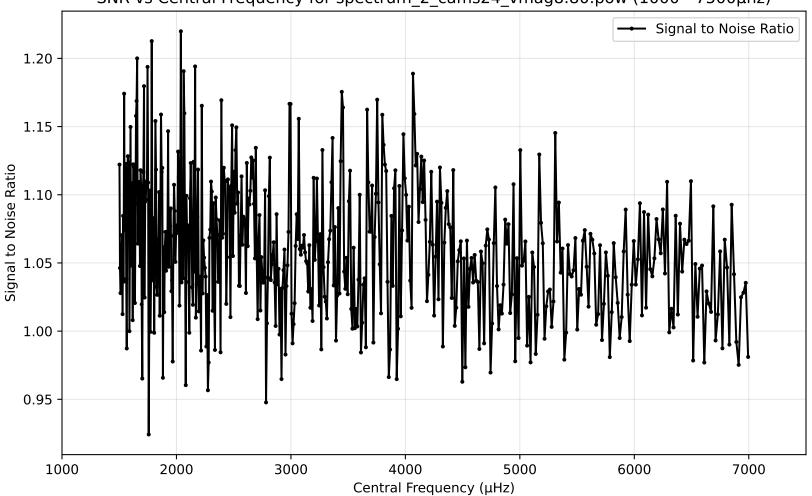


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

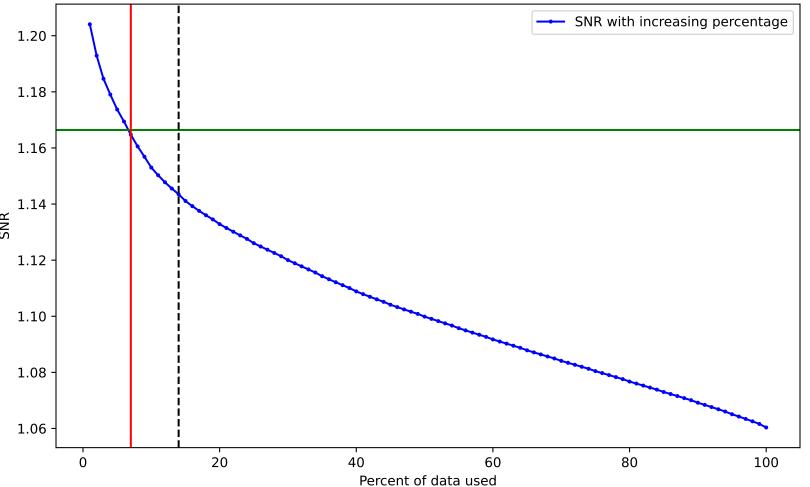
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



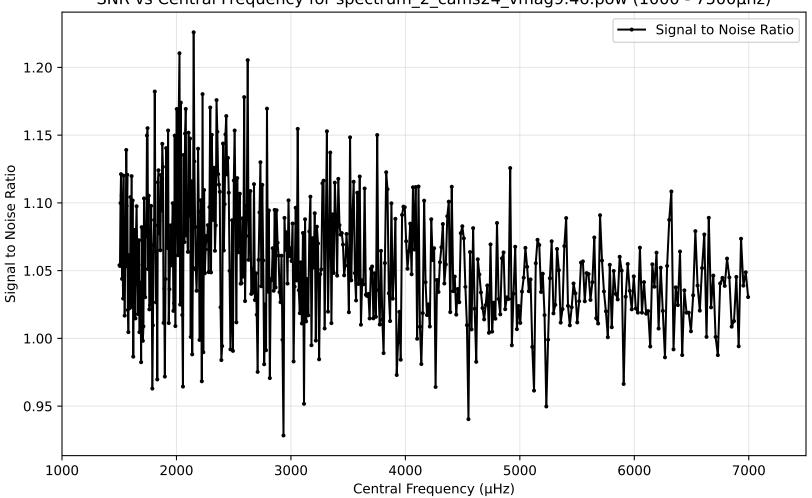
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag8.80.pow (1000 -  $7500\mu hz$ )



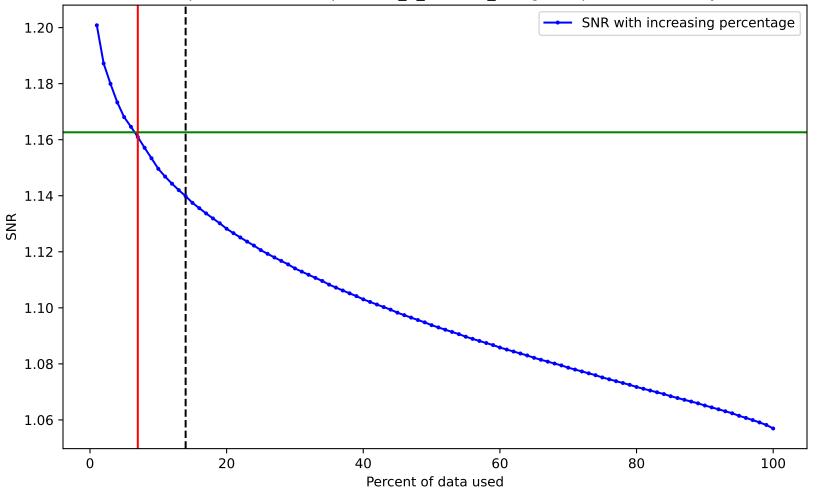
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag8.80.pow. Drowned by noise at 7.0%.



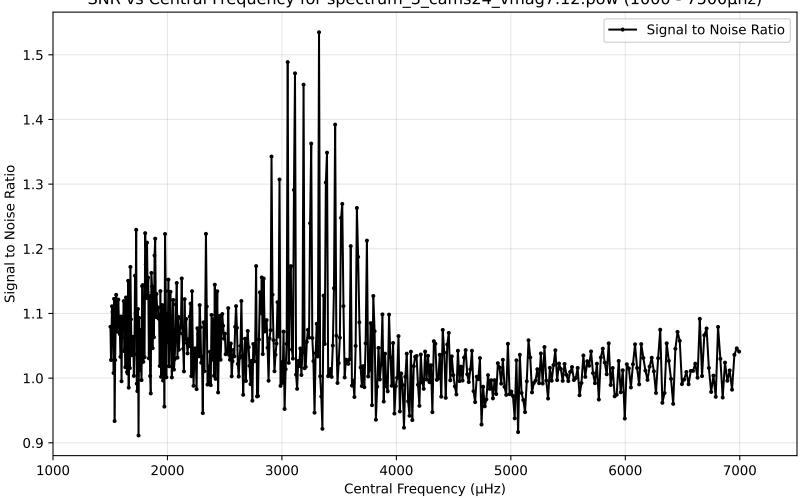
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag9.46.pow (1000 - 7500µhz)



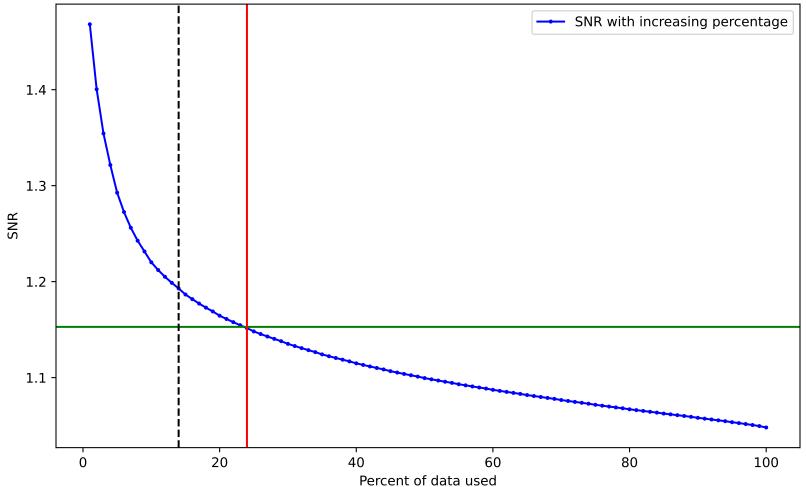
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag9.46.pow. Drowned by noise at 7.0%.

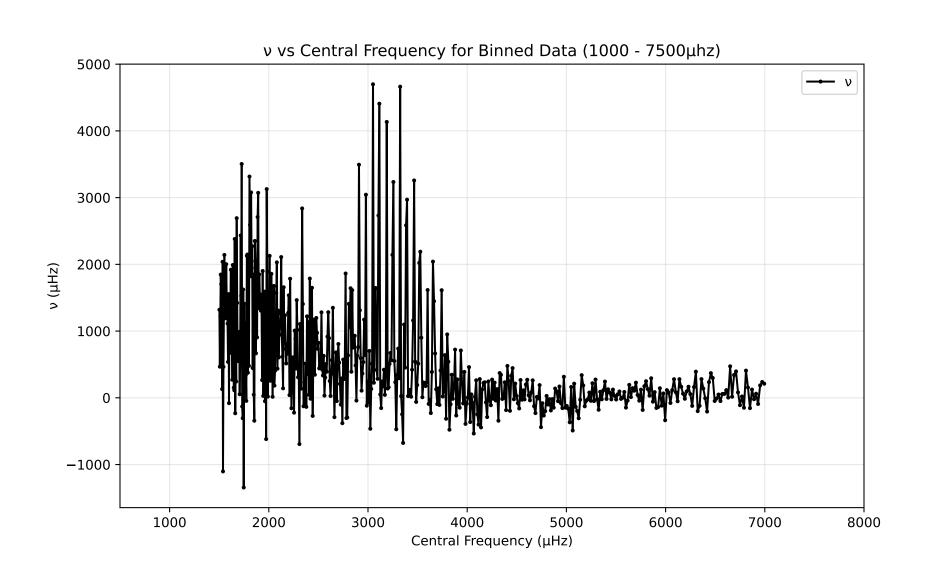


SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.12.pow (1000 - 7500µhz)

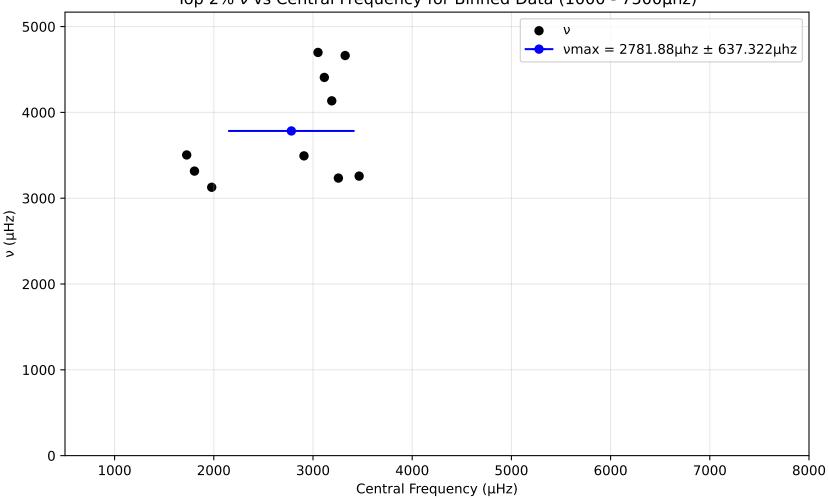


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.12.pow. Drowned by noise at 24.0%.



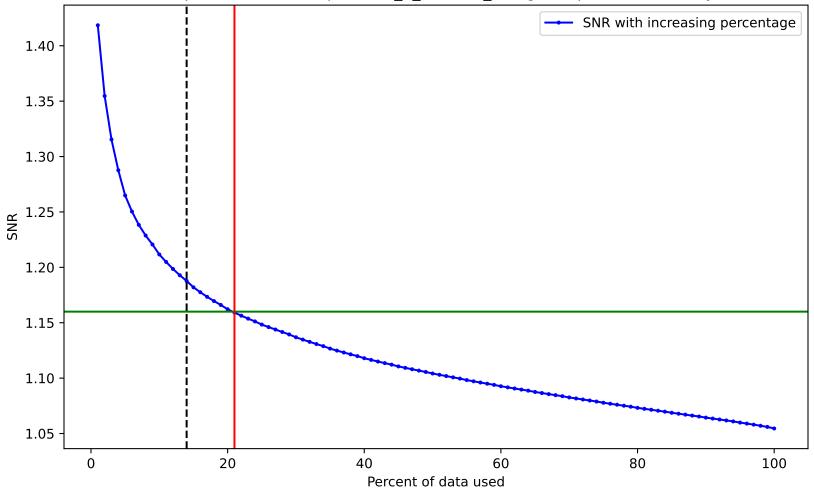


Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



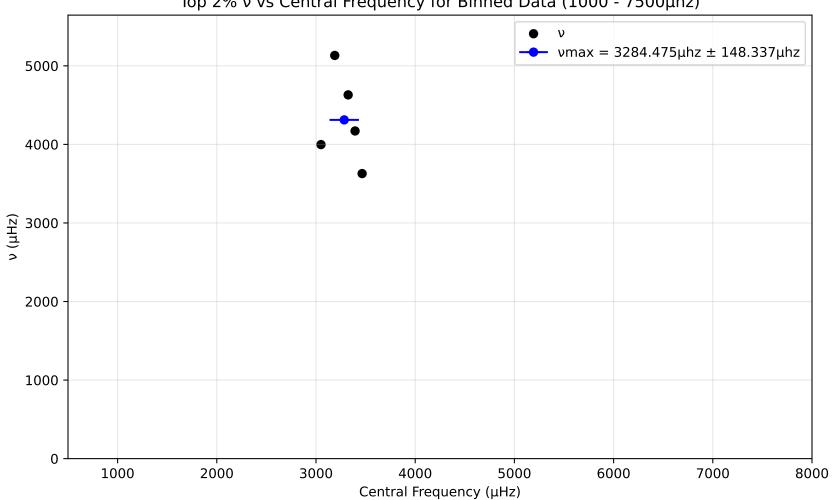
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.43.pow (1000 - 7500µhz) 1.5 Signal to Noise Ratio 1.4 1.3 Signal to Noise Ratio 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.43.pow. Drowned by noise at 21.0%.



