SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.37.pow (1000 - 7500µhz) 1.25 -Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 01.1 02.1 1.00 0.95

4000

Central Frequency (µHz)

6000

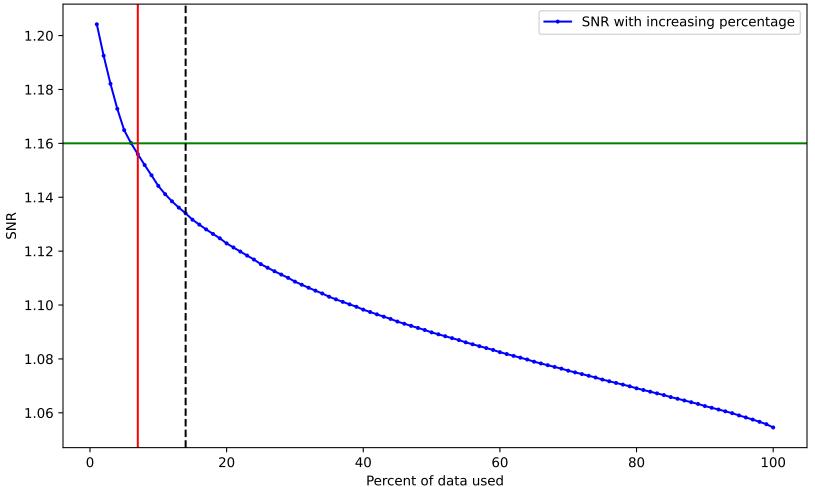
5000

7000

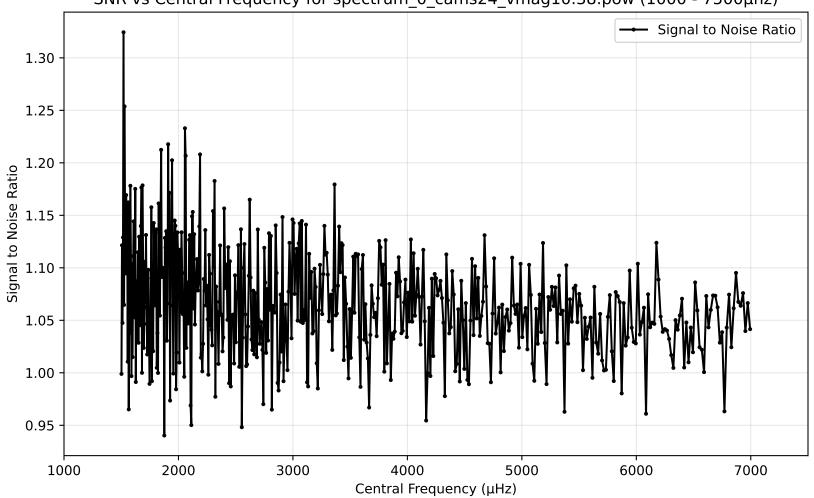
1000

2000

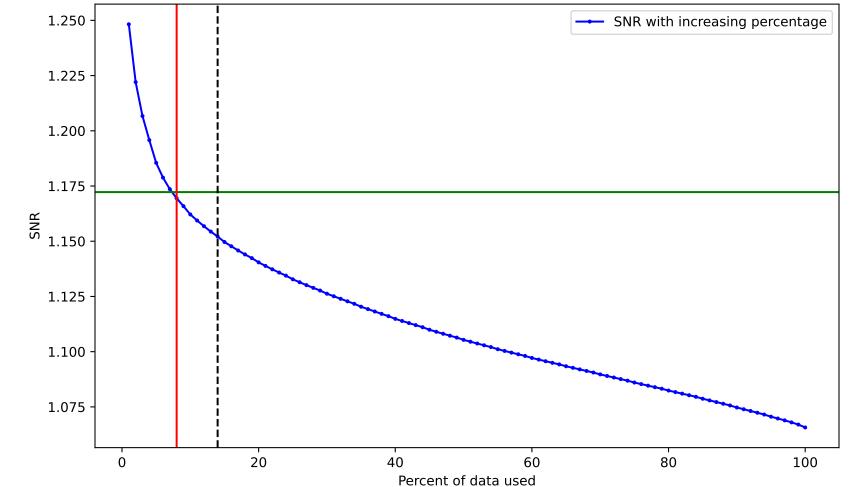
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.37.pow. Drowned by noise at 7.0%.



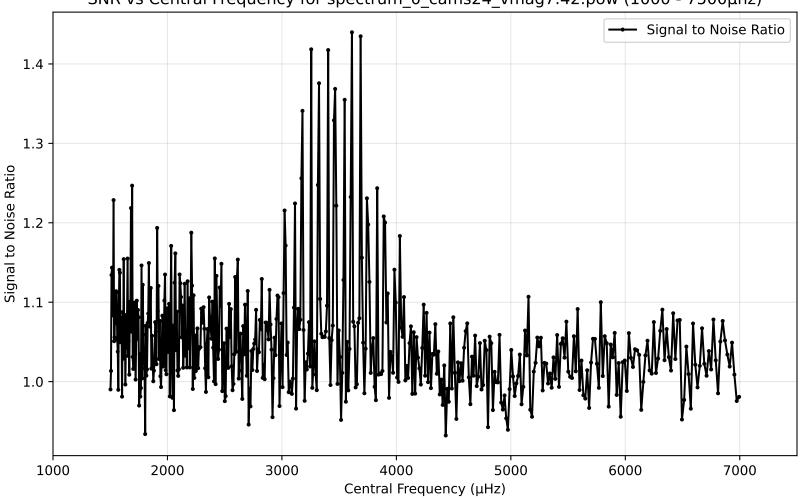
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag10.38.pow (1000 - 7500µhz)



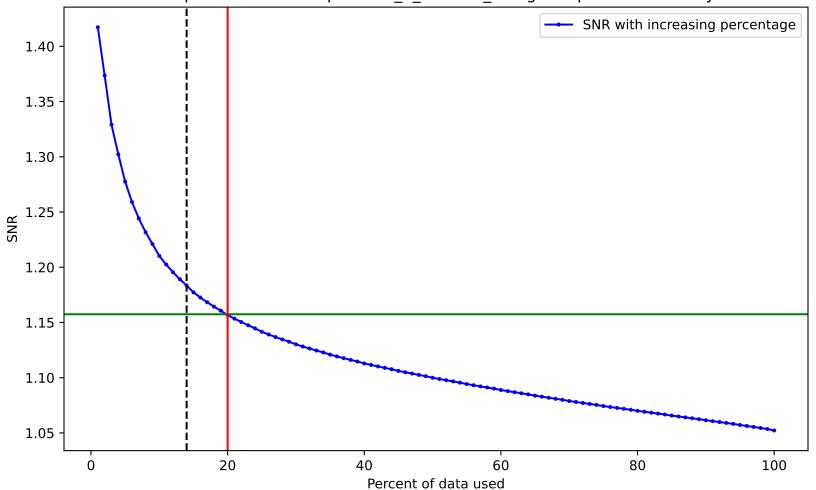
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag10.38.pow. Drowned by noise at 8.0%.



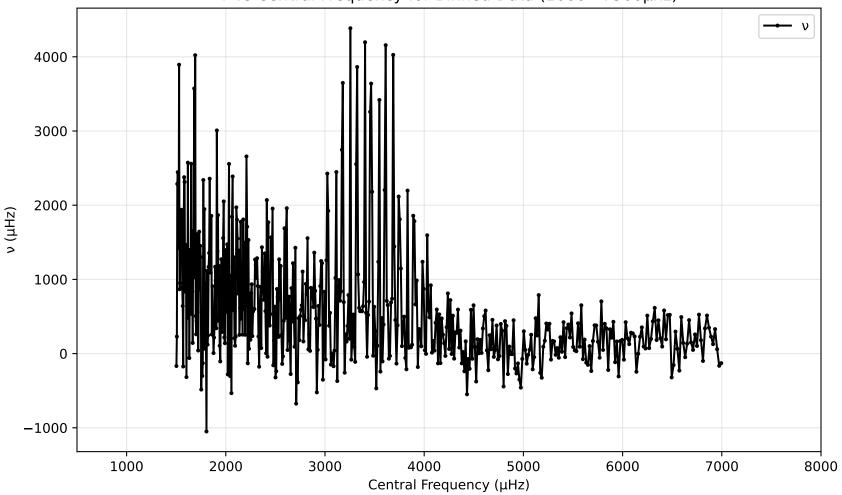
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag7.42.pow (1000 - 7500µhz)



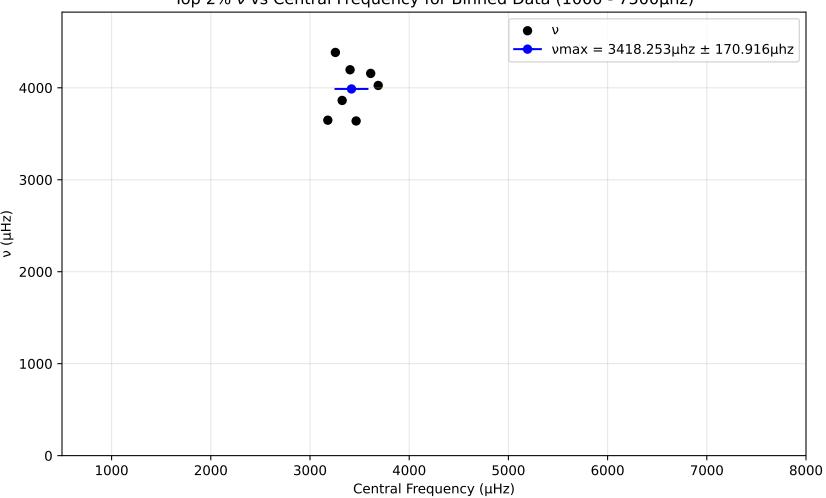
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag7.42.pow. Drowned by noise at 20.0%.



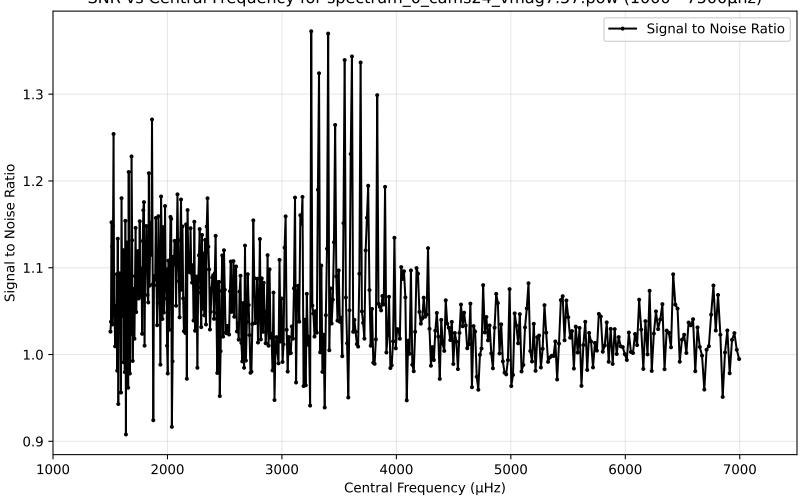
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



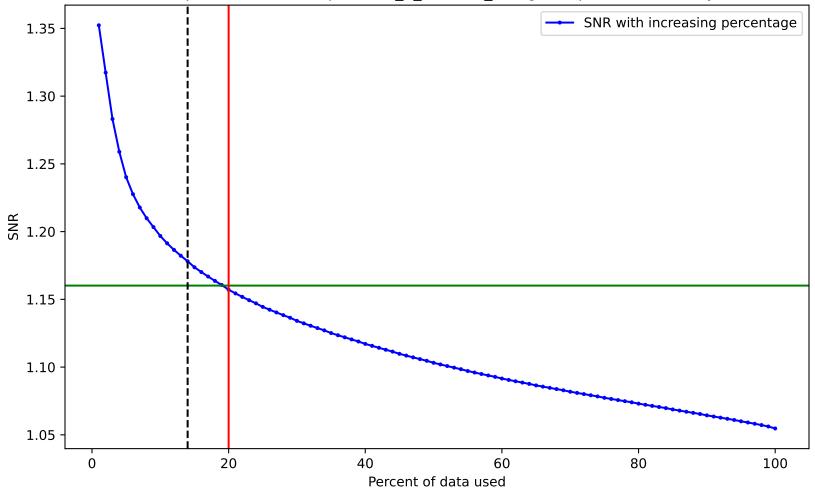
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



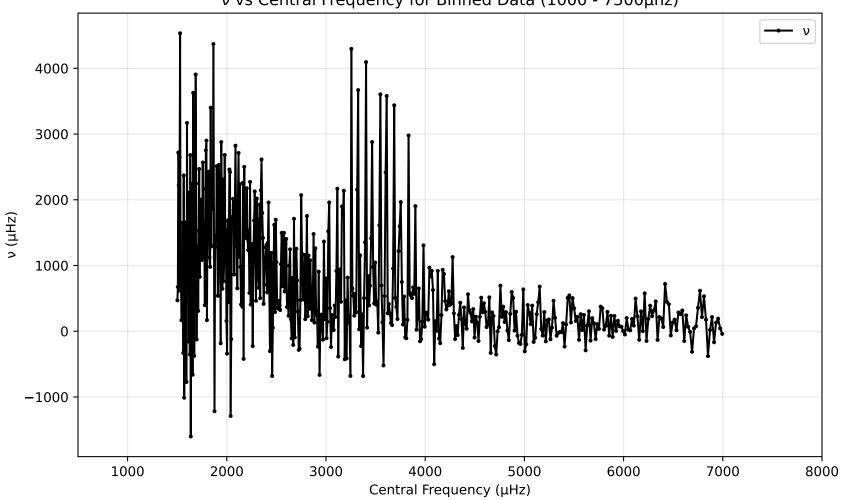
SNR vs Central Frequency for spectrum\_0\_cams24\_vmag7.57.pow (1000 - 7500µhz)



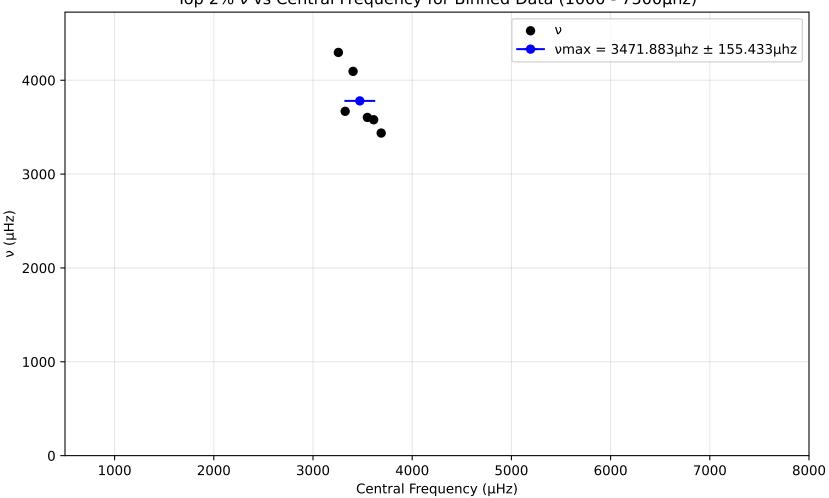
SNR variation for top n% of data for spectrum\_0\_cams24\_vmag7.57.pow. Drowned by noise at 20.0%.



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



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



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag8.86.pow (1000 - 7500µhz) Signal to Noise Ratio 1.25 1.20 1.15 1.10 -1.05 1.00 0.95

4000

Central Frequency (µHz)

5000

6000

7000

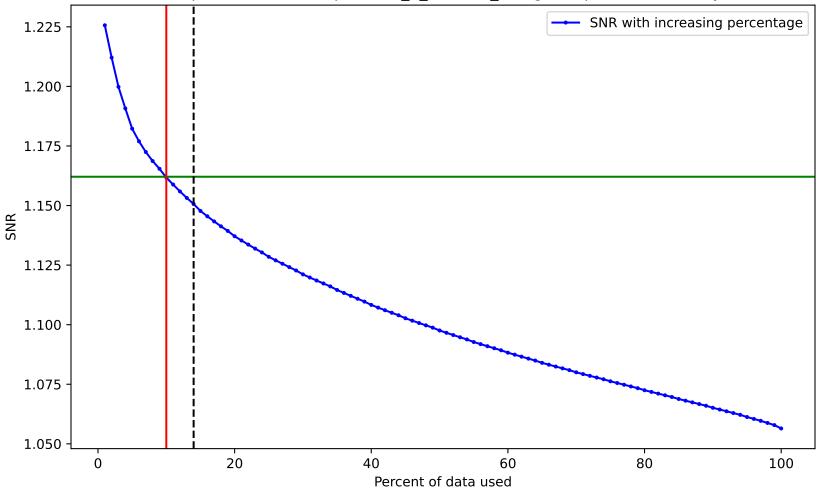
Signal to Noise Ratio

0.90

1000

2000

SNR variation for top n% of data for spectrum\_0\_cams24\_vmag8.86.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_0\_cams24\_vmag9.77.pow (1000 - 7500µhz) Signal to Noise Ratio Signal to Noise Ratio

4000

Central Frequency (µHz)

5000

6000

7000

1.20

1.15

1.00

0.95

0.90

1000

2000

SNR variation for top n% of data for spectrum\_0\_cams24\_vmag9.77.pow. Drowned by noise at 4.0%. 1.18 -SNR with increasing percentage 1.16 1.14 AN 1.12 -1.10 1.08 1.06

60

Percent of data used

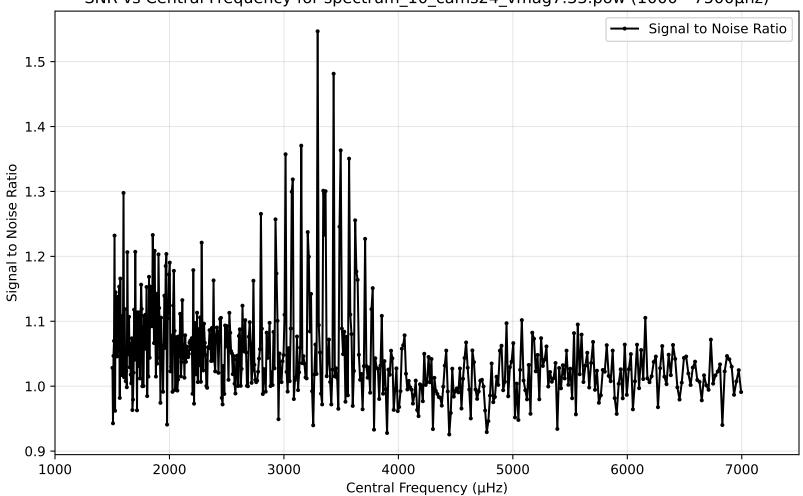
80

100

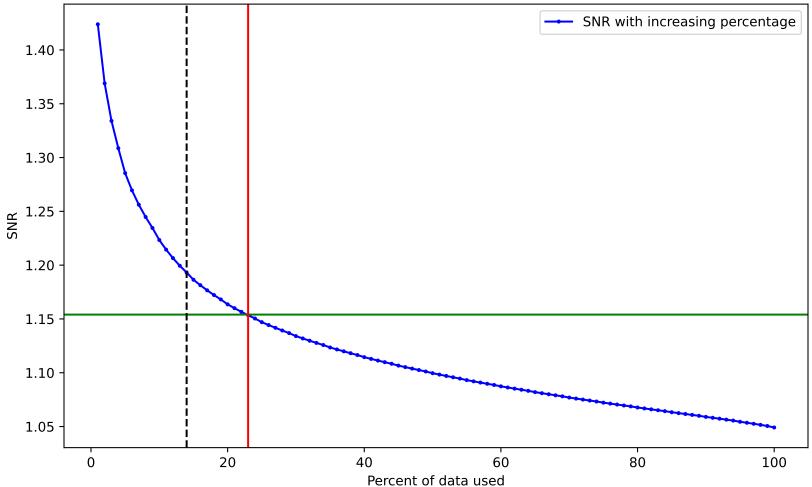
40

20

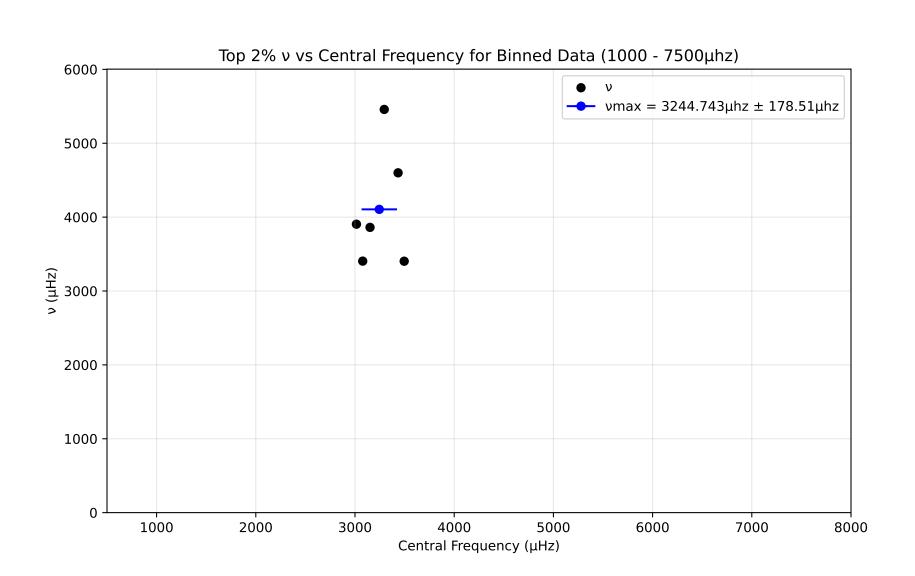
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag7.33.pow (1000 - 7500µhz)



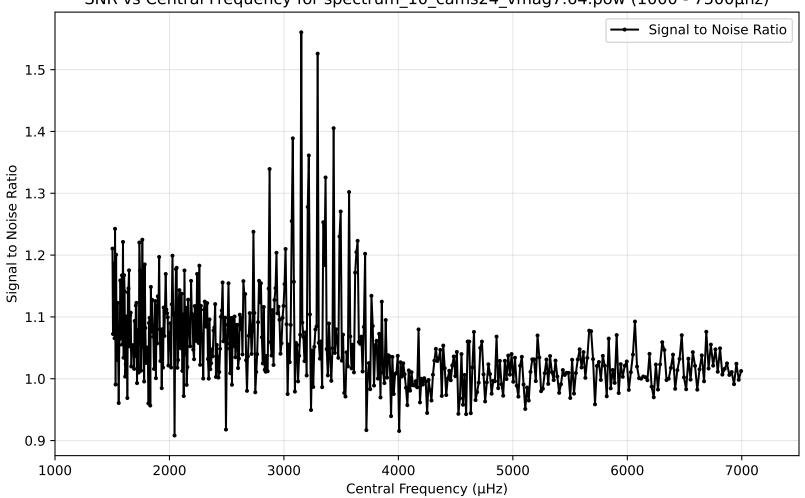
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag7.33.pow. Drowned by noise at 23.0%.



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

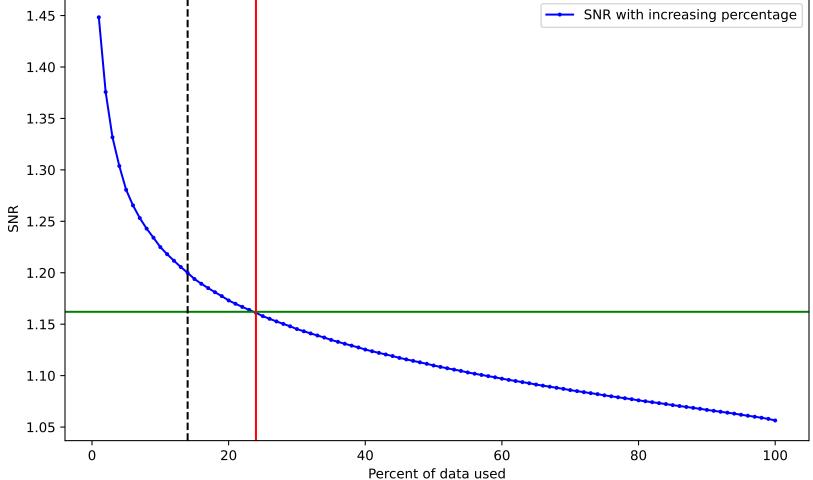


SNR vs Central Frequency for spectrum\_10\_cams24\_vmag7.64.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_10\_cams24\_vmag7.64.pow. Drowned by noise at 24.0%.

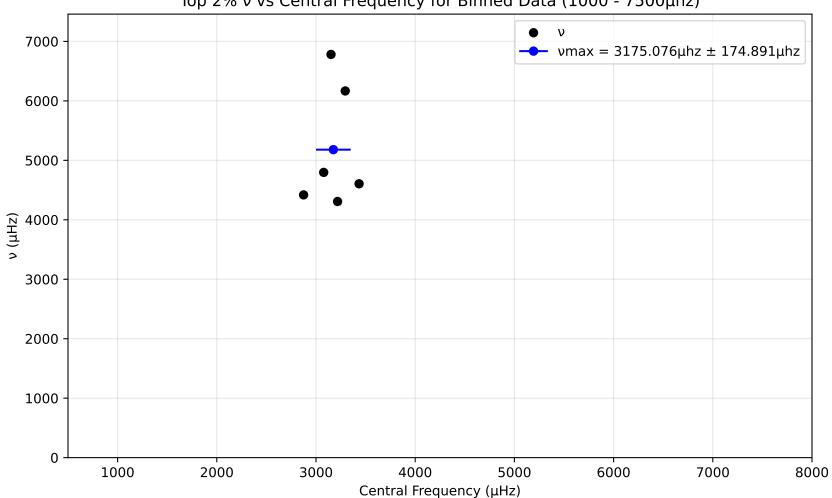
1.45 - SNR with increasing percentage

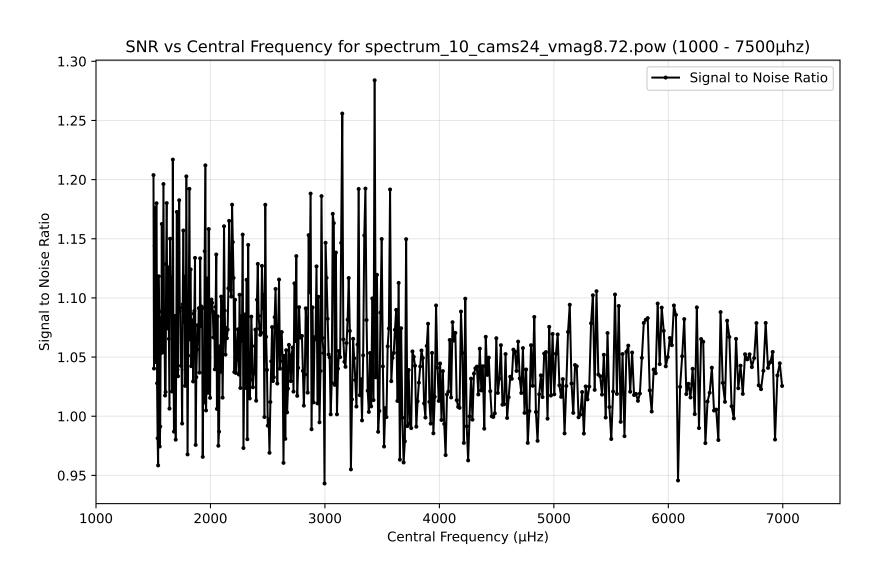


ν vs Central Frequency for Binned Data (1000 - 7500μhz) ν (μHz) 

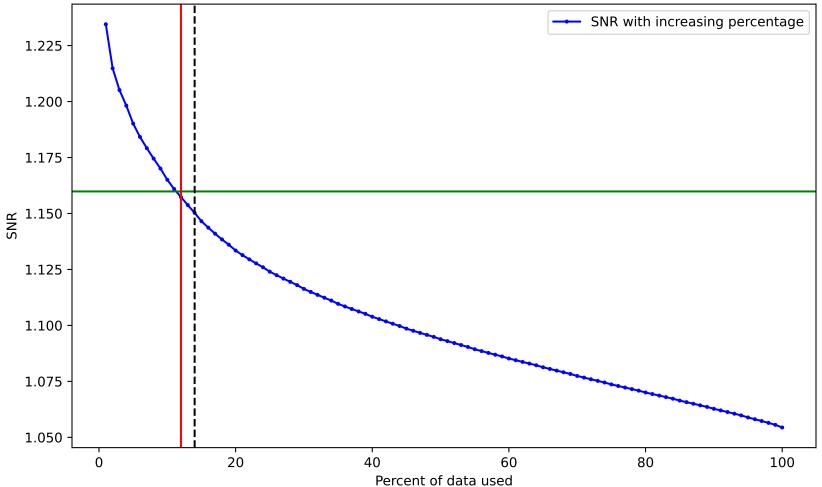
Central Frequency (µHz)

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

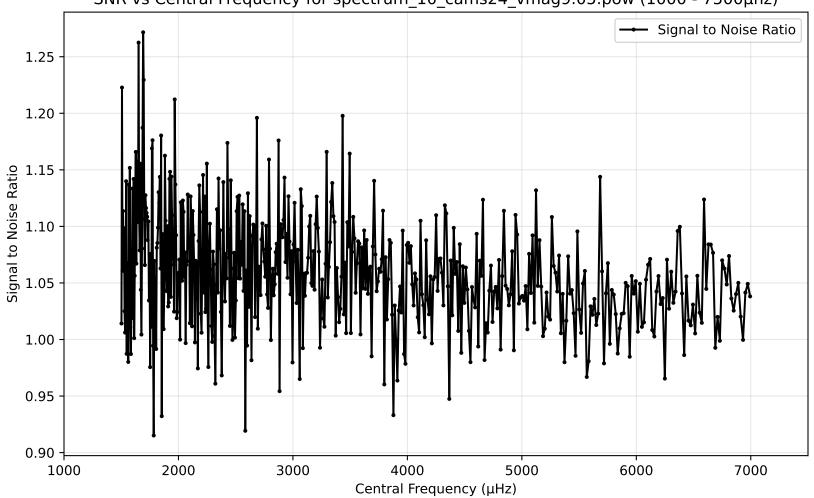




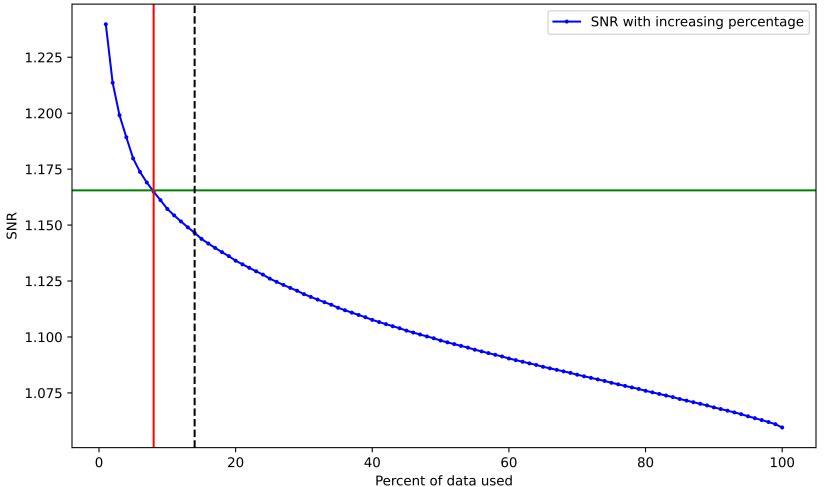
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag8.72.pow. Drowned by noise at 12.0%.



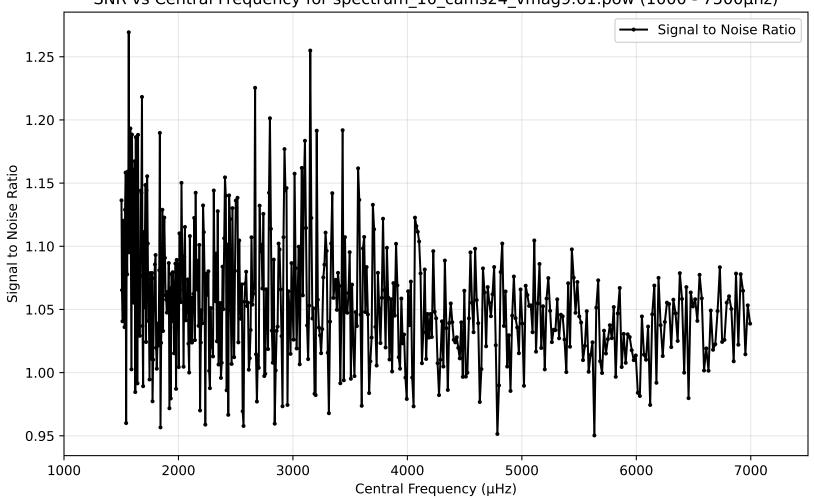
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.05.pow (1000 - 7500µhz)



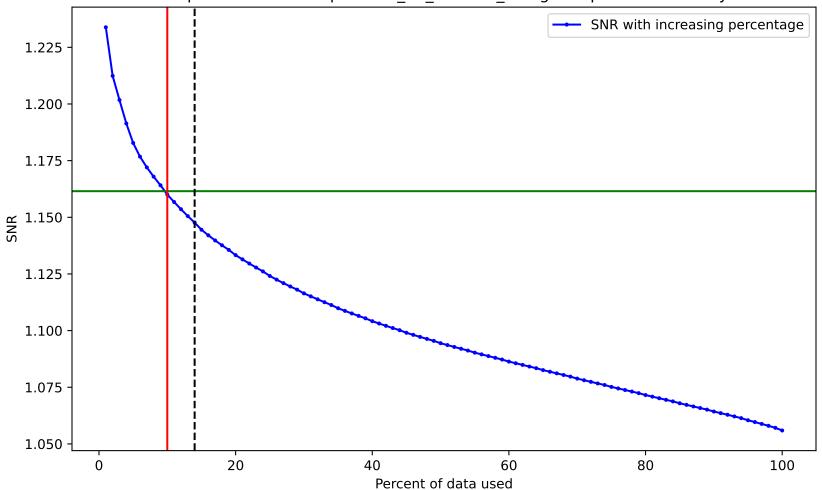
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.05.pow. Drowned by noise at 8.0%.



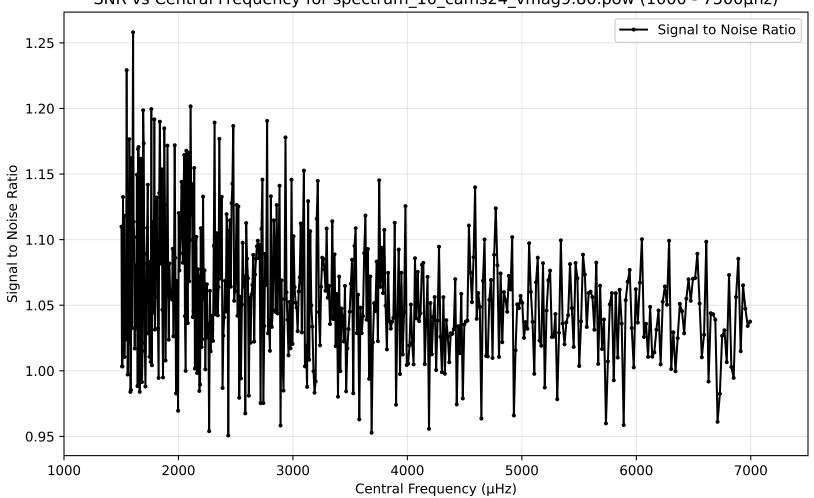
SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.61.pow (1000 - 7500µhz)



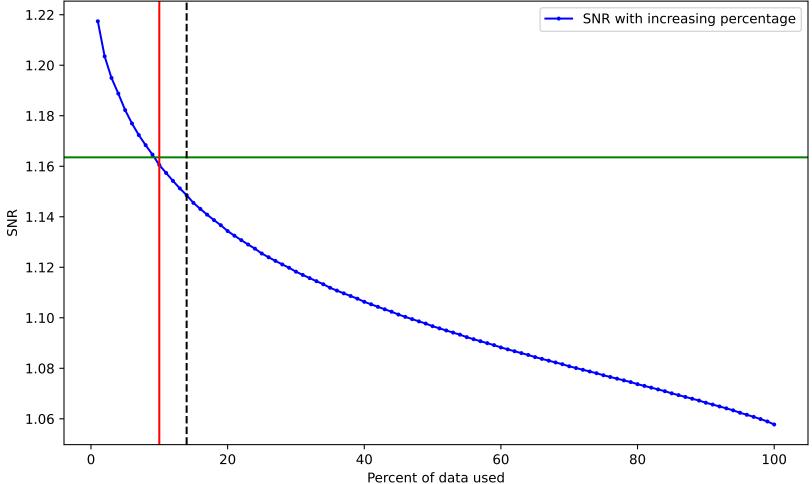
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.61.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_10\_cams24\_vmag9.80.pow (1000 - 7500µhz)



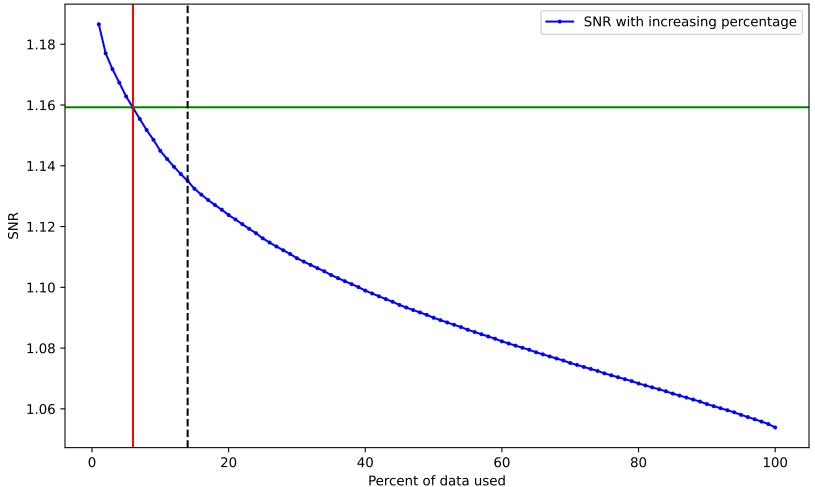
SNR variation for top n% of data for spectrum\_10\_cams24\_vmag9.80.pow. Drowned by noise at 10.0%.