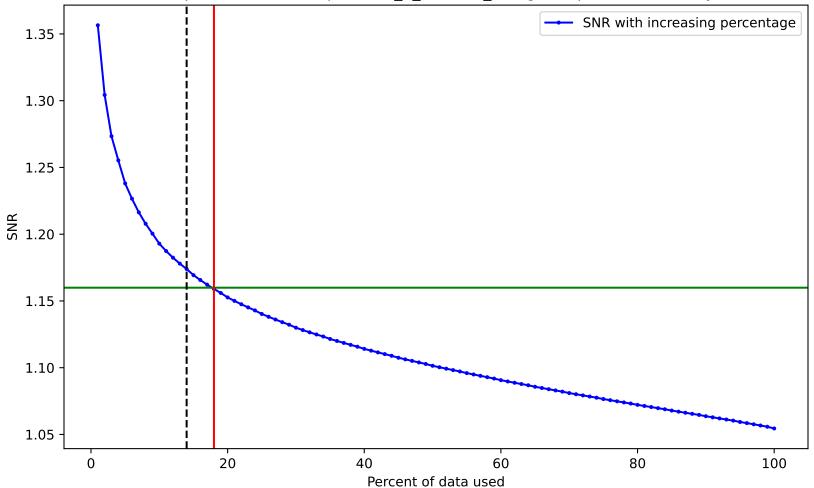
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500  $\mu hz)$ v (µHz) -1000 

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

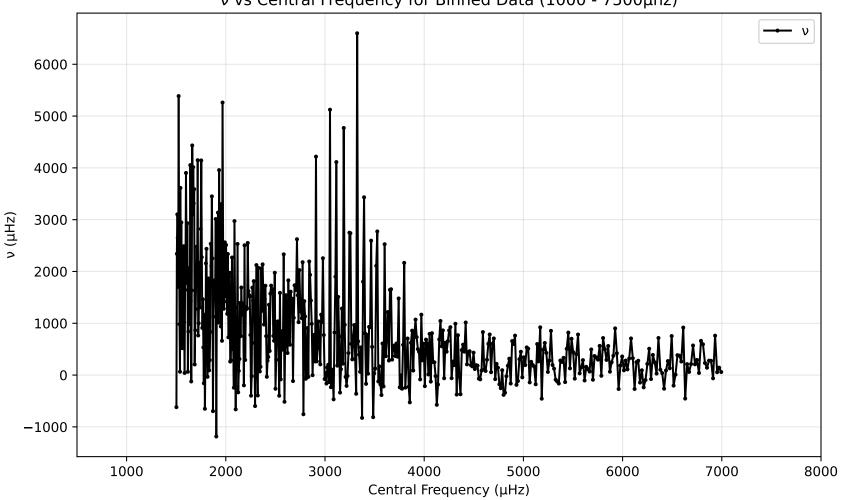


SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.82.pow (1000 - 7500µhz) 1.5 Signal to Noise Ratio 1.4 Signal to Noise Ratio 1.3 1.2 1.1 1.0 1000 2000 3000 4000 5000 6000 7000

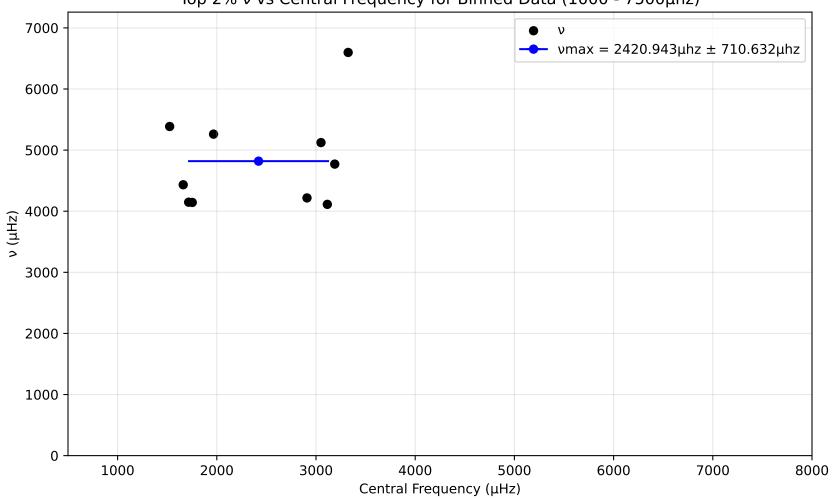
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.82.pow. Drowned by noise at 18.0%.



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

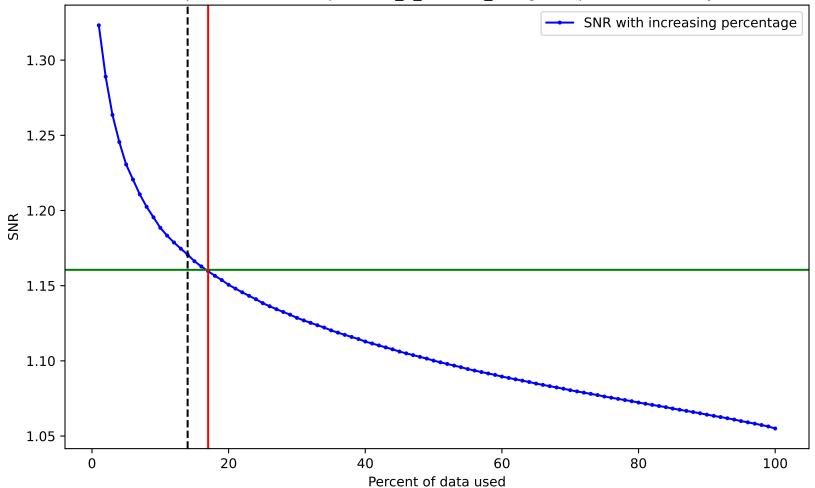


Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



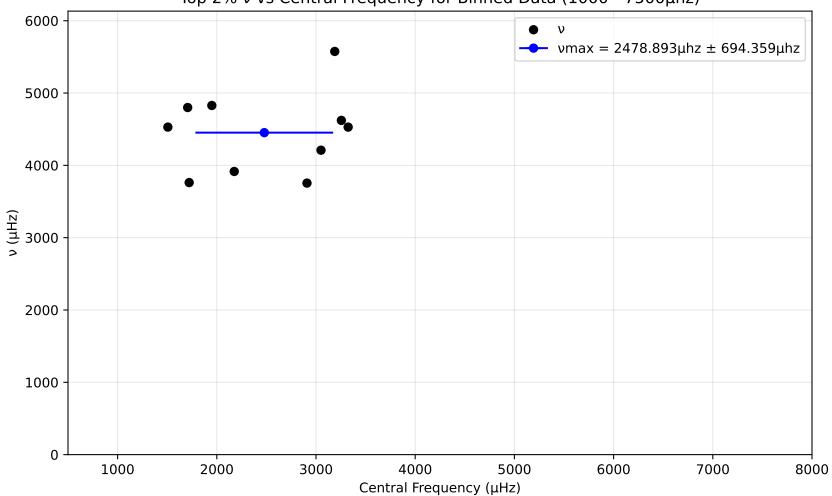
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.90.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.0 0.9 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.90.pow. Drowned by noise at 17.0%.

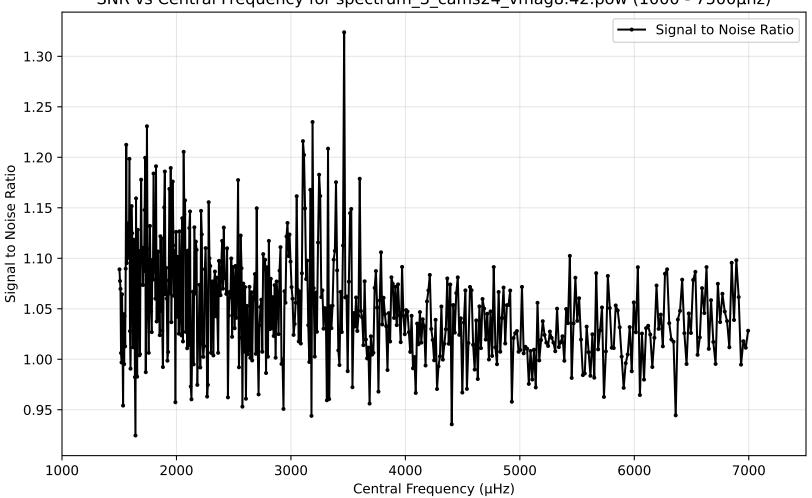


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 -2000 

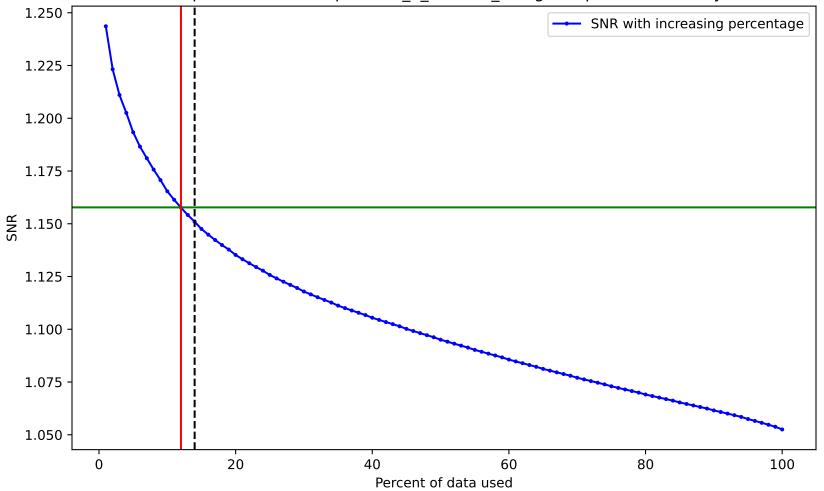
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



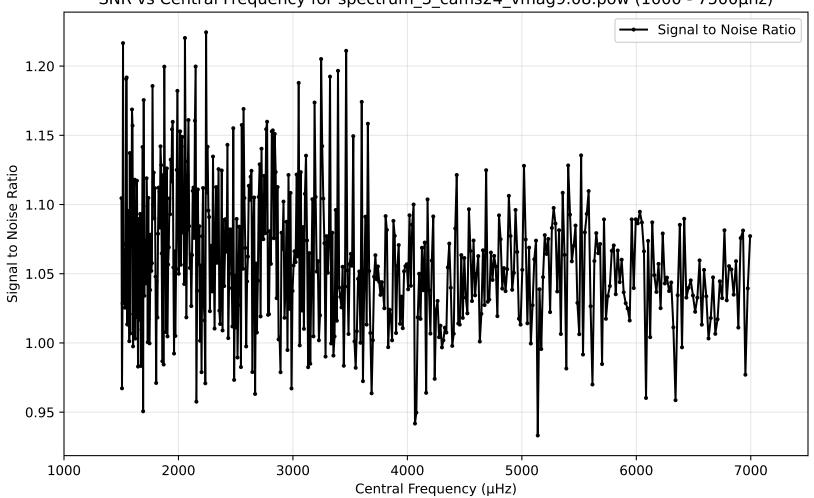
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag8.42.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_3\_cams24\_vmag8.42.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_3\_cams24\_vmag9.08.pow (1000 - 7500µhz)

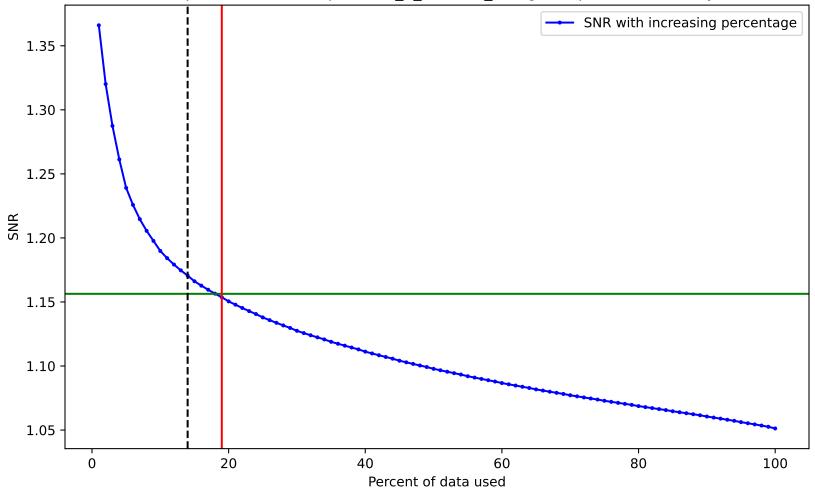


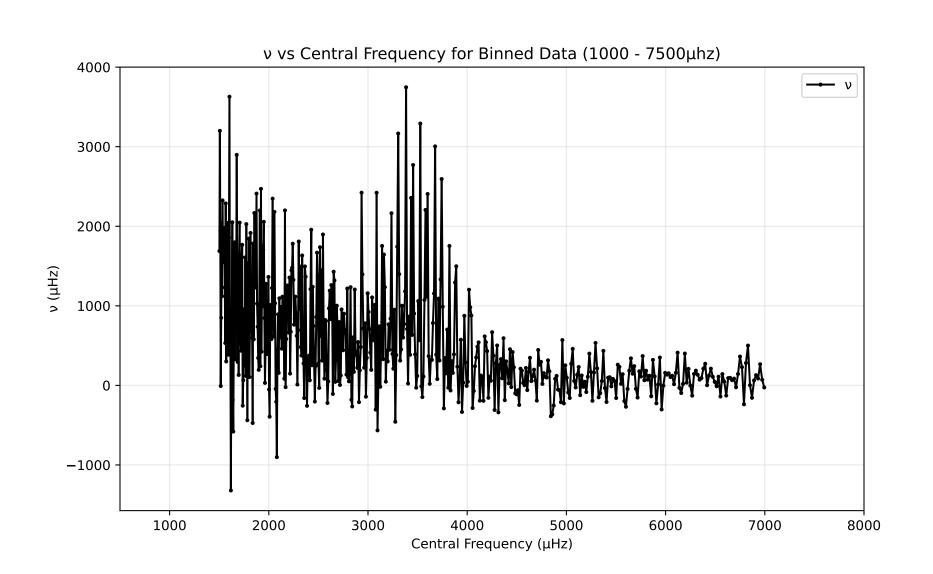
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag9.08.pow. Drowned by noise at 10.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 ¥ 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

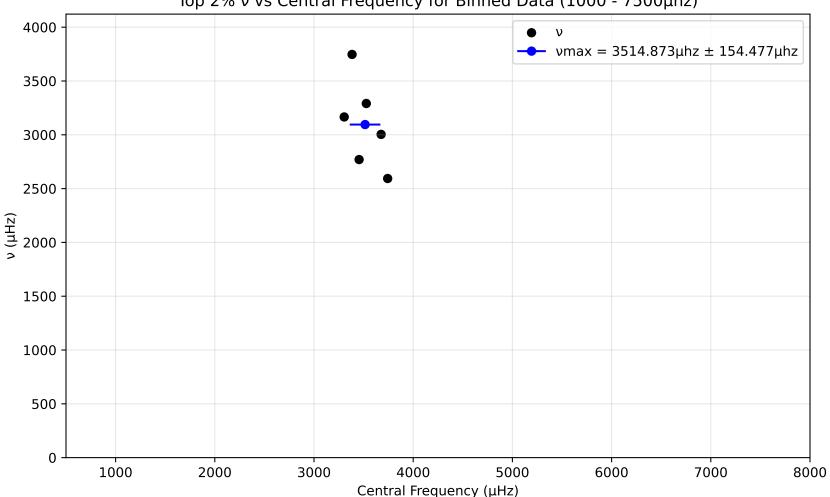
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag7.23.pow (1000 - 7500µhz) Signal to Noise Ratio 1.4 1.3 Signal to Noise Ratio 1.2 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_4\_cams24\_vmag7.23.pow. Drowned by noise at 19.0%.





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



SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.86.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

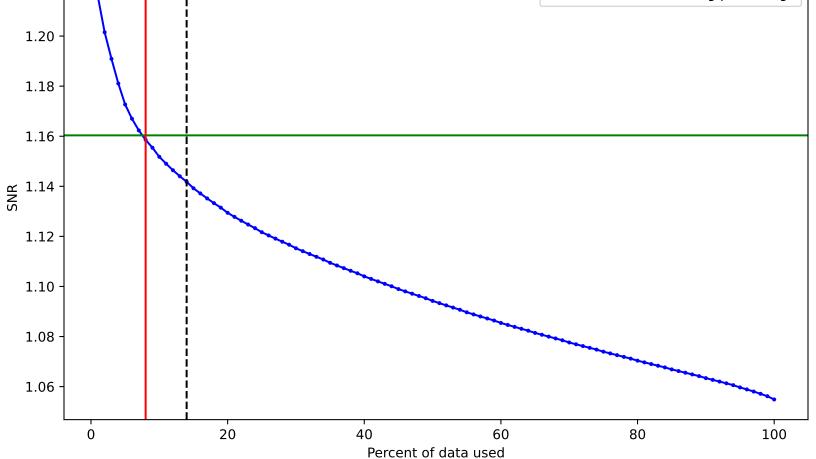
Signal to Noise Ratio

1000

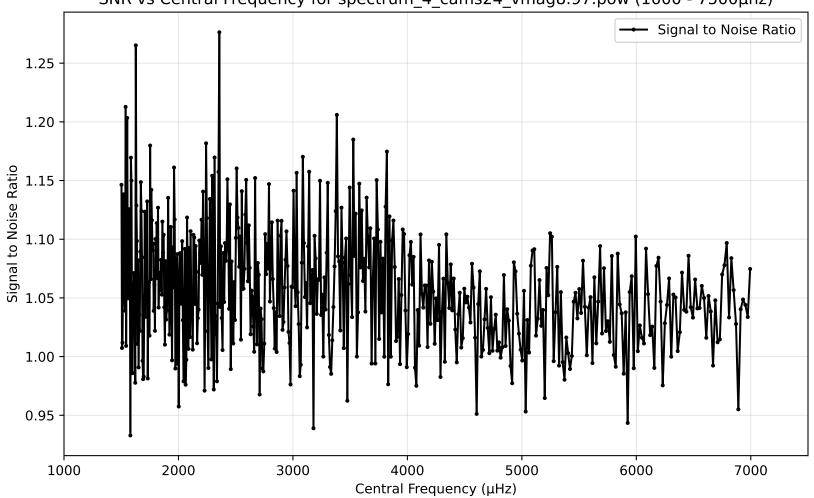
2000

3000

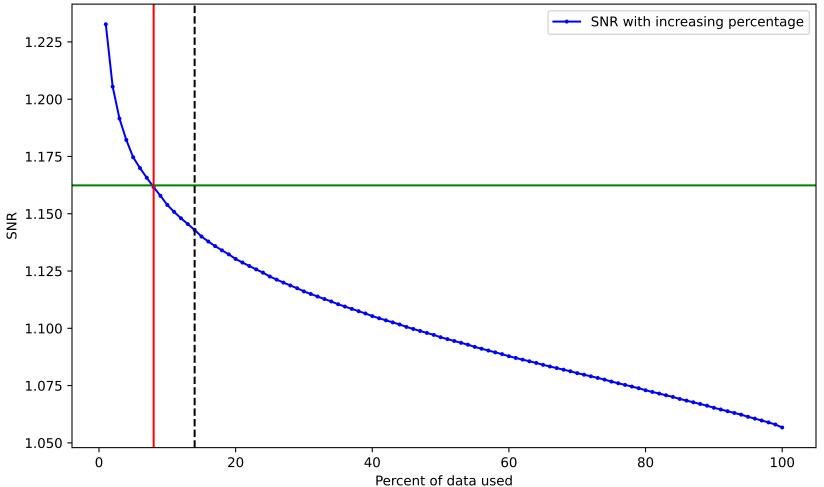
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.86.pow. Drowned by noise at 8.0%. 1.22 -SNR with increasing percentage

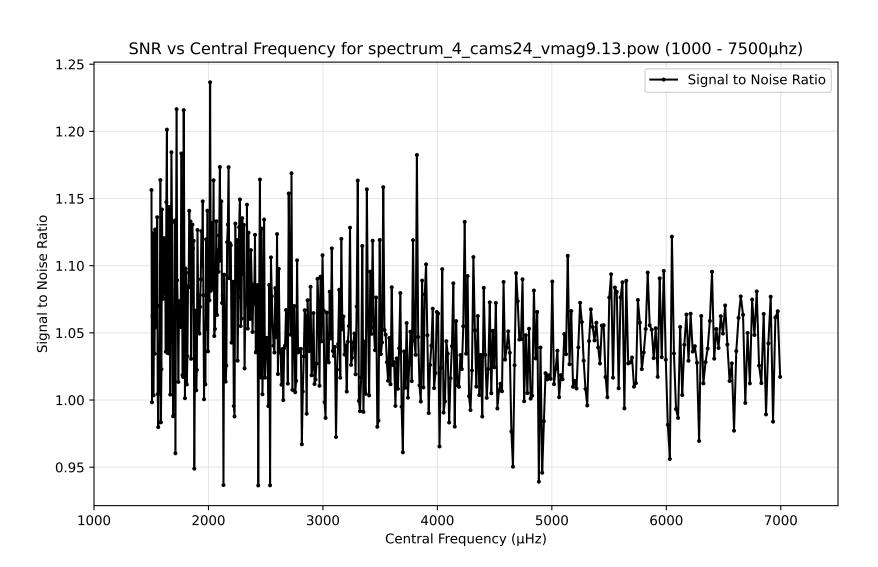


SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.97.pow (1000 - 7500µhz)

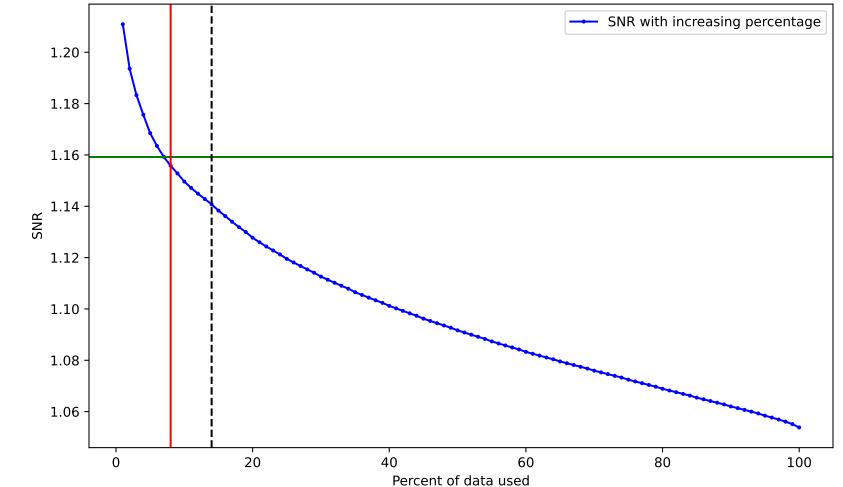


SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.97.pow. Drowned by noise at 8.0%.



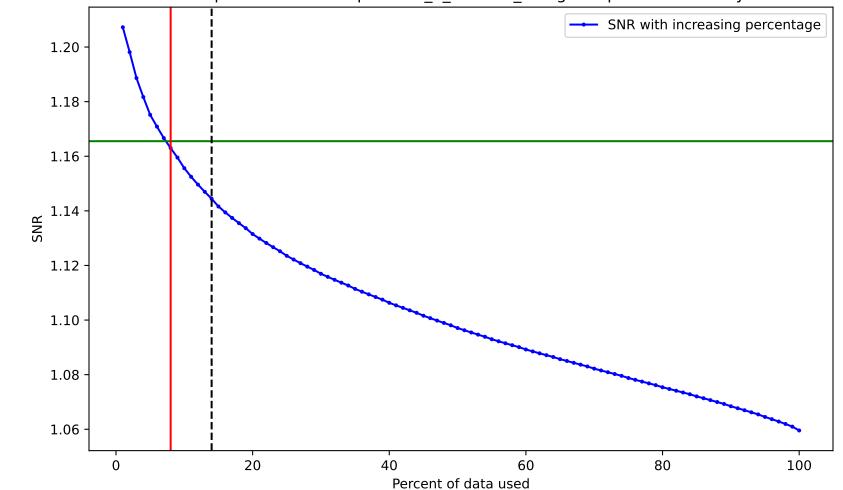


SNR variation for top n% of data for spectrum\_4\_cams24\_vmag9.13.pow. Drowned by noise at 8.0%.

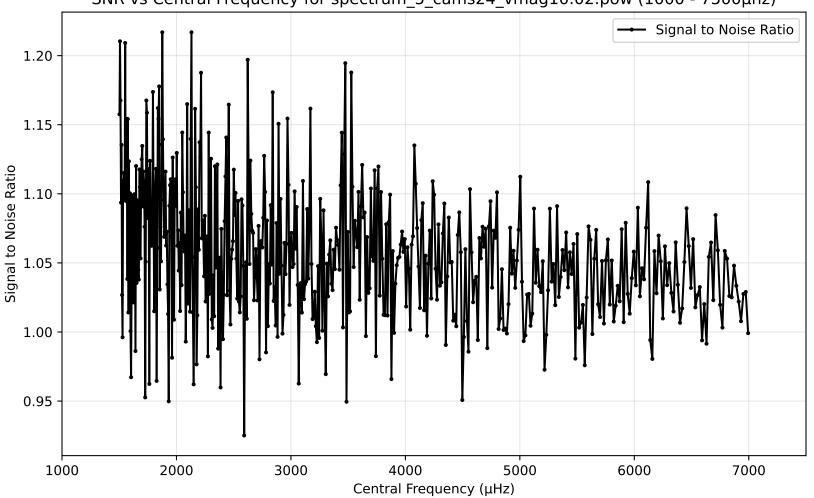


SNR vs Central Frequency for spectrum\_4\_cams24\_vmag9.83.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 6000 7000 5000

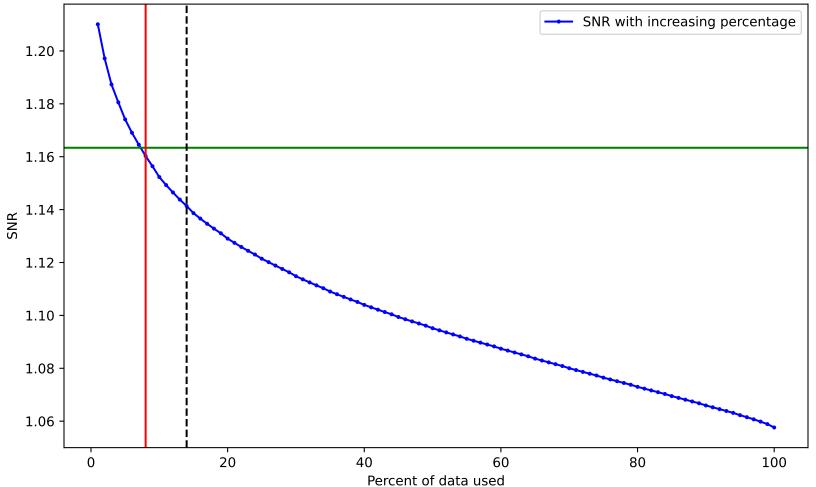
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag9.83.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_5\_cams24\_vmag10.02.pow (1000 -  $7500\mu hz$ )

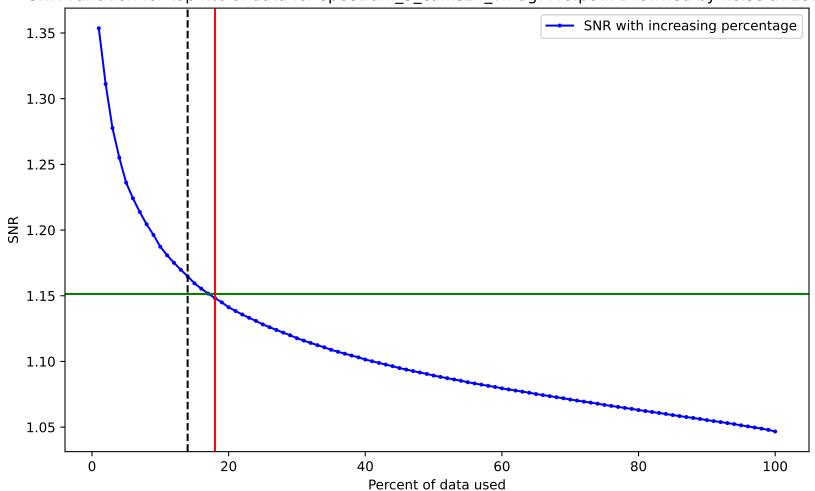


SNR variation for top n% of data for spectrum\_5\_cams24\_vmag10.02.pow. Drowned by noise at 8.0%.