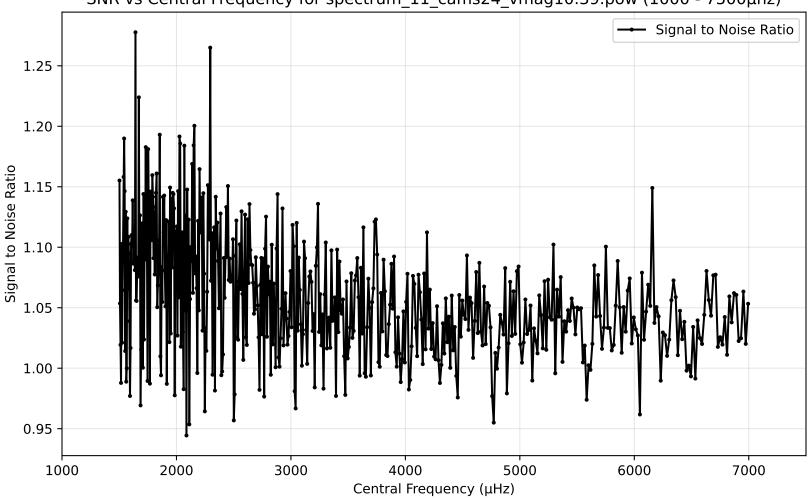
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag10.01.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

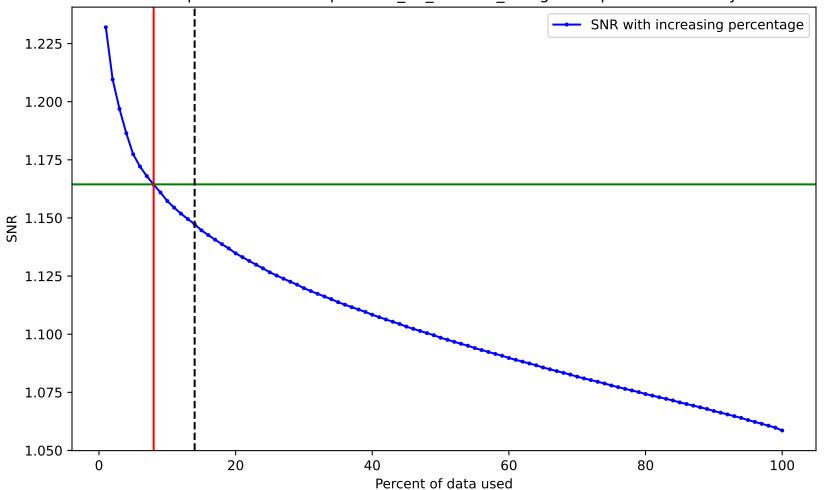
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag10.01.pow. Drowned by noise at 6.0%.



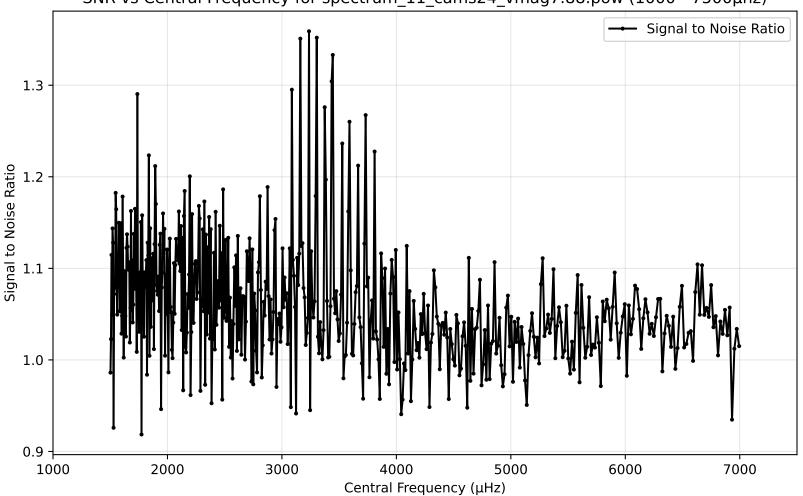
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag10.39.pow (1000 - 7500µhz)



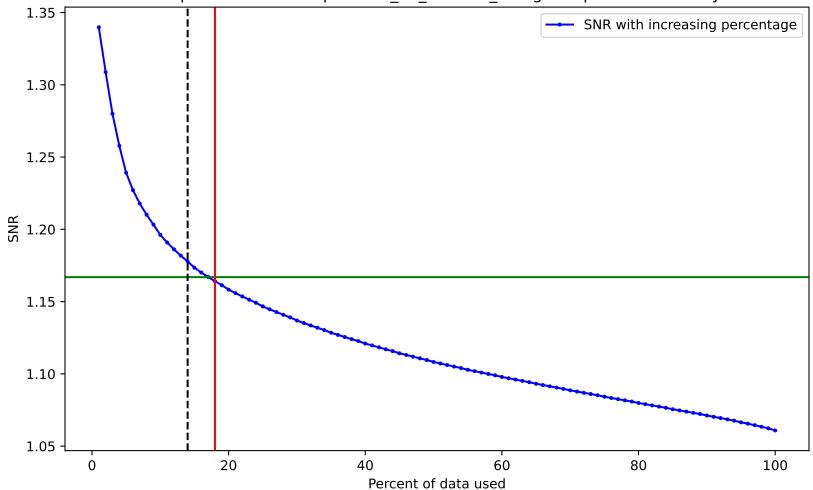
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag10.39.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_11\_cams24\_vmag7.88.pow (1000 - 7500µhz)



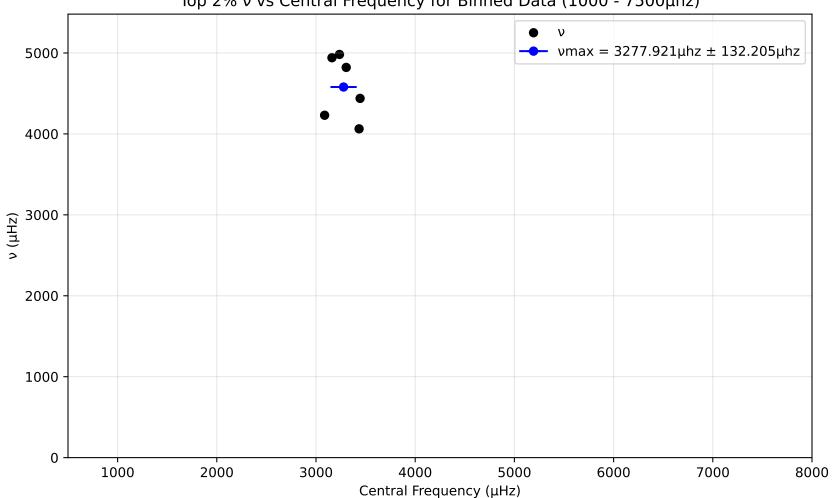
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag7.88.pow. Drowned by noise at 18.0%.



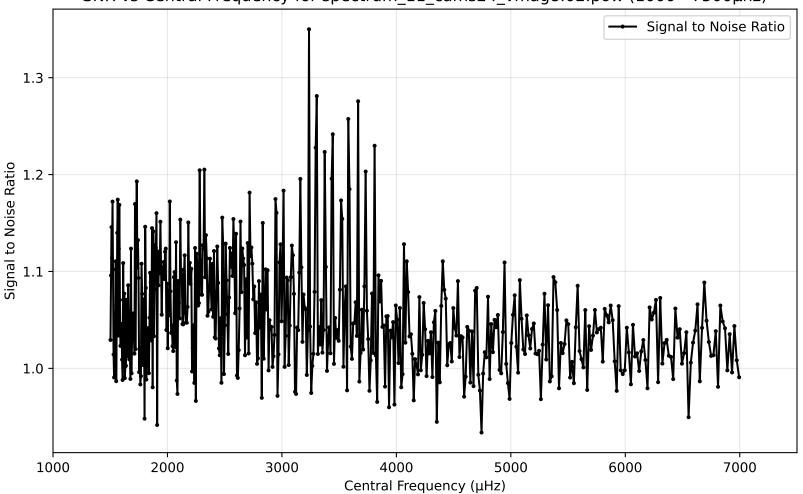
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000

Central Frequency (µHz)

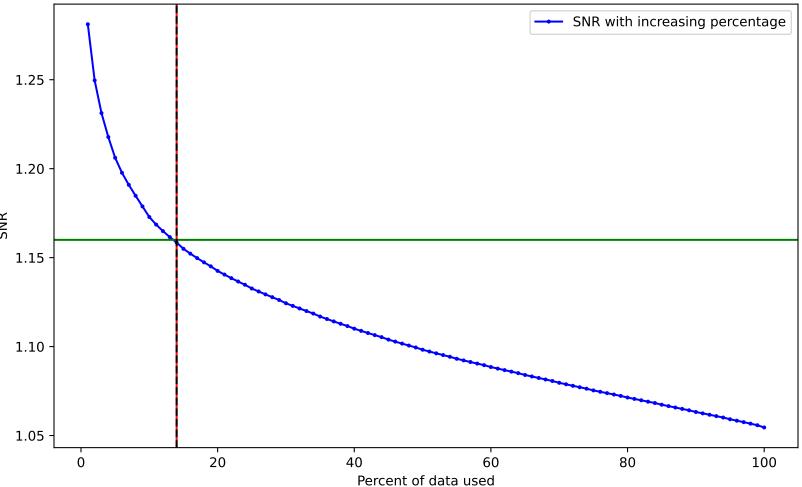
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



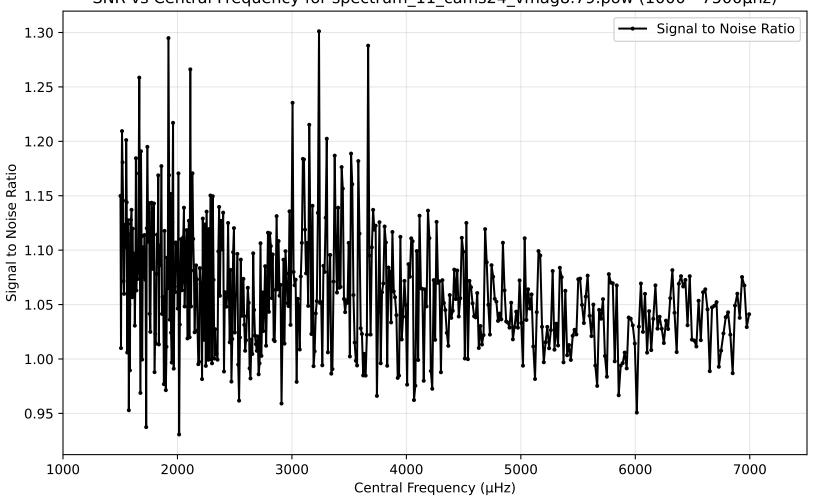
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag8.02.pow (1000 - 7500µhz)



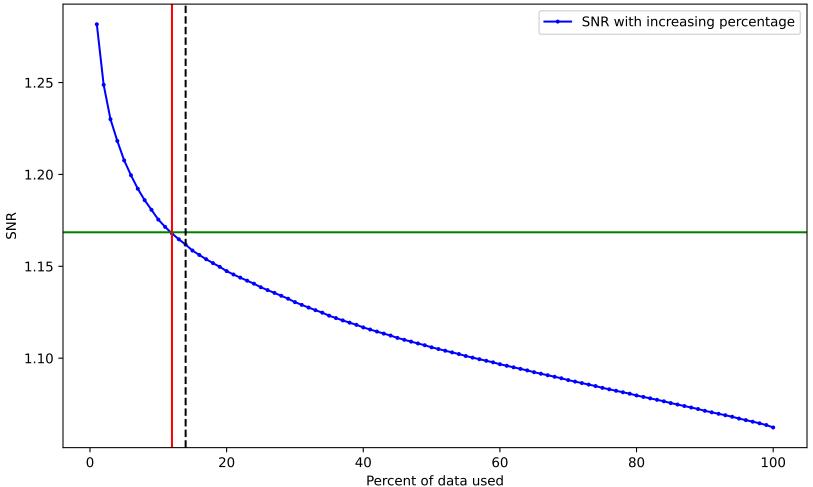
SNR variation for top n% of data for spectrum\_11\_cams24\_vmag8.02.pow. Drowned by noise at 14.0%.



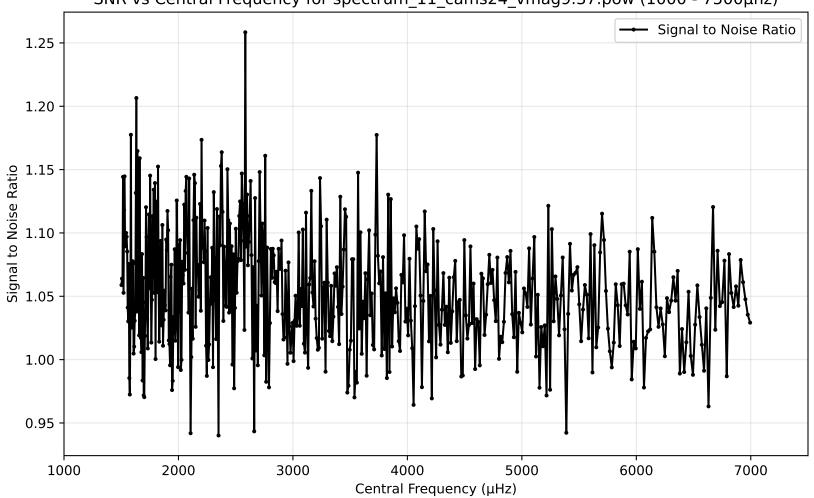
SNR vs Central Frequency for spectrum\_11\_cams24\_vmag8.79.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_11\_cams24\_vmag8.79.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_11\_cams24\_vmag9.37.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_11\_cams24\_vmag9.37.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

60

Percent of data used

80

100

40

20

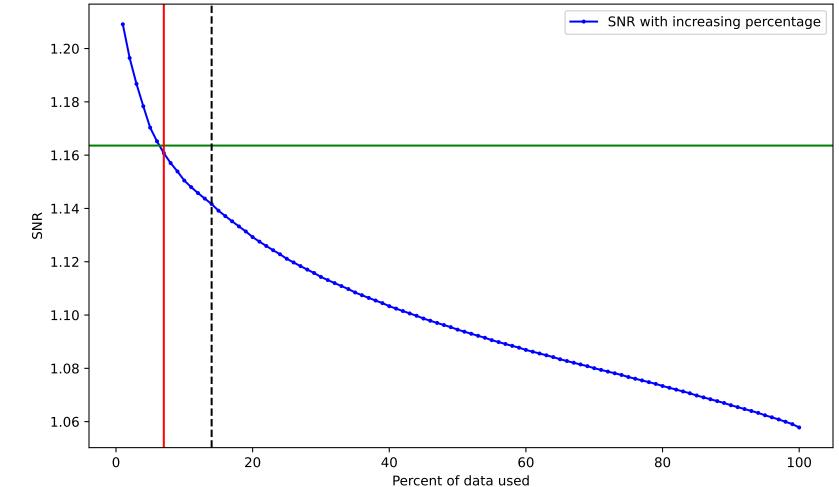
SNR

0

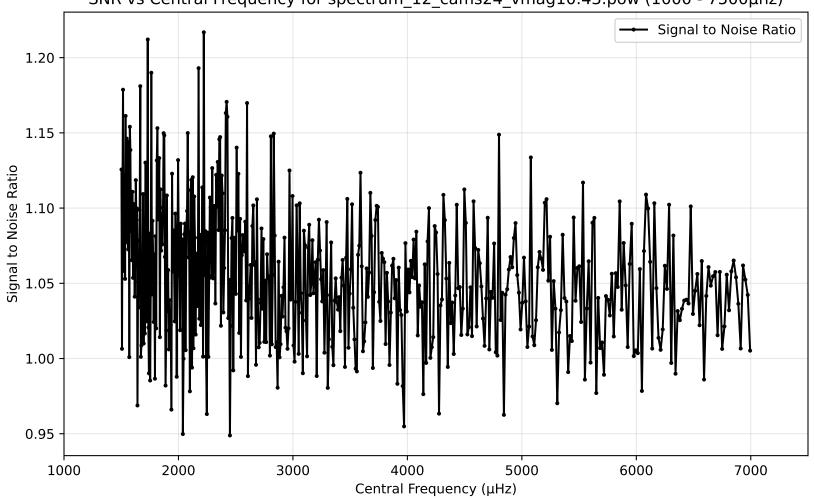
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag10.04.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

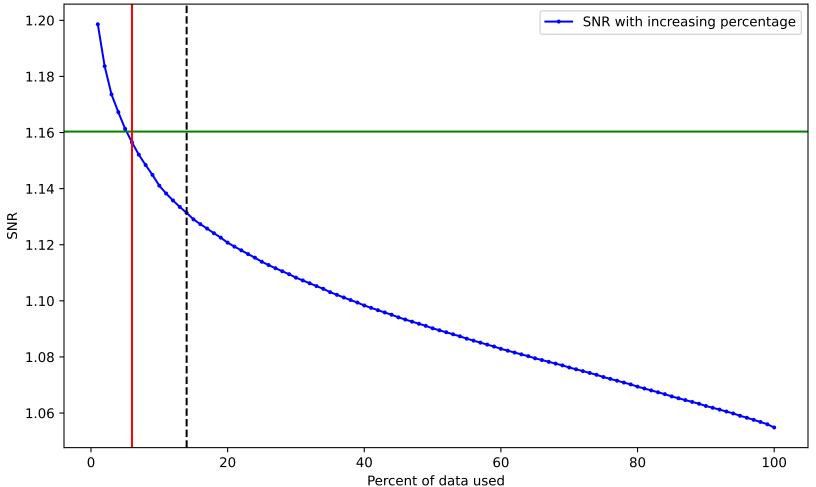
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag10.04.pow. Drowned by noise at 7.0%.



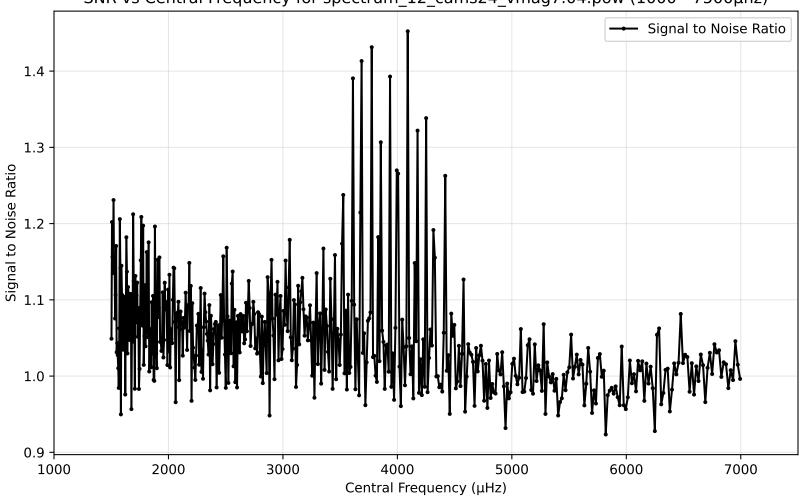
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag10.43.pow (1000 - 7500µhz)



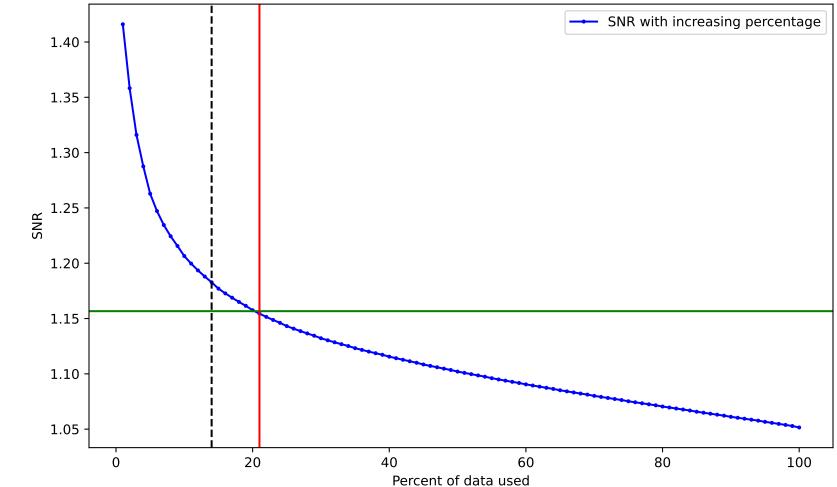
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag10.43.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_12\_cams24\_vmag7.04.pow (1000 - 7500µhz)



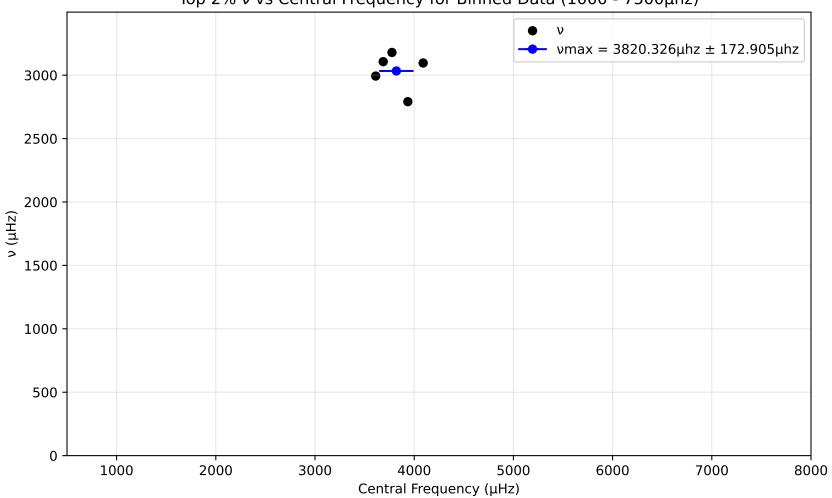
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag7.04.pow. Drowned by noise at 21.0%.



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

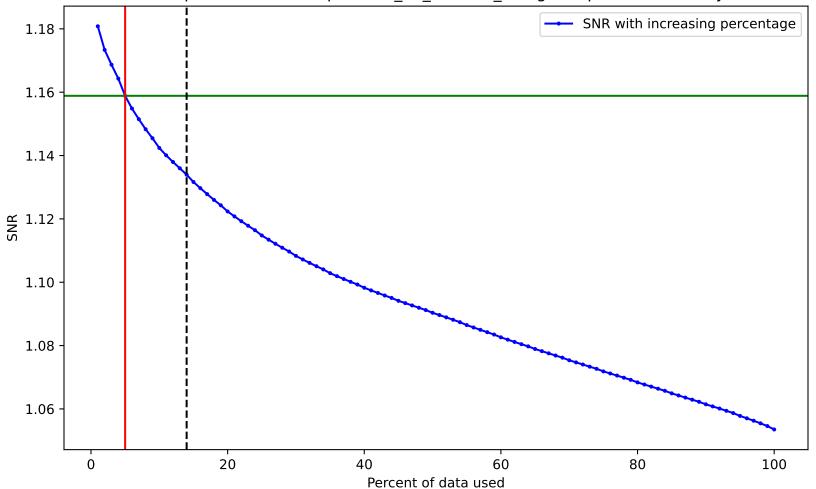
Central Frequency (µHz)

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

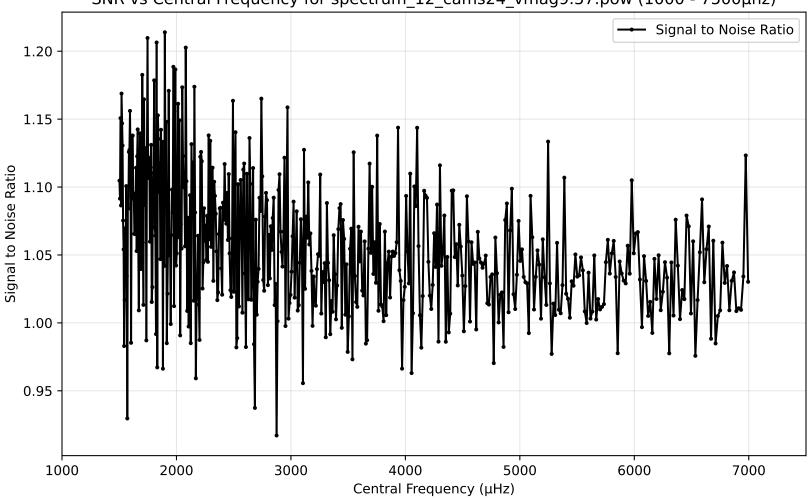


SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.36.pow (1000 - 7500µhz) 1.20 Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

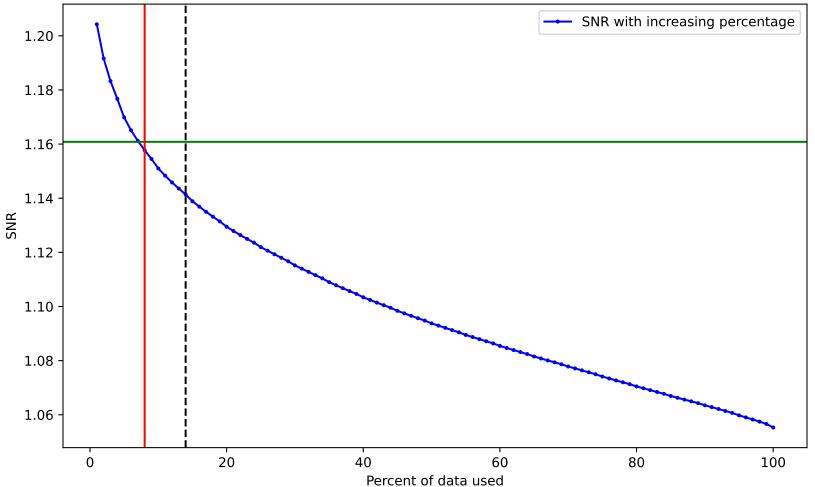
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.36.pow. Drowned by noise at 5.0%.



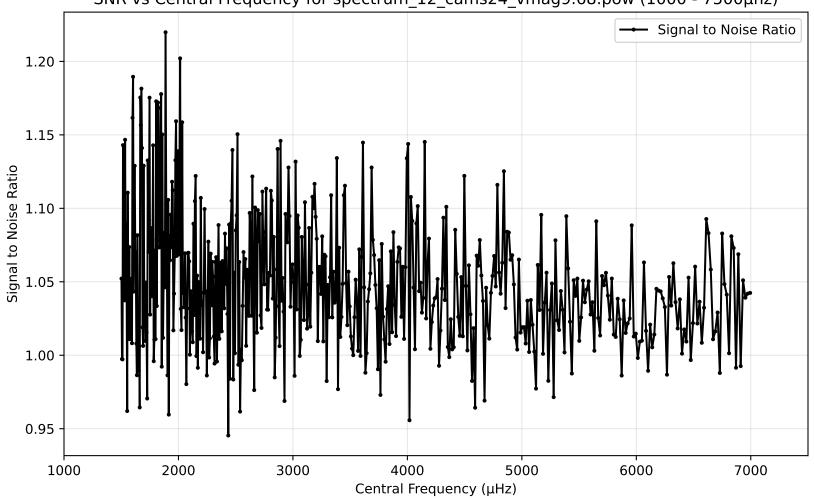
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.57.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.57.pow. Drowned by noise at 8.0%.



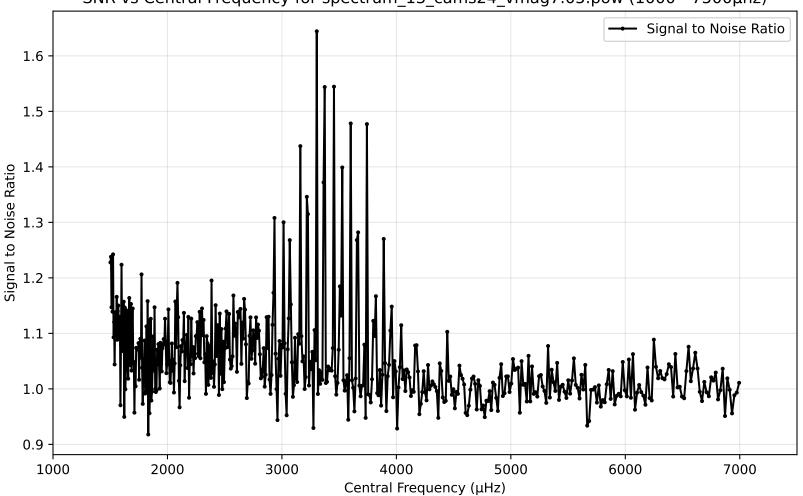
SNR vs Central Frequency for spectrum\_12\_cams24\_vmag9.68.pow (1000 - 7500µhz)



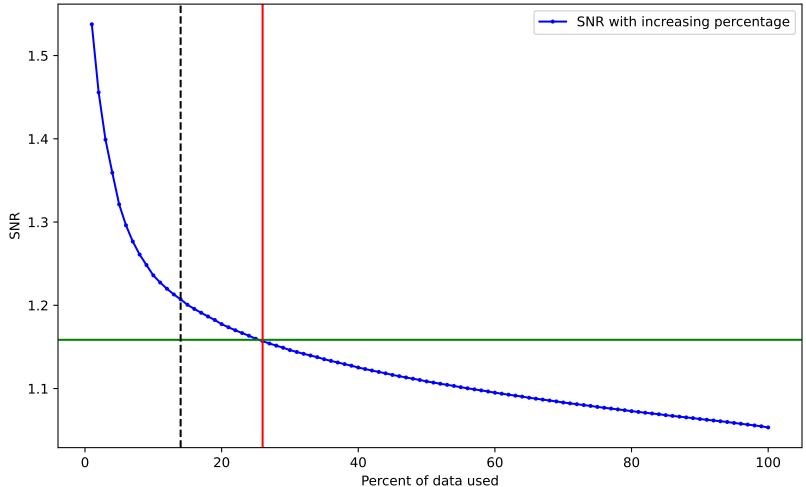
SNR variation for top n% of data for spectrum\_12\_cams24\_vmag9.68.pow. Drowned by noise at 7.0%. 1.20 -SNR with increasing percentage 1.18 1.16 -1.14 W 1.12 1.10 1.08 1.06 0 20 40 60 80 100

Percent of data used

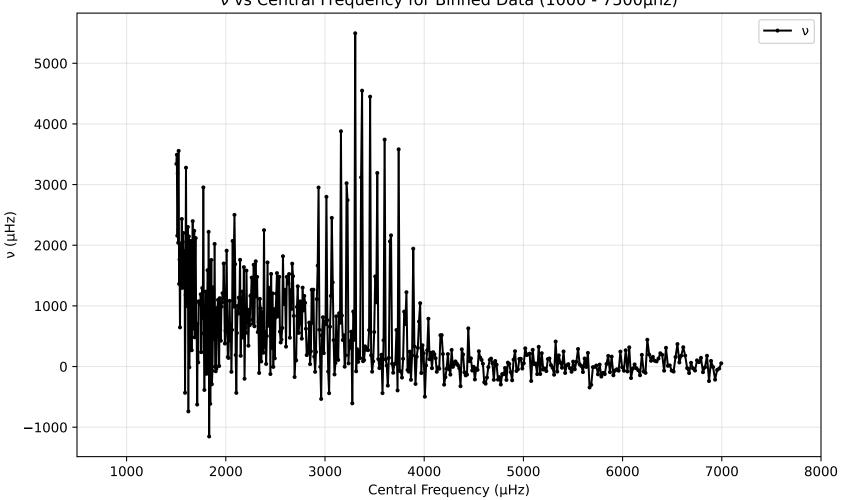
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.05.pow (1000 - 7500µhz)

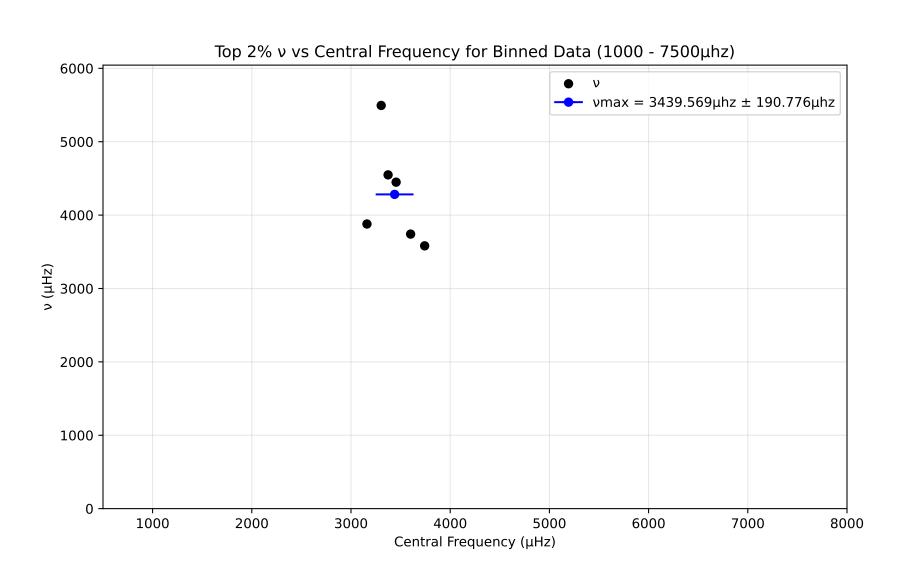


SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.05.pow. Drowned by noise at 26.0%.

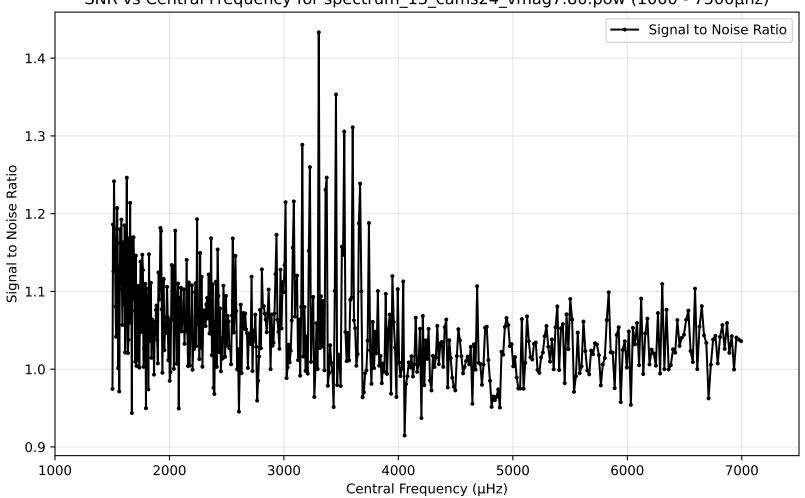


ν vs Central Frequency for Binned Data (1000 - 7500μhz)





SNR vs Central Frequency for spectrum\_13\_cams24\_vmag7.80.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_13\_cams24\_vmag7.80.pow. Drowned by noise at 19.0%. 1.35 -SNR with increasing percentage 1.30 1.25 ¥ 1.20 -1.15 1.10 -1.05

40

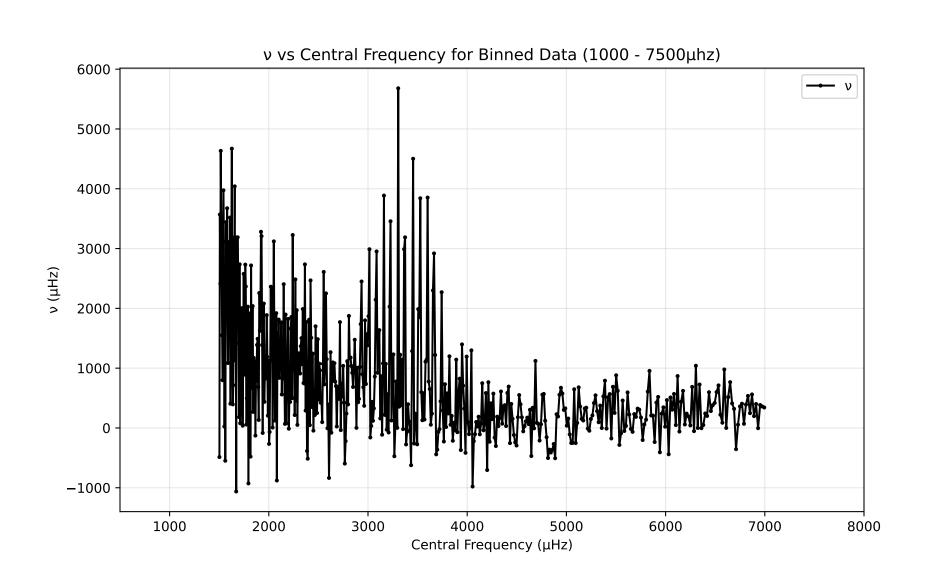
60

Percent of data used

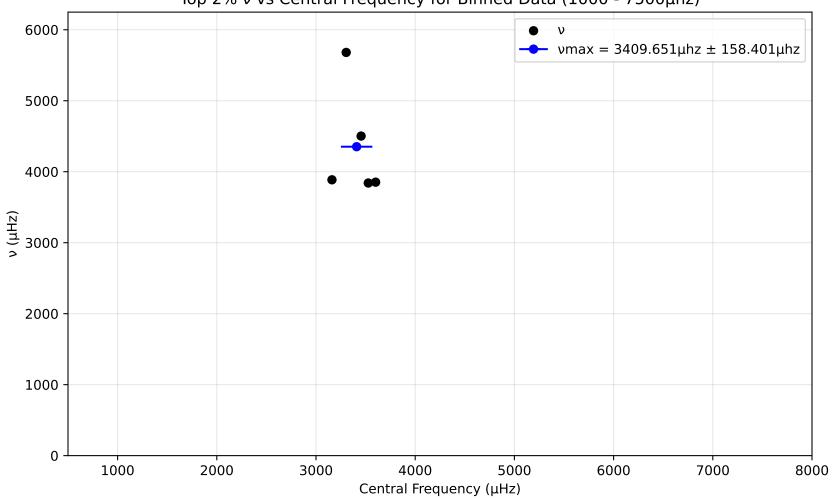
80

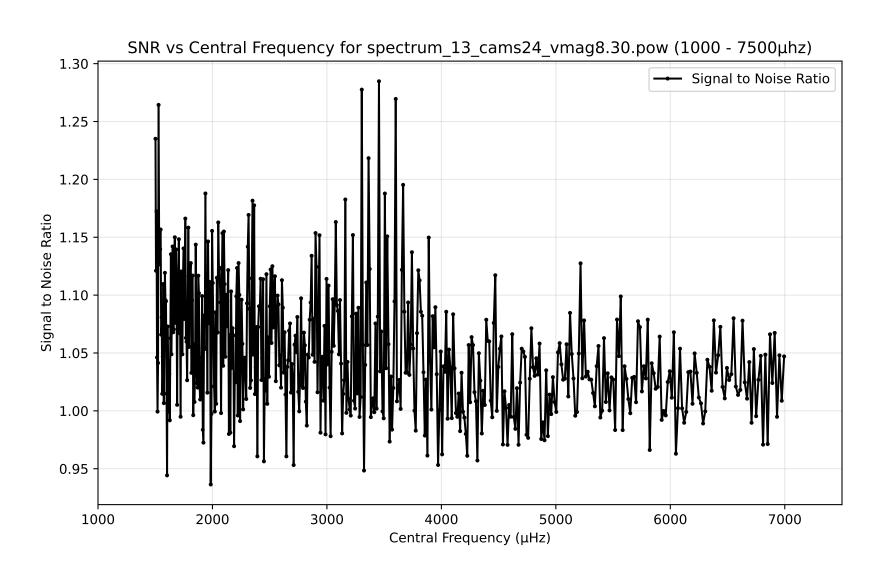
100

20

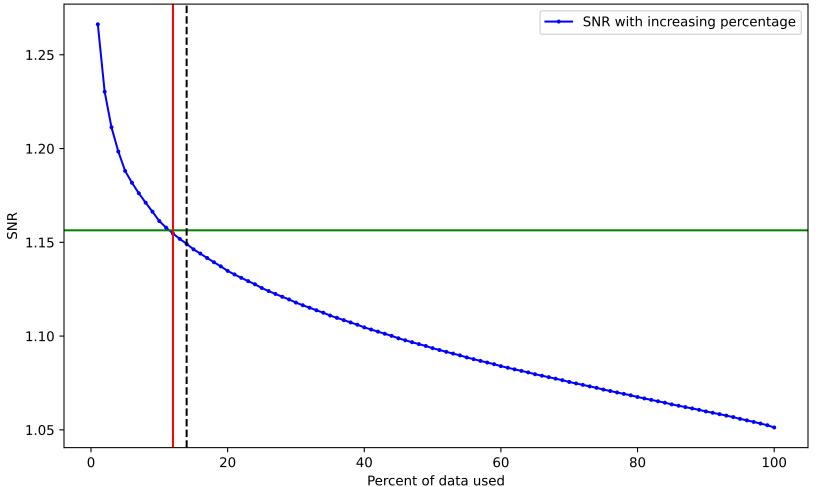


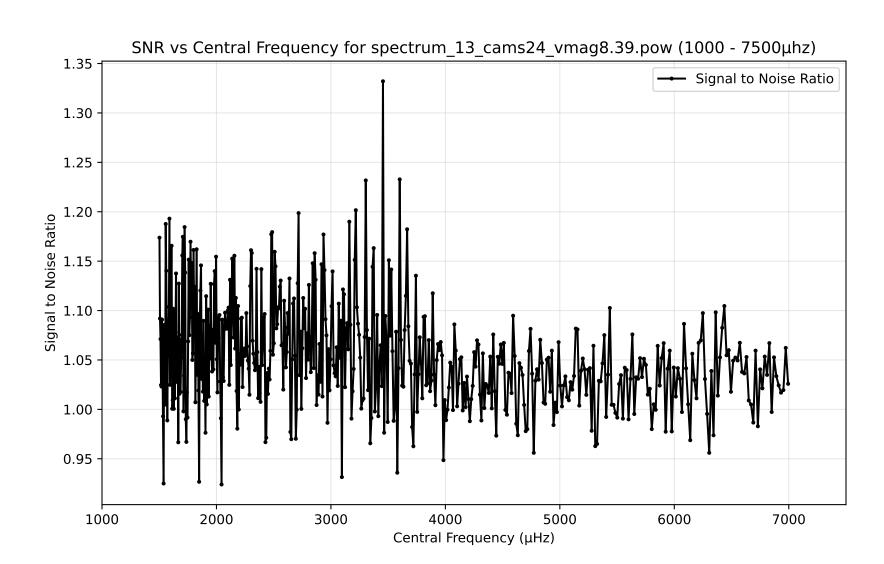
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



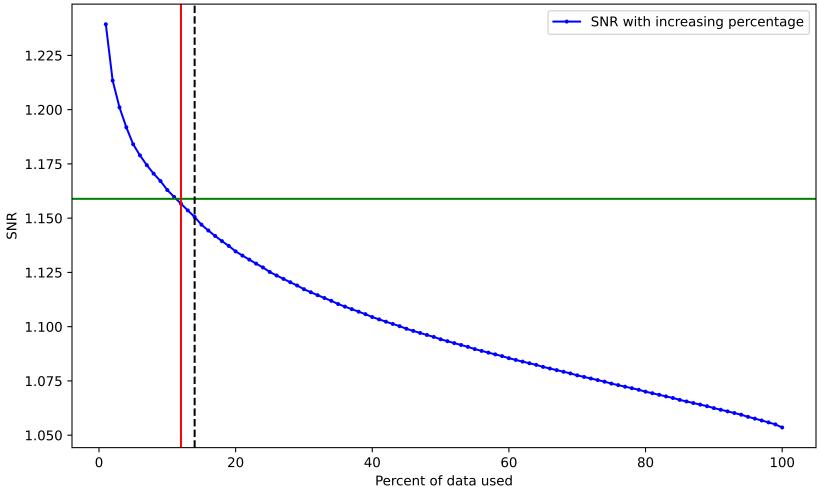


SNR variation for top n% of data for spectrum\_13\_cams24\_vmag8.30.pow. Drowned by noise at 12.0%.

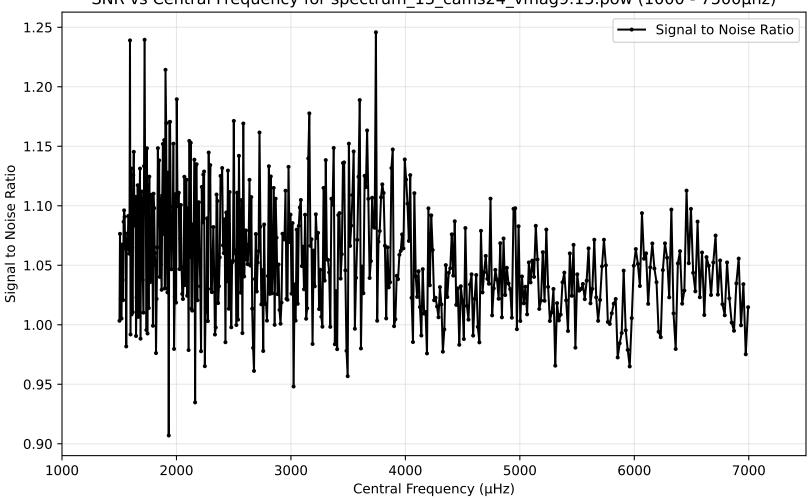




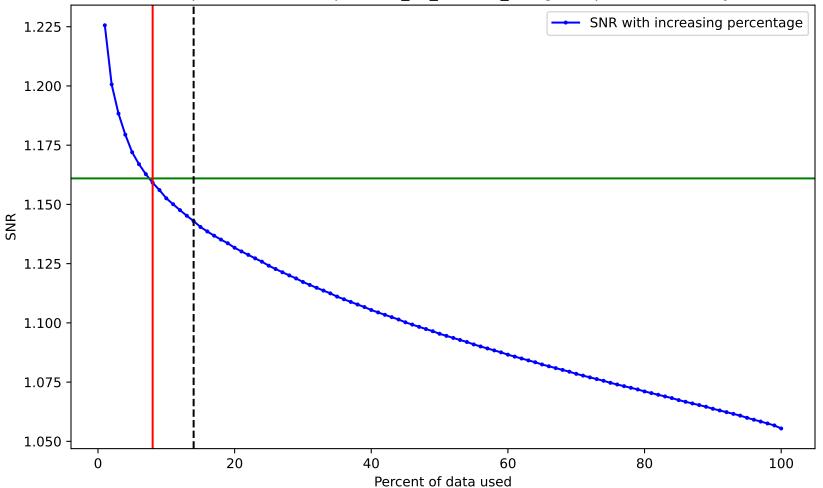
SNR variation for top n% of data for spectrum\_13\_cams24\_vmag8.39.pow. Drowned by noise at 12.0%.



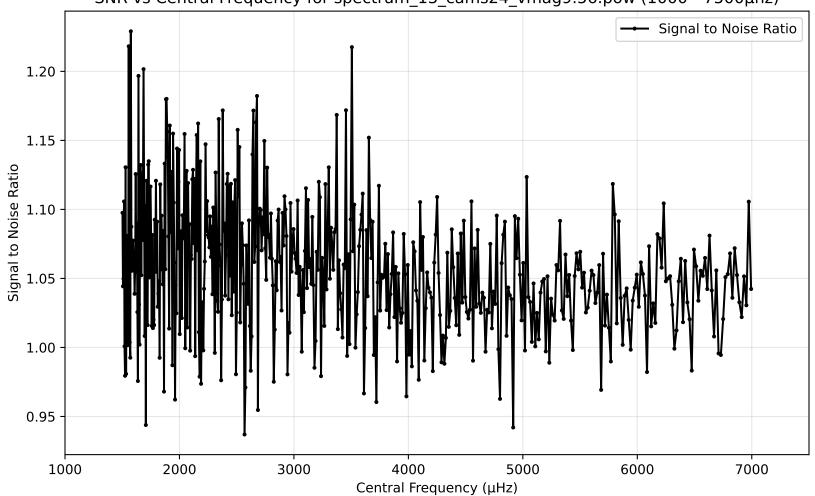
SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.15.pow (1000 - 7500µhz)

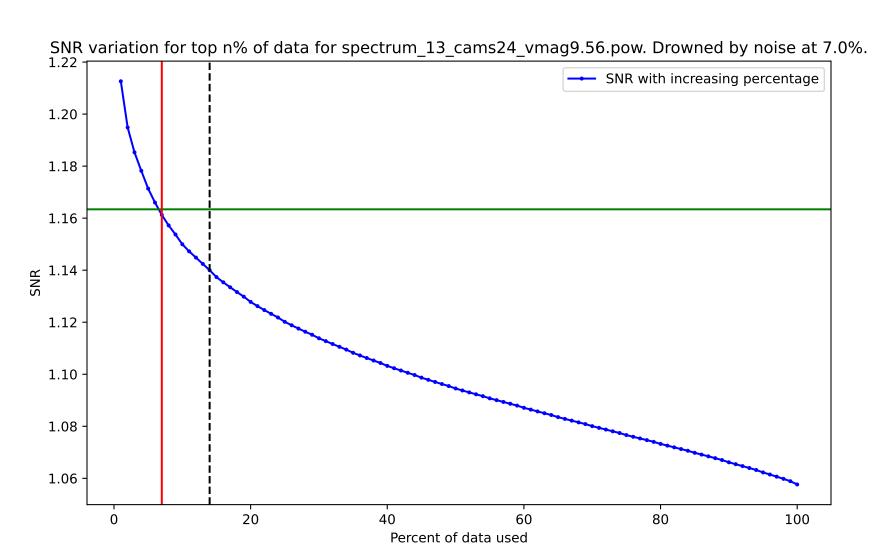


SNR variation for top n% of data for spectrum\_13\_cams24\_vmag9.15.pow. Drowned by noise at 8.0%.

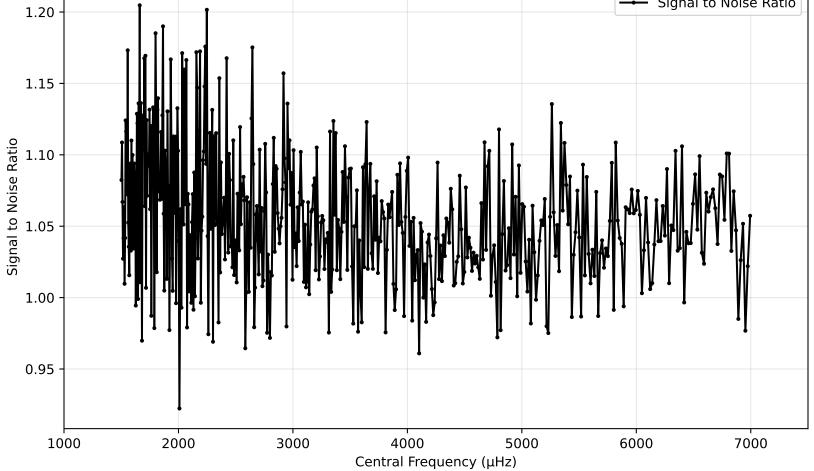


SNR vs Central Frequency for spectrum\_13\_cams24\_vmag9.56.pow (1000 - 7500µhz)

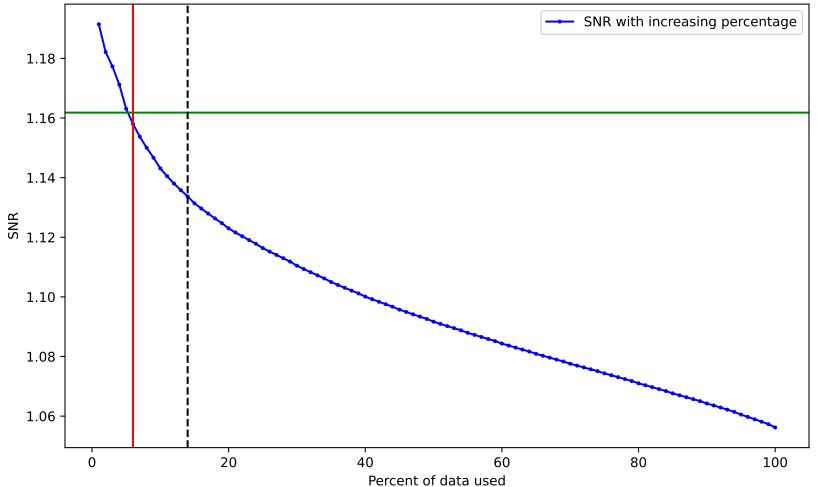




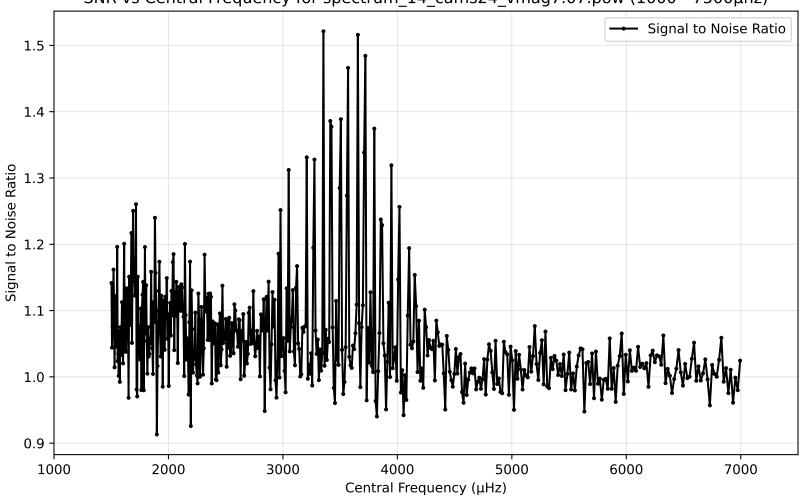
SNR vs Central Frequency for spectrum\_14\_cams24\_vmag10.25.pow (1000 - 7500µhz) Signal to Noise Ratio



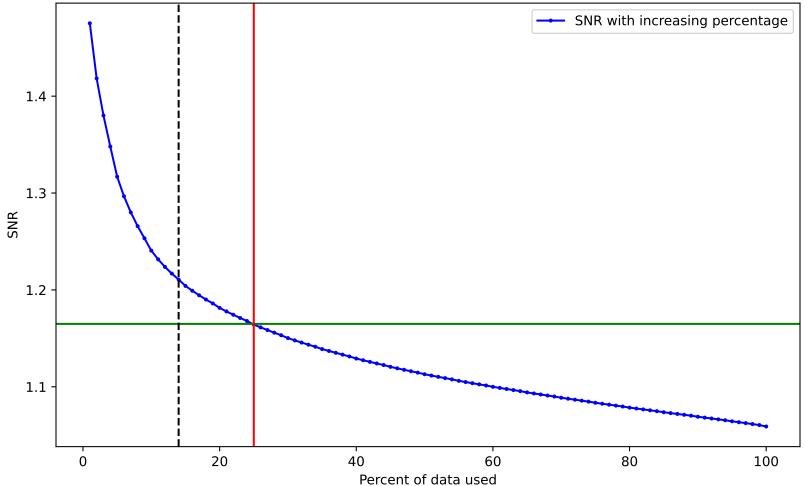
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag10.25.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.07.pow (1000 - 7500µhz)



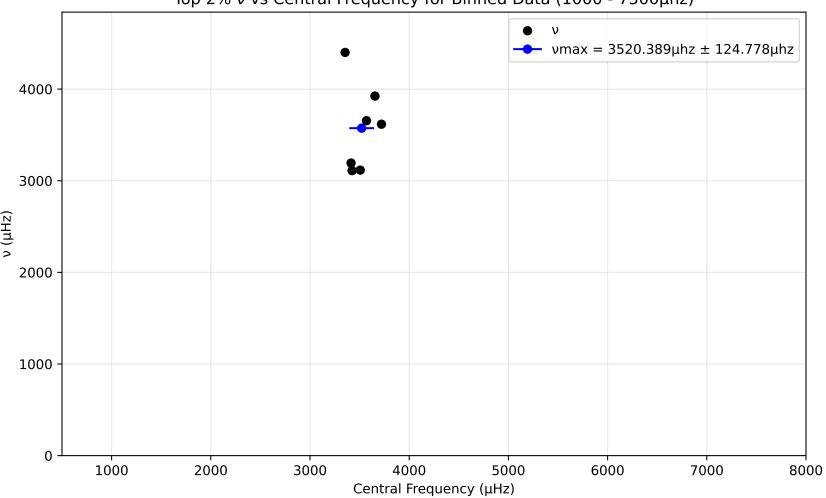
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.07.pow. Drowned by noise at 25.0%.



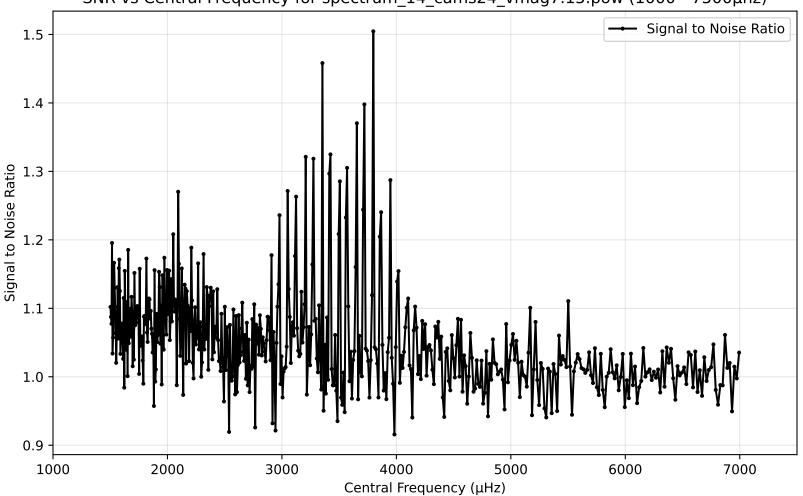
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

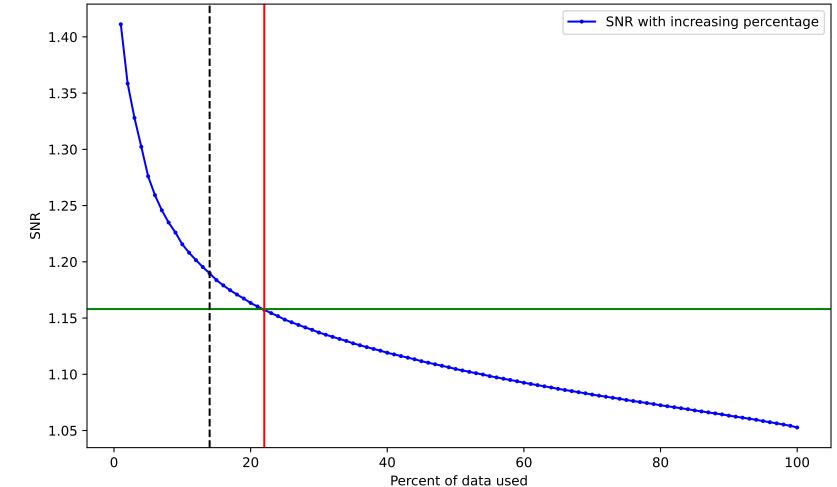
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.15.pow (1000 - 7500µhz)

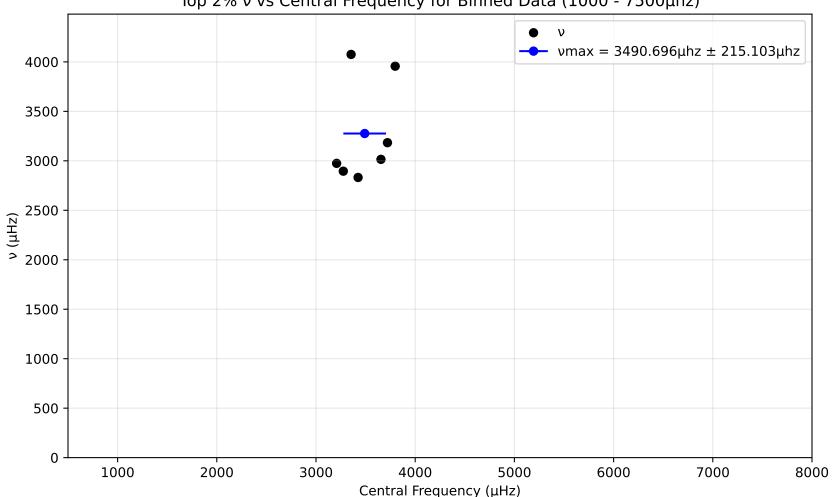


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.15.pow. Drowned by noise at 22.0%.

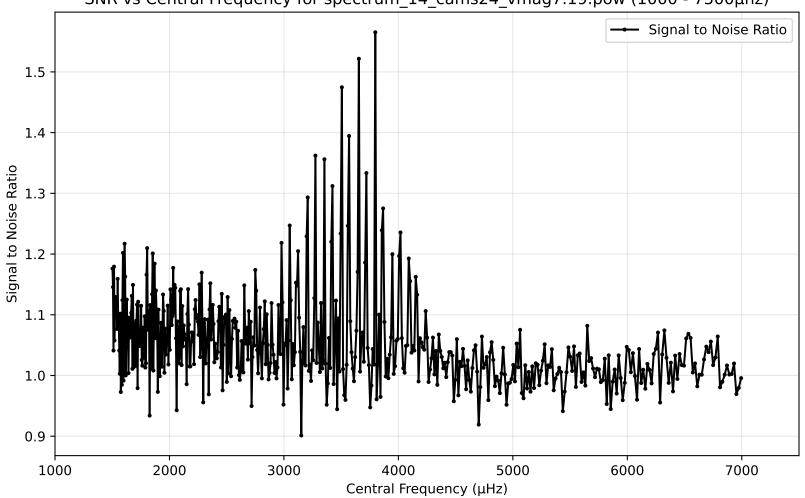


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

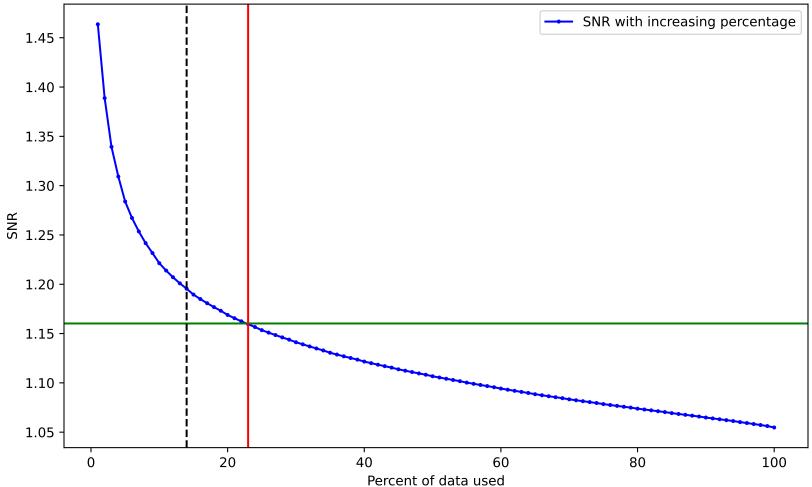
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

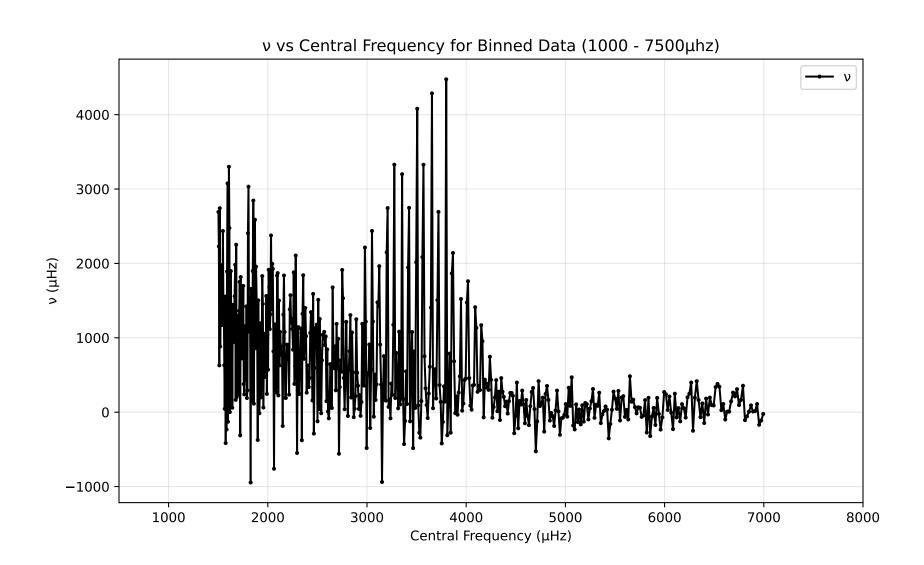


SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.19.pow (1000 - 7500µhz)

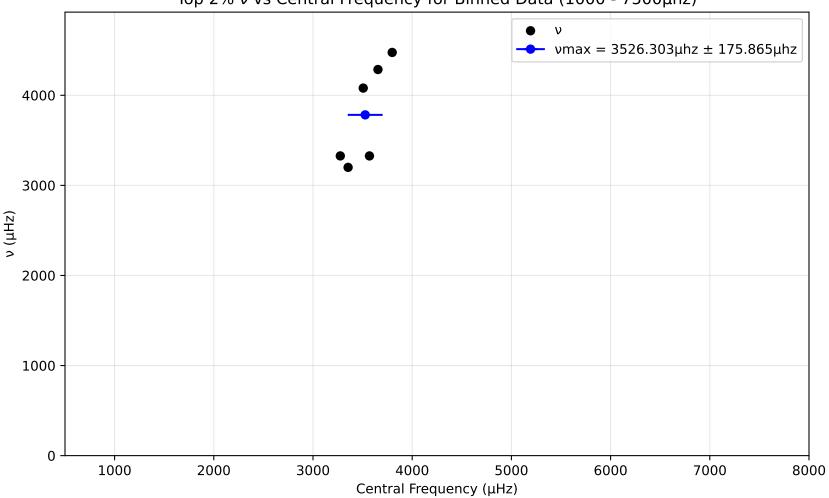


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.19.pow. Drowned by noise at 23.0%.

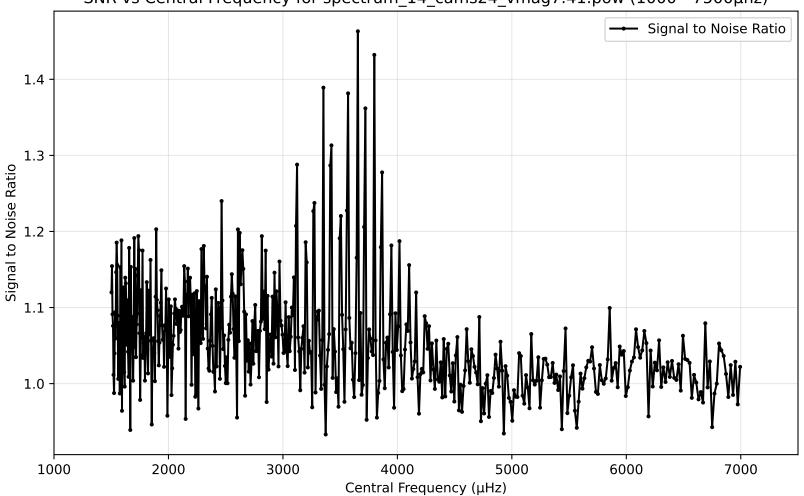




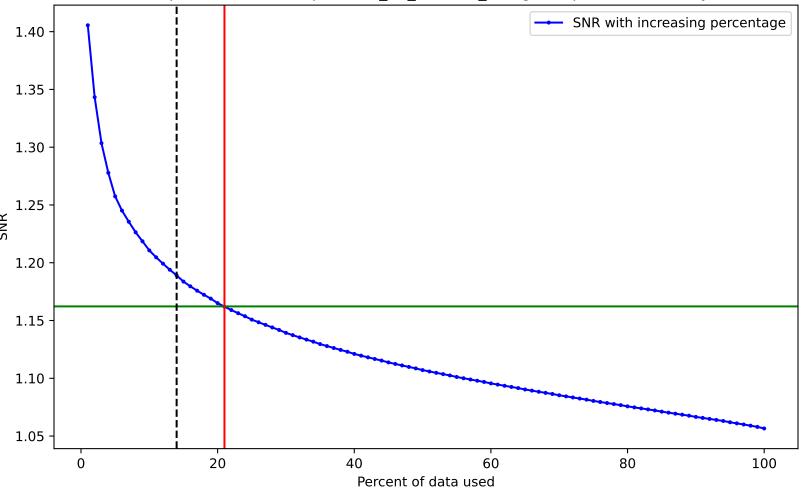
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_14\_cams24\_vmag7.41.pow (1000 - 7500µhz)

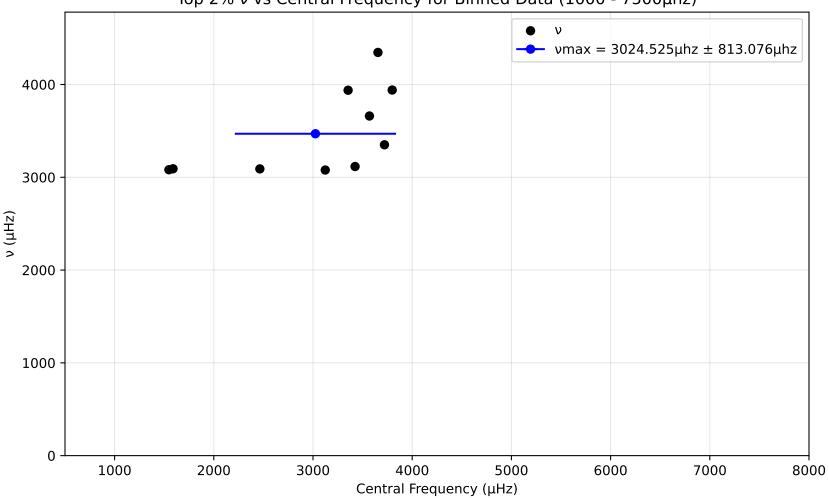


SNR variation for top n% of data for spectrum\_14\_cams24\_vmag7.41.pow. Drowned by noise at 21.0%.



 $\nu$  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\_14\_cams24\_vmag9.62.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95

4000

Central Frequency (µHz)

6000

5000

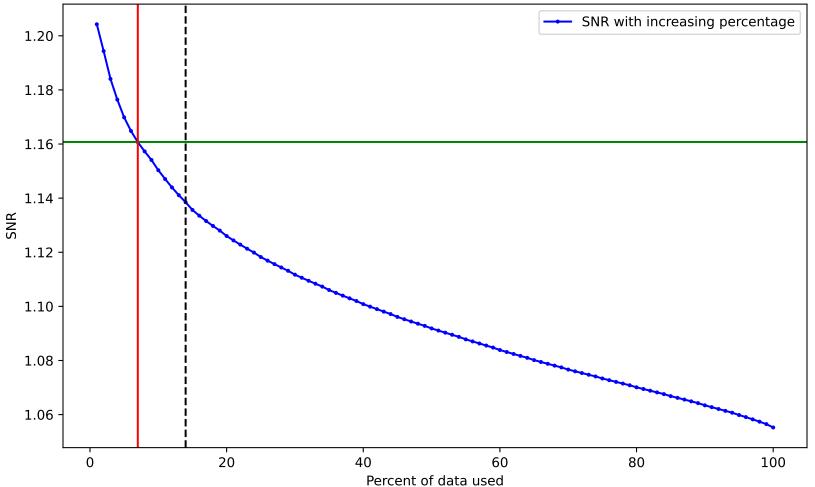
7000

1000

2000

3000

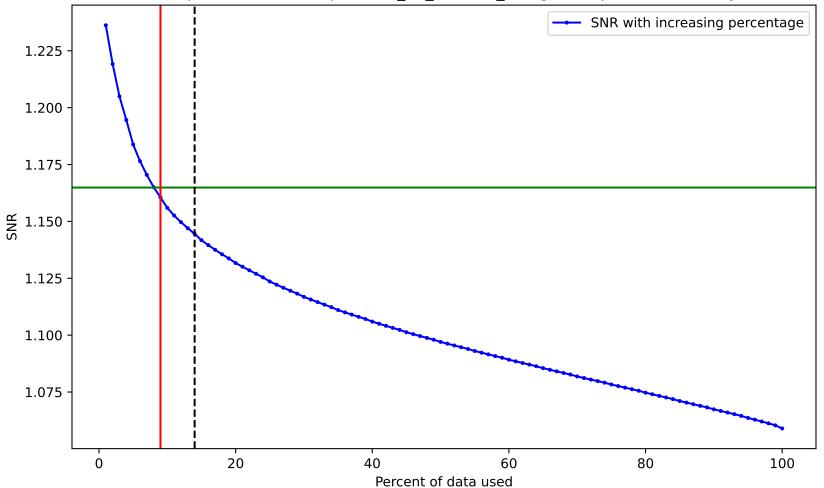
SNR variation for top n% of data for spectrum\_14\_cams24\_vmag9.62.pow. Drowned by noise at 7.0%.



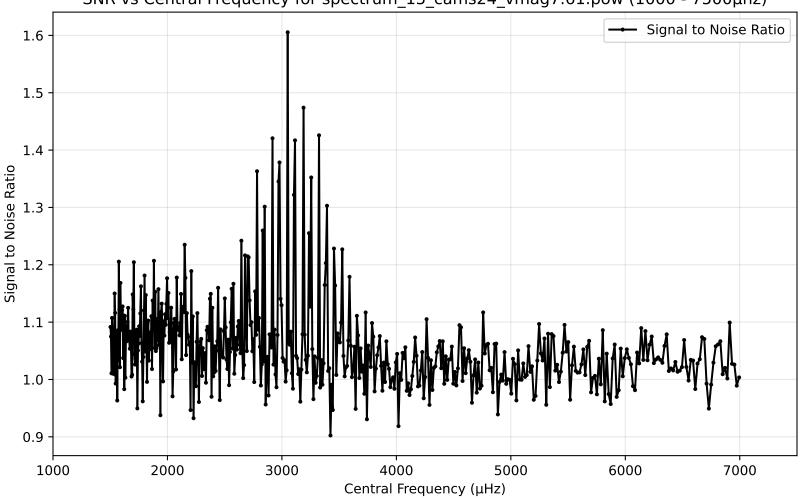
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag10.06.pow (1000 - 7500µhz) Signal to Noise Ratio 1.25 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

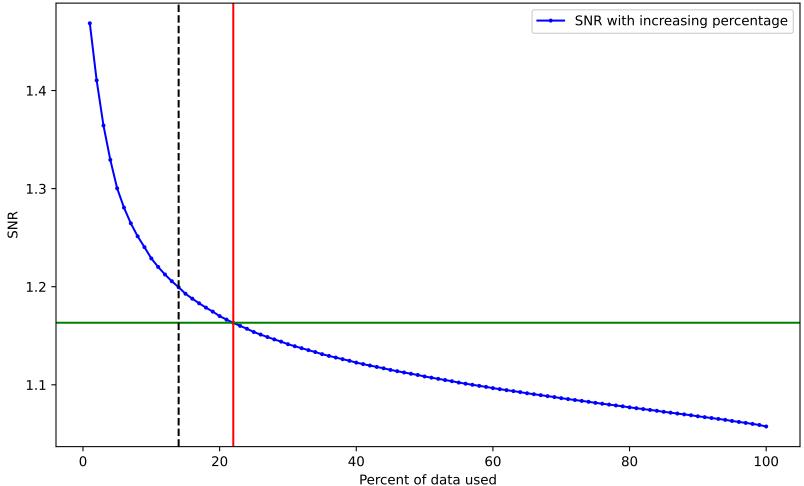
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag10.06.pow. Drowned by noise at 9.0%.



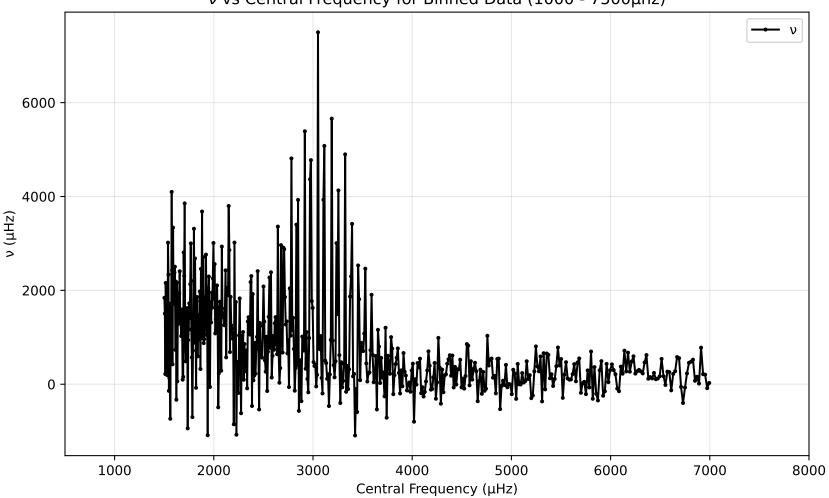
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag7.61.pow (1000 - 7500µhz)



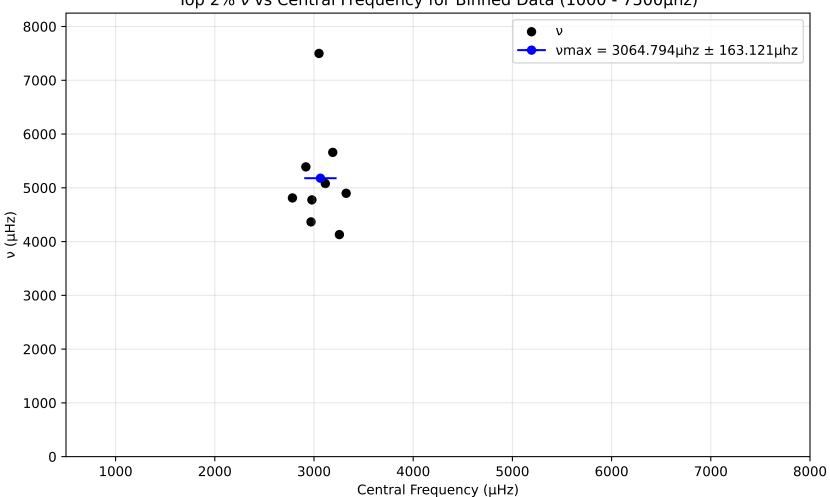
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag7.61.pow. Drowned by noise at 22.0%.