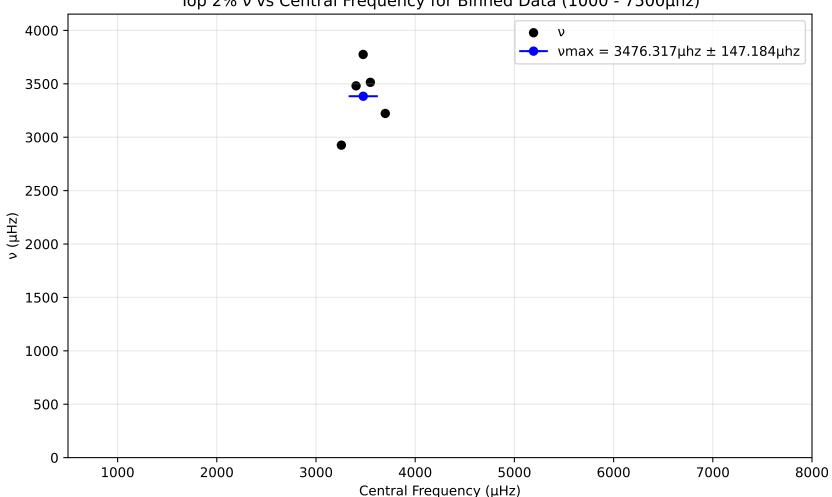
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag7.40.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.0 1000 2000 3000 4000 5000 6000 7000

SNR variation for top n% of data for spectrum\_5\_cams24\_vmag7.40.pow. Drowned by noise at 18.0%.

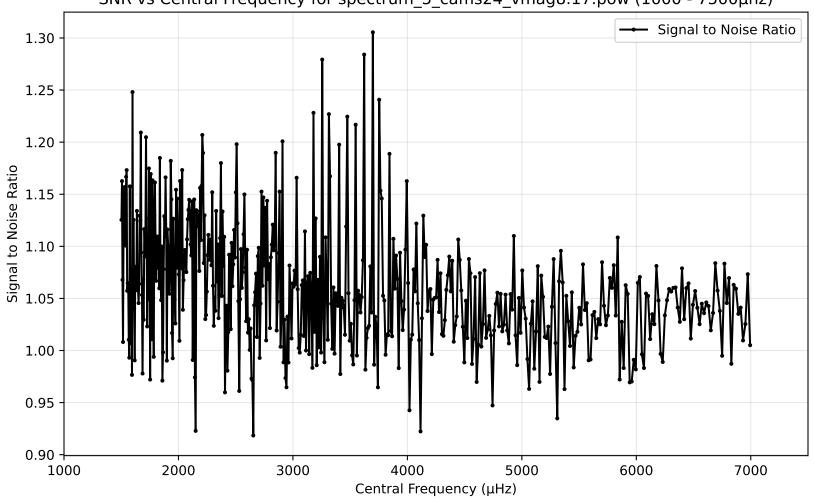


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 

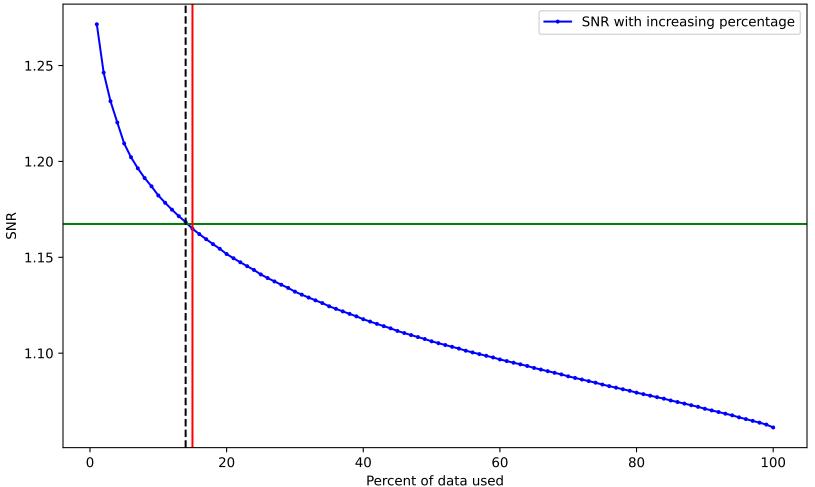
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



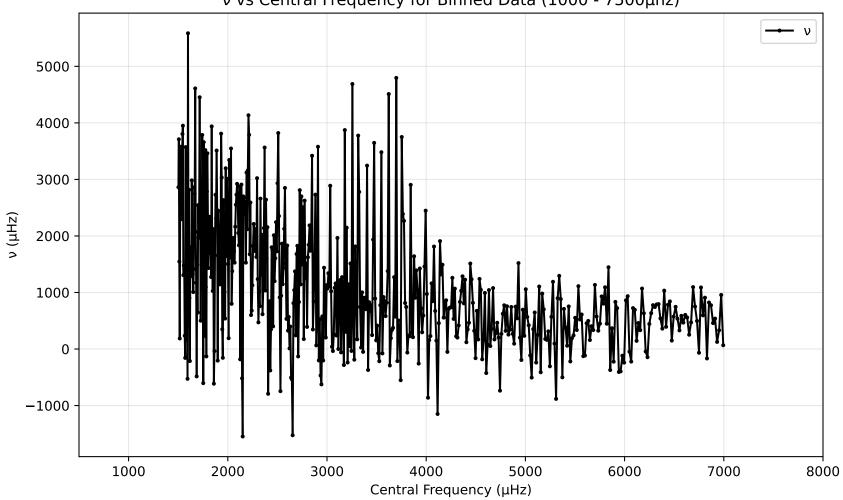
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag8.17.pow (1000 - 7500µhz)



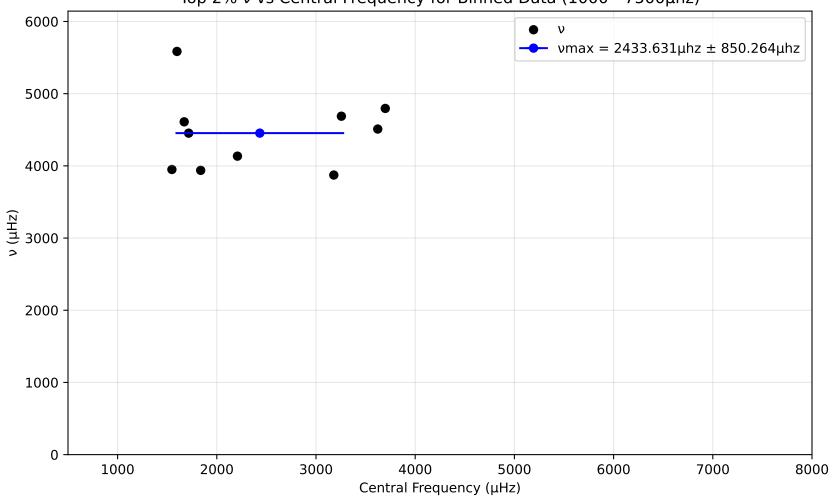
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag8.17.pow. Drowned by noise at 15.0%.



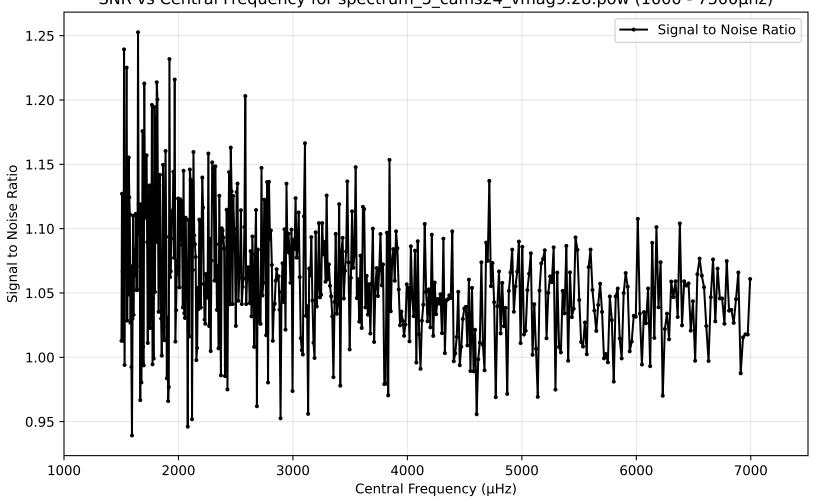
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



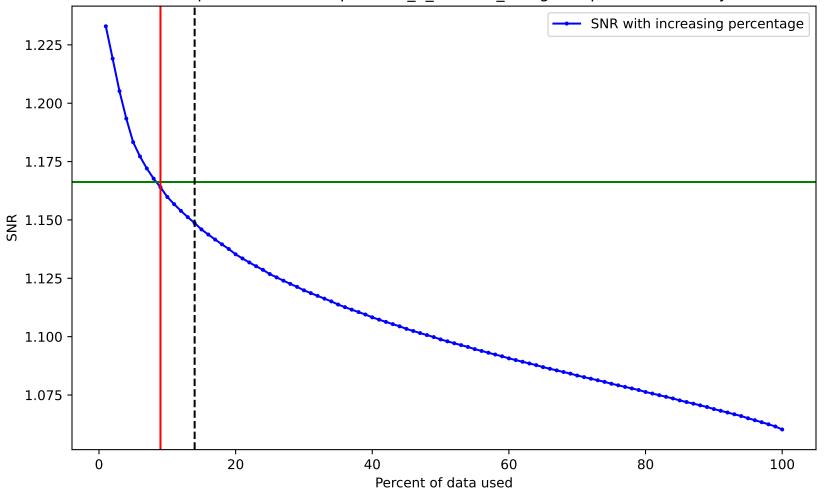
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



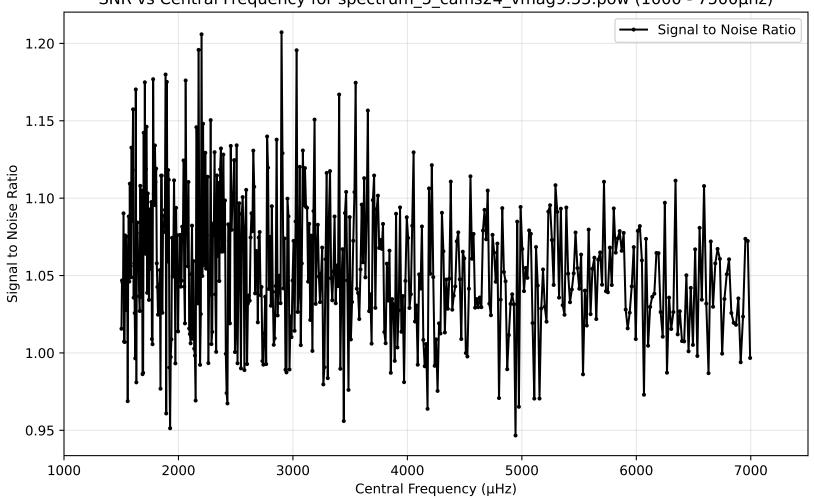
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag9.28.pow (1000 -  $7500\mu hz$ )



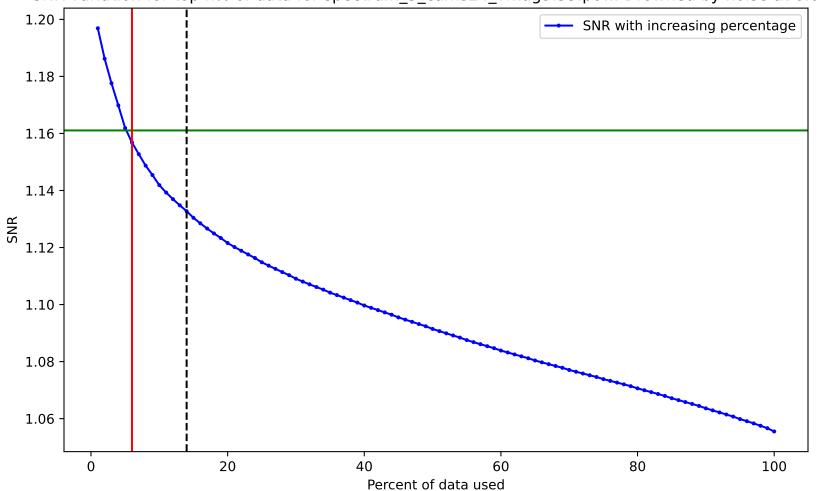
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag9.28.pow. Drowned by noise at 9.0%.



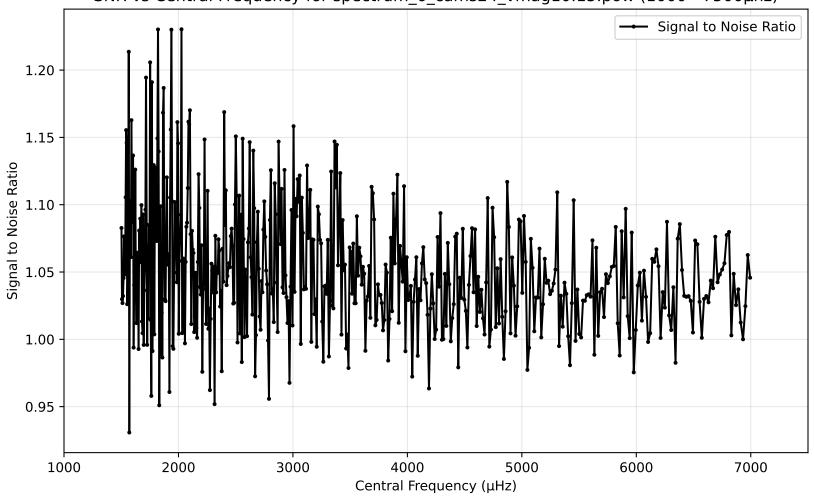
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag9.55.pow (1000 - 7500µhz)



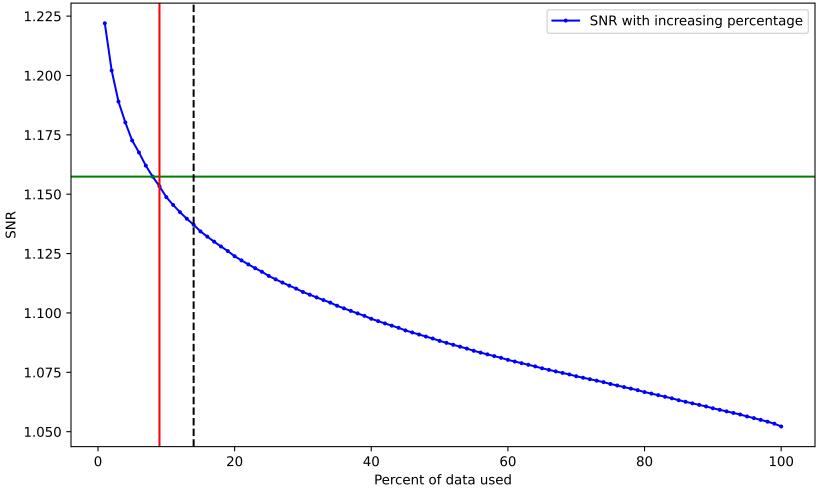
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag9.55.pow. Drowned by noise at 6.0%.



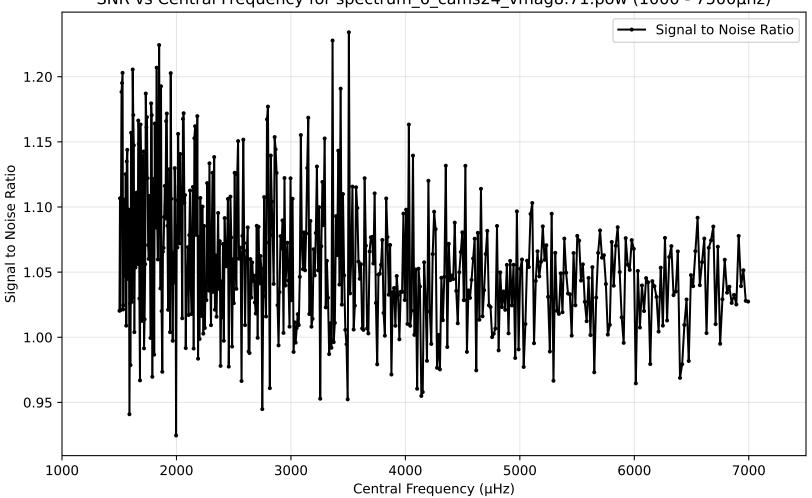
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag10.15.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_6\_cams24\_vmag10.15.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.71.pow (1000 - 7500µhz)



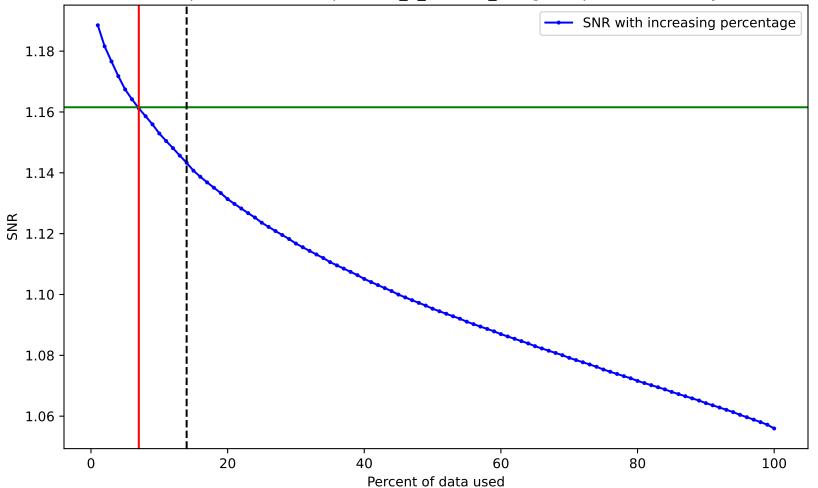
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag8.71.pow. Drowned by noise at 11.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 -¥ 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100

Percent of data used

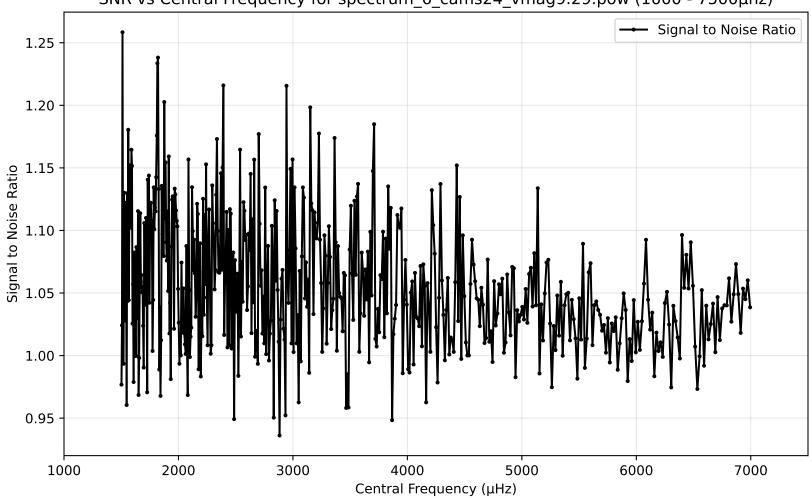
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.07.pow (1000 - 7500µhz) 1.20 Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

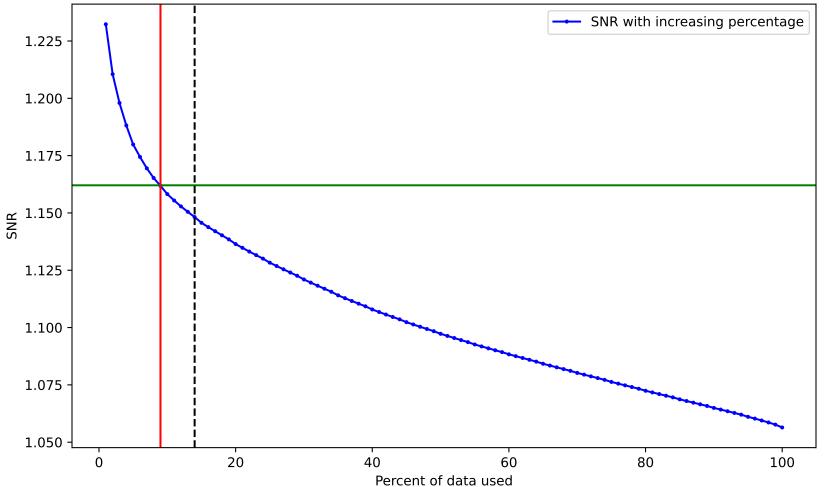
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.07.pow. Drowned by noise at 7.0%.



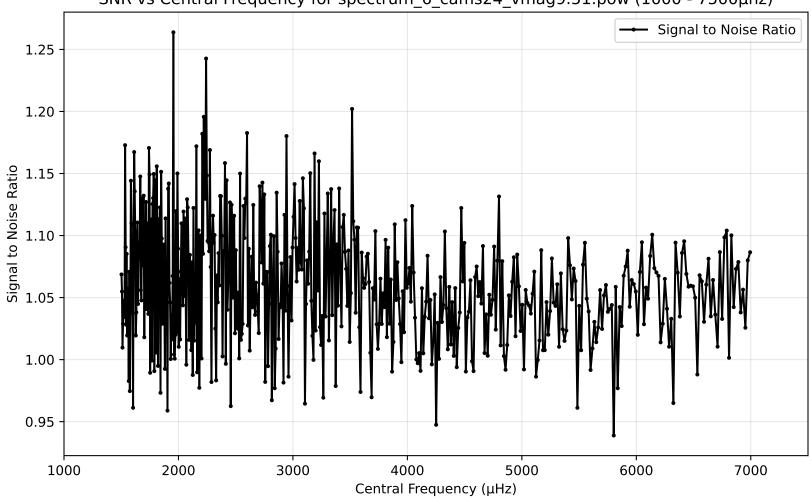
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.29.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.29.pow. Drowned by noise at 9.0%.



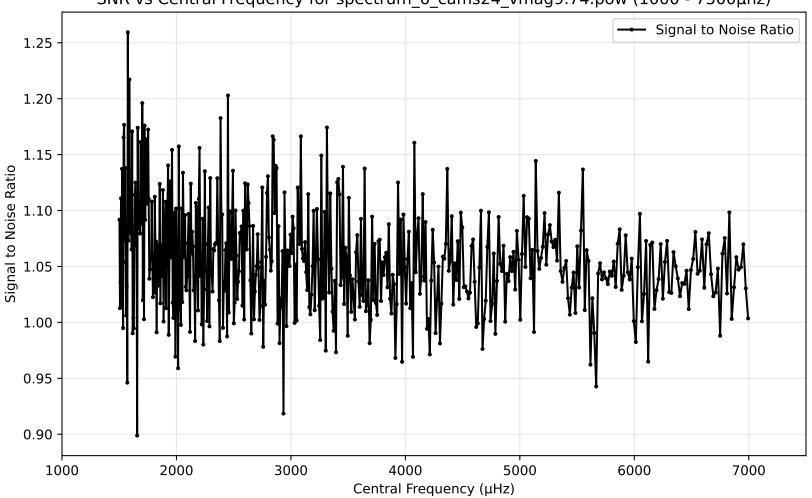
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.51.pow (1000 - 7500µhz)



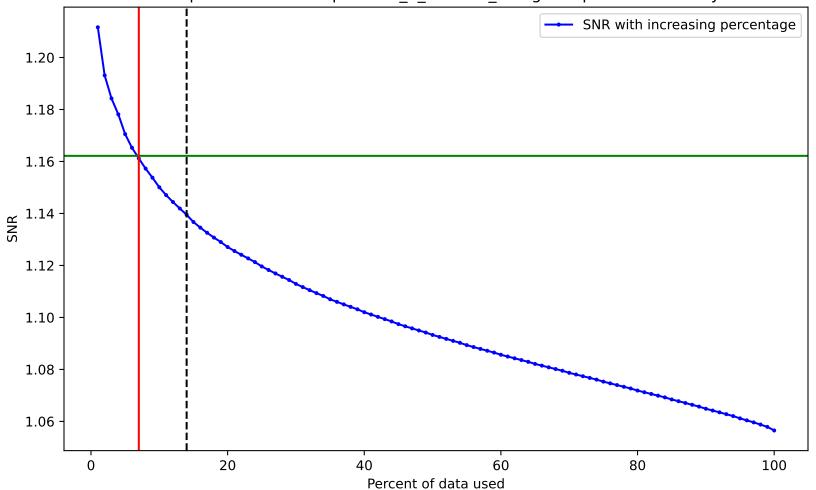
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.51.pow. Drowned by noise at 6.0%. 1.22 -SNR with increasing percentage 1.20 1.18 -1.16 ¥ 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

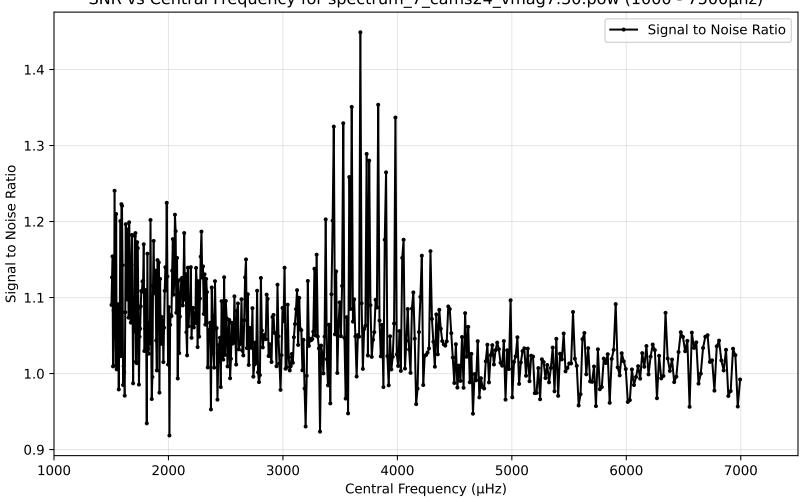
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.74.pow (1000 - 7500µhz)



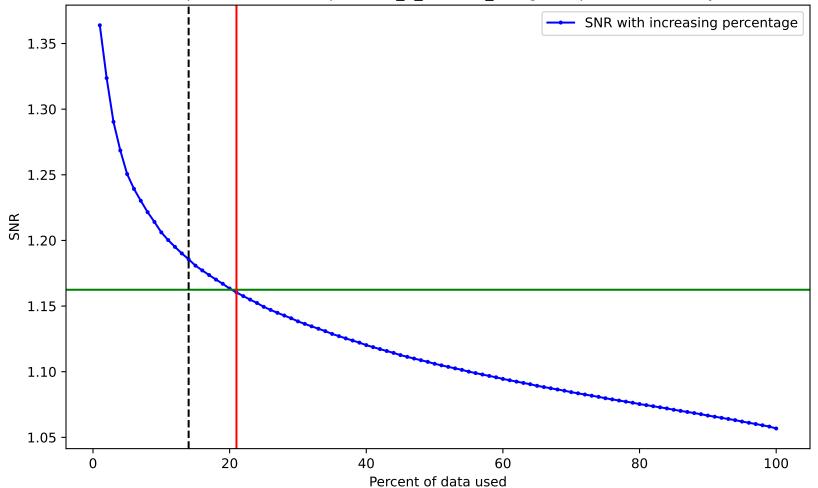
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.74.pow. Drowned by noise at 7.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag7.30.pow (1000 - 7500µhz)

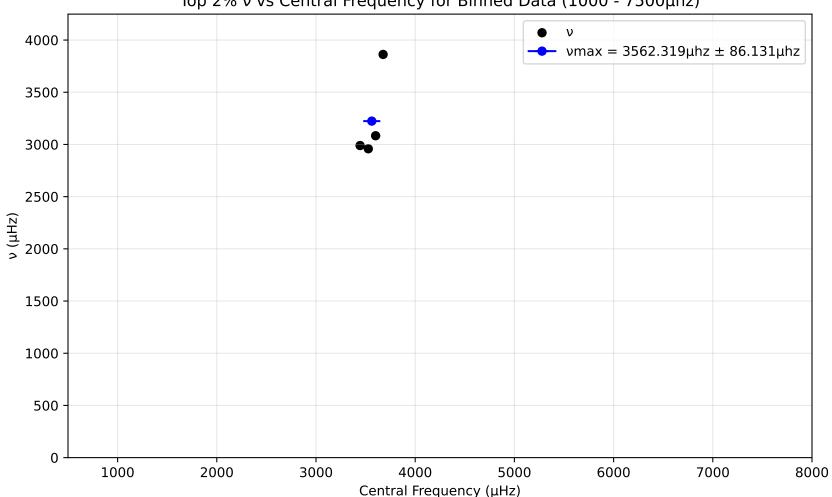


SNR variation for top n% of data for spectrum\_7\_cams24\_vmag7.30.pow. Drowned by noise at 21.0%.