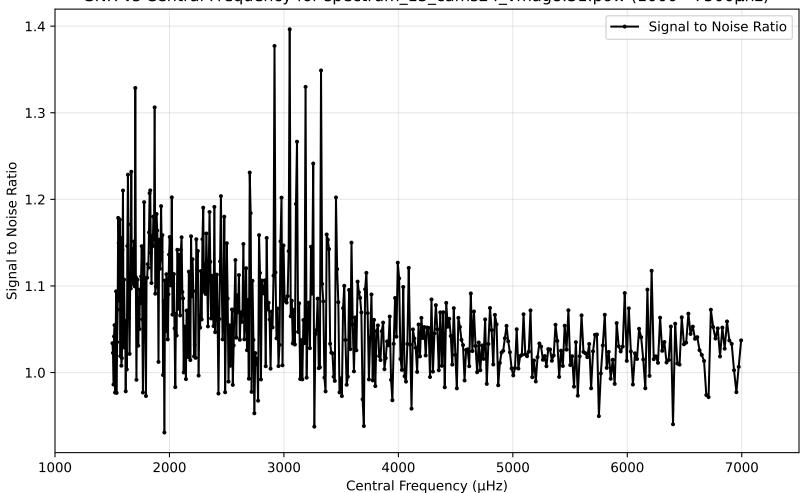
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



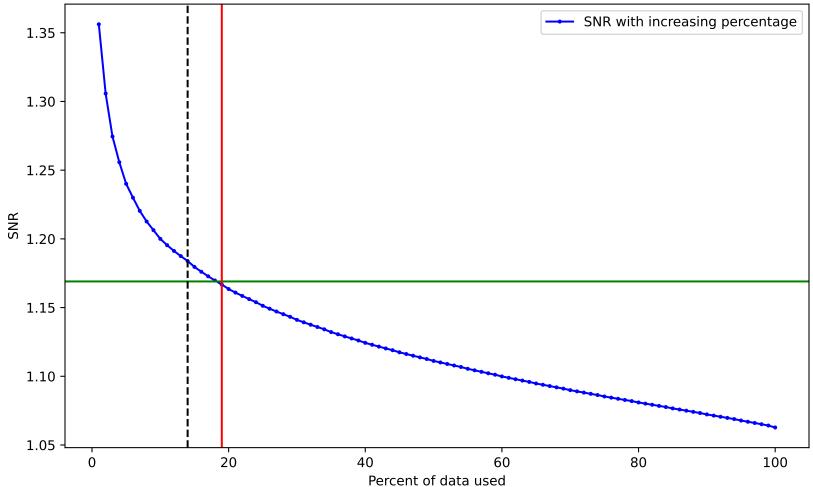
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.31.pow (1000 -  $7500\mu hz$ )

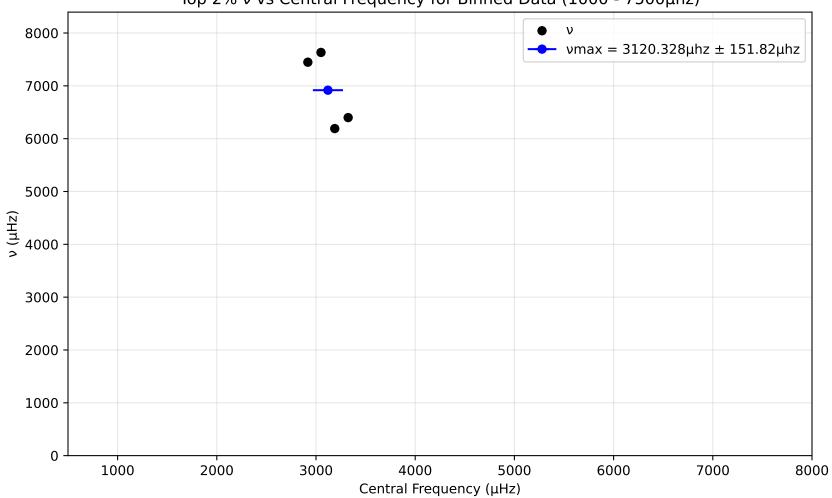


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.31.pow. Drowned by noise at 19.0%.

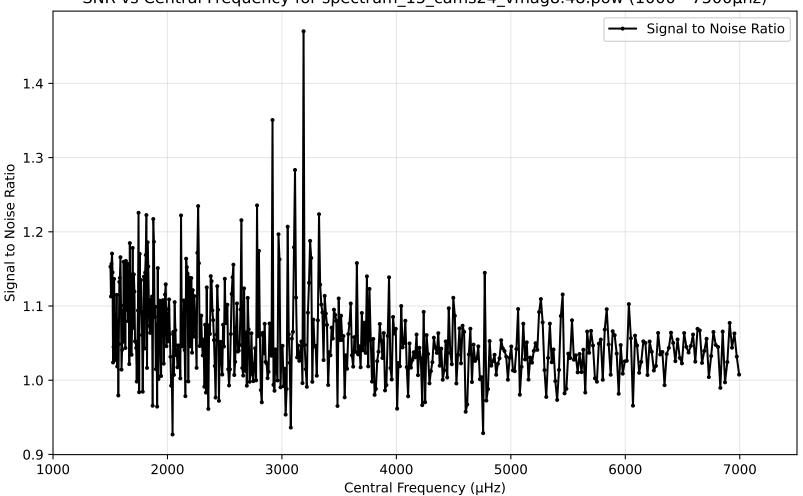


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -2000 Central Frequency (µHz)

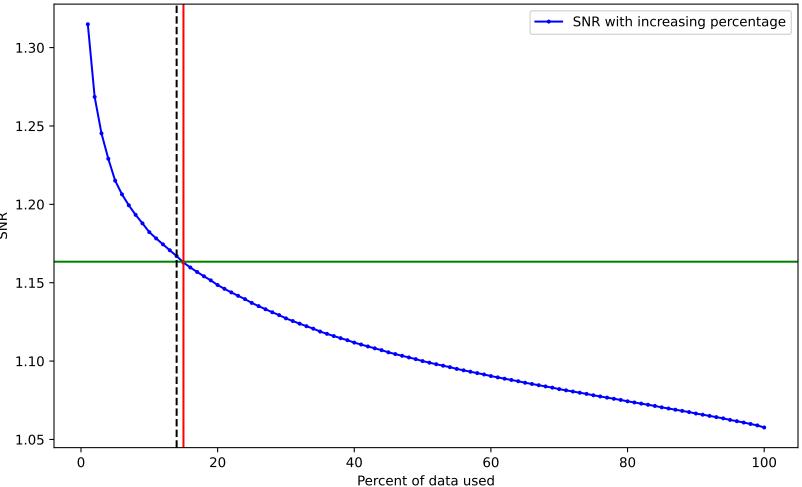
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag8.48.pow (1000 - 7500µhz)

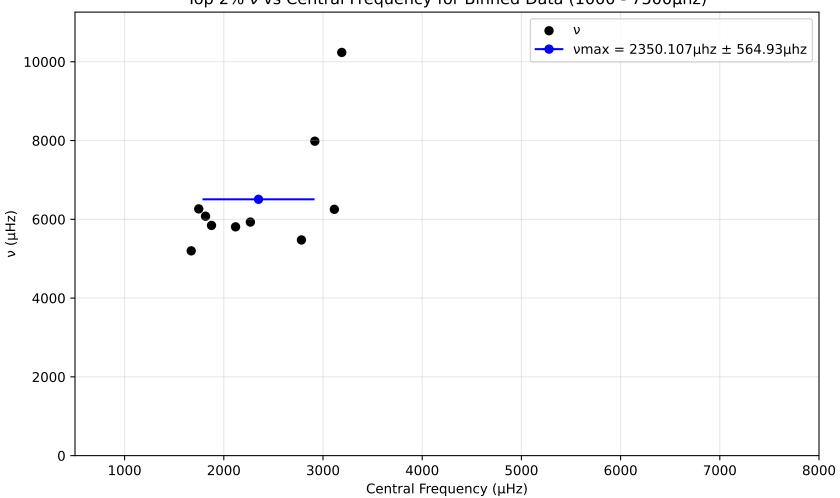


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag8.48.pow. Drowned by noise at 15.0%.

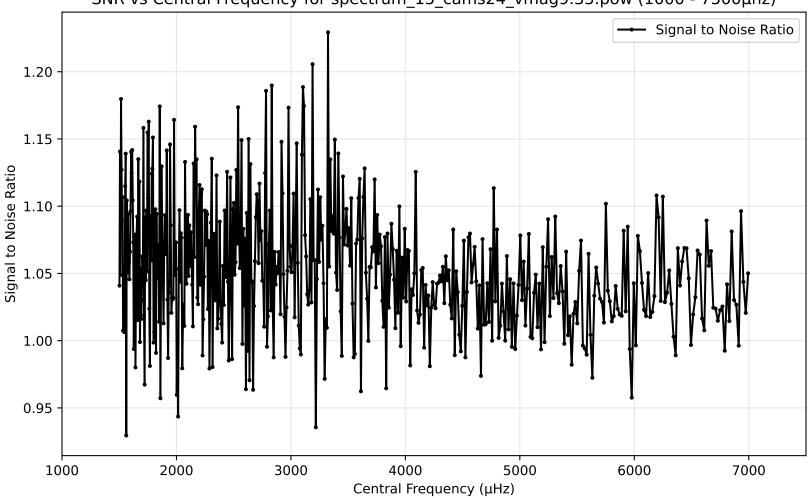


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500  $\mu hz)$ v (µHz) -2000 Central Frequency (µHz)

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



SNR vs Central Frequency for spectrum\_15\_cams24\_vmag9.35.pow (1000 - 7500µhz)

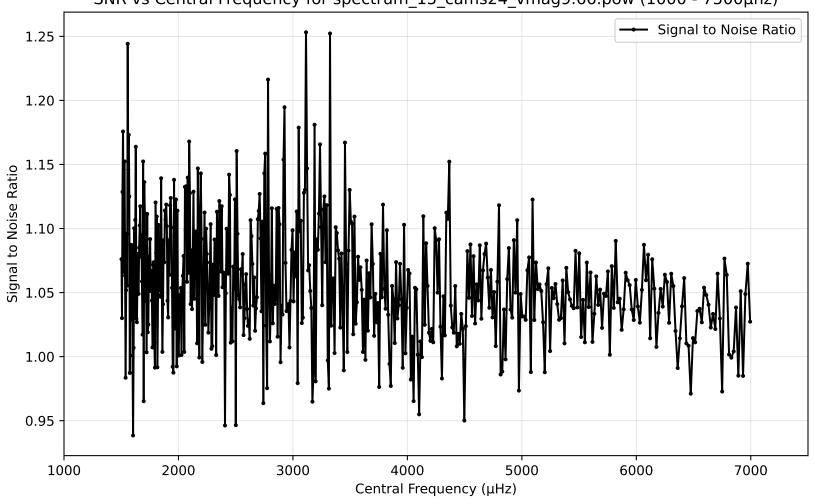


SNR variation for top n% of data for spectrum\_15\_cams24\_vmag9.35.pow. Drowned by noise at 7.0%. SNR with increasing percentage 1.20 1.18 1.16 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100

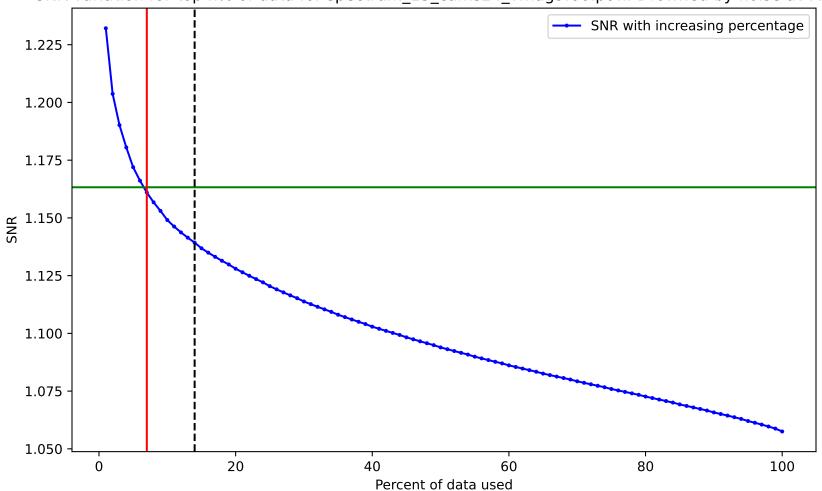
Percent of data used

SNR

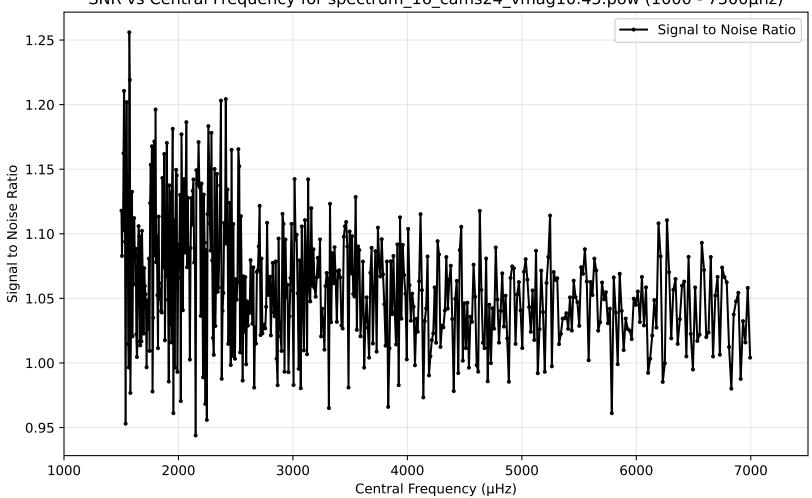
SNR vs Central Frequency for spectrum\_15\_cams24\_vmag9.66.pow (1000 - 7500µhz)



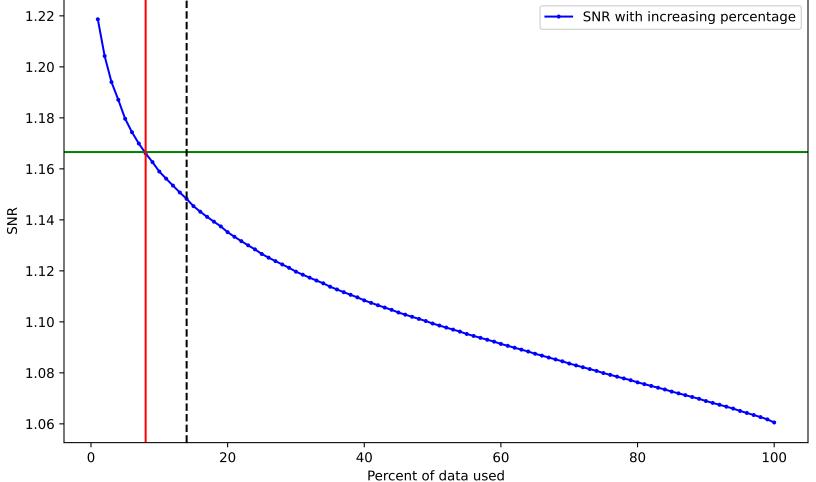
SNR variation for top n% of data for spectrum\_15\_cams24\_vmag9.66.pow. Drowned by noise at 7.0%.



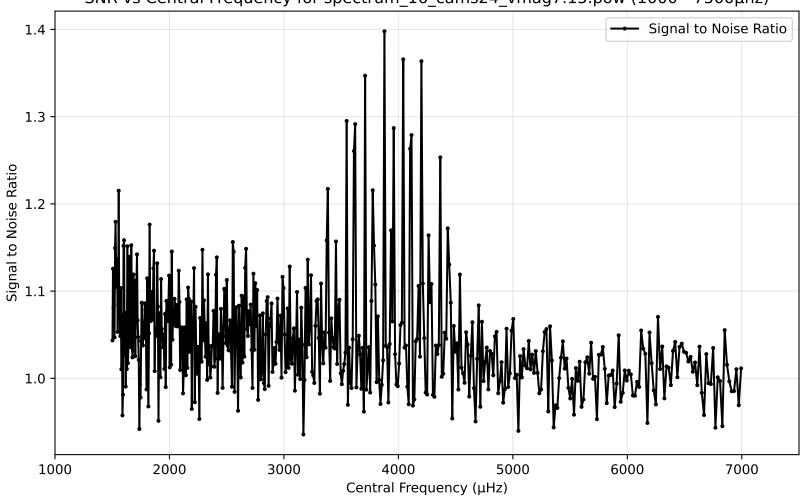
SNR vs Central Frequency for spectrum\_16\_cams24\_vmag10.45.pow (1000 - 7500µhz)



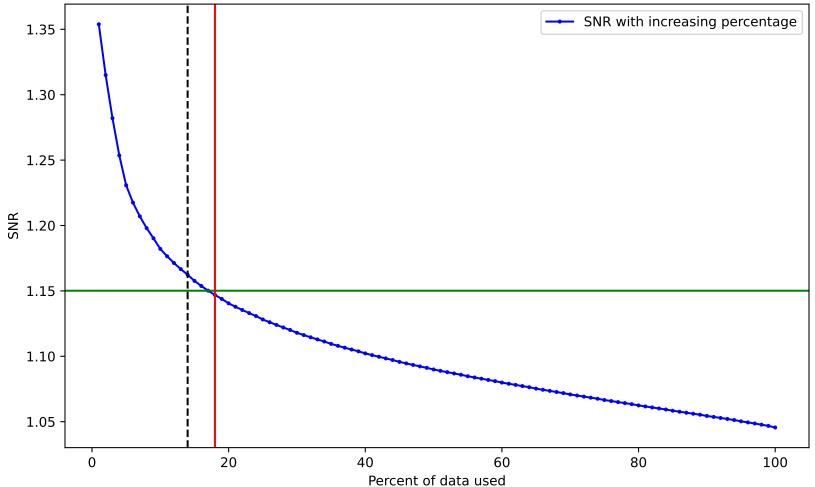
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag10.45.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag7.15.pow (1000 - 7500µhz)



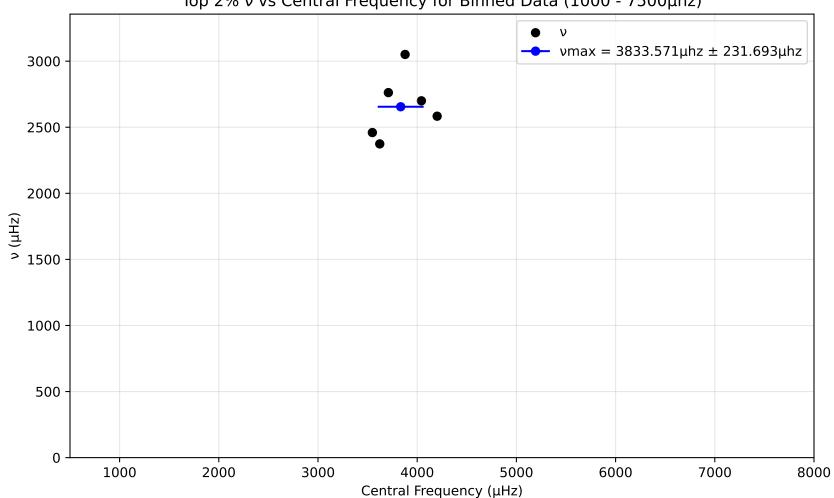
SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.15.pow. Drowned by noise at 18.0%.



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

Central Frequency (µHz)

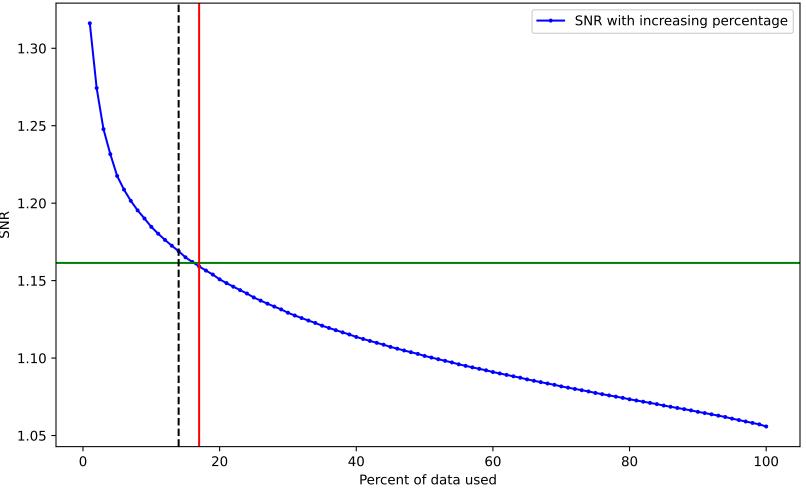
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

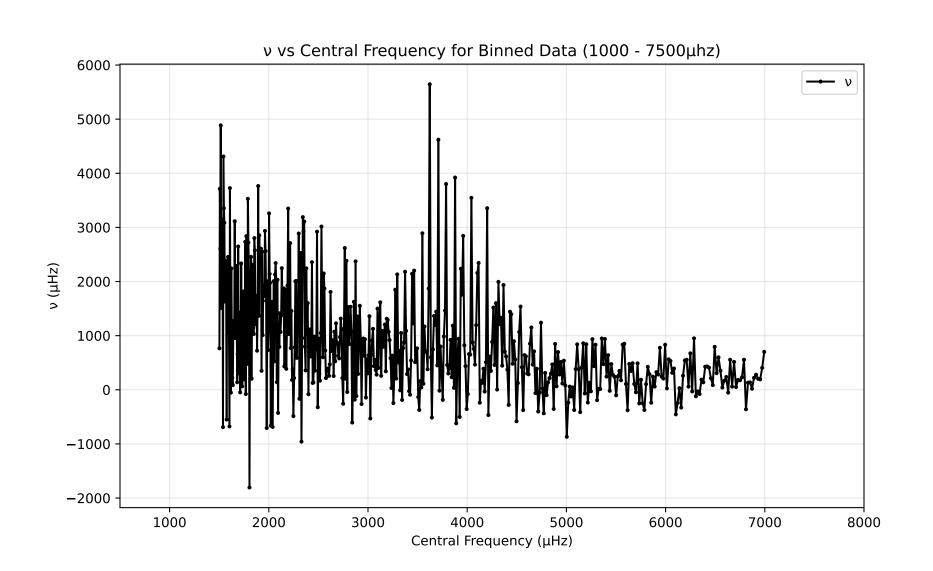


SNR vs Central Frequency for spectrum\_16\_cams24\_vmag7.98.pow (1000 - 7500µhz) Signal to Noise Ratio 1.4 1.3 Signal to Noise Ratio 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

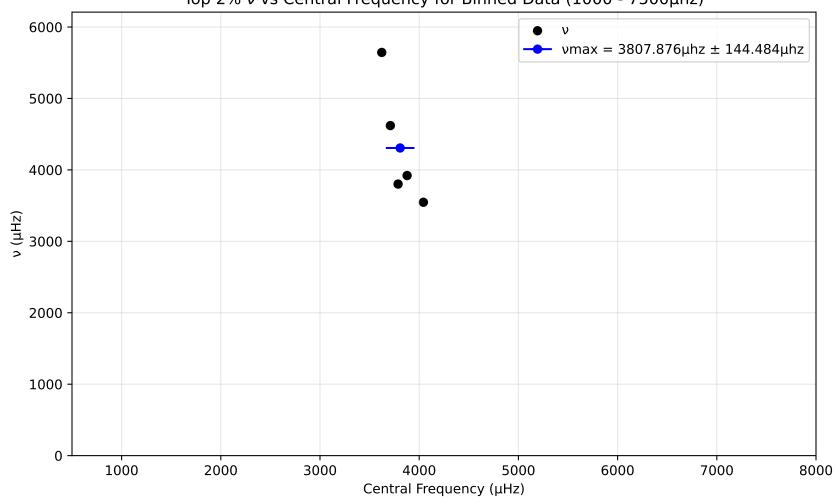
Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_16\_cams24\_vmag7.98.pow. Drowned by noise at 17.0%.

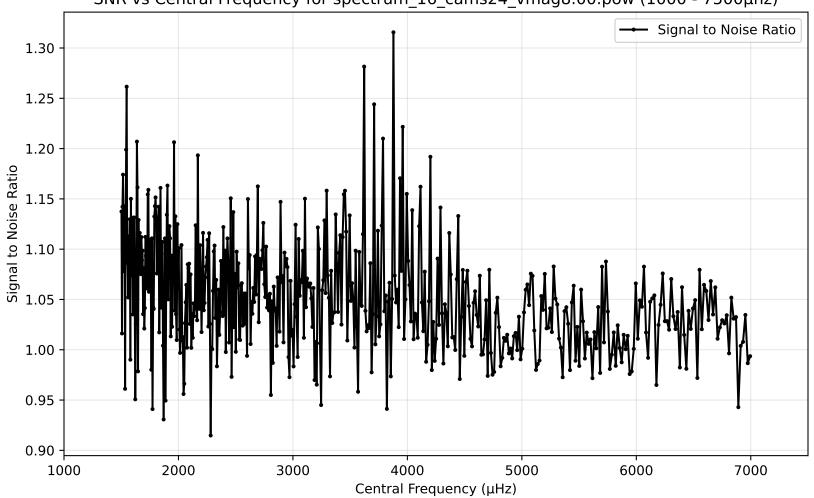




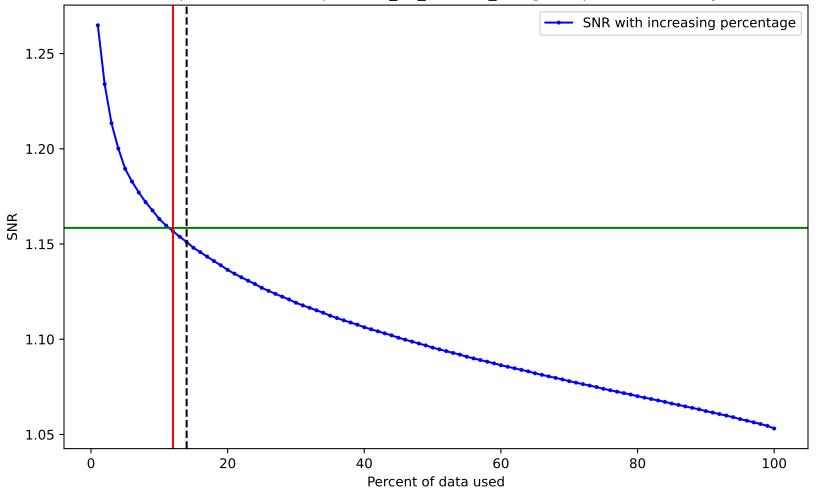
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



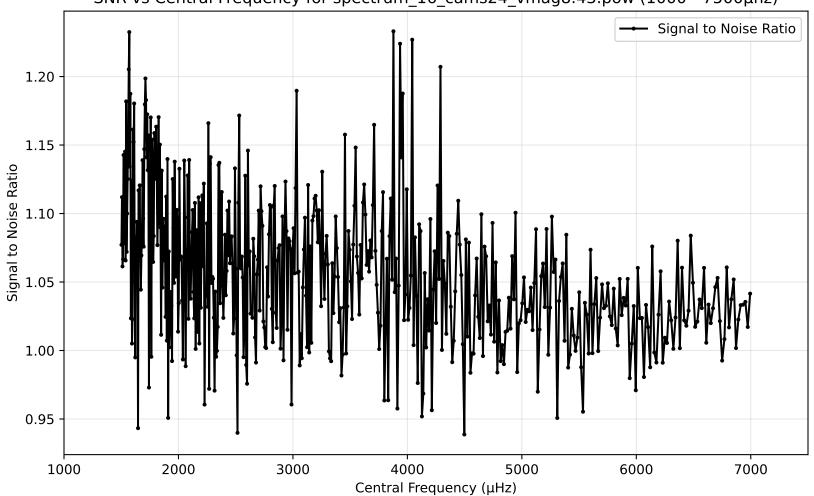
SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.00.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.00.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_16\_cams24\_vmag8.43.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_16\_cams24\_vmag8.43.pow. Drowned by noise at 10.0%. SNR with increasing percentage 1.225 -1.200 1.175 1.150 -1.125 -1.100 1.075

40

60

Percent of data used

80

100

SNR

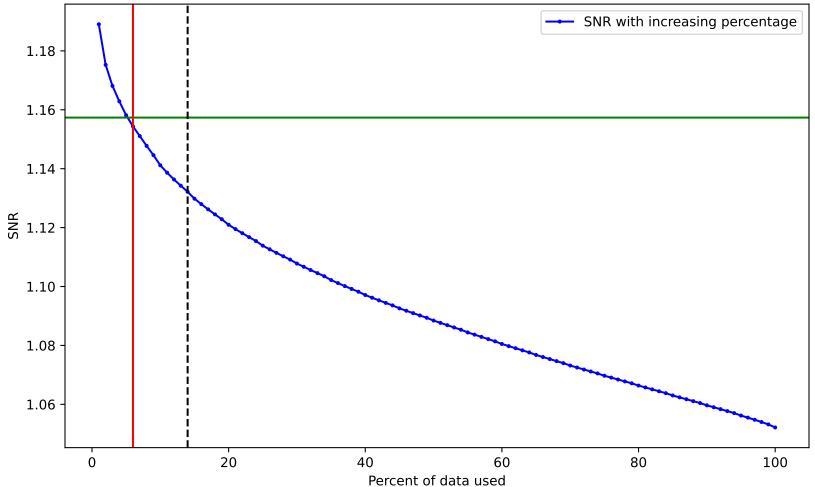
1.050

20

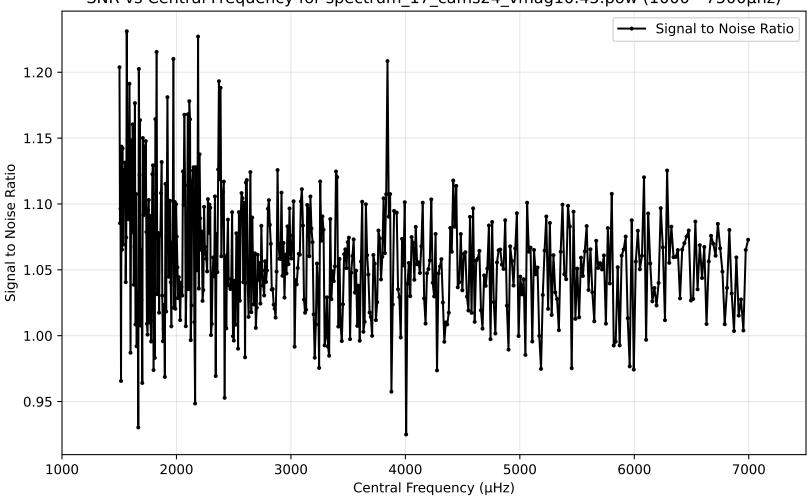
SNR vs Central Frequency for spectrum\_16\_cams24\_vmag9.94.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_16\_cams24\_vmag9.94.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_17\_cams24\_vmag10.45.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_17\_cams24\_vmag10.45.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 -

40

60

Percent of data used

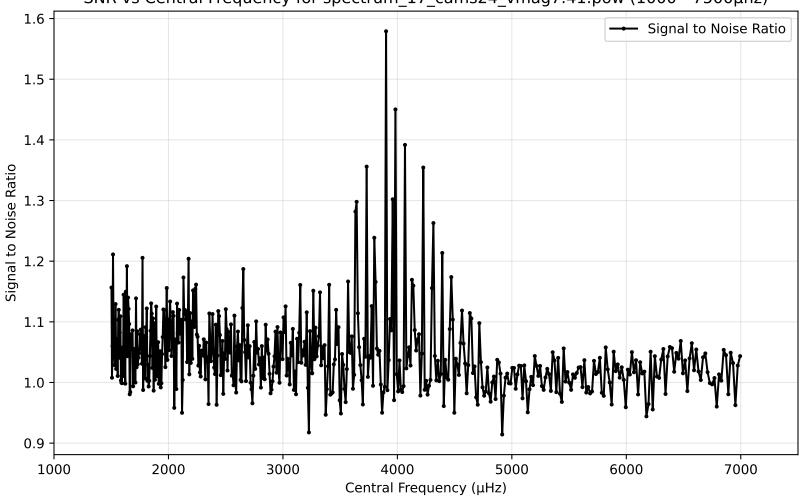
80

100

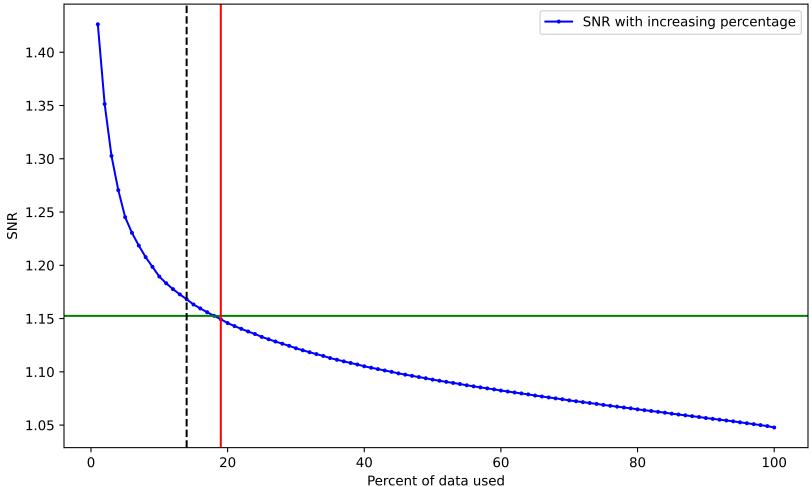
20

0

SNR vs Central Frequency for spectrum\_17\_cams24\_vmag7.41.pow (1000 - 7500µhz)

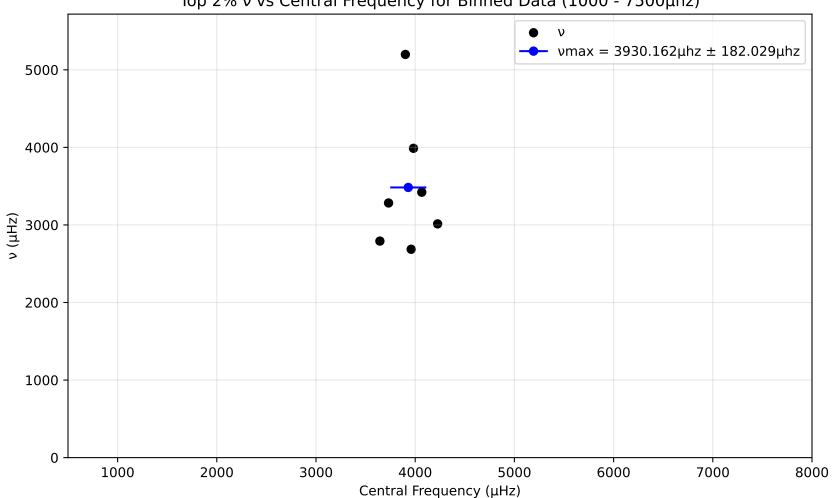


SNR variation for top n% of data for spectrum\_17\_cams24\_vmag7.41.pow. Drowned by noise at 19.0%.