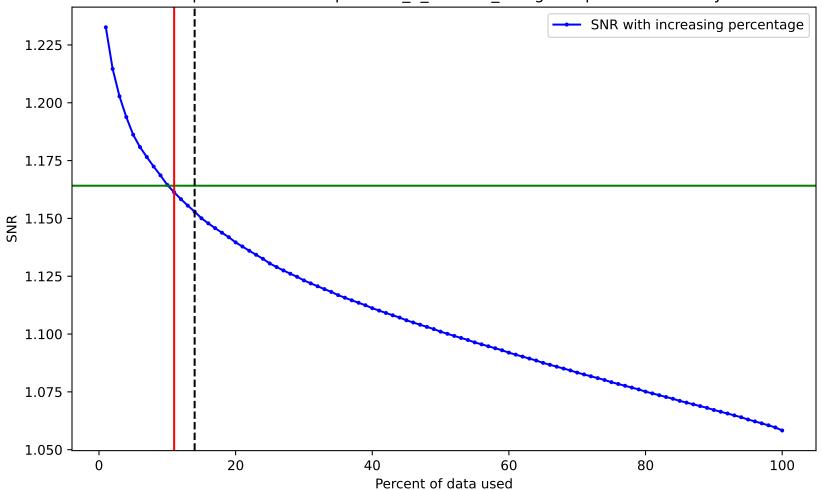
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

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

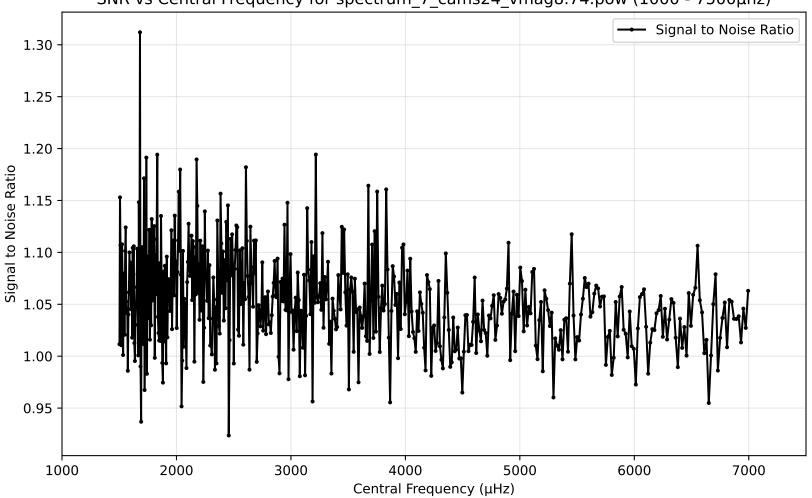


SNR vs Central Frequency for spectrum\_7\_cams24\_vmag8.62.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

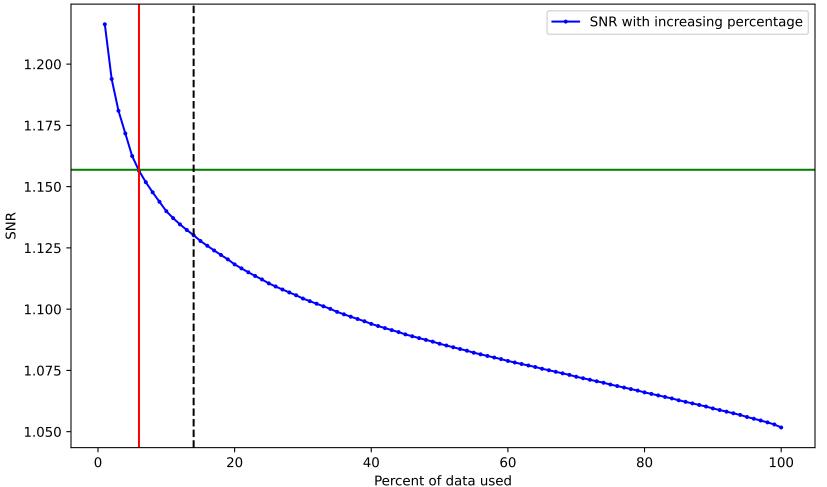
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag8.62.pow. Drowned by noise at 11.0%.



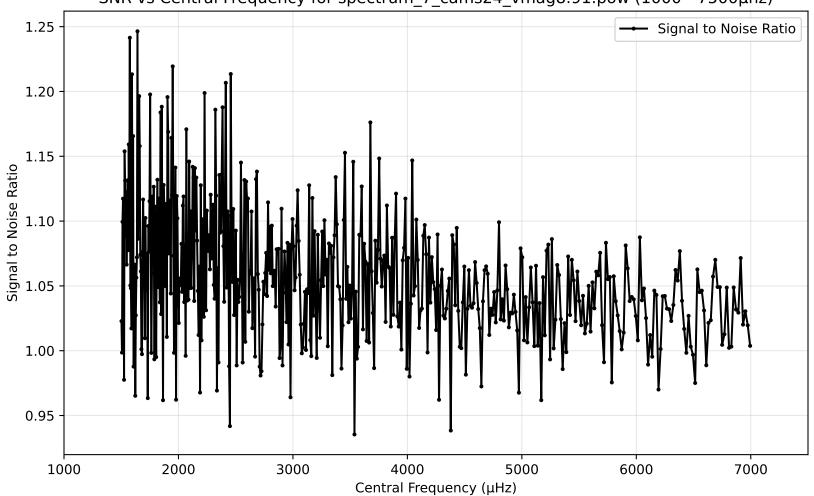
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag8.74.pow (1000 - 7500µhz)



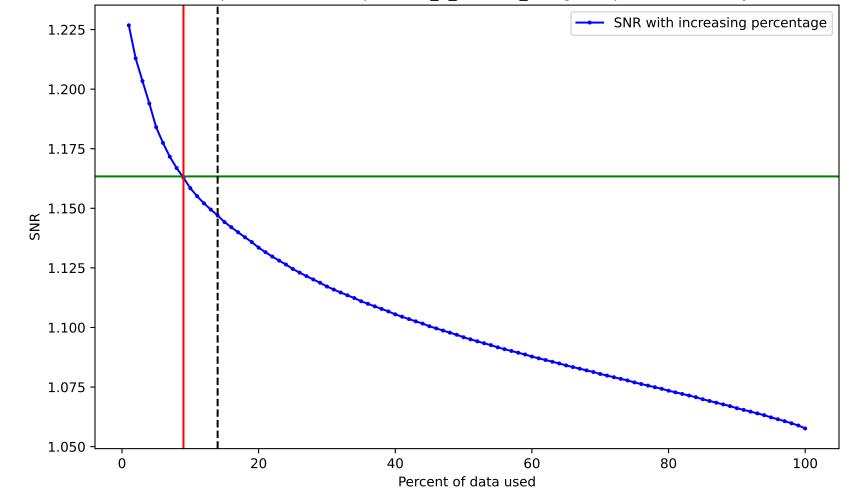
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag8.74.pow. Drowned by noise at 6.0%.



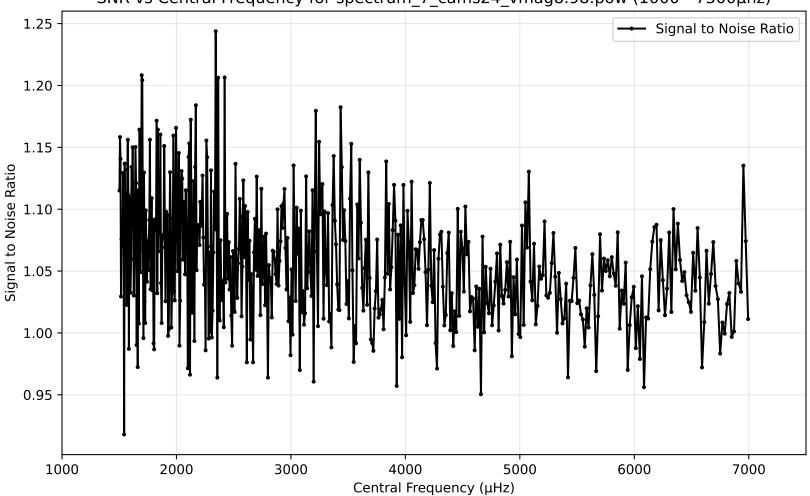
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag8.91.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_7\_cams24\_vmag8.91.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag8.98.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_7\_cams24\_vmag8.98.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

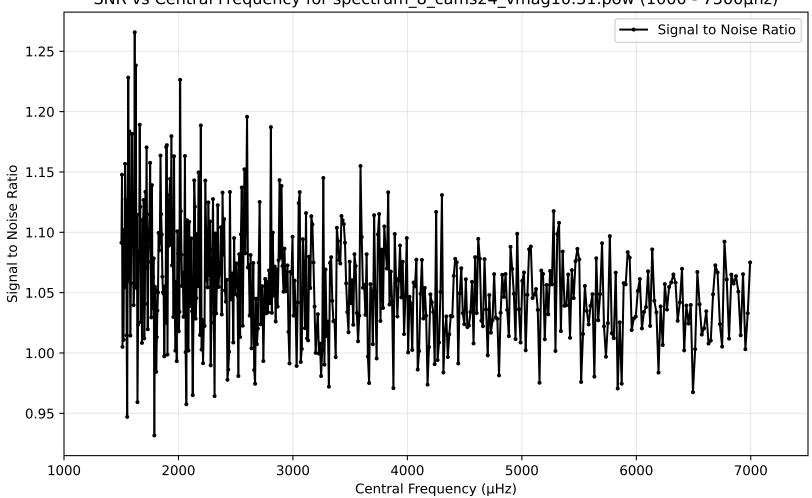
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.80.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

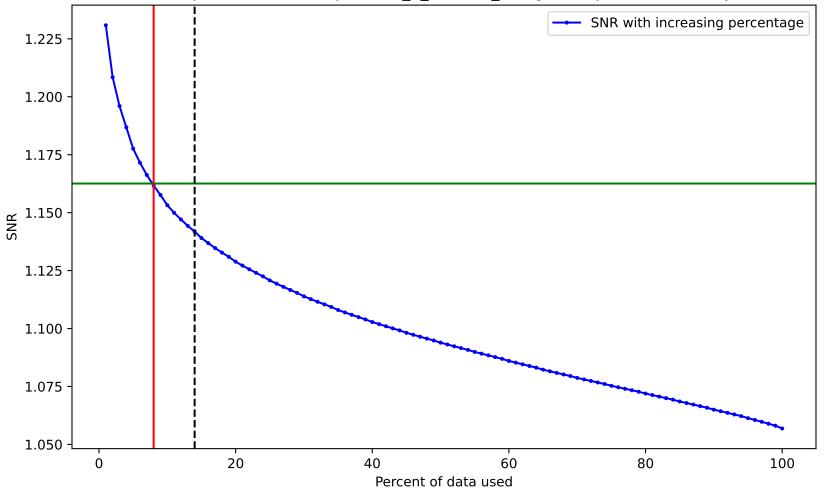
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.80.pow. Drowned by noise at 7.0%. 1.22 -SNR with increasing percentage 1.20 1.18 1.16 ¥ 1.14 -1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

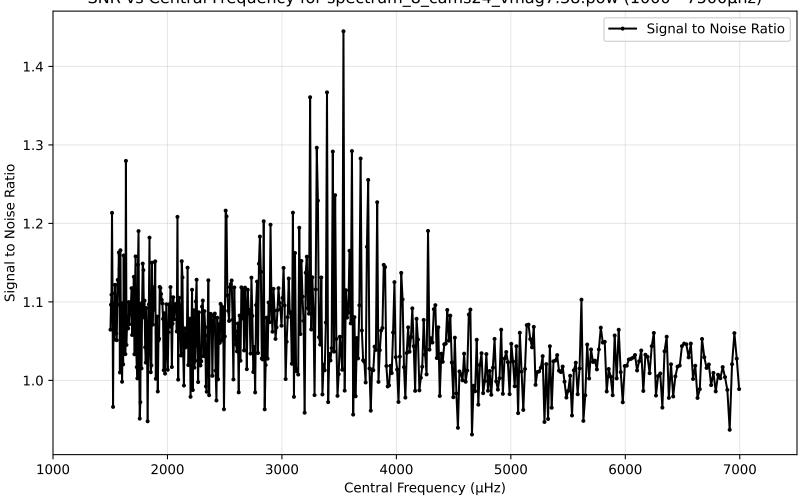
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag10.31.pow (1000 - 7500µhz)



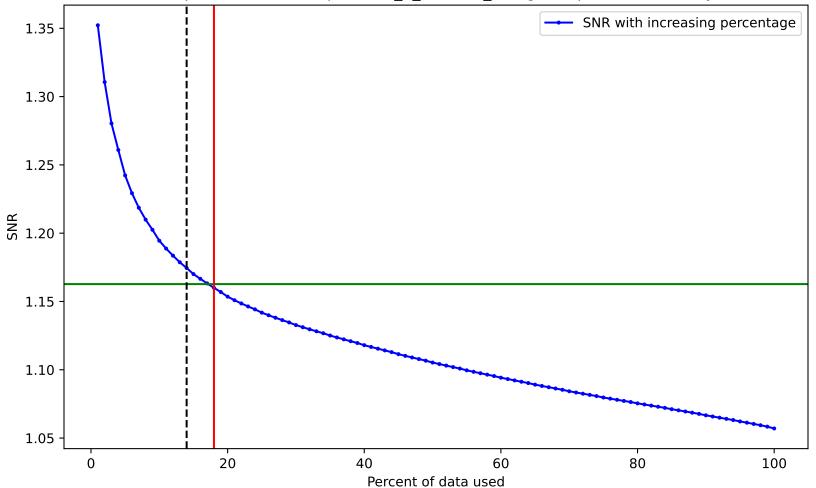
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag10.31.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.38.pow (1000 - 7500µhz)



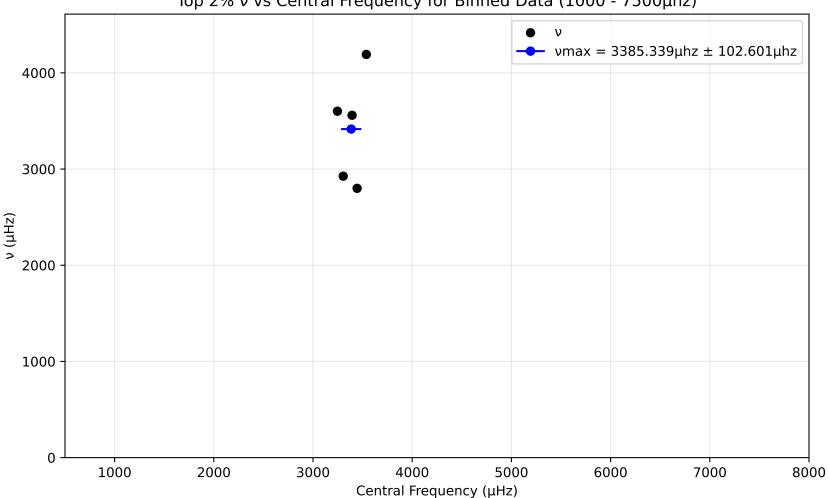
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.38.pow. Drowned by noise at 18.0%.