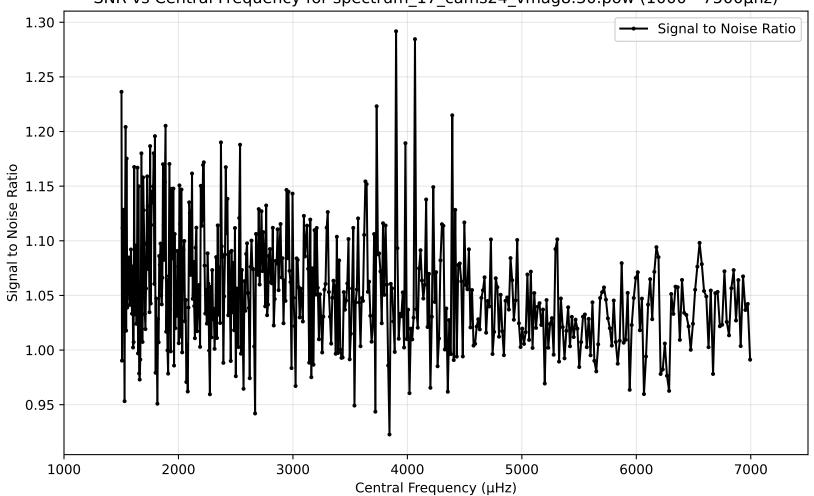


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

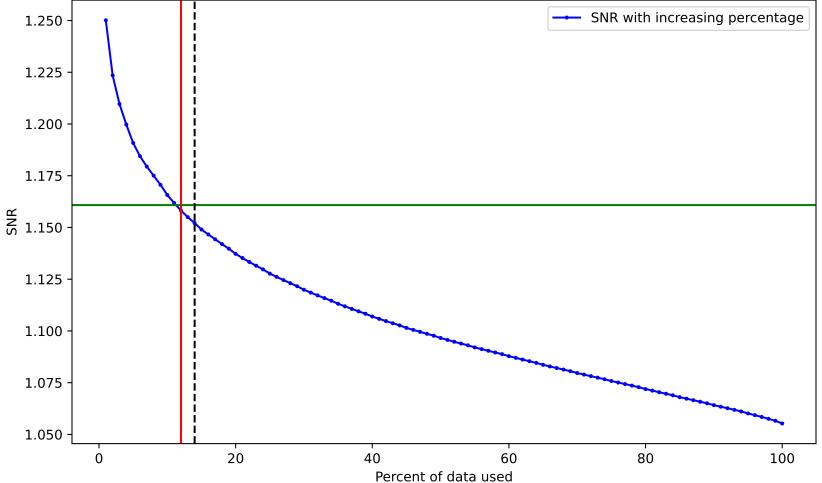
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



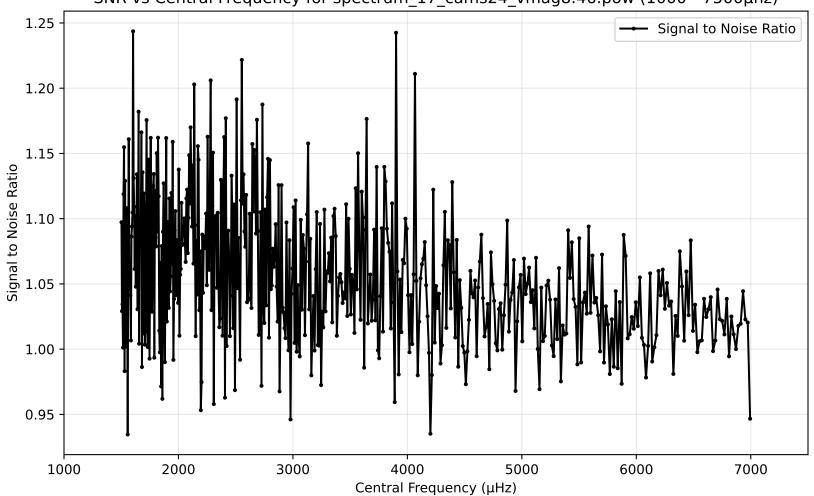
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag8.30.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_17\_cams24\_vmag8.30.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_17\_cams24\_vmag8.46.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_17\_cams24\_vmag8.46.pow. Drowned by noise at 10.0%. SNR with increasing percentage 1.225 1.200 1.175 1.150 -1.125 1.100 1.075 1.050

40

60

Percent of data used

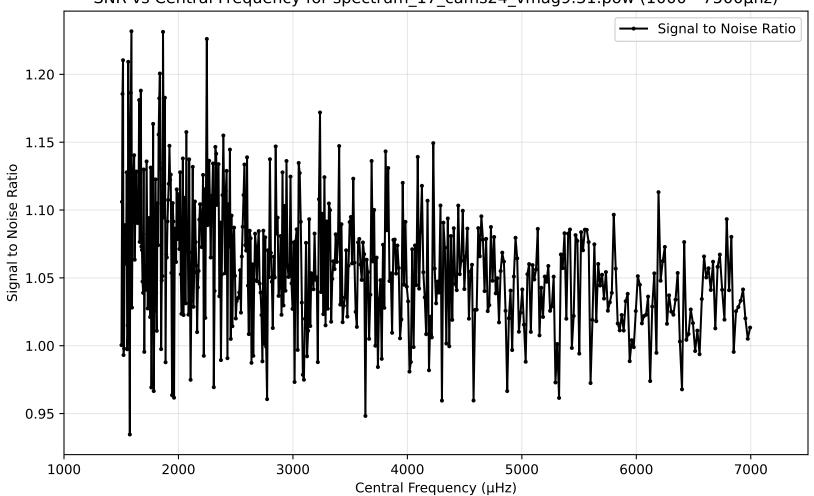
80

100

20

SNR

SNR vs Central Frequency for spectrum\_17\_cams24\_vmag9.31.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_17\_cams24\_vmag9.31.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

60

Percent of data used

80

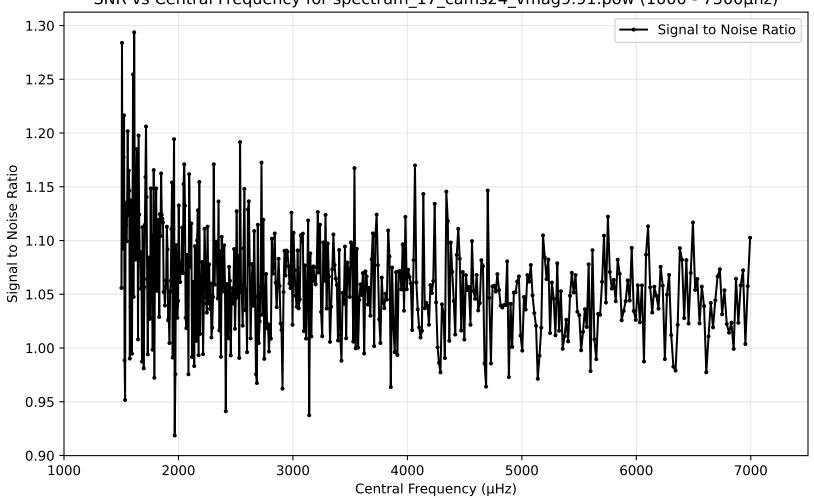
100

40

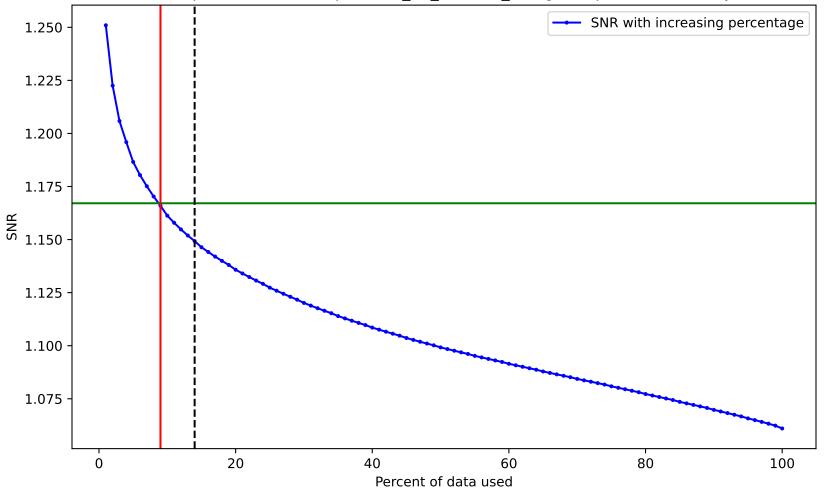
20

0

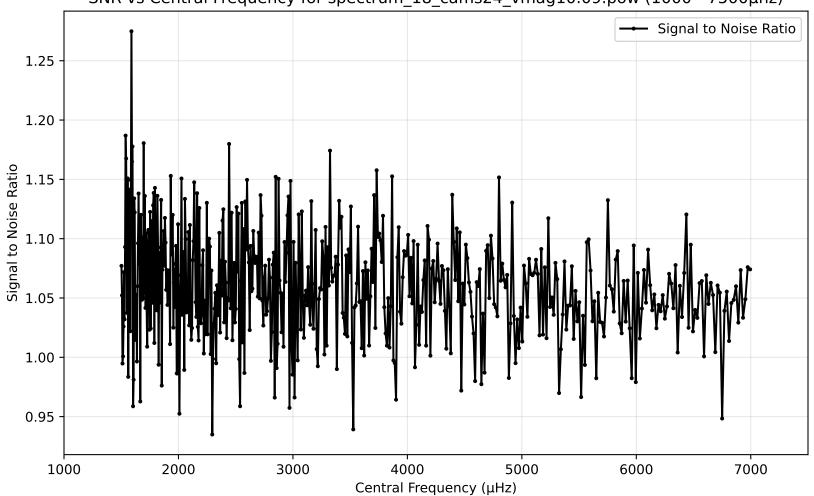
SNR vs Central Frequency for spectrum\_17\_cams24\_vmag9.91.pow (1000 - 7500µhz)



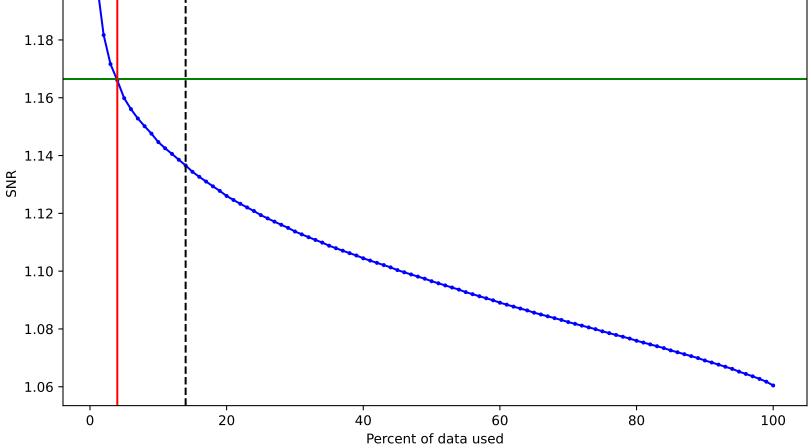
SNR variation for top n% of data for spectrum\_17\_cams24\_vmag9.91.pow. Drowned by noise at 9.0%.



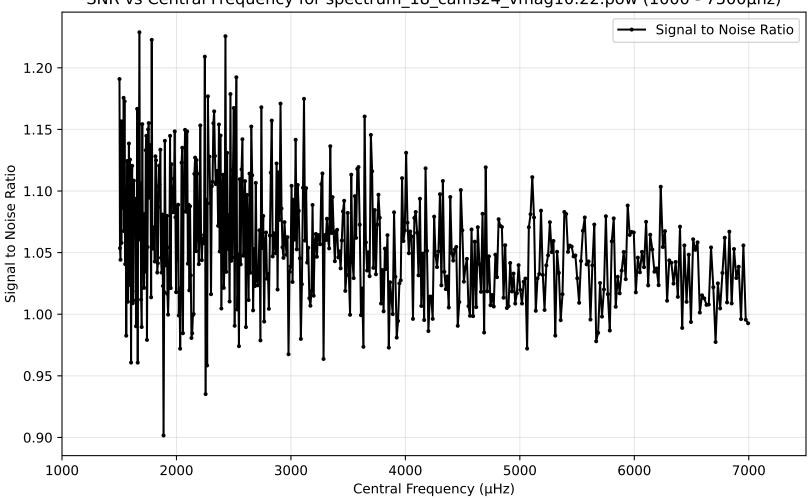
SNR vs Central Frequency for spectrum\_18\_cams24\_vmag10.09.pow (1000 - 7500µhz)



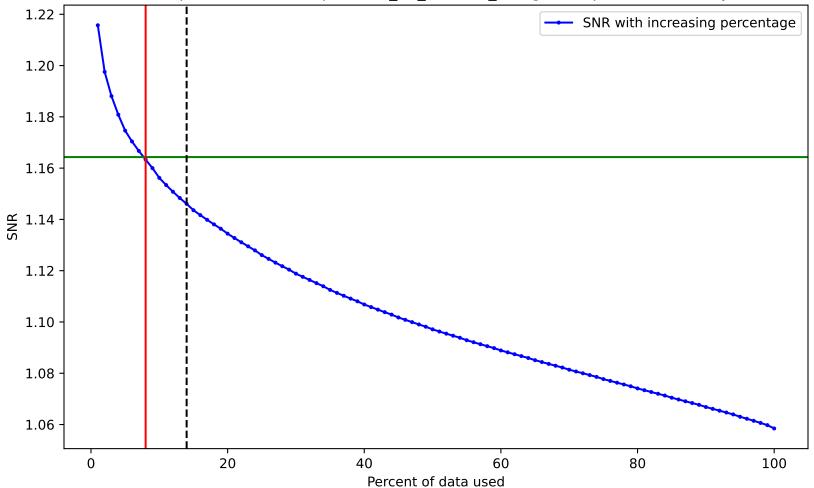
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag10.09.pow. Drowned by noise at 4.0%. SNR with increasing percentage 1.20 1.18 1.16 1.14 -1.12



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag10.22.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_18\_cams24\_vmag10.22.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag7.71.pow (1000 - 7500µhz) Signal to Noise Ratio

4000

Central Frequency (µHz)

5000

6000

7000

1.5

1.4

1.3

1.1

1.0

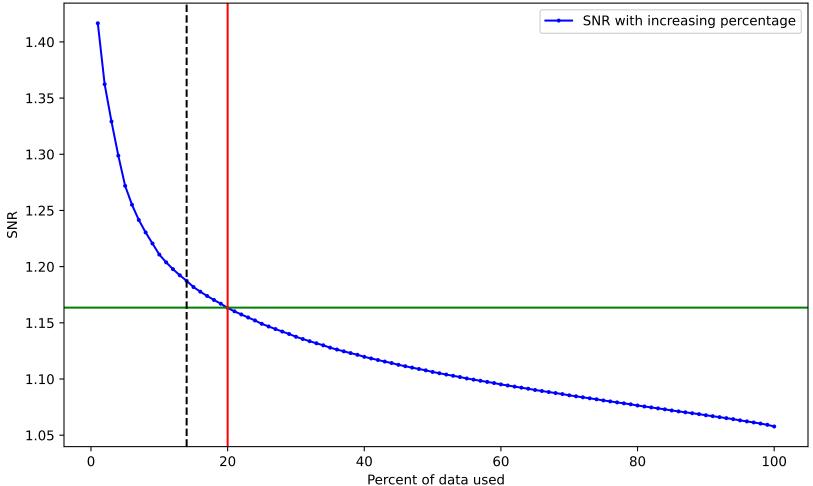
0.9

1000

2000

3000

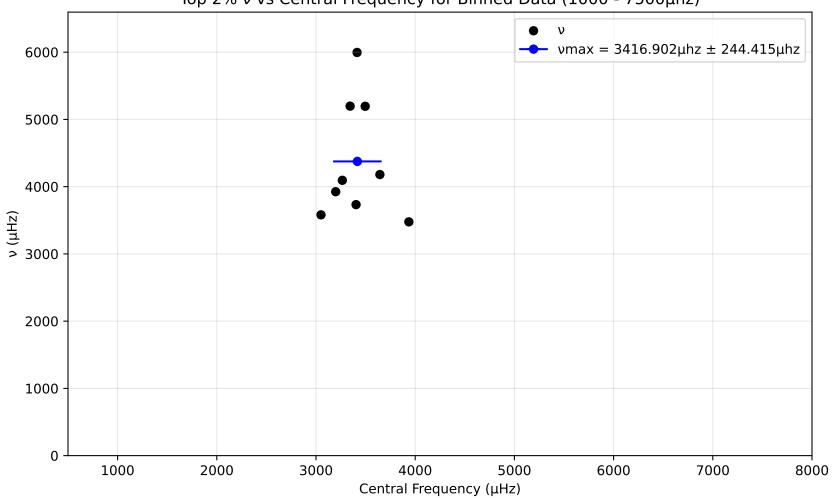
Signal to Noise Ratio 1.2 SNR variation for top n% of data for spectrum\_18\_cams24\_vmag7.71.pow. Drowned by noise at 20.0%.



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\_vmag8.86.pow (1000 - 7500µhz) 1.25 -Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.10 1.00 0.95

4000

Central Frequency (µHz)

6000

5000

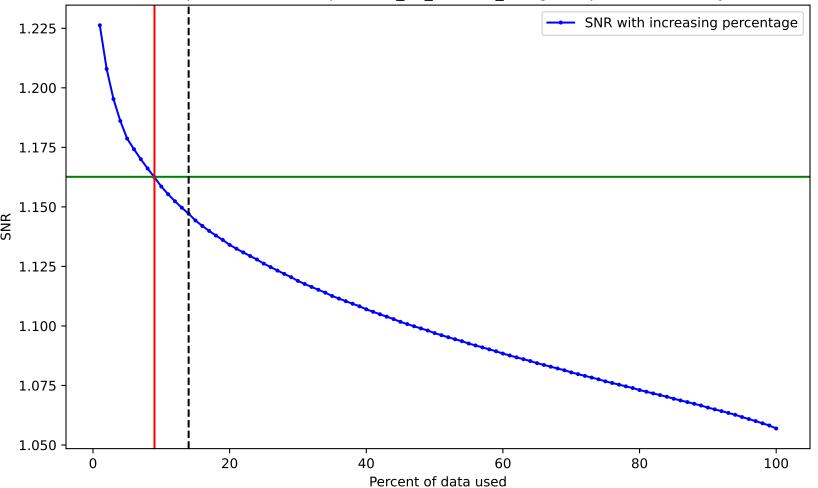
7000

1000

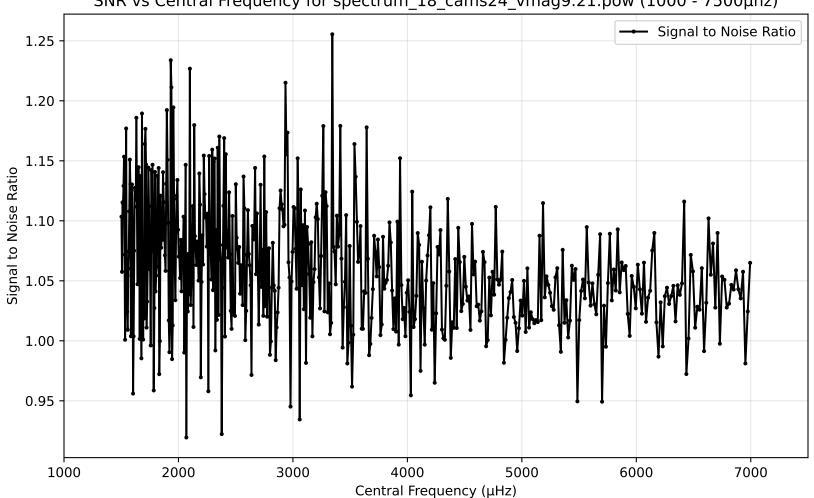
2000

3000

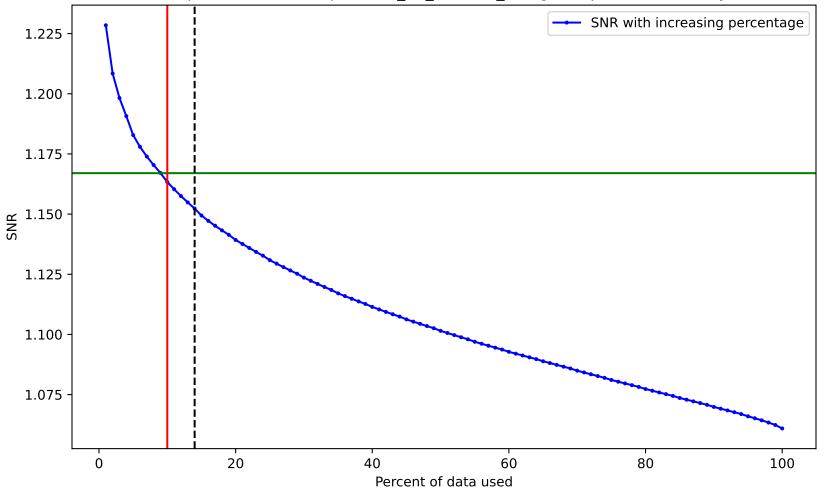
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag8.86.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag9.21.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_18\_cams24\_vmag9.21.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_18\_cams24\_vmag9.22.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)

6000

5000

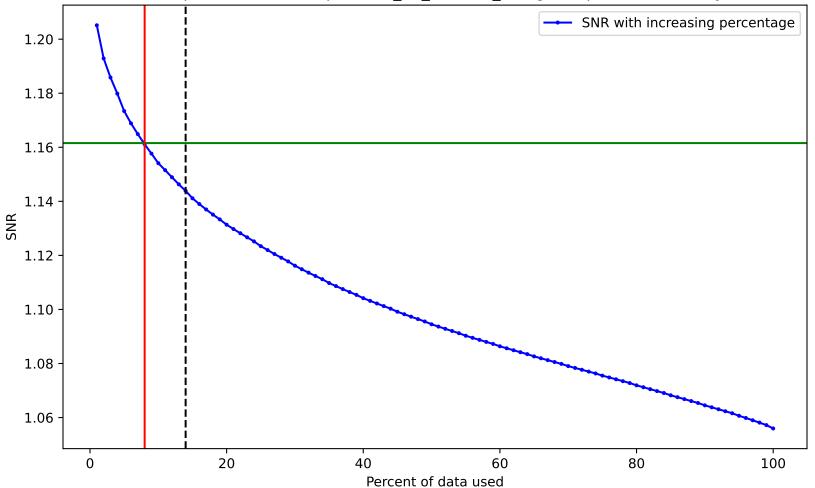
7000

1000

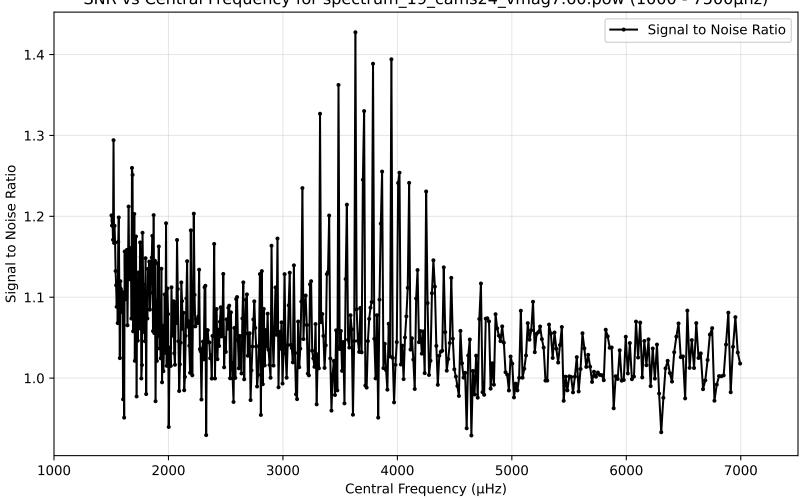
2000

3000

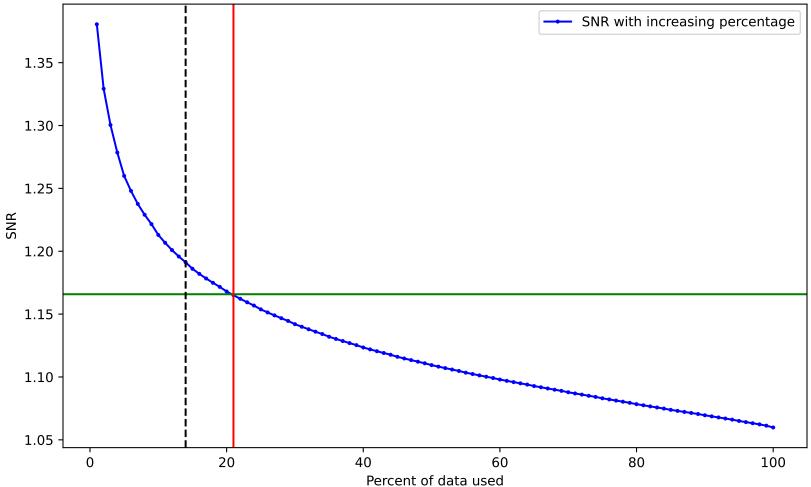
SNR variation for top n% of data for spectrum\_18\_cams24\_vmag9.22.pow. Drowned by noise at 8.0%.



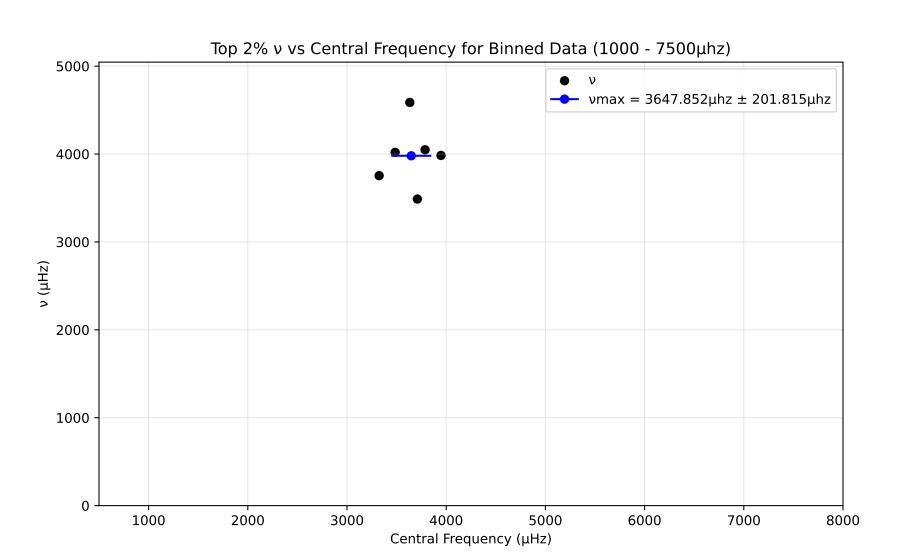
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag7.60.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_19\_cams24\_vmag7.60.pow. Drowned by noise at 21.0%.



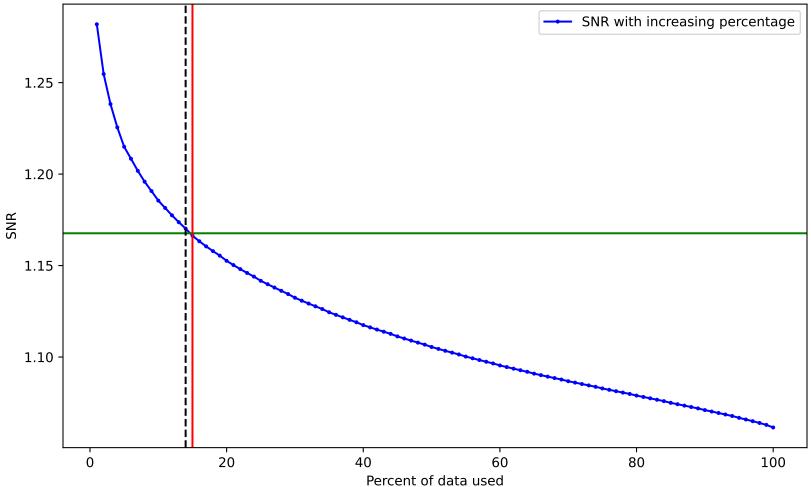
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)



SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.36.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

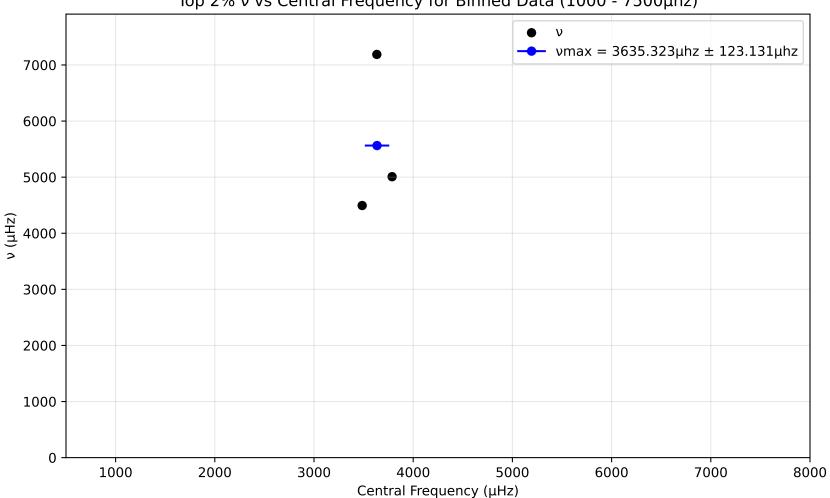
Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.36.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\_19\_cams24\_vmag8.68.pow (1000 - 7500µhz) Signal to Noise Ratio

4000

Central Frequency (µHz)

5000

6000

7000

1.20 -

1.15

Signal to Noise Ratio

1.00

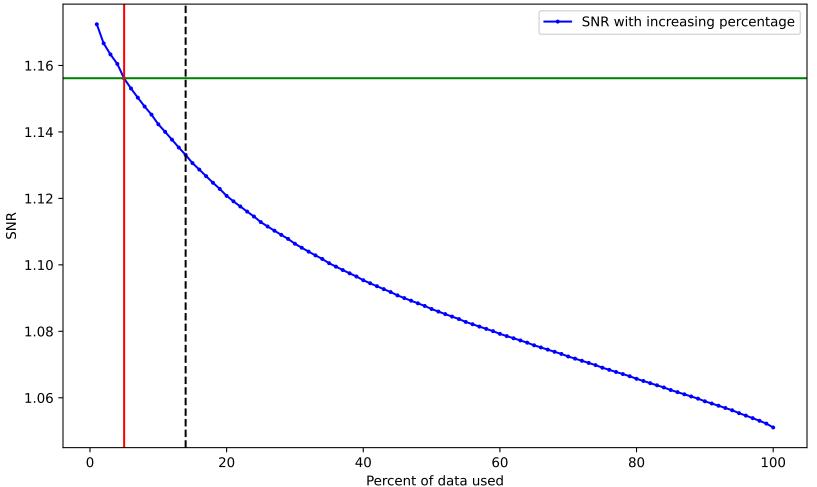
0.95

1000

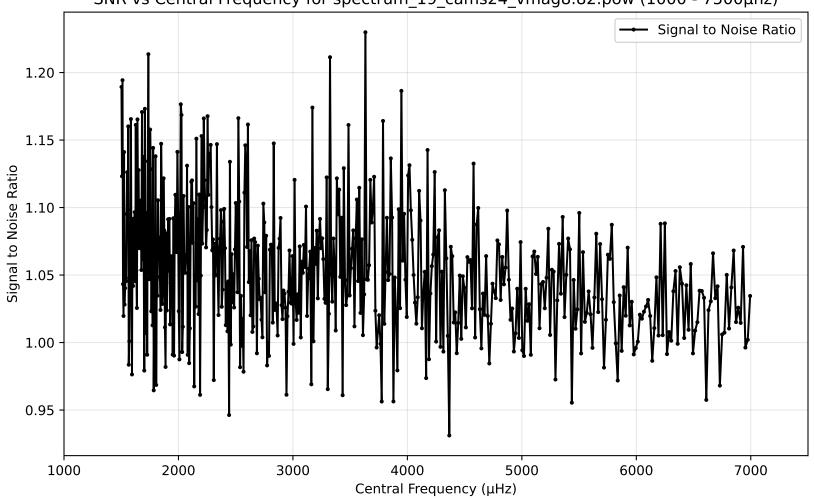
2000

3000

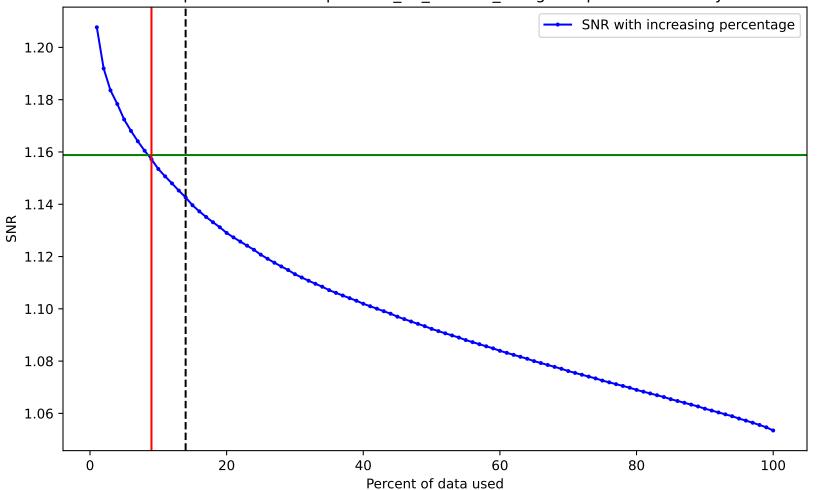
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.68.pow. Drowned by noise at 5.0%.



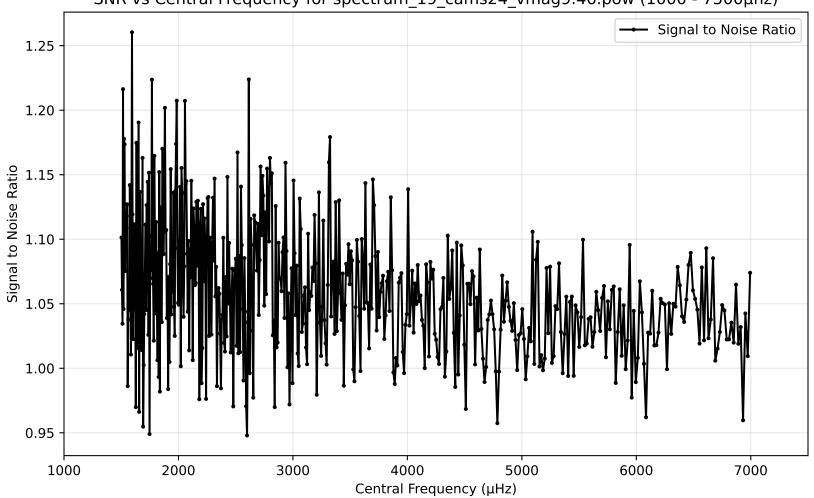
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag8.82.pow (1000 - 7500µhz)



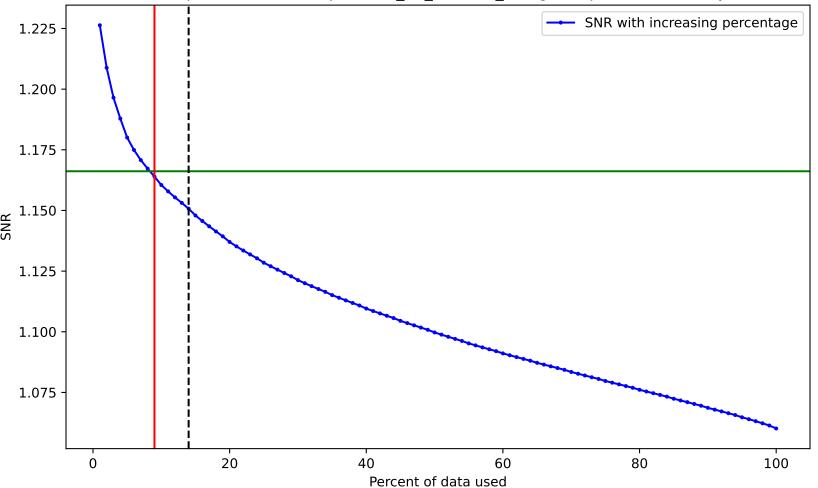
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag8.82.pow. Drowned by noise at 9.0%.



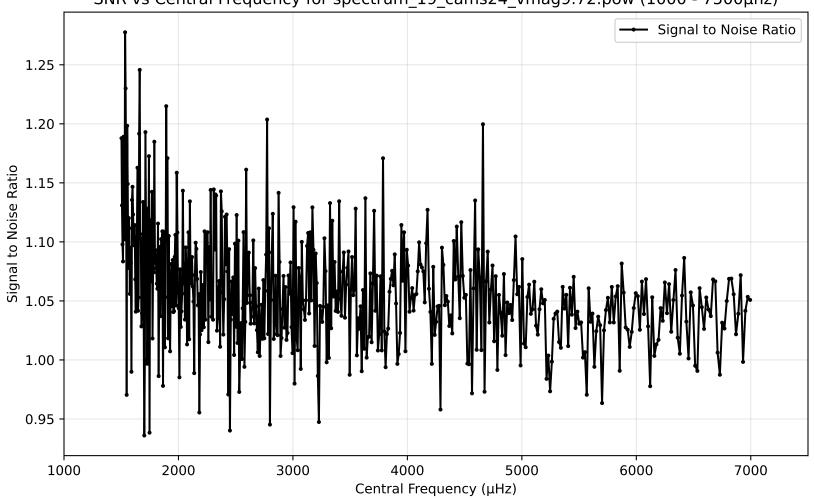
SNR vs Central Frequency for spectrum\_19\_cams24\_vmag9.46.pow (1000 - 7500µhz)



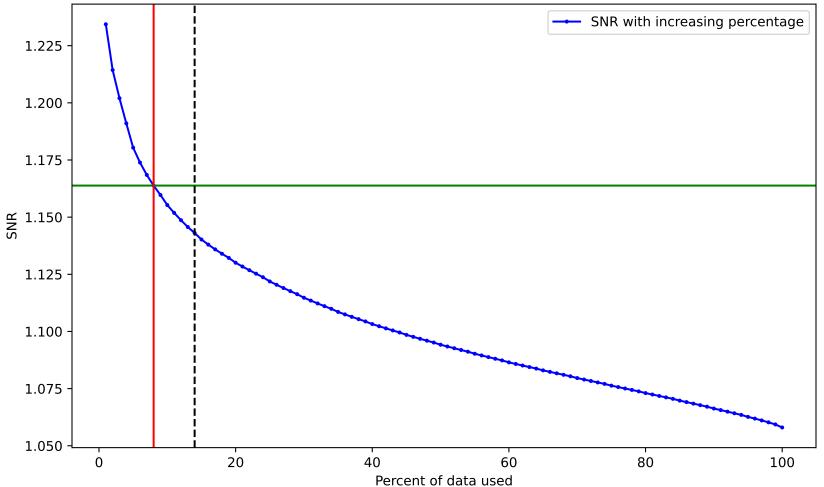
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag9.46.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_19\_cams24\_vmag9.72.pow (1000 - 7500µhz)



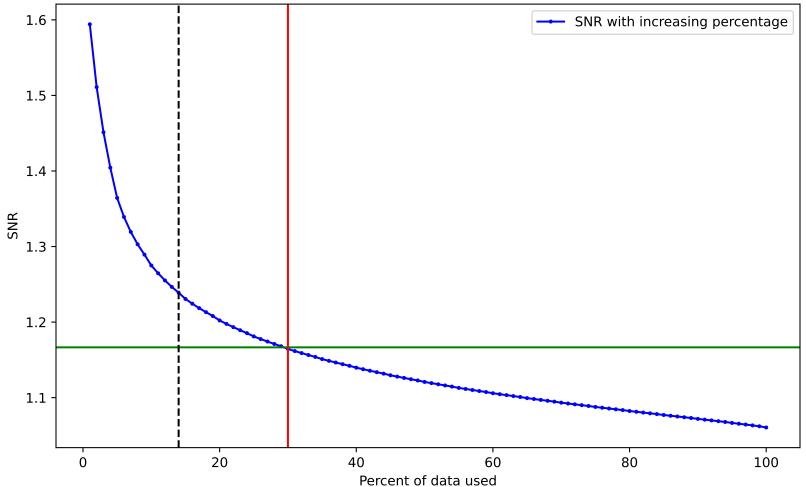
SNR variation for top n% of data for spectrum\_19\_cams24\_vmag9.72.pow. Drowned by noise at 8.0%.



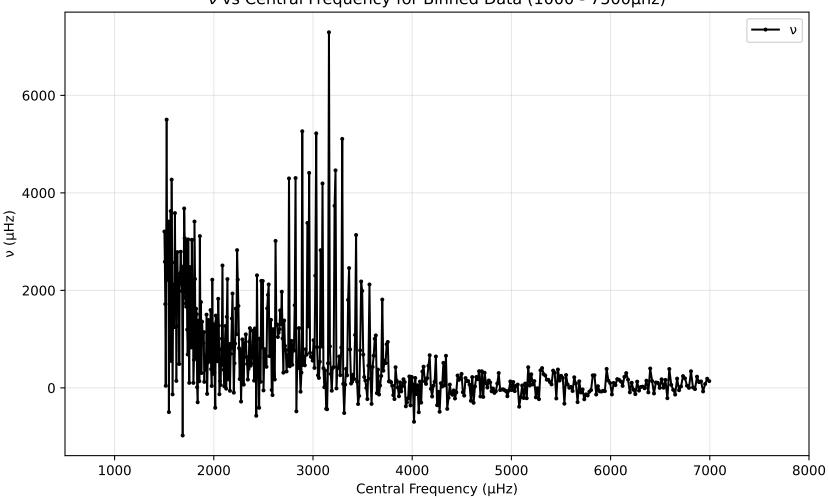
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag7.10.pow (1000 - 7500µhz) Signal to Noise Ratio 1.8 1.6 Signal to Noise Ratio 1.4 1.2 1.0 1000 2000 3000 4000 5000 6000 7000

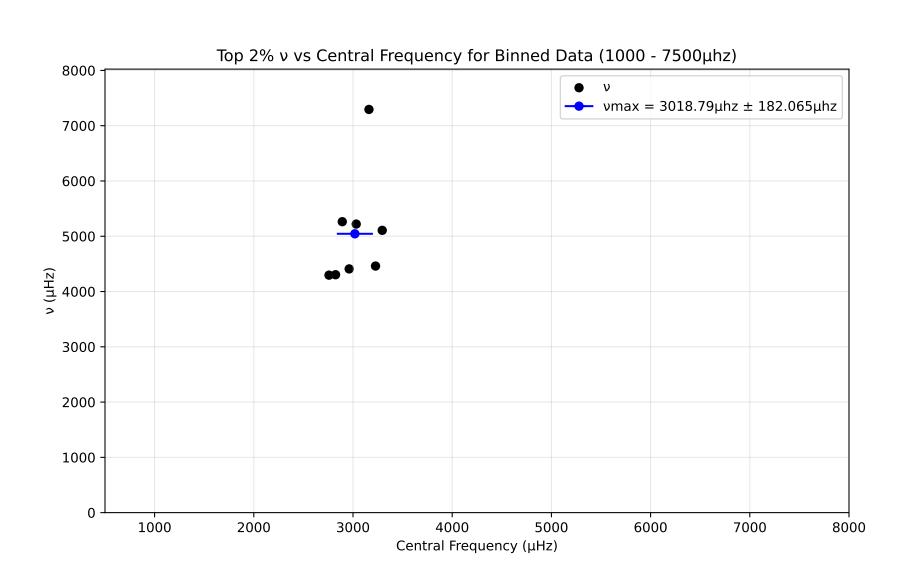
Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_1\_cams24\_vmag7.10.pow. Drowned by noise at 30.0%.

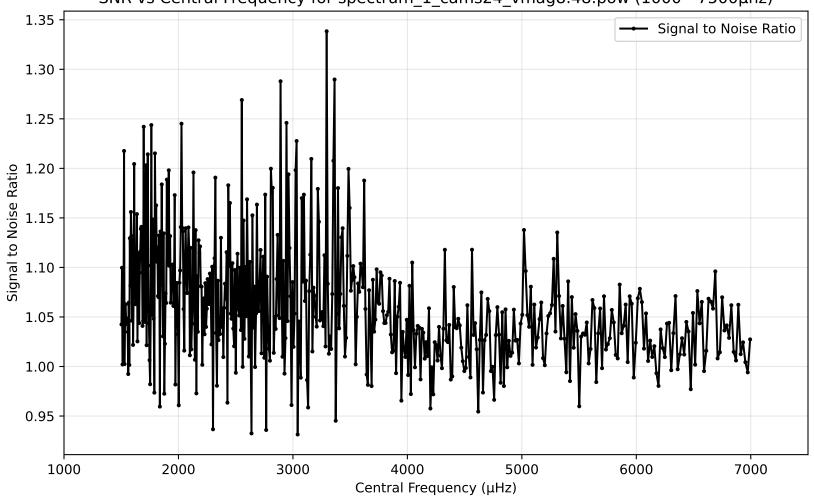


ν vs Central Frequency for Binned Data (1000 - 7500μhz)

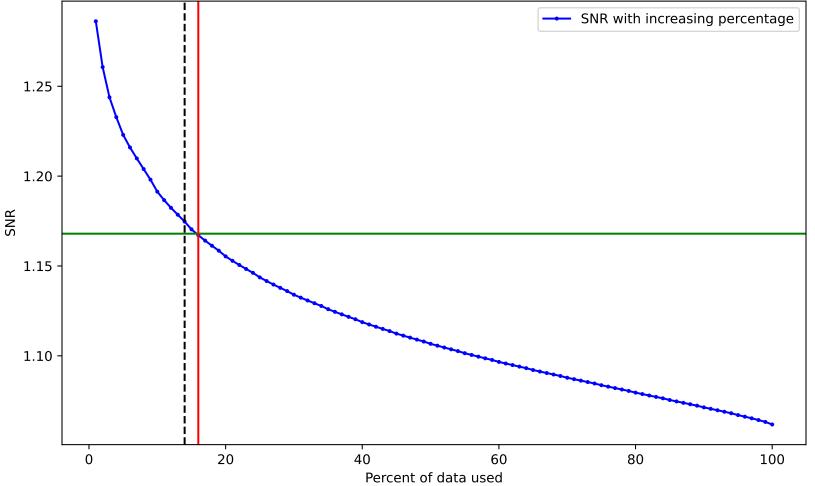




SNR vs Central Frequency for spectrum\_1\_cams24\_vmag8.48.pow (1000 - 7500µhz)



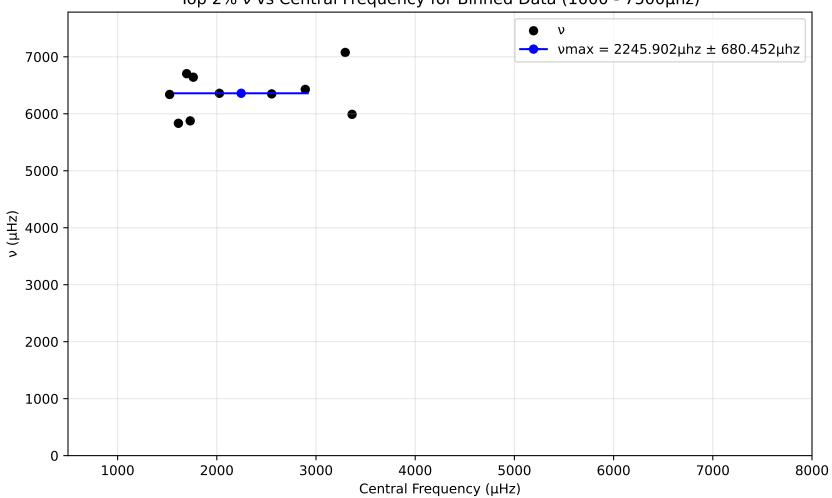
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag8.48.pow. Drowned by noise at 16.0%.



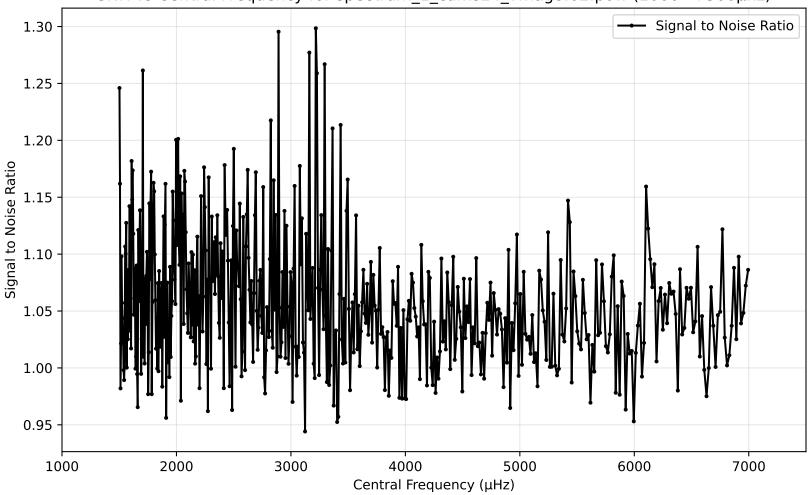
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -2000 

Central Frequency (µHz)

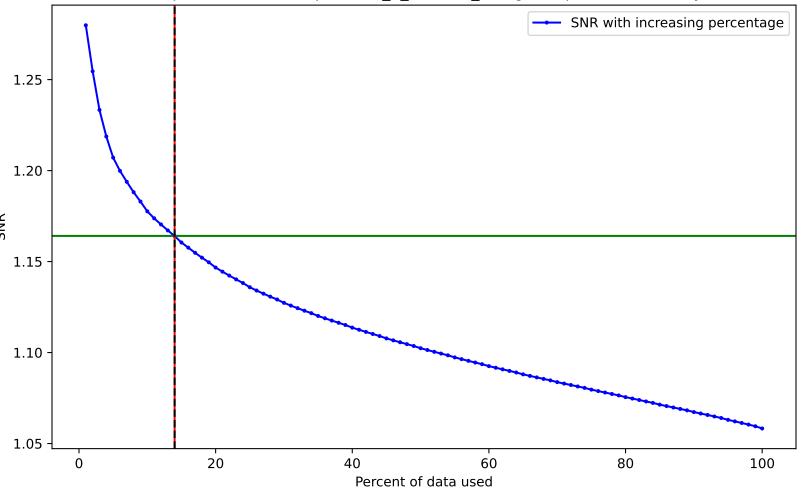
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



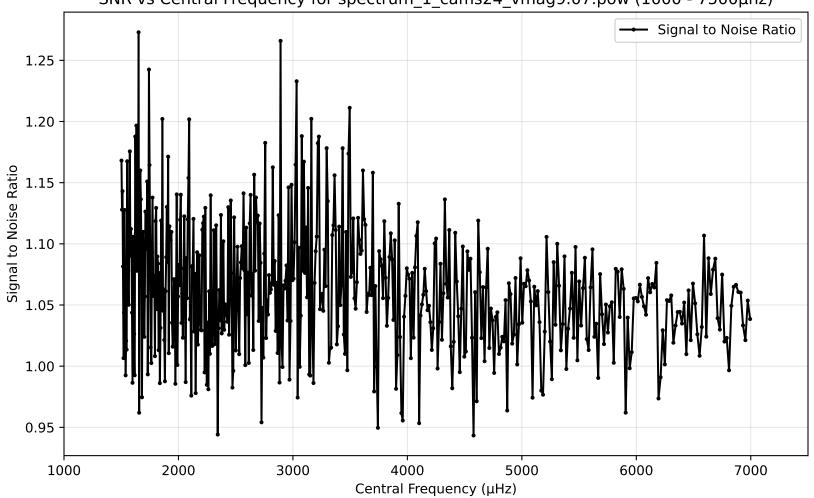
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag8.62.pow (1000 - 7500µhz)



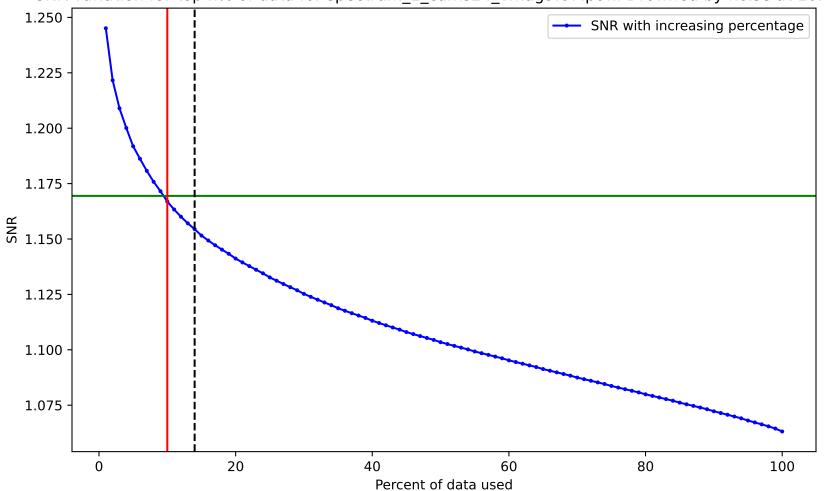
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag8.62.pow. Drowned by noise at 14.0%.



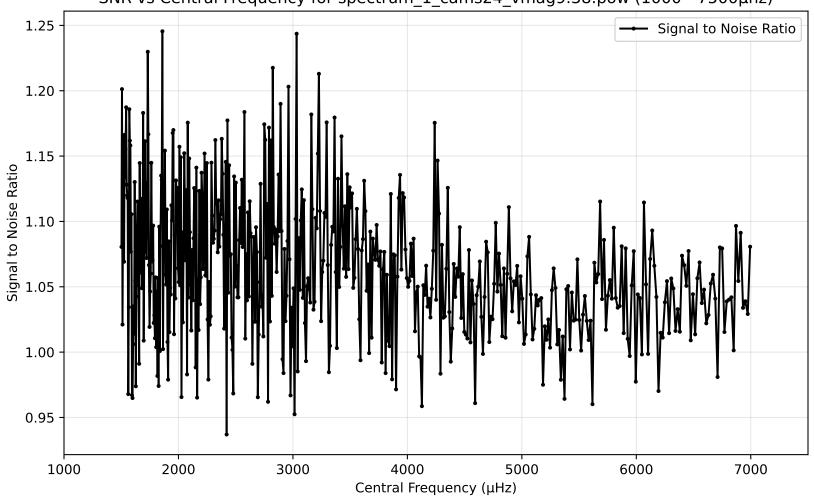
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.07.pow (1000 - 7500µhz)



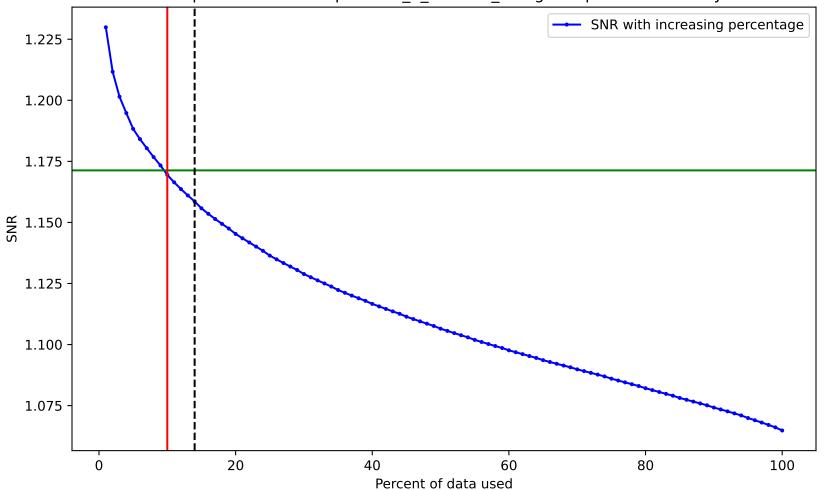
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.07.pow. Drowned by noise at 10.0%.



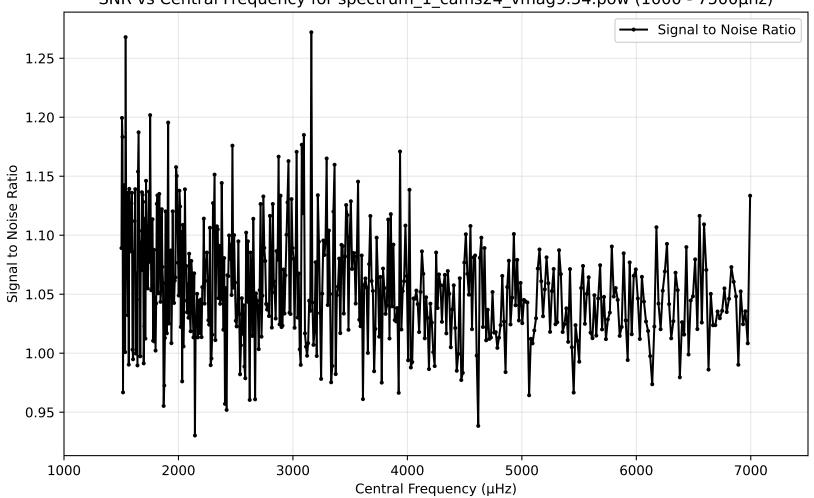
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.38.pow (1000 - 7500µhz)



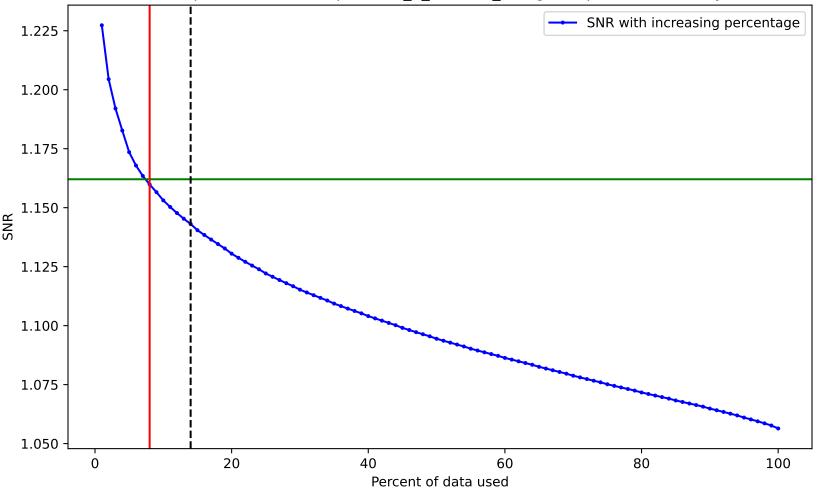
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.38.pow. Drowned by noise at 10.0%.



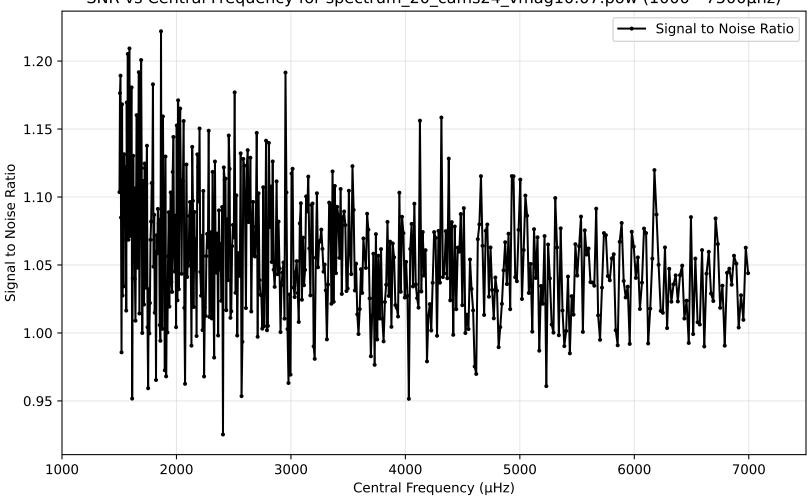
SNR vs Central Frequency for spectrum\_1\_cams24\_vmag9.54.pow (1000 - 7500µhz)



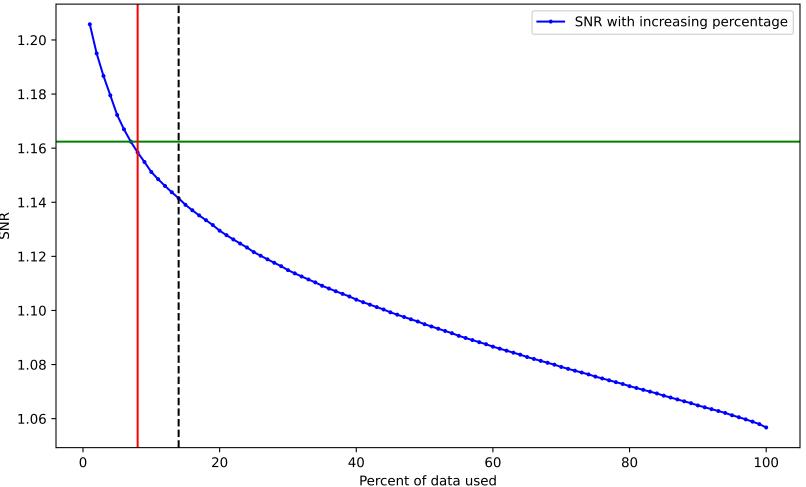
SNR variation for top n% of data for spectrum\_1\_cams24\_vmag9.54.pow. Drowned by noise at 8.0%.



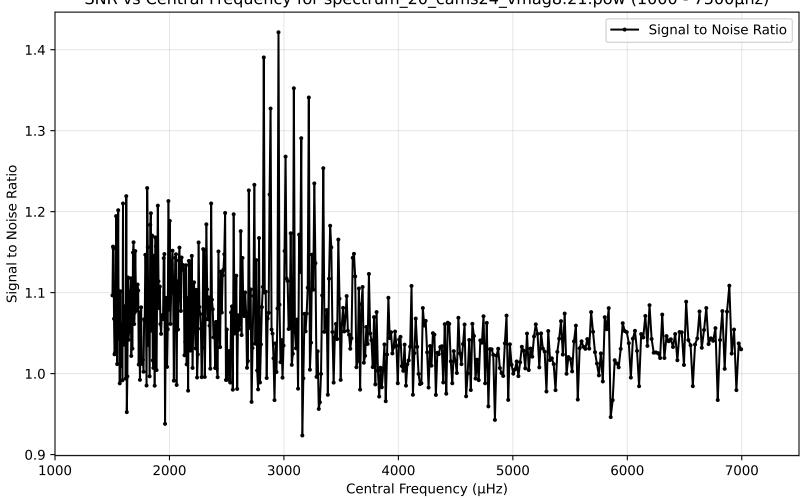
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag10.07.pow (1000 - 7500µhz)



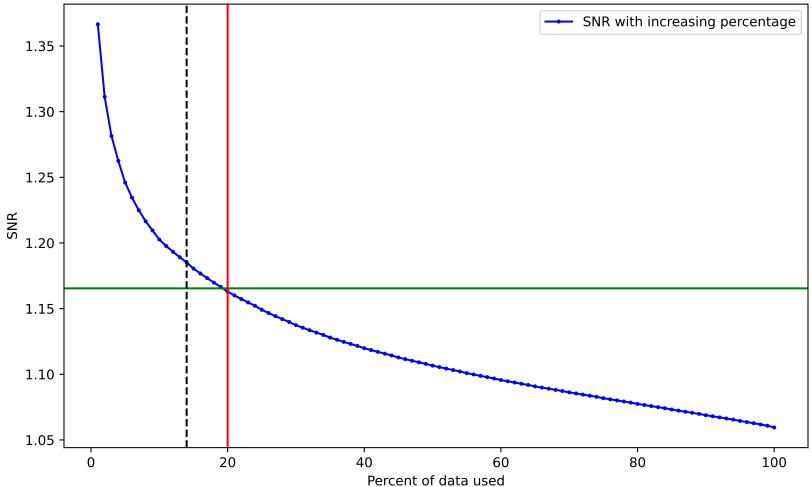
SNR variation for top n% of data for spectrum\_20\_cams24\_vmag10.07.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag8.21.pow (1000 - 7500µhz)

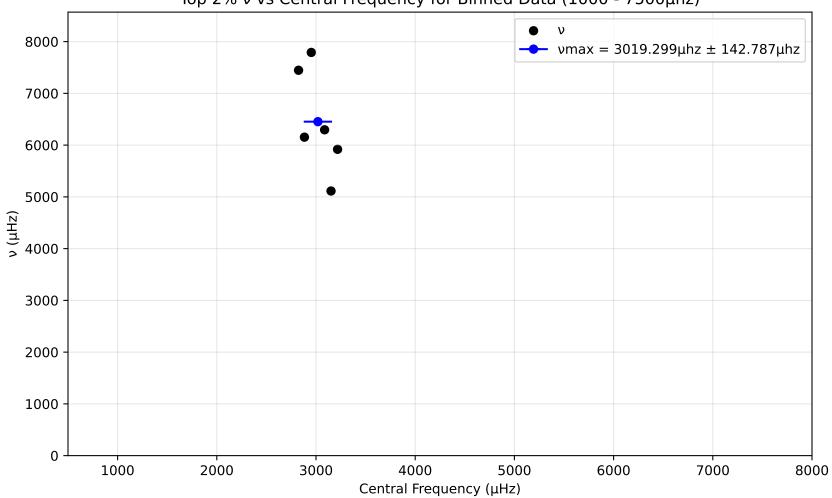


SNR variation for top n% of data for spectrum\_20\_cams24\_vmag8.21.pow. Drowned by noise at 20.0%.

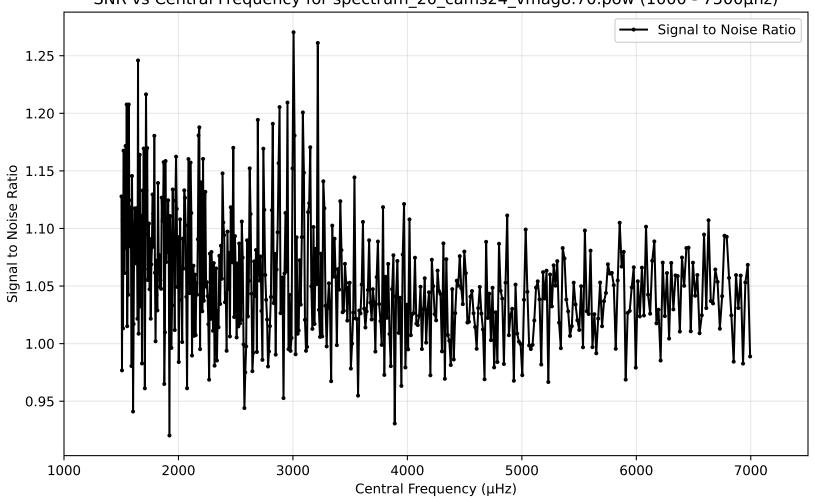


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) Central Frequency (µHz)

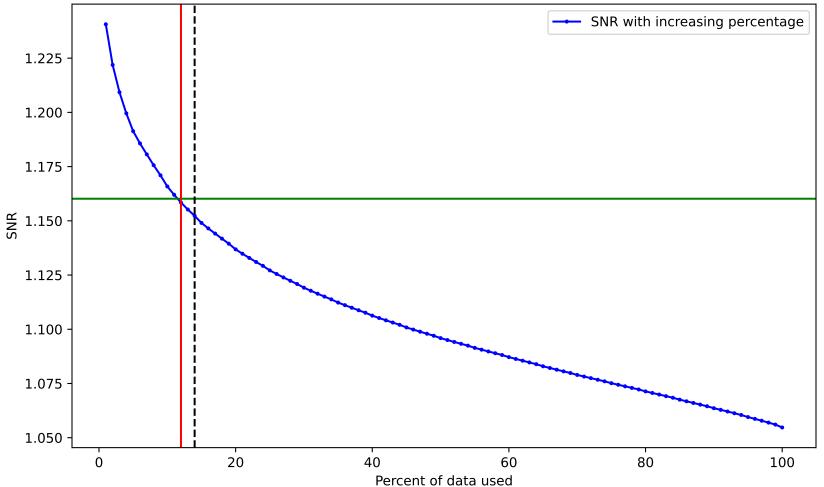
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



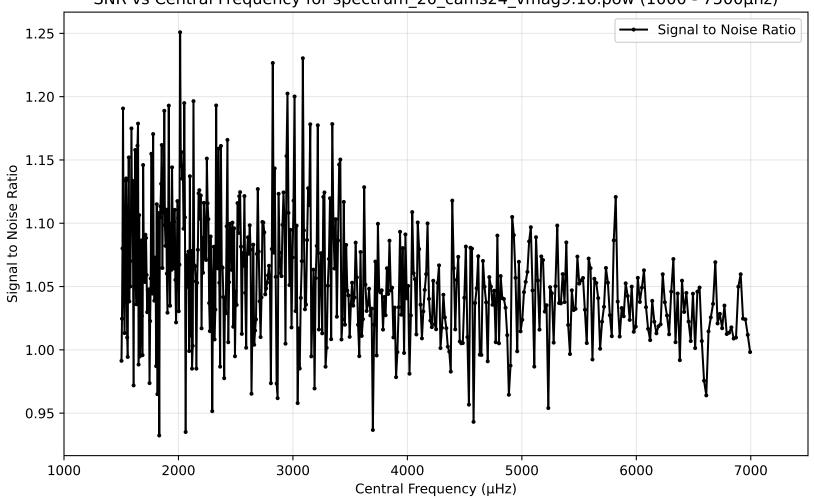
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag8.70.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_20\_cams24\_vmag8.70.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag9.16.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_20\_cams24\_vmag9.16.pow. Drowned by noise at 10.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 -1.050

40

60

Percent of data used

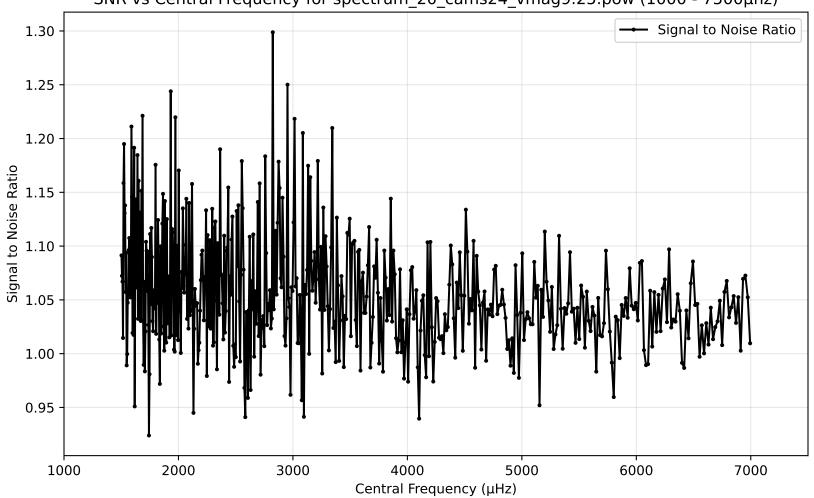
80

100

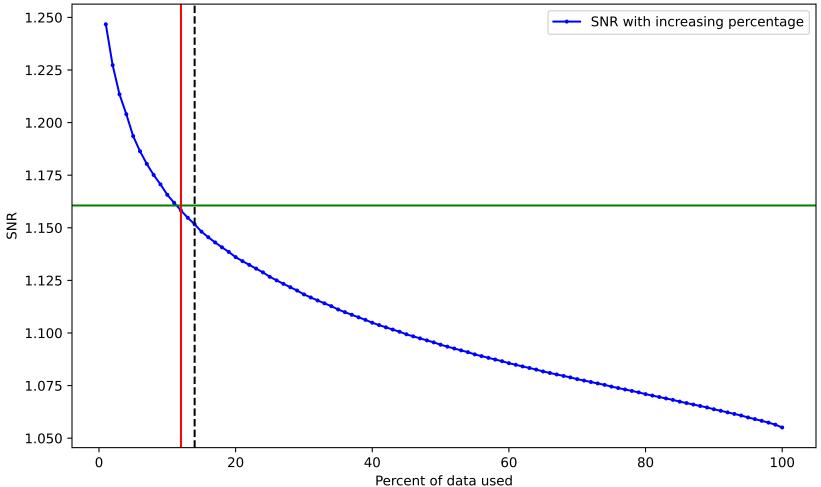
20

SNR

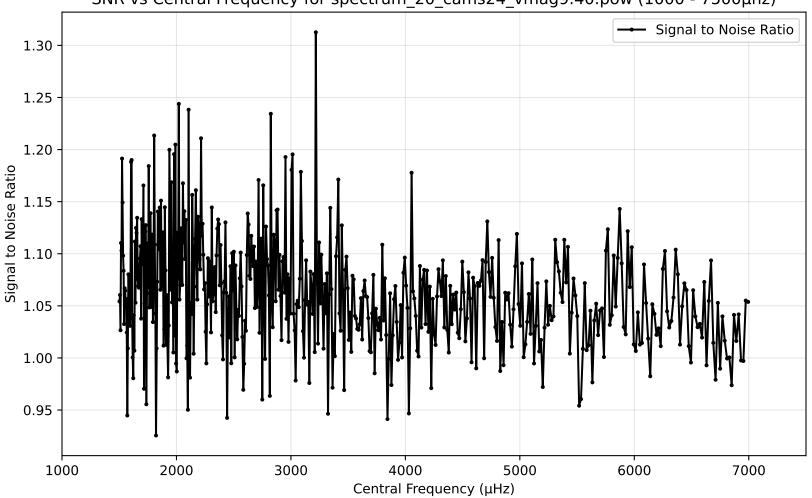
SNR vs Central Frequency for spectrum\_20\_cams24\_vmag9.25.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_20\_cams24\_vmag9.25.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_20\_cams24\_vmag9.40.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_20\_cams24\_vmag9.40.pow. Drowned by noise at 10.0%. 1.250 -SNR with increasing percentage 1.225 1.200 1.175 -WS 1.150 -1.125 1.100 1.075 -

40

60

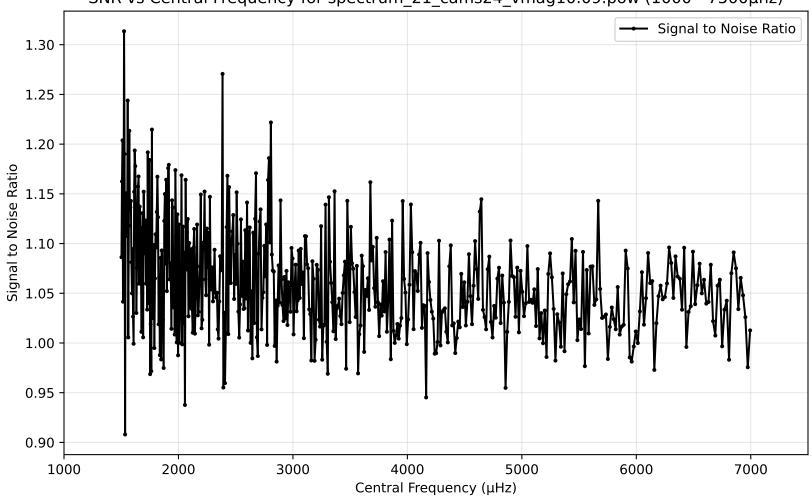
Percent of data used

80

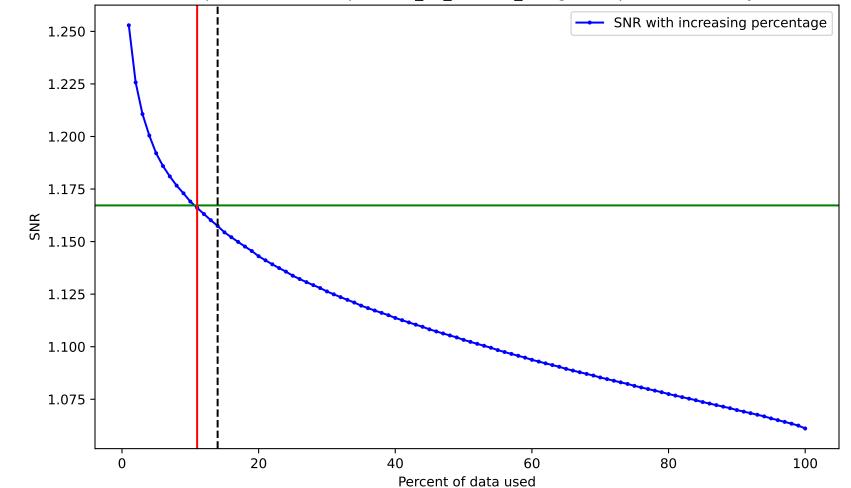
100

20

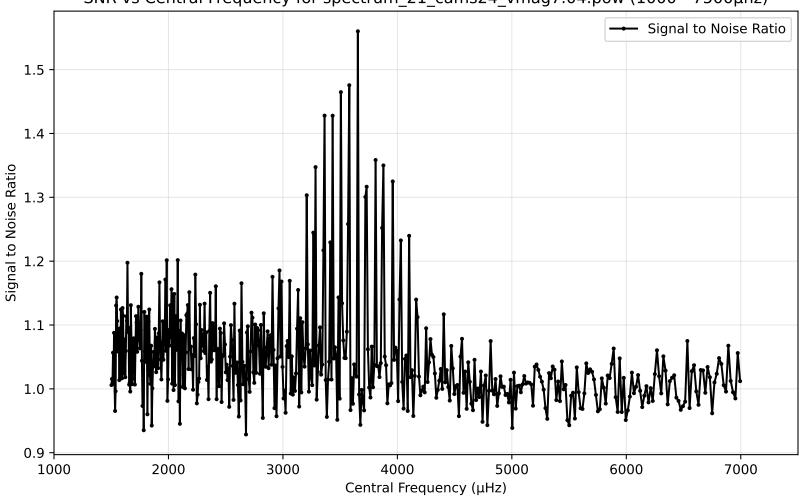
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag10.09.pow (1000 - 7500µhz)



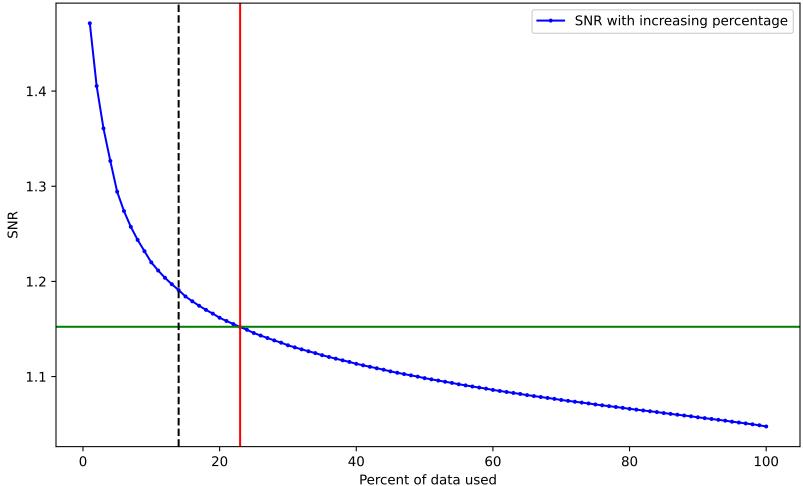
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag10.09.pow. Drowned by noise at 11.0%.



SNR vs Central Frequency for spectrum\_21\_cams24\_vmag7.04.pow (1000 - 7500µhz)

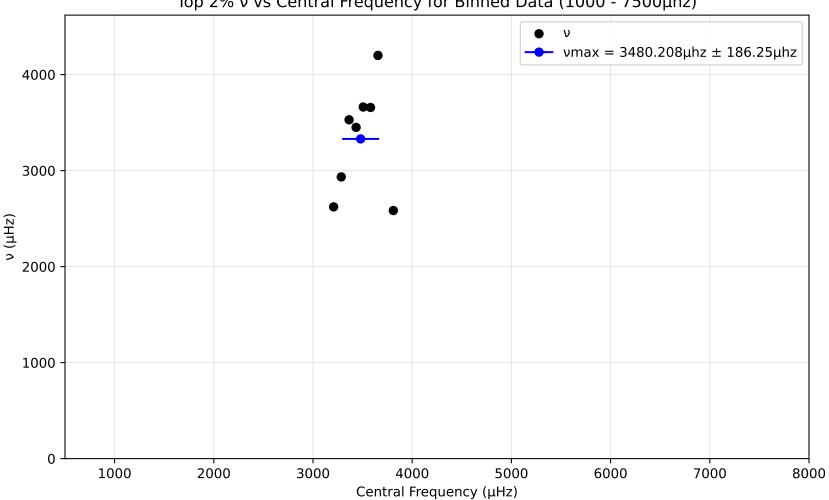


SNR variation for top n% of data for spectrum\_21\_cams24\_vmag7.04.pow. Drowned by noise at 23.0%.



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

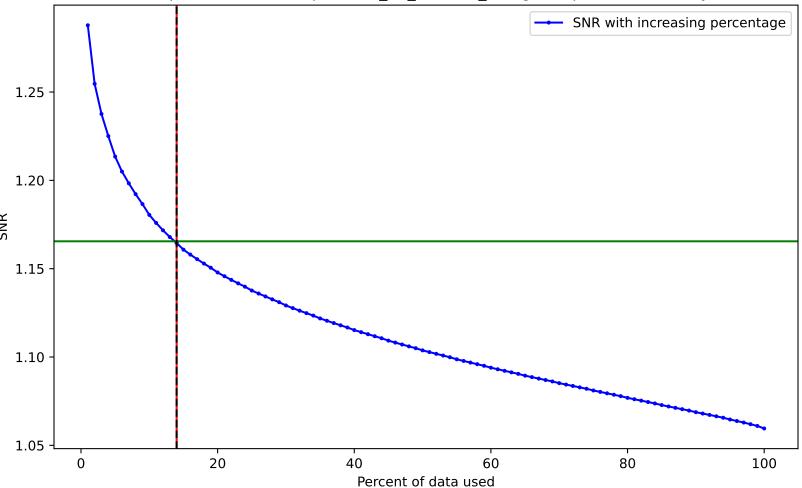
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



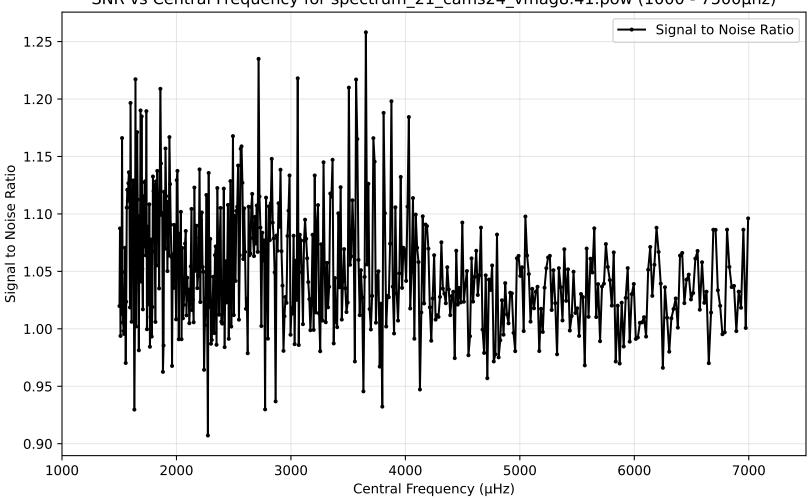
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag8.15.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.2 1.1 1.0 0.9 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

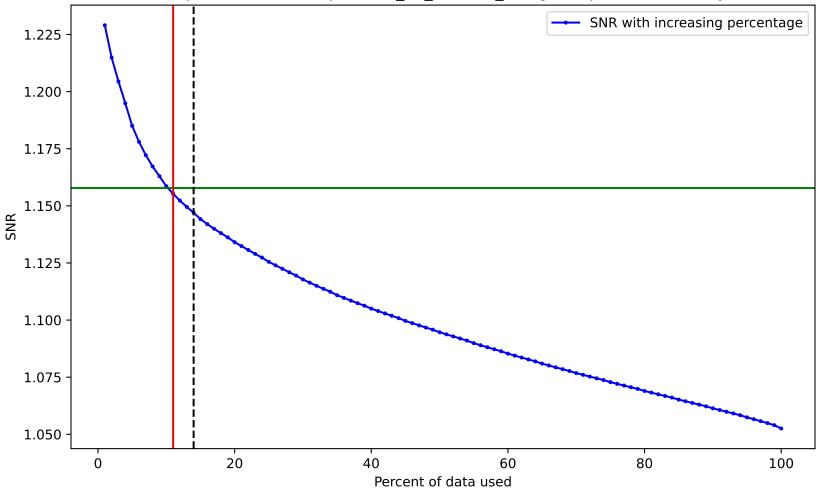
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag8.15.pow. Drowned by noise at 14.0%.