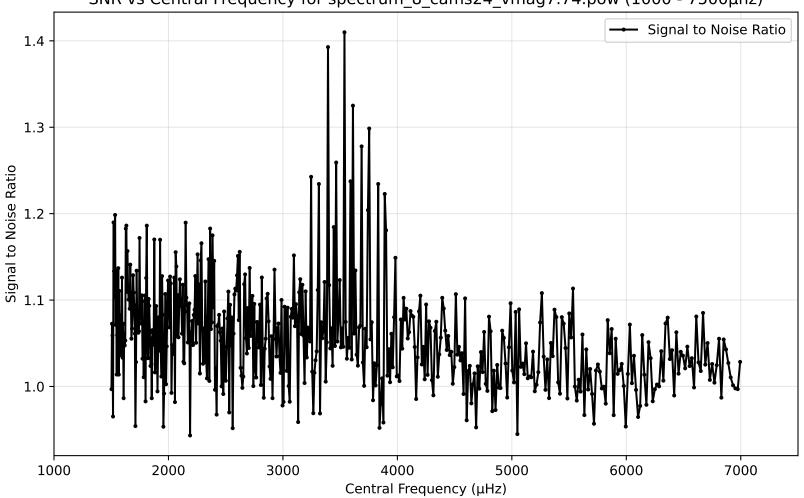
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000

Central Frequency (µHz)

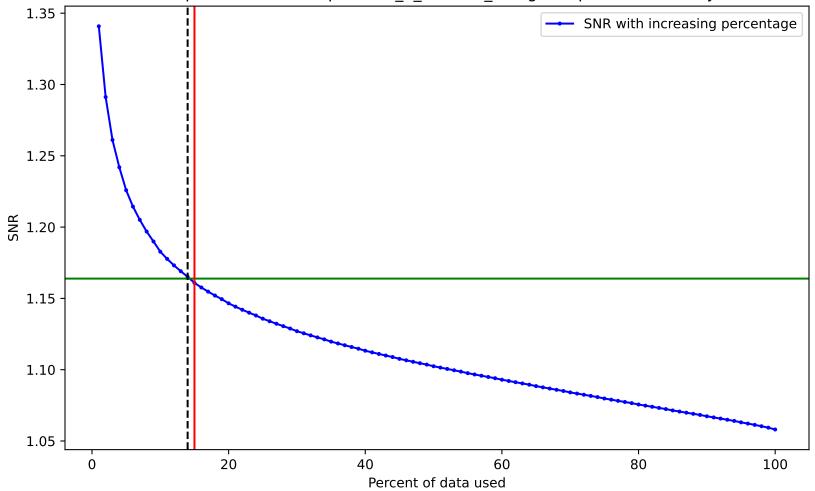
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.74.pow (1000 - 7500µhz)

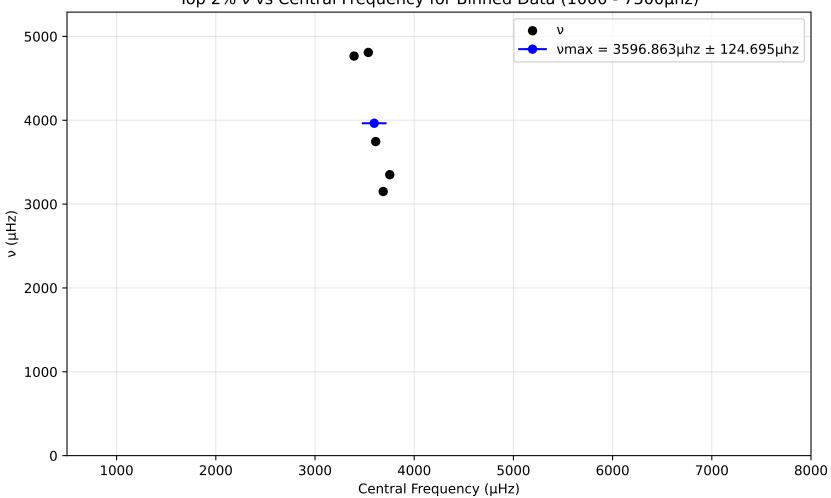


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.74.pow. Drowned by noise at 15.0%.

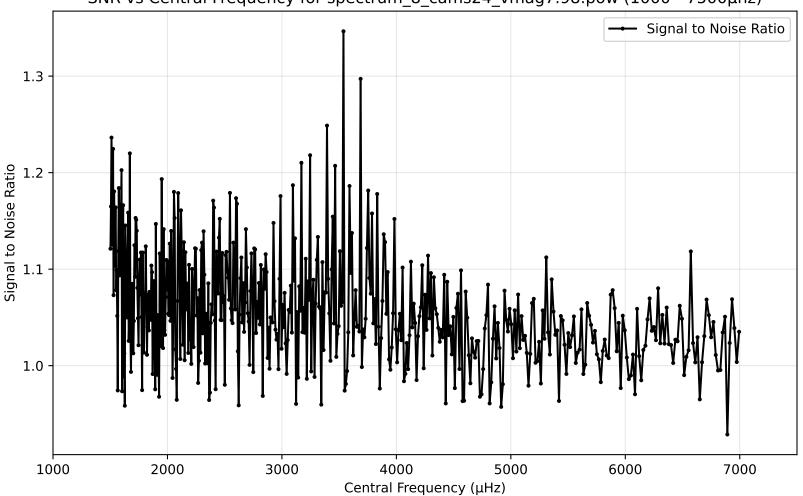


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

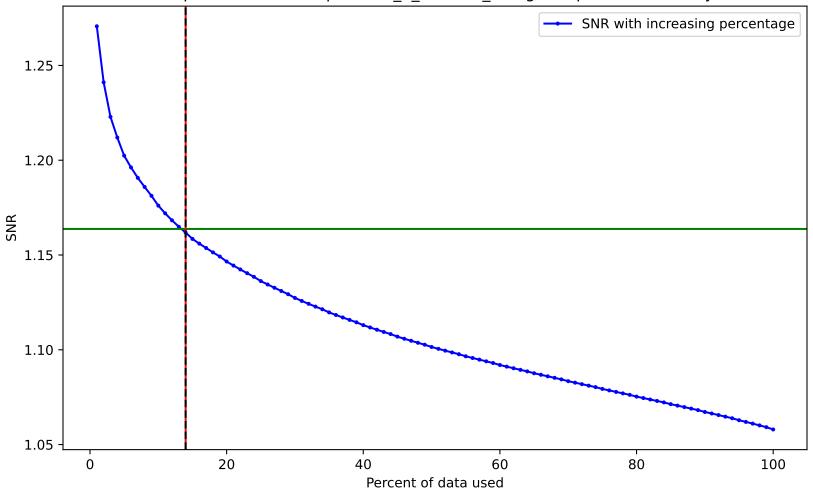
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



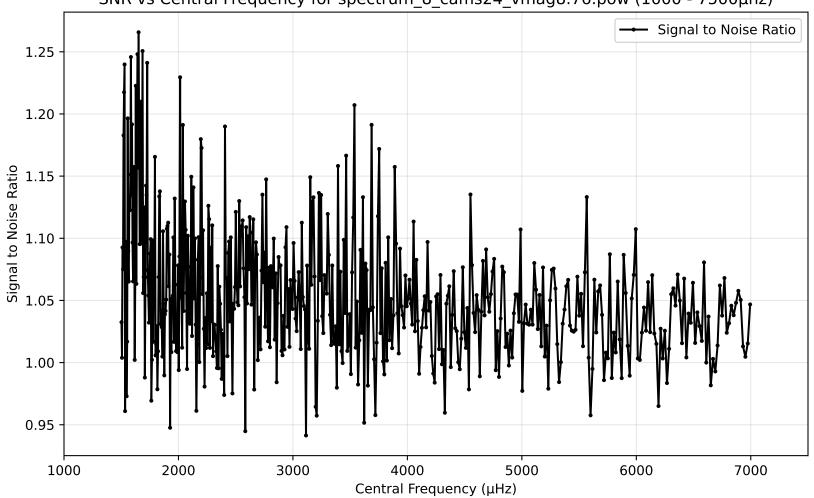
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.98.pow (1000 - 7500µhz)



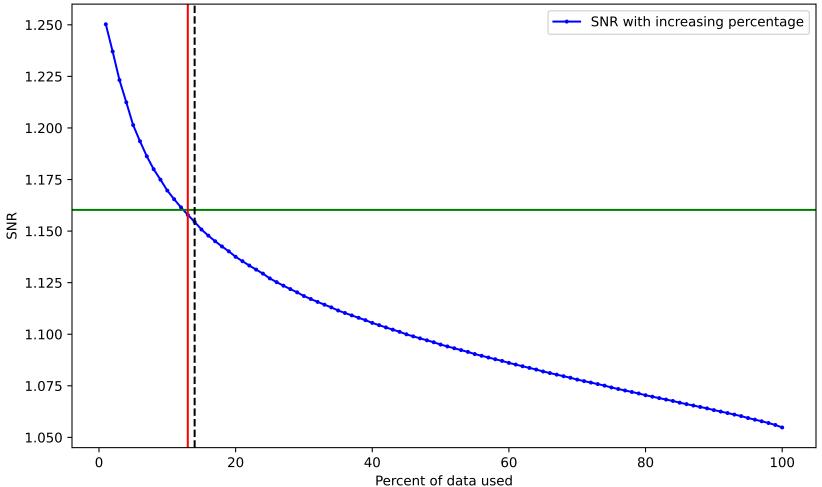
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.98.pow. Drowned by noise at 14.0%.



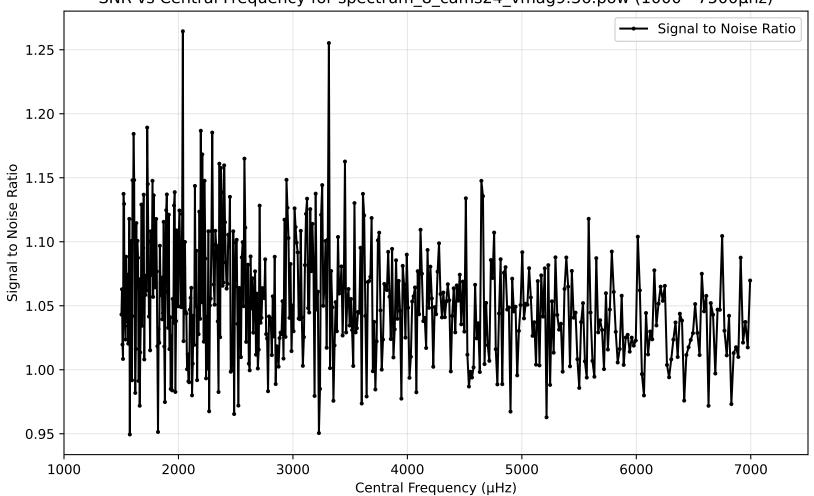
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag8.76.pow (1000 - 7500µhz)



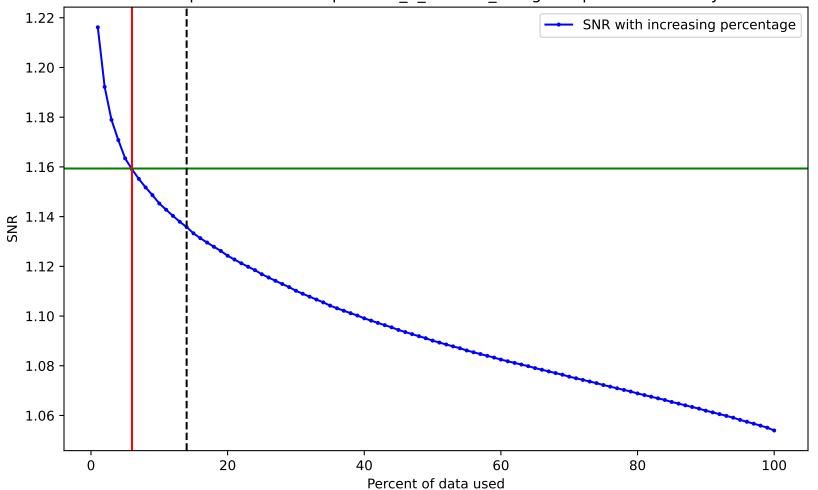
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag8.76.pow. Drowned by noise at 13.0%.