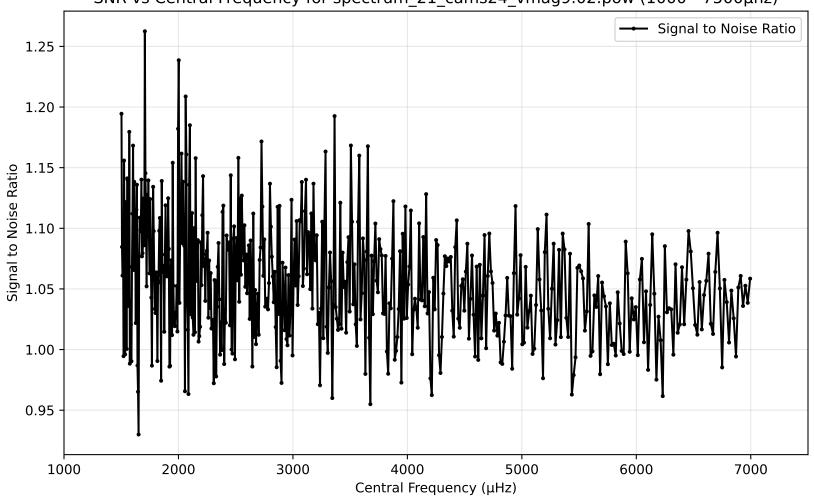
SNR vs Central Frequency for spectrum\_21\_cams24\_vmag8.41.pow (1000 - 7500µhz)



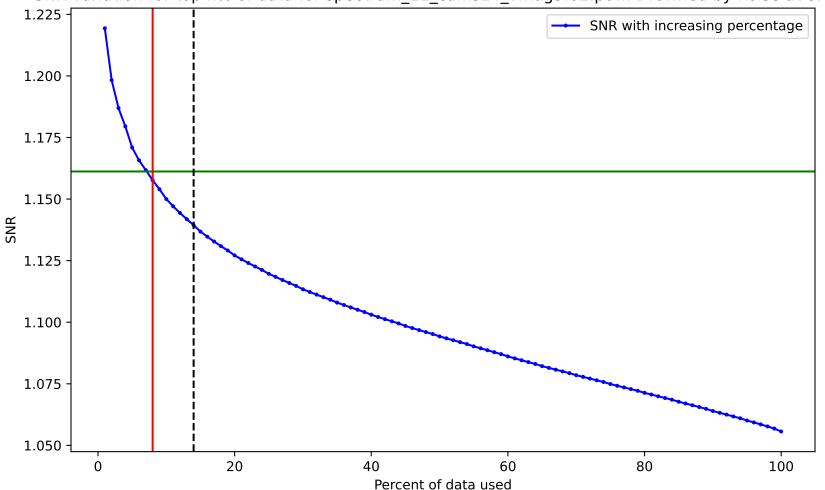
SNR variation for top n% of data for spectrum\_21\_cams24\_vmag8.41.pow. Drowned by noise at 11.0%.

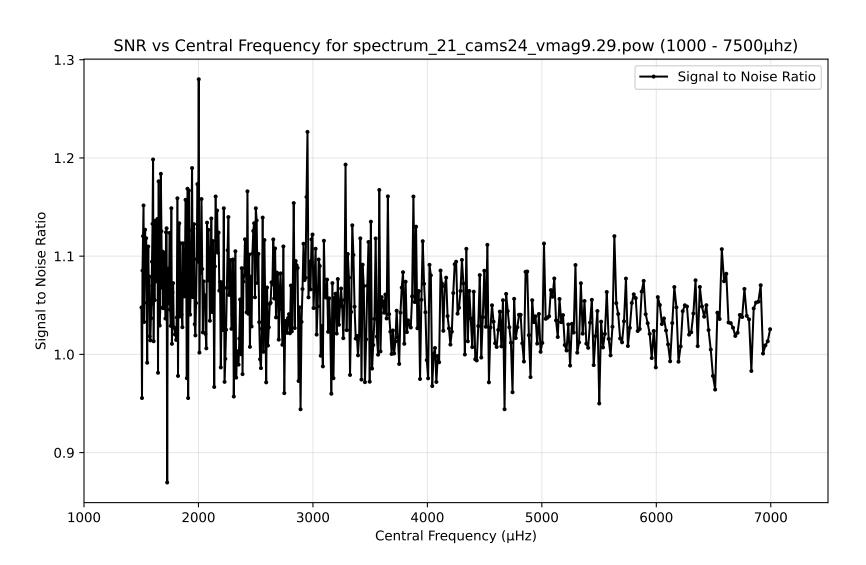


SNR vs Central Frequency for spectrum\_21\_cams24\_vmag9.02.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.02.pow. Drowned by noise at 8.0%.



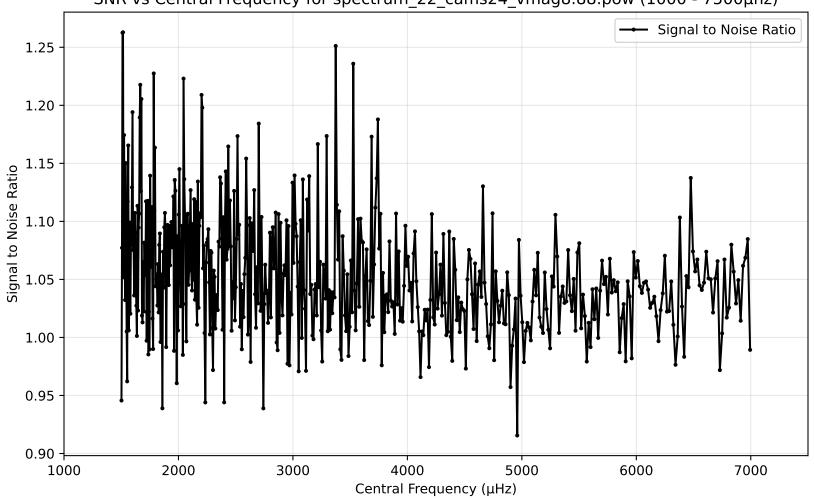


SNR variation for top n% of data for spectrum\_21\_cams24\_vmag9.29.pow. Drowned by noise at 8.0%. 1.225 -SNR with increasing percentage 1.200 1.175 1.150 -1.125 1.100 1.075 1.050 -20 40 60 80 100

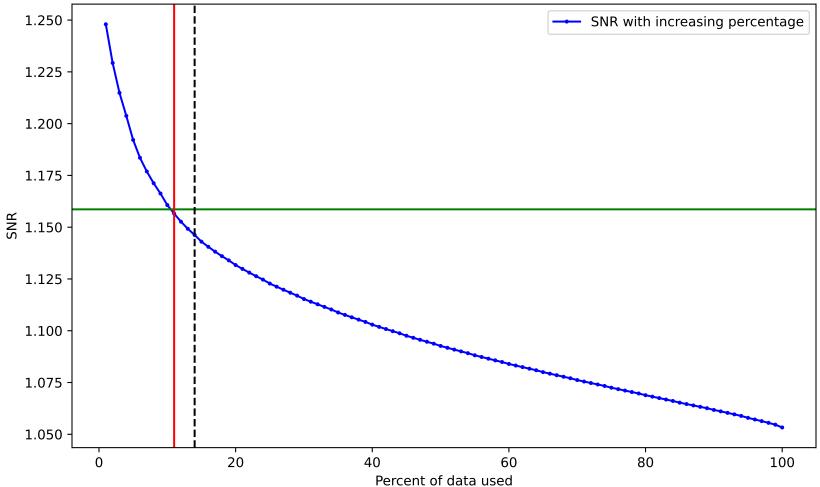
Percent of data used

SNR

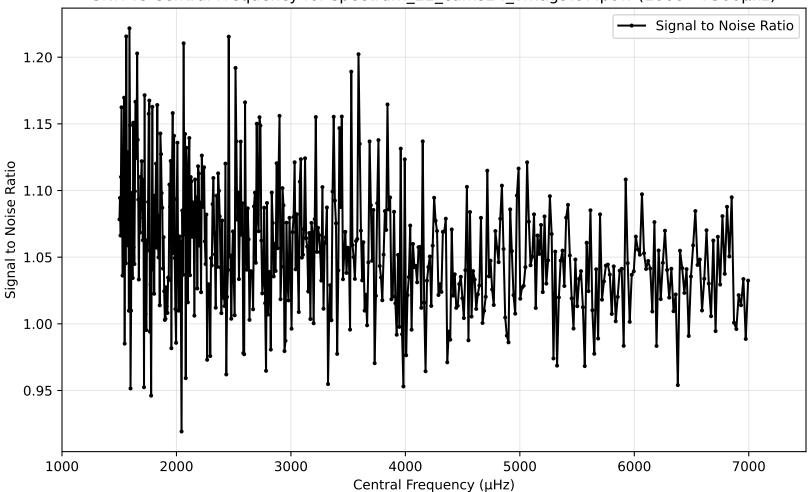
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag8.88.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_22\_cams24\_vmag8.88.pow. Drowned by noise at 11.0%.



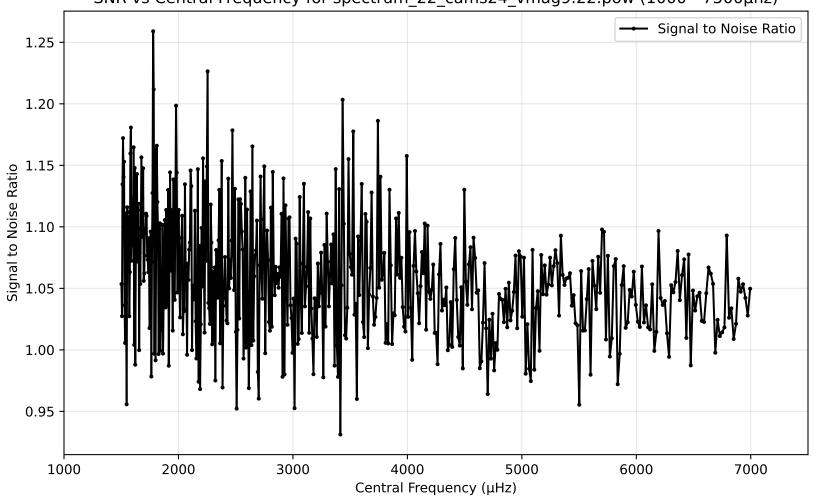
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.07.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.07.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

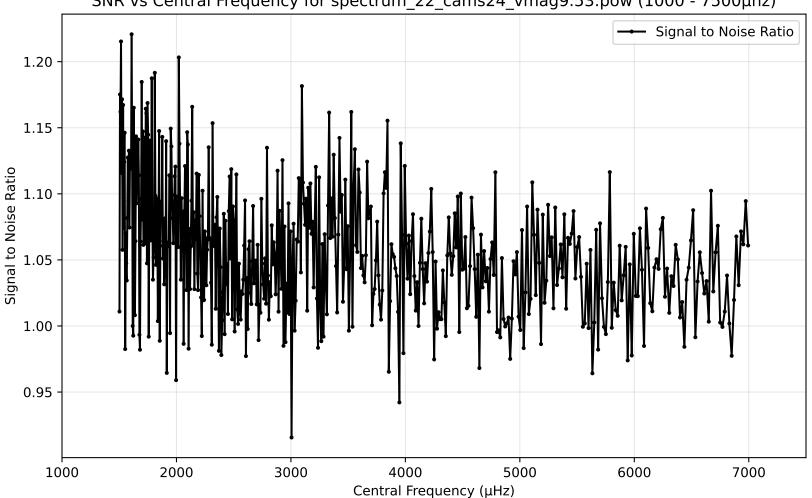
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.22.pow (1000 - 7500µhz)



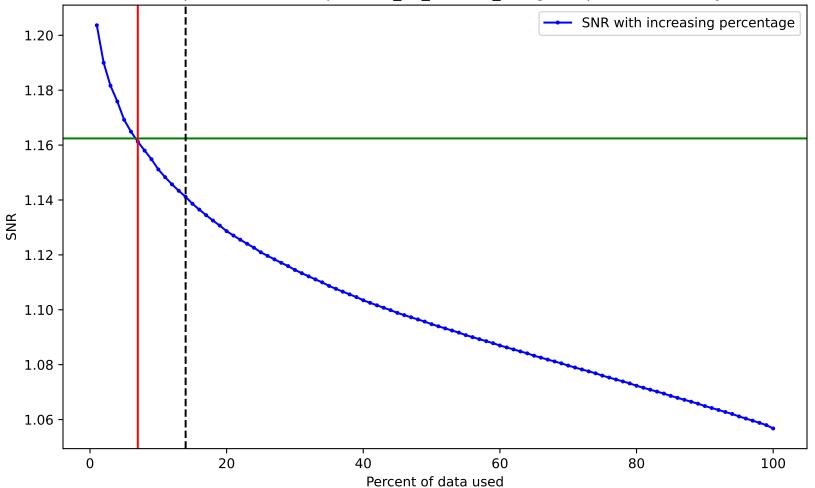
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.22.pow. Drowned by noise at 8.0%. SNR with increasing percentage 1.22 1.20 1.18 1.16 ₩ 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100 0

Percent of data used

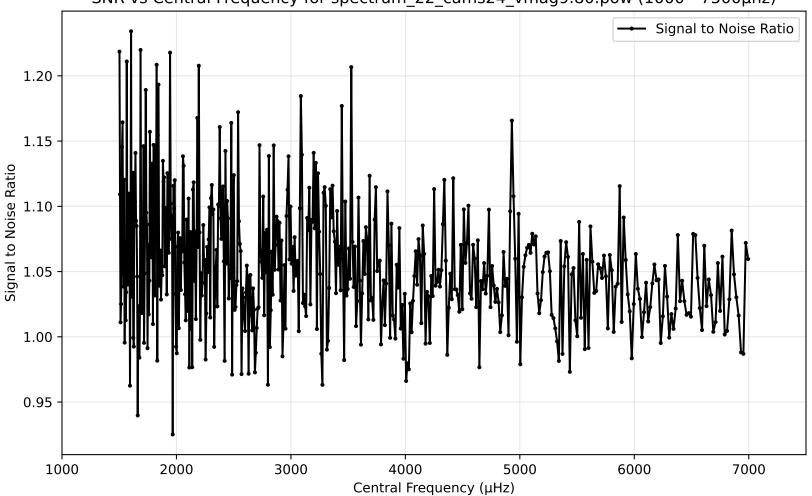
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.53.pow (1000 - 7500µhz)



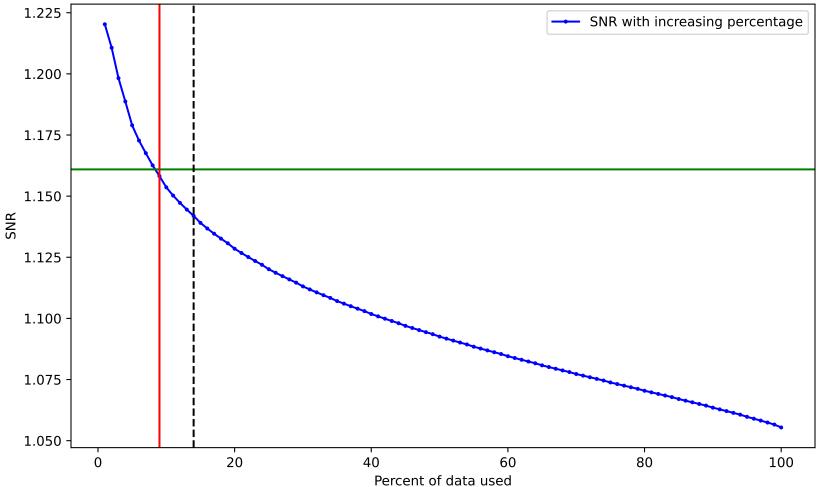
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.53.pow. Drowned by noise at 7.0%.



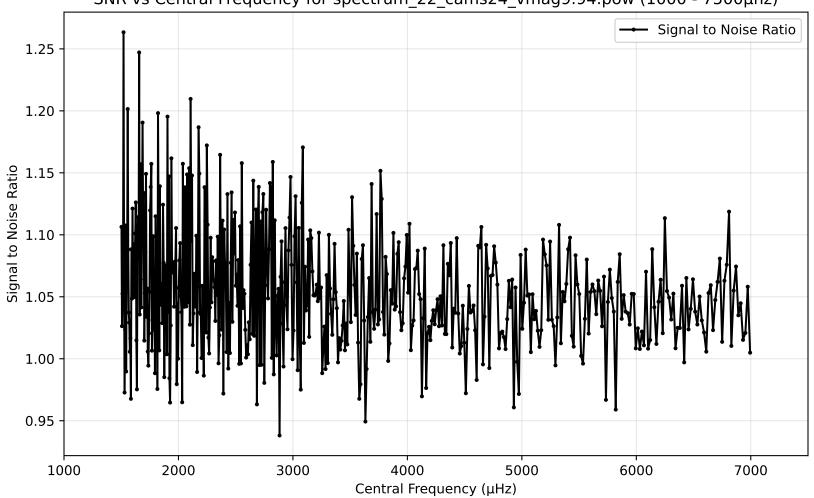
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.80.pow (1000 - 7500µhz)



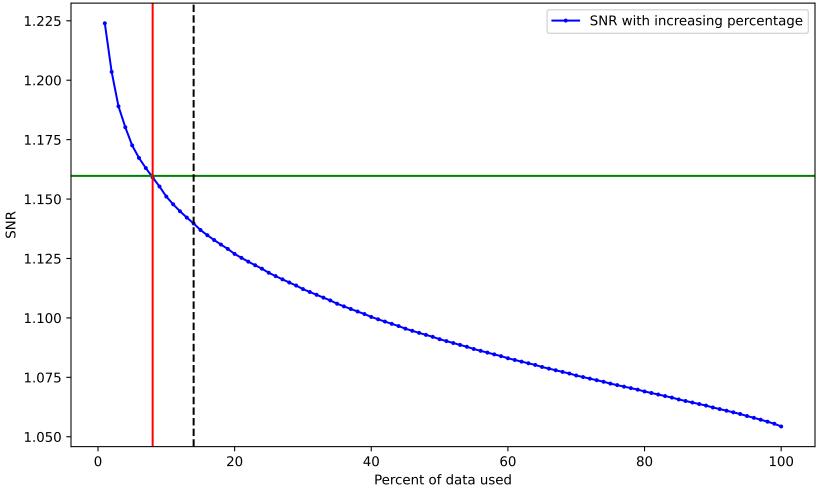
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.80.pow. Drowned by noise at 9.0%.



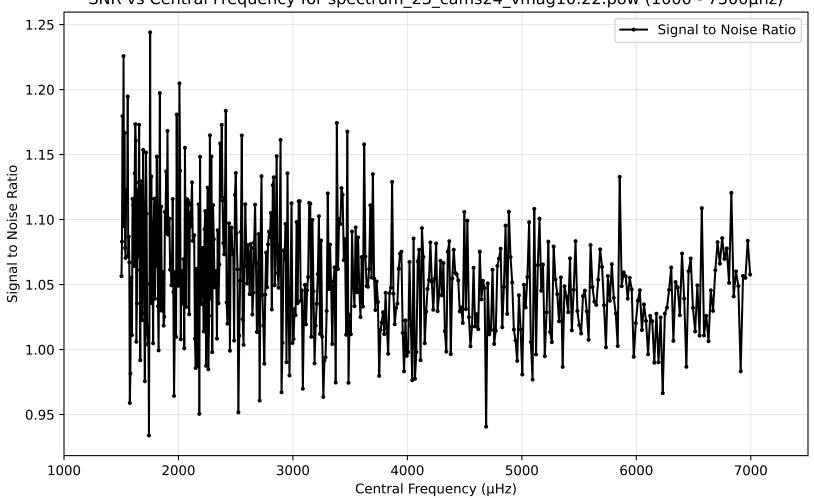
SNR vs Central Frequency for spectrum\_22\_cams24\_vmag9.94.pow (1000 - 7500µhz)

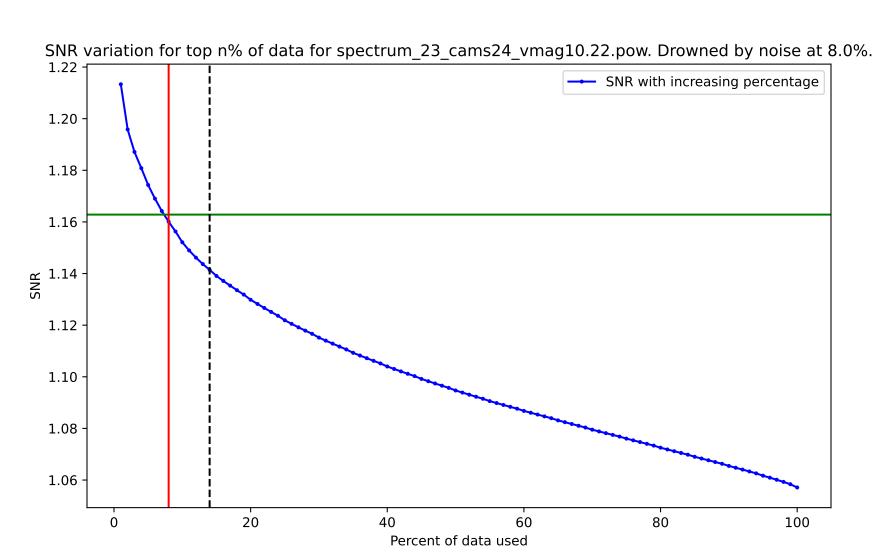


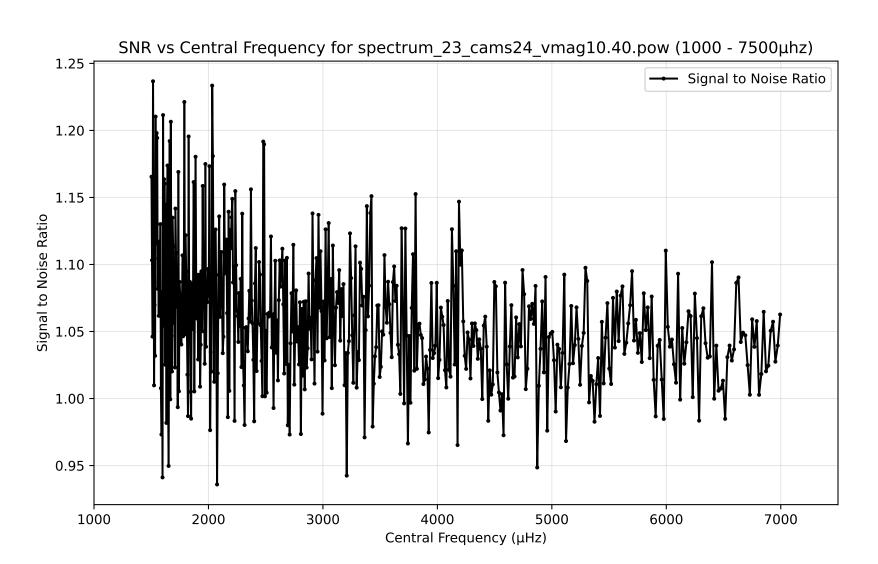
SNR variation for top n% of data for spectrum\_22\_cams24\_vmag9.94.pow. Drowned by noise at 8.0%.



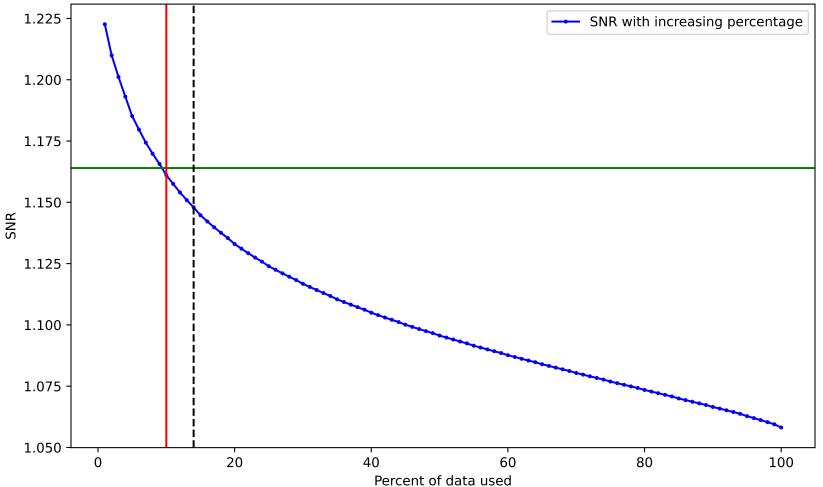
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag10.22.pow (1000 - 7500µhz)



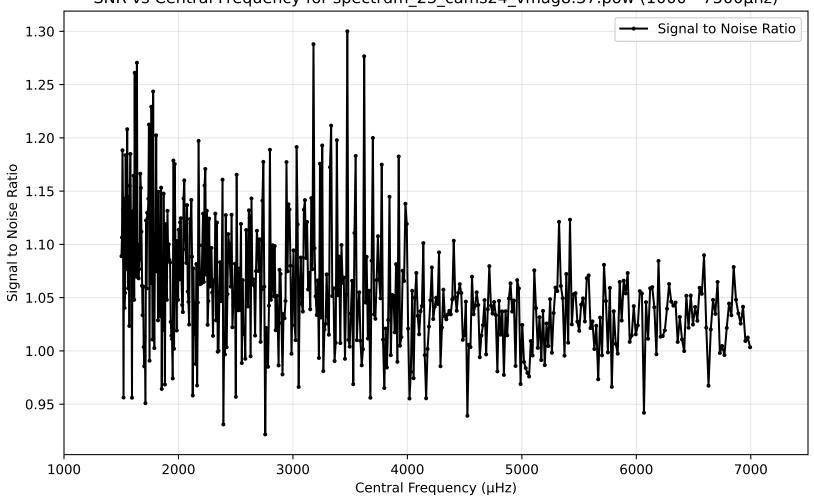




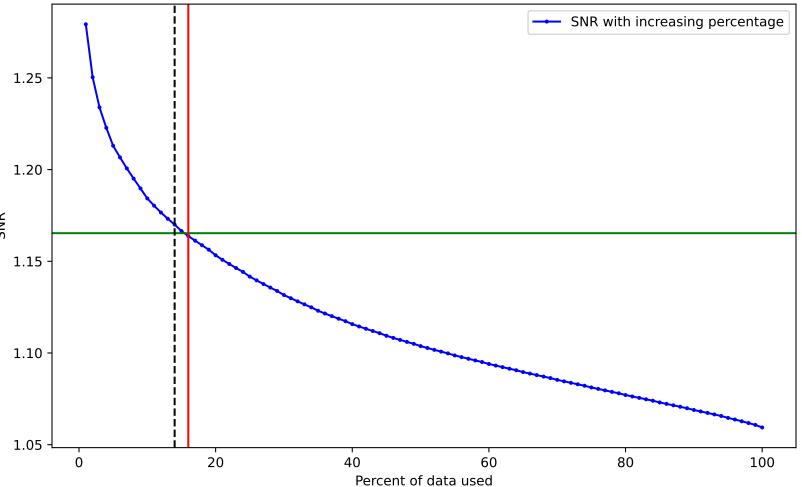
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag10.40.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.37.pow (1000 - 7500µhz)



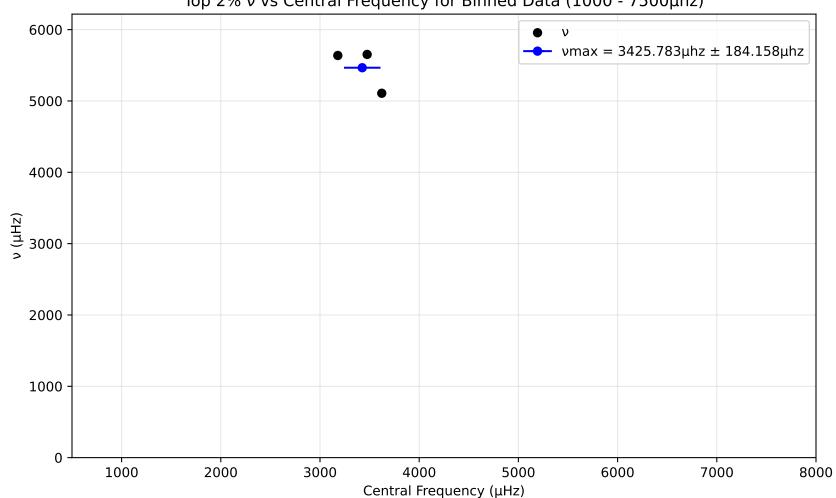
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.37.pow. Drowned by noise at 16.0%.



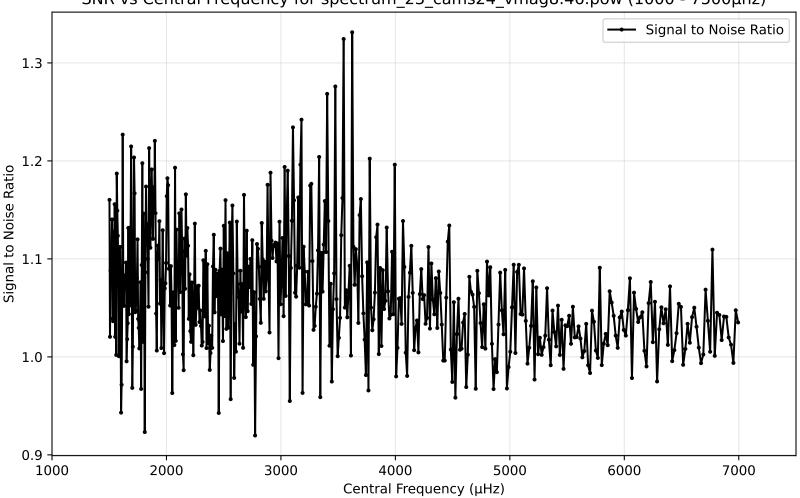
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -2000 

Central Frequency (µHz)

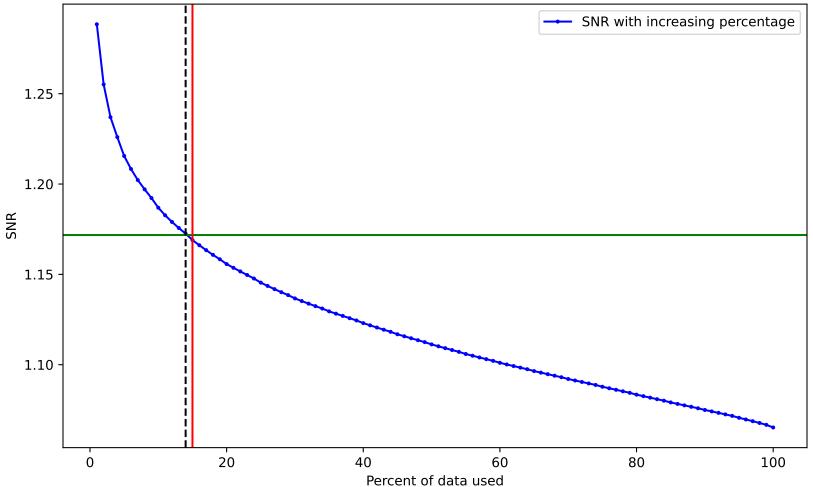
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

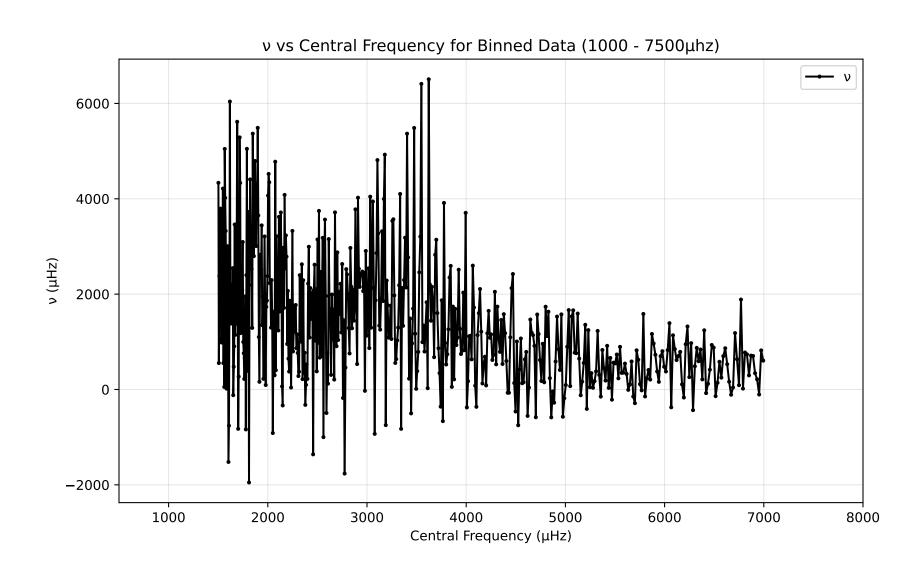


SNR vs Central Frequency for spectrum\_23\_cams24\_vmag8.46.pow (1000 - 7500µhz)

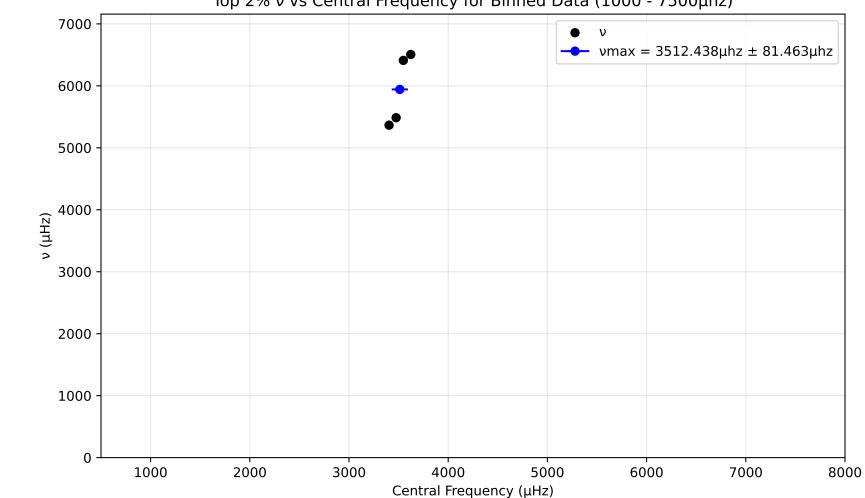


SNR variation for top n% of data for spectrum\_23\_cams24\_vmag8.46.pow. Drowned by noise at 15.0%.

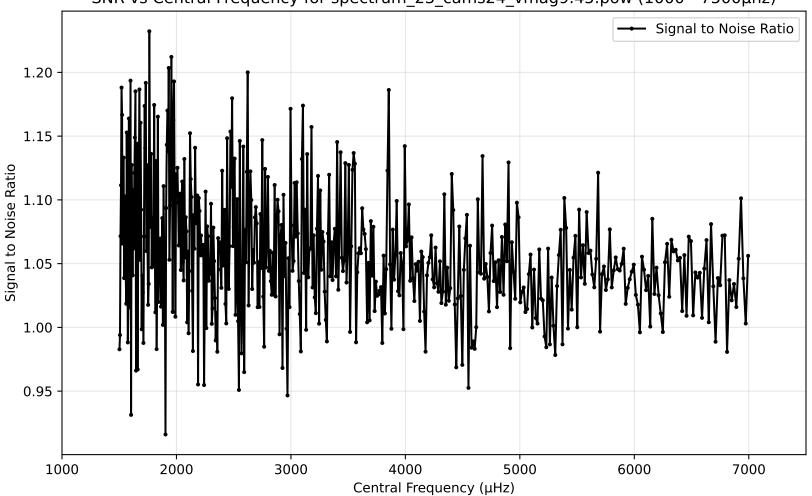




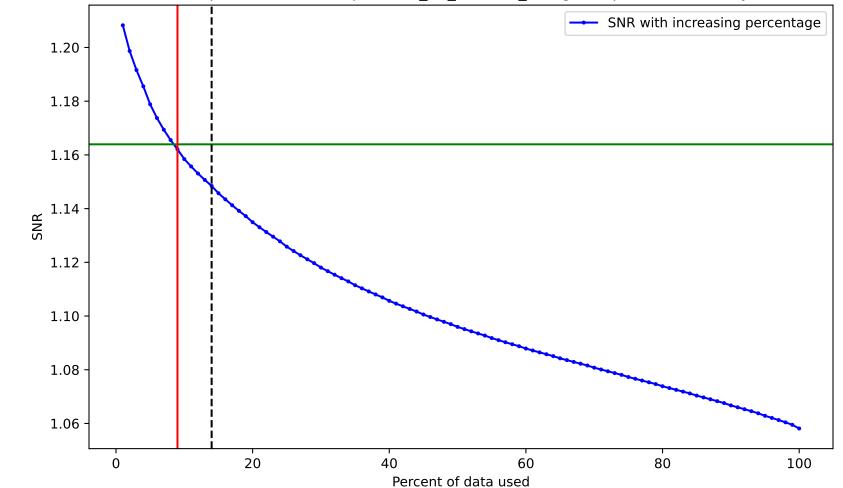
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



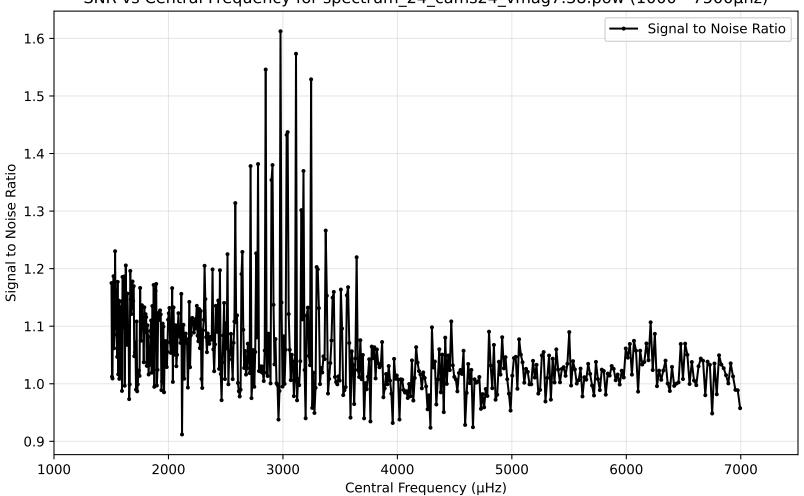
SNR vs Central Frequency for spectrum\_23\_cams24\_vmag9.45.pow (1000 - 7500µhz)



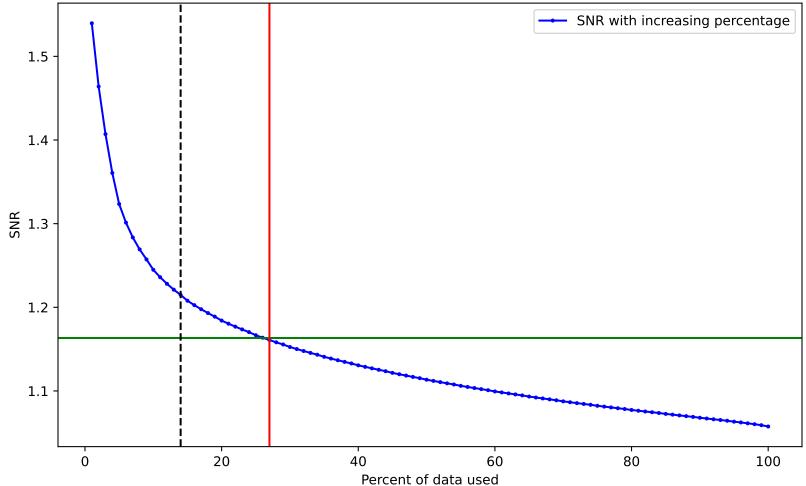
SNR variation for top n% of data for spectrum\_23\_cams24\_vmag9.45.pow. Drowned by noise at 9.0%.