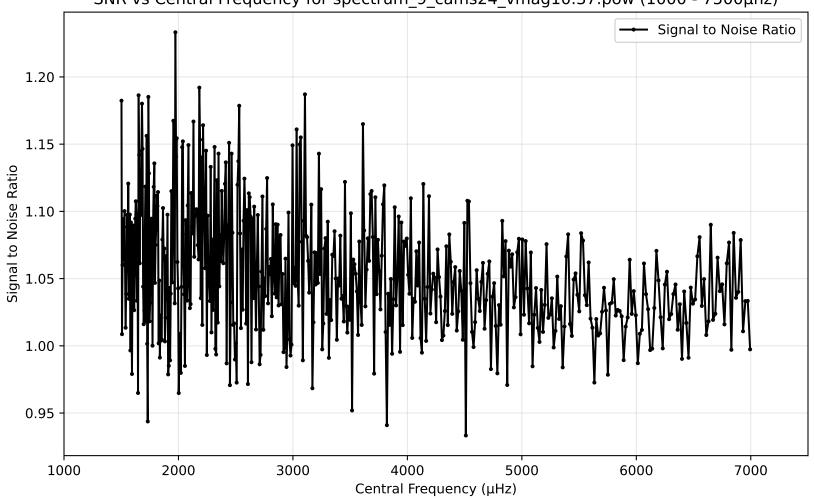
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag9.36.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_8\_cams24\_vmag9.36.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag10.37.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_9\_cams24\_vmag10.37.pow. Drowned by noise at 7.0%. 1.20 -SNR with increasing percentage 1.18 1.16 1.14 ₩ 1.12 1.10 1.08 1.06

60

Percent of data used

80

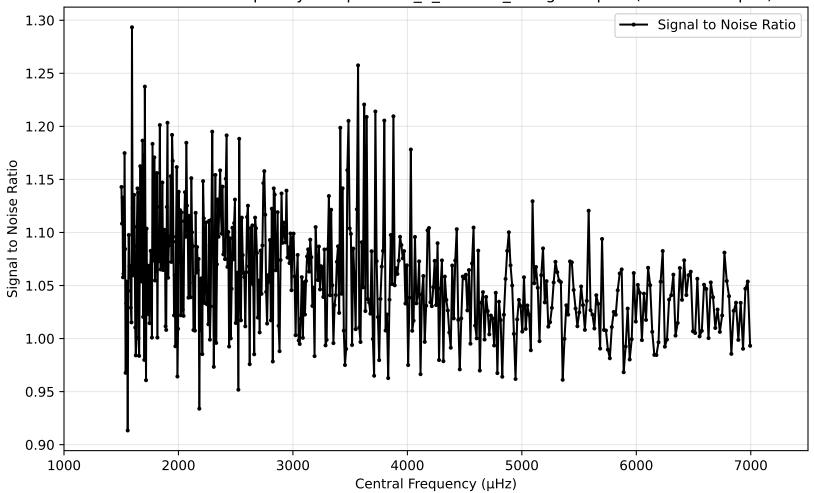
100

40

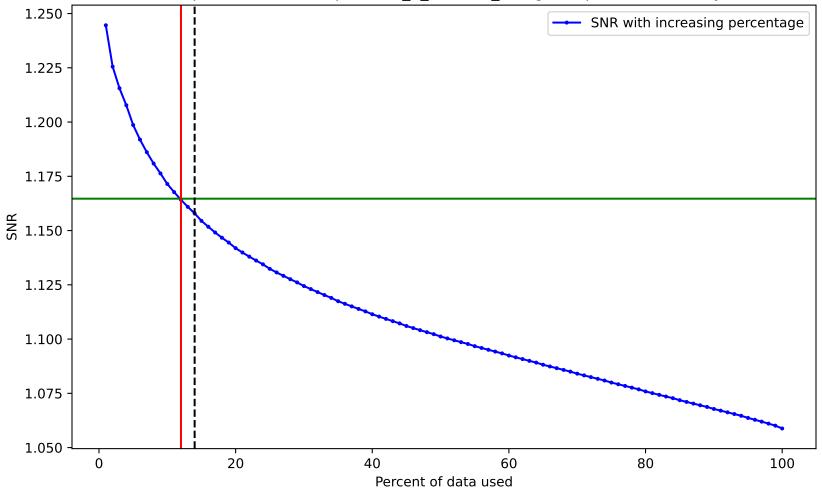
20

0

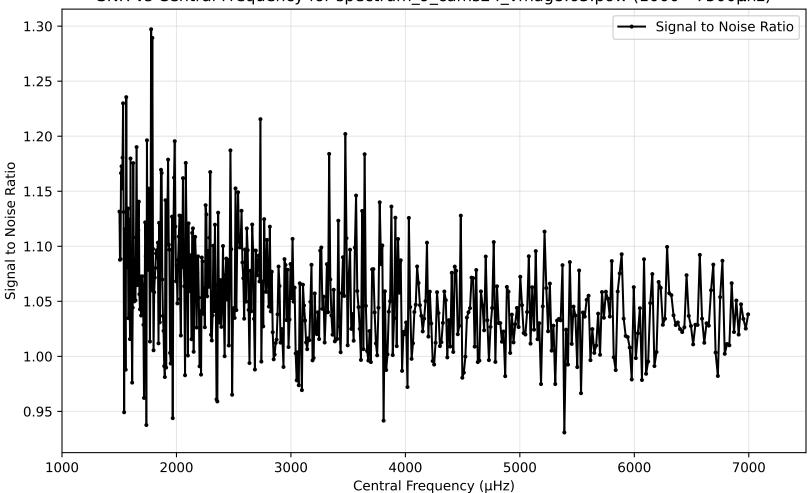
SNR vs Central Frequency for spectrum\_9\_cams24\_vmag8.23.pow (1000 -  $7500\mu hz$ )



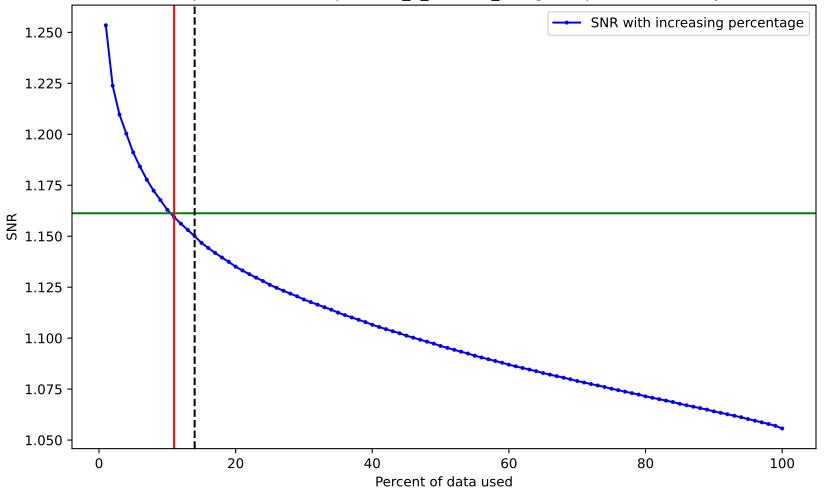
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.23.pow. Drowned by noise at 12.0%.



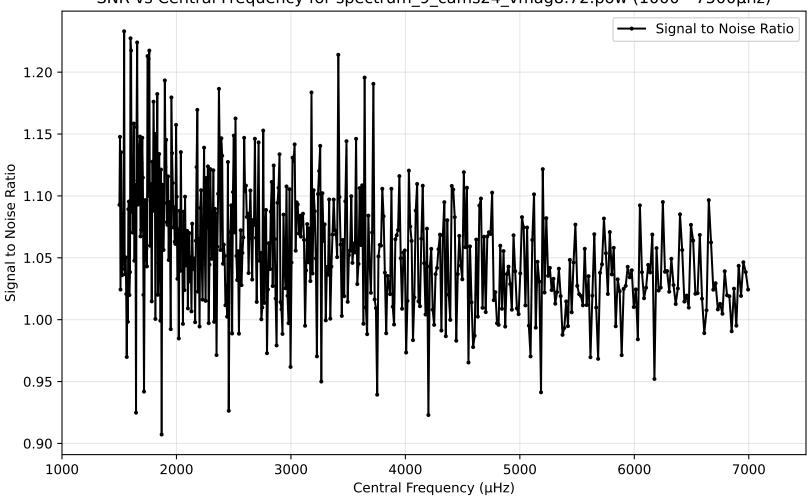
SNR vs Central Frequency for spectrum\_9\_cams24\_vmag8.63.pow (1000 - 7500µhz)



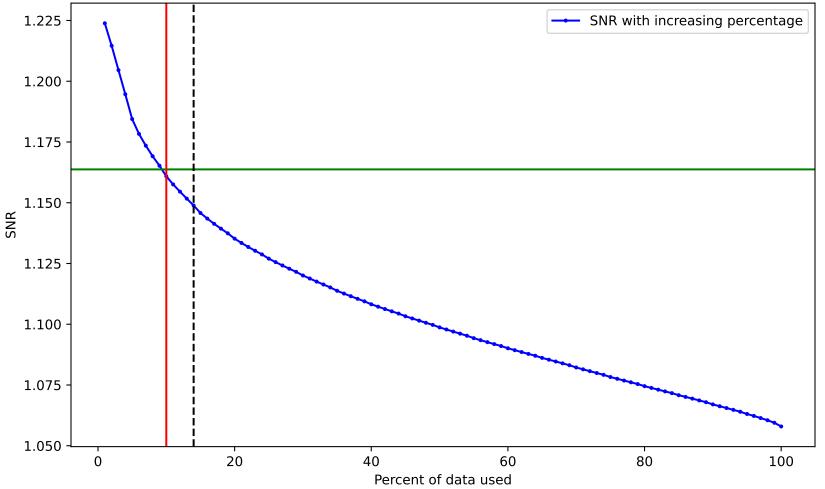
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.63.pow. Drowned by noise at 11.0%.



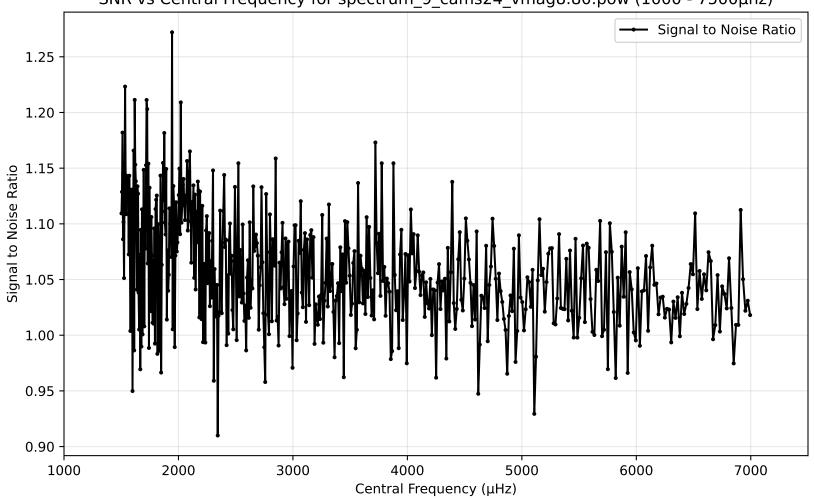
SNR vs Central Frequency for spectrum\_9\_cams24\_vmag8.72.pow (1000 - 7500µhz)



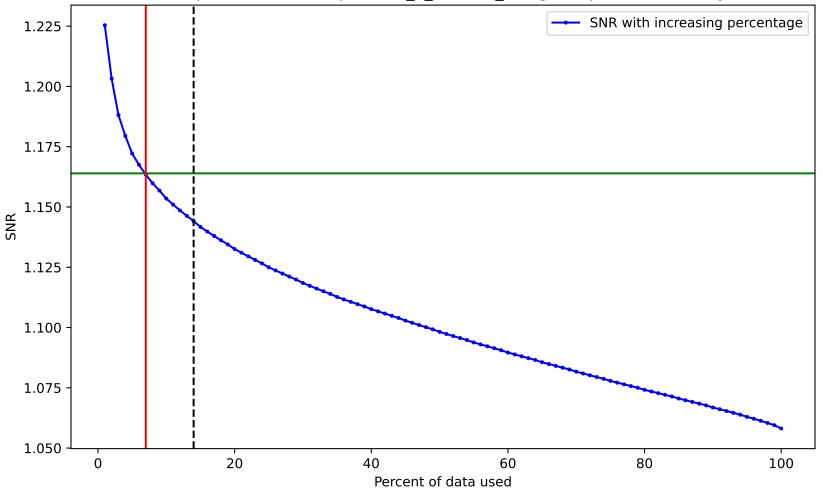
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.72.pow. Drowned by noise at 10.0%.



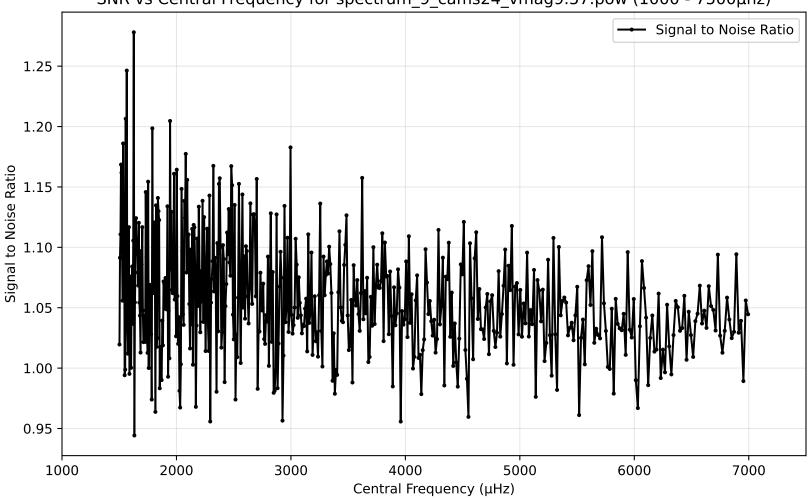
SNR vs Central Frequency for spectrum\_9\_cams24\_vmag8.80.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.80.pow. Drowned by noise at 7.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag9.57.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_9\_cams24\_vmag9.57.pow. Drowned by noise at 8.0%.