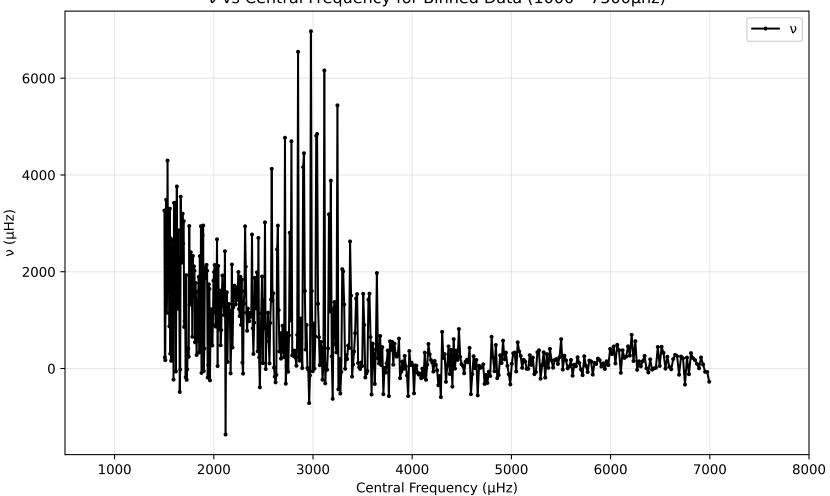
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag7.38.pow (1000 - 7500µhz)



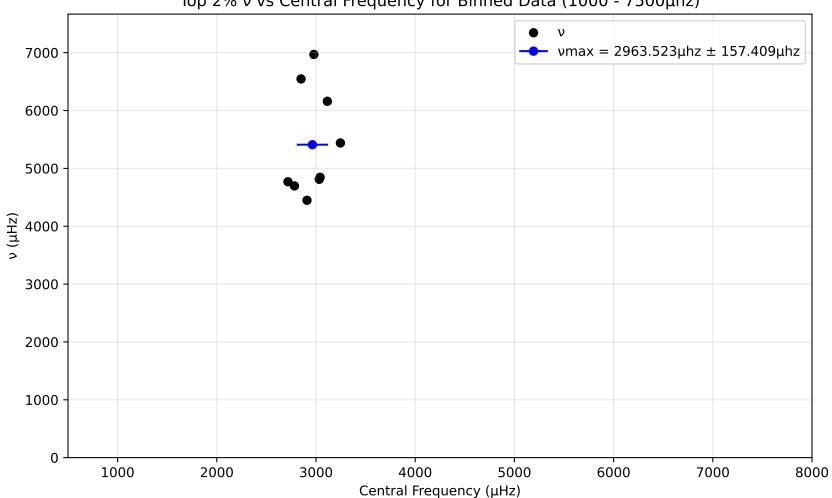
SNR variation for top n% of data for spectrum\_24\_cams24\_vmag7.38.pow. Drowned by noise at 27.0%.



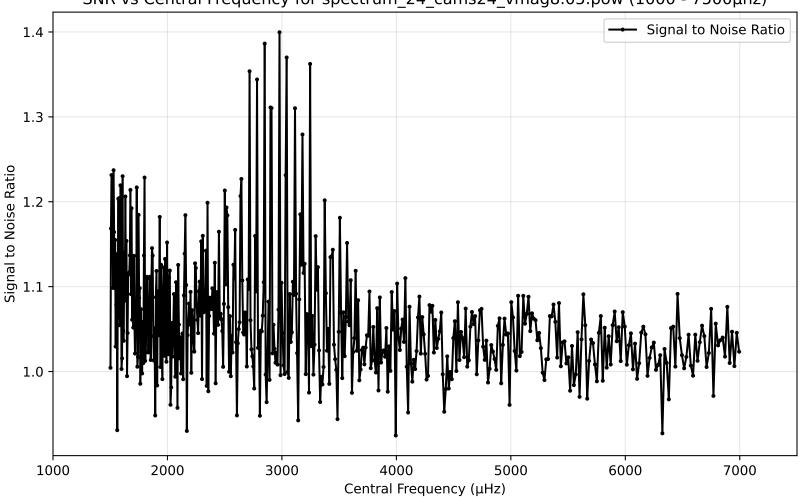
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



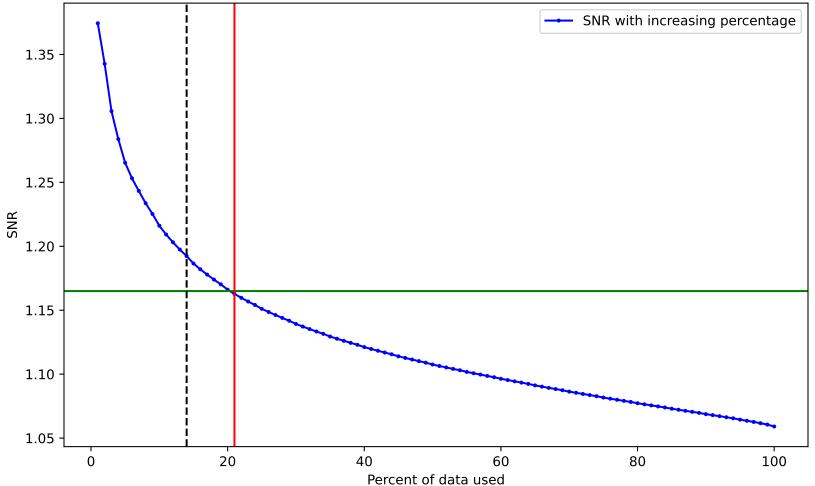
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.05.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.05.pow. Drowned by noise at 21.0%.

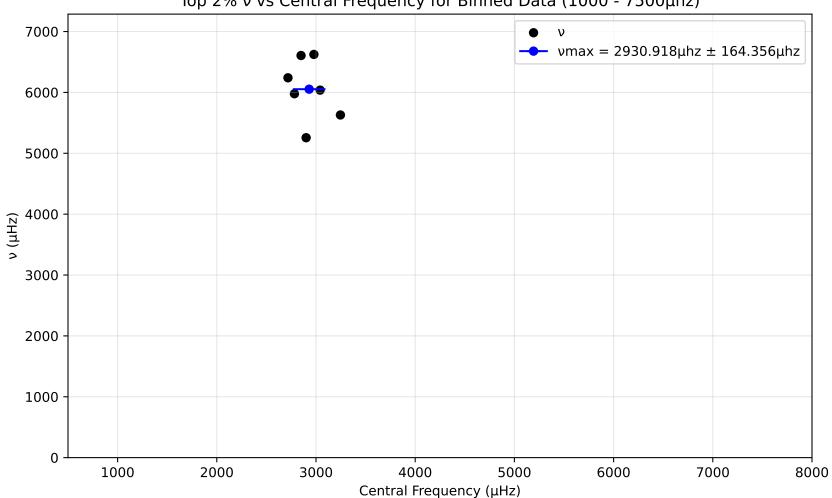


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) 

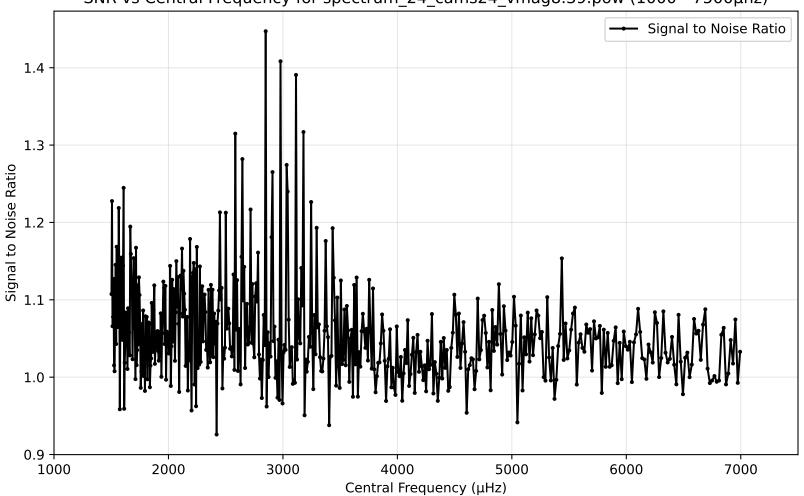
Central Frequency (µHz)

-2000

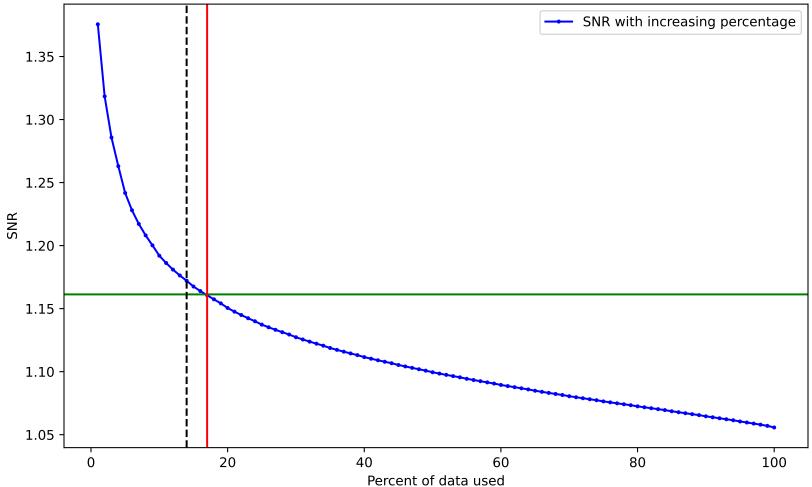
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

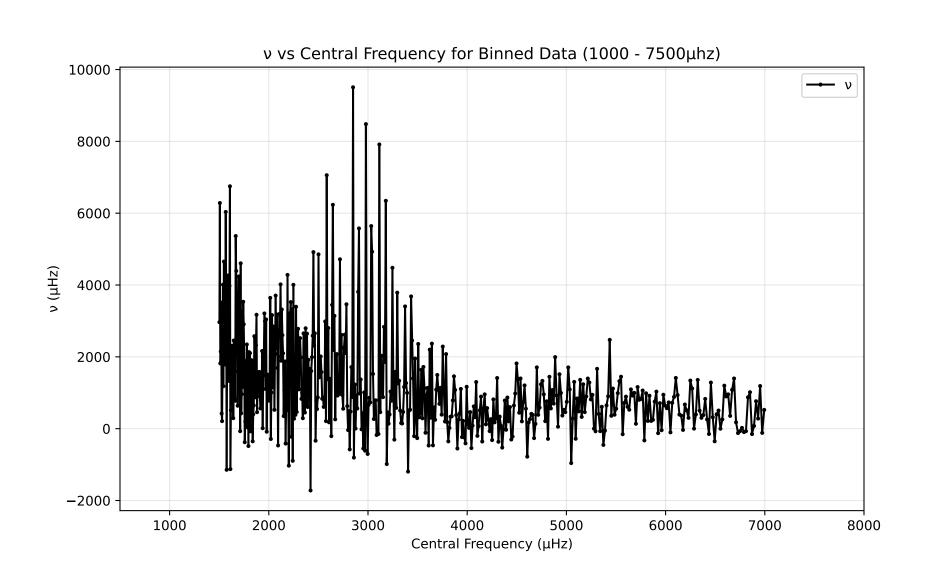


SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.39.pow (1000 - 7500µhz)

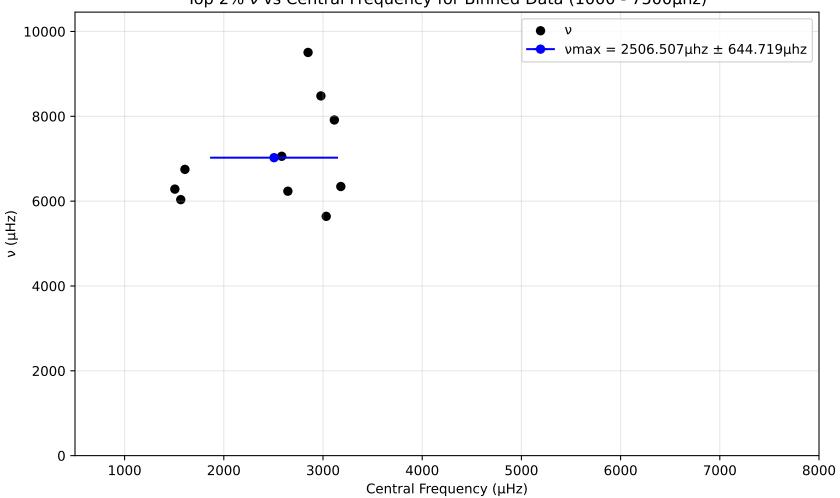


SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.39.pow. Drowned by noise at 17.0%.

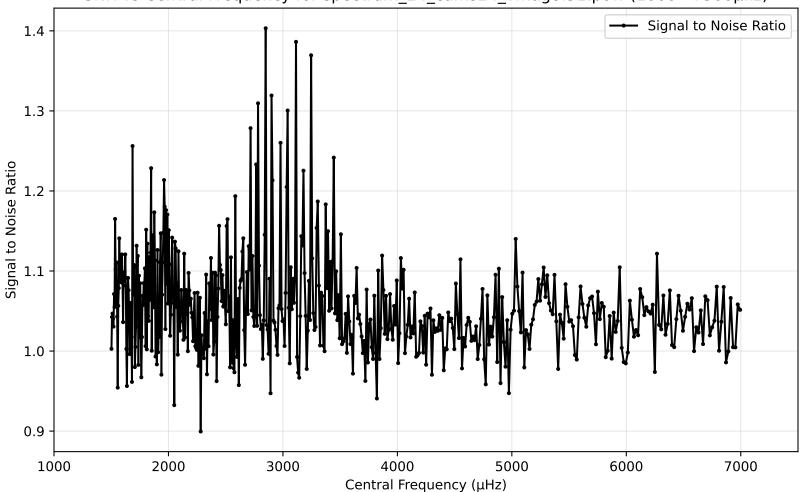




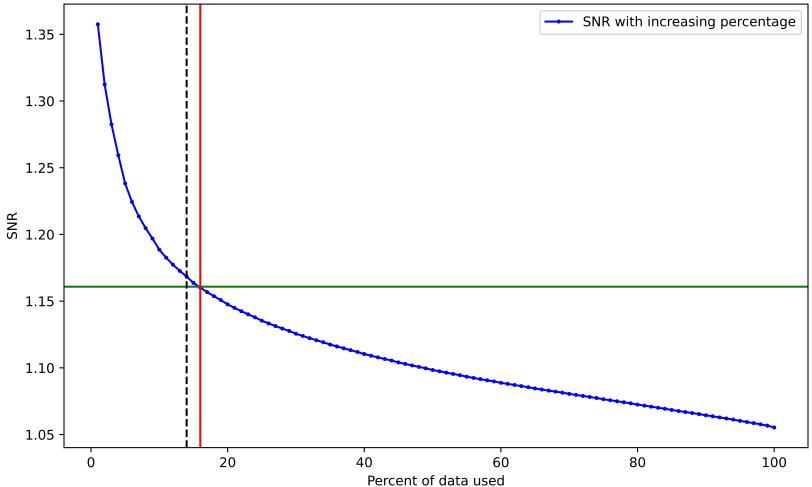
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.51.pow (1000 - 7500µhz)



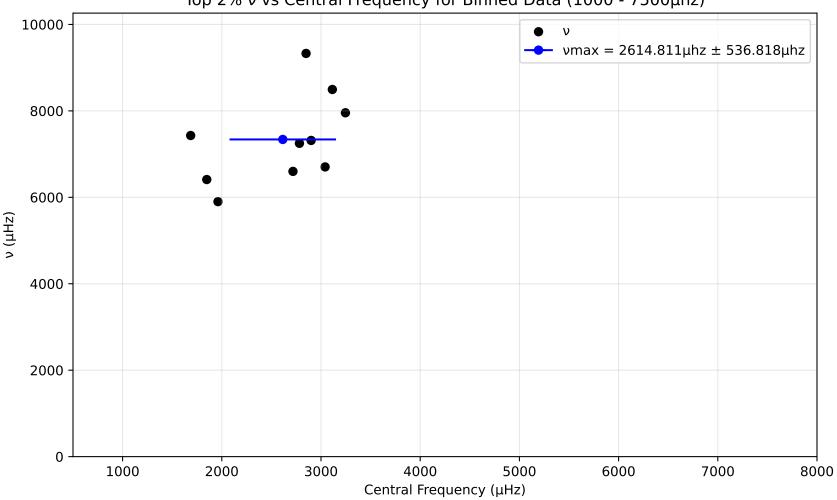
SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.51.pow. Drowned by noise at 16.0%.



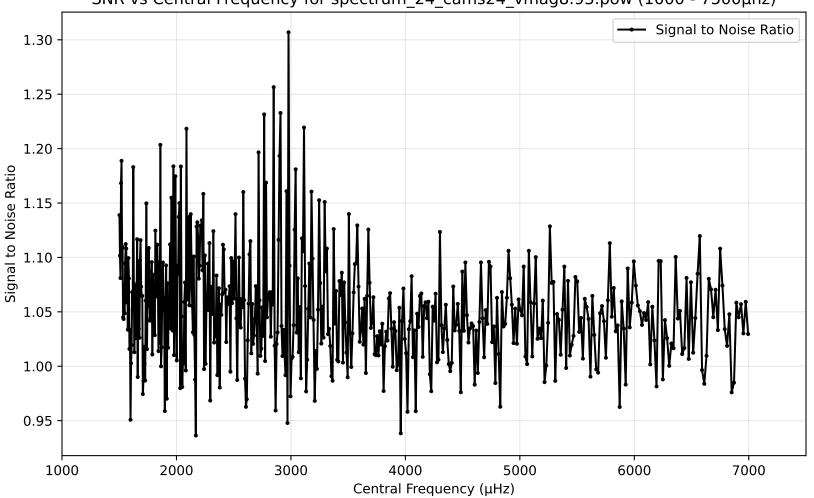
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -2000 

Central Frequency (µHz)

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



SNR vs Central Frequency for spectrum\_24\_cams24\_vmag8.93.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_24\_cams24\_vmag8.93.pow. Drowned by noise at 10.0%. SNR with increasing percentage 1.250 1.225 1.200 1.175 NS 1.150 -1.125 1.100 1.075 1.050 -

60

Percent of data used

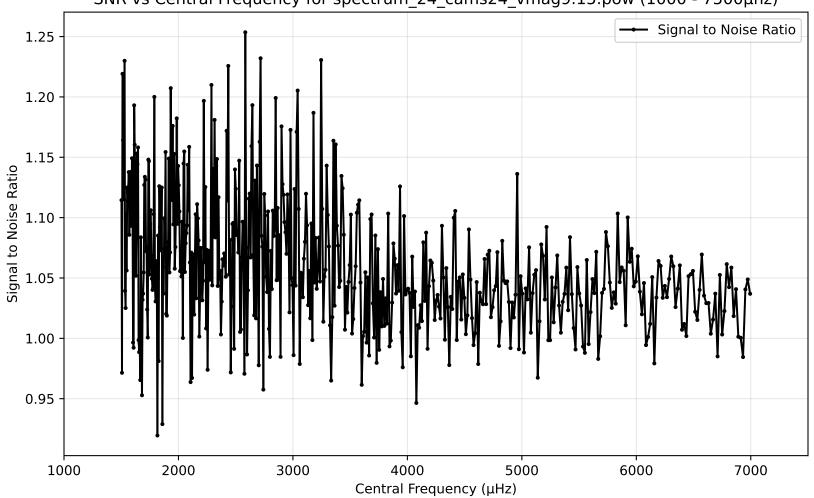
80

100

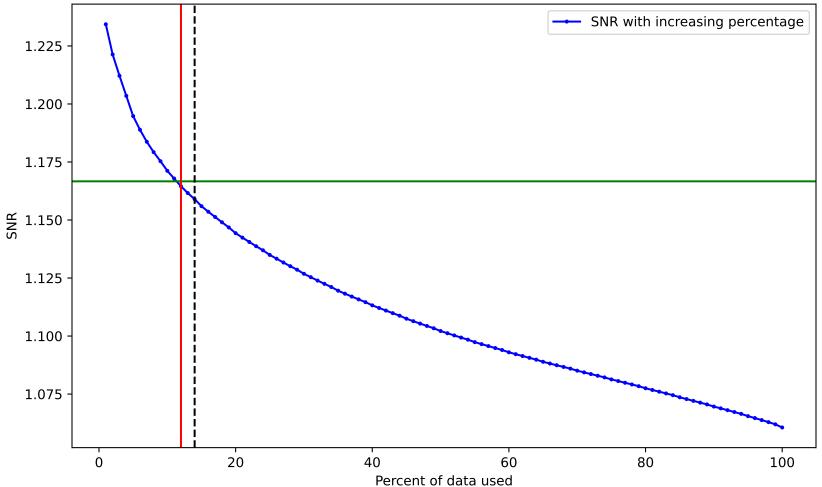
40

20

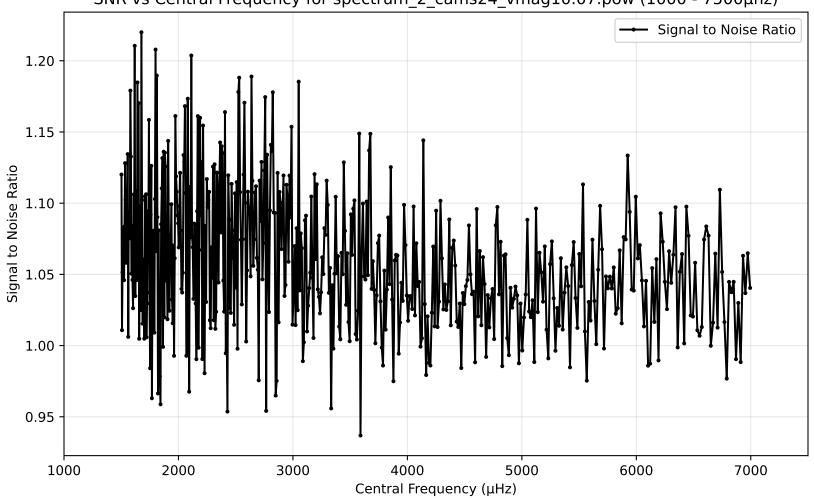
SNR vs Central Frequency for spectrum\_24\_cams24\_vmag9.15.pow (1000 - 7500µhz)



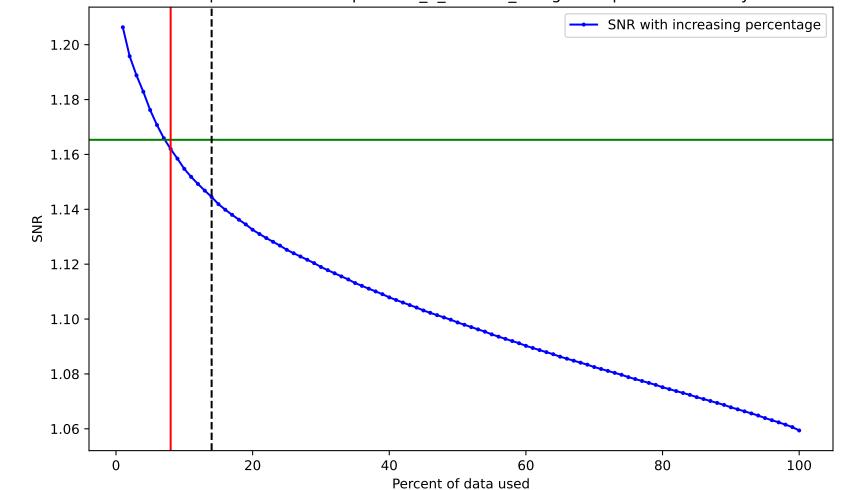
SNR variation for top n% of data for spectrum\_24\_cams24\_vmag9.15.pow. Drowned by noise at 12.0%.



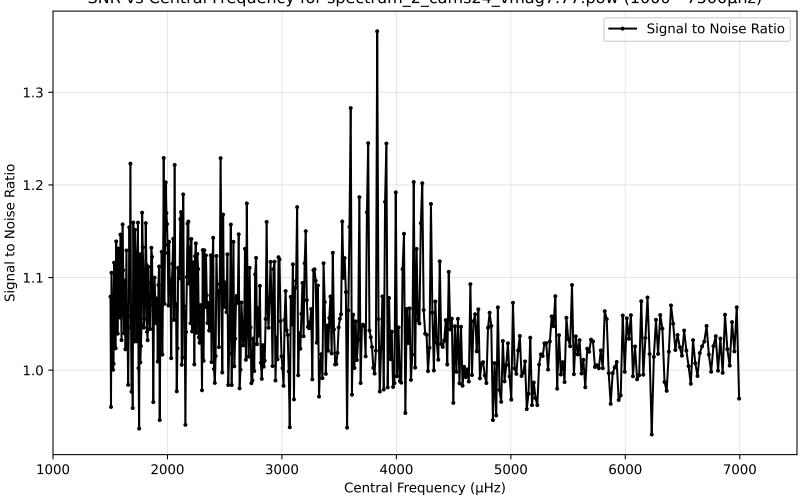
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag10.07.pow (1000 - 7500µhz)



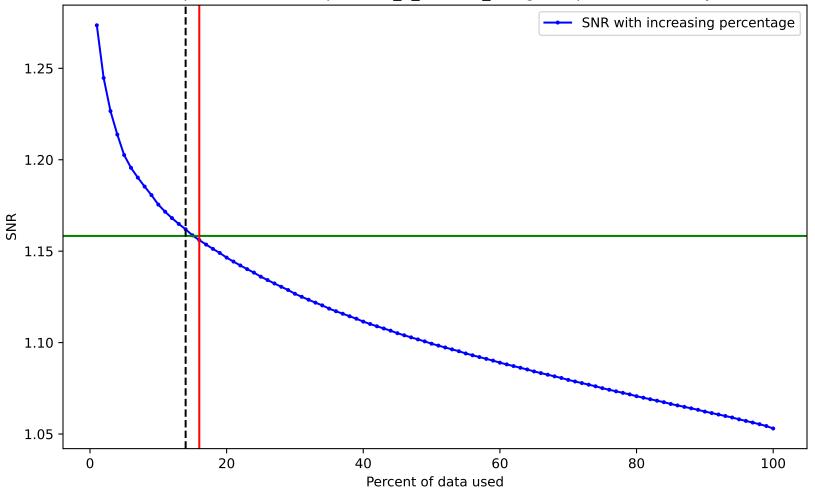
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag10.07.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag7.77.pow (1000 - 7500µhz)

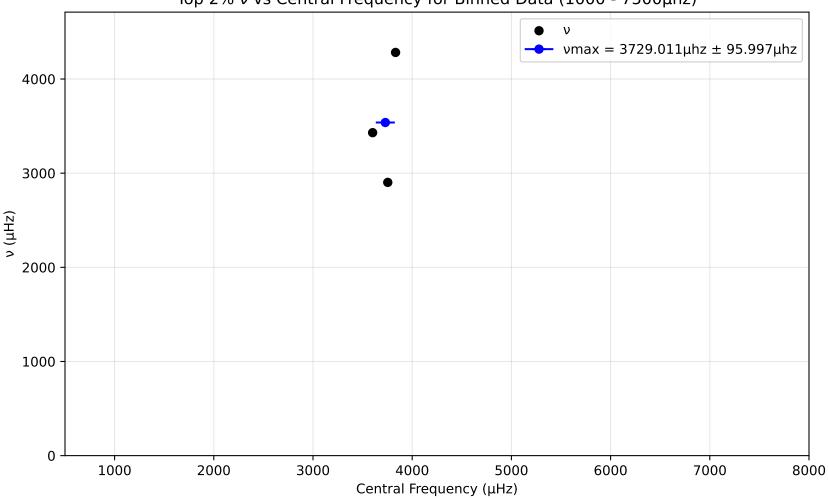


SNR variation for top n% of data for spectrum\_2\_cams24\_vmag7.77.pow. Drowned by noise at 16.0%.

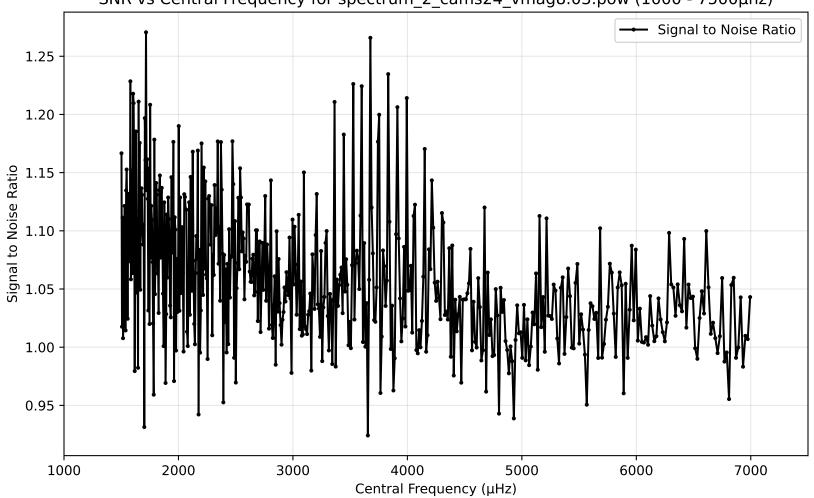


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

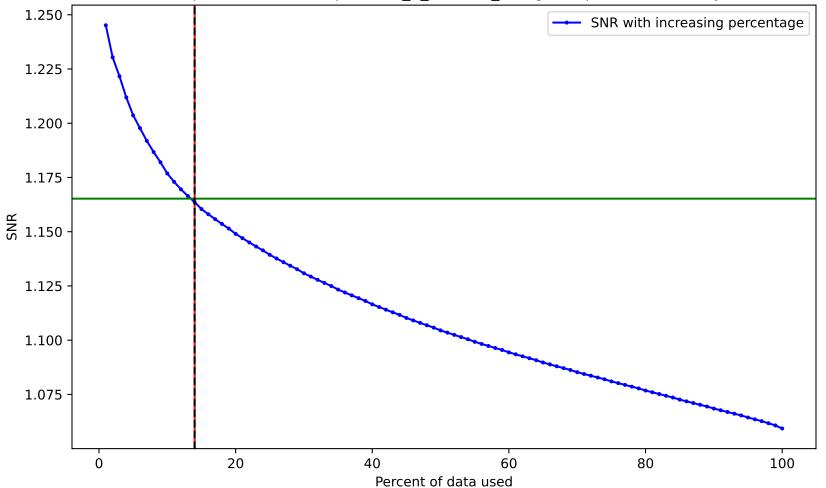
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag8.03.pow (1000 - 7500µhz)

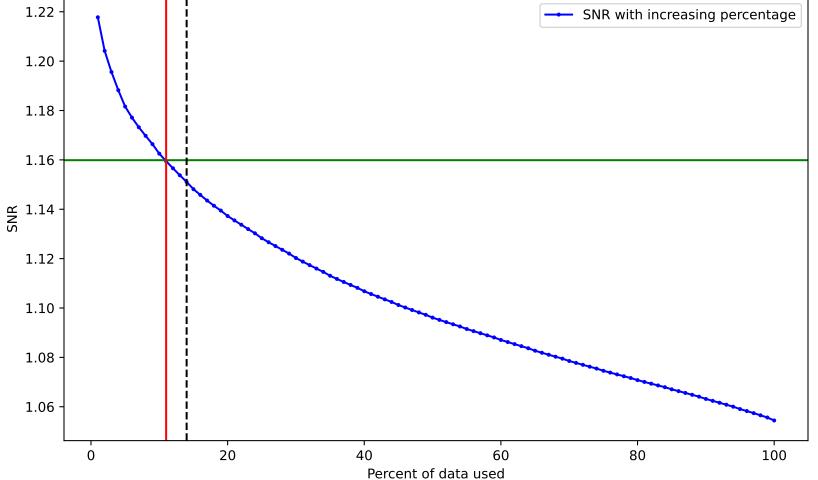


SNR variation for top n% of data for spectrum\_2\_cams24\_vmag8.03.pow. Drowned by noise at 14.0%.

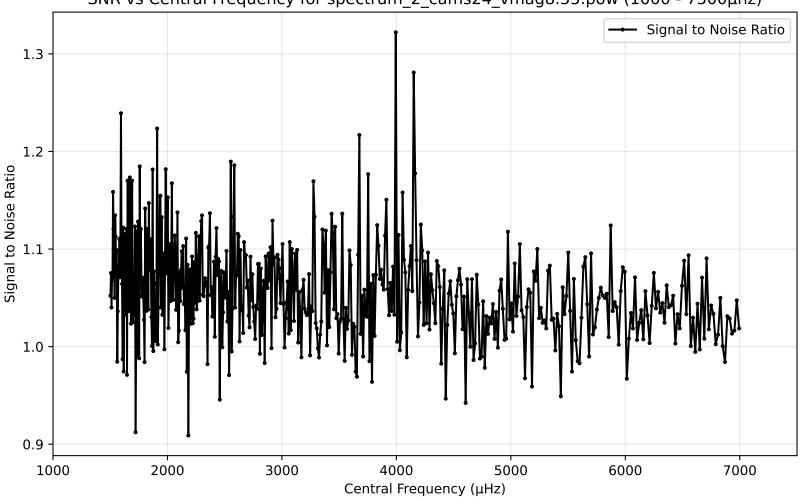


SNR vs Central Frequency for spectrum\_2\_cams24\_vmag8.29.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

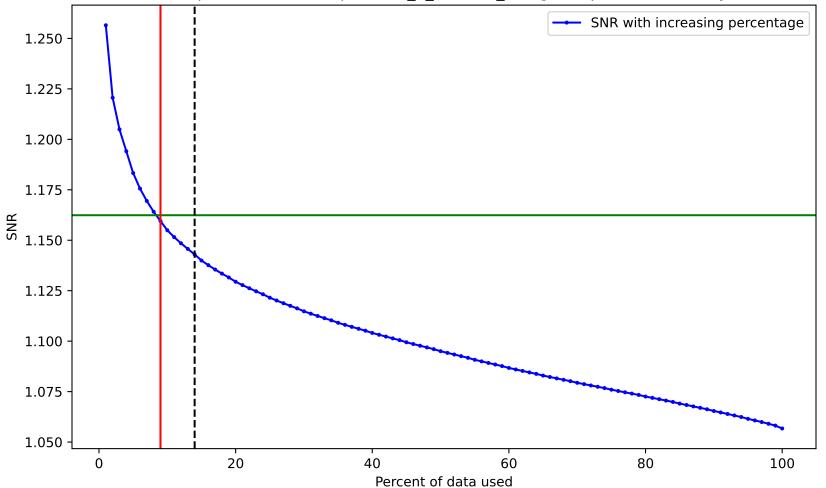
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag8.29.pow. Drowned by noise at 11.0%. SNR with increasing percentage



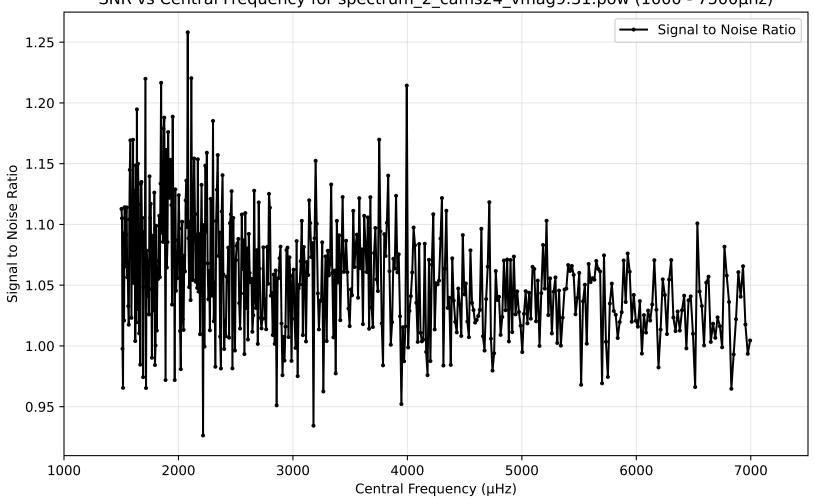
SNR vs Central Frequency for spectrum\_2\_cams24\_vmag8.55.pow (1000 - 7500µhz)



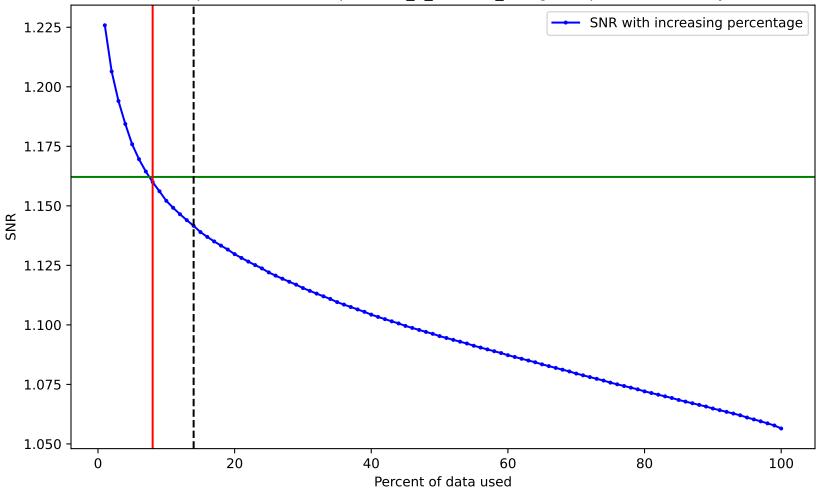
SNR variation for top n% of data for spectrum\_2\_cams24\_vmag8.55.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_2\_cams24\_vmag9.31.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_2\_cams24\_vmag9.31.pow. Drowned by noise at 8.0%.



SNR vs Central Frequency for spectrum\_3\_cams24\_vmag10.42.pow (1000 - 7500µhz) 1.25 -Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.10 1.00 0.95

4000

Central Frequency (µHz)

6000

5000

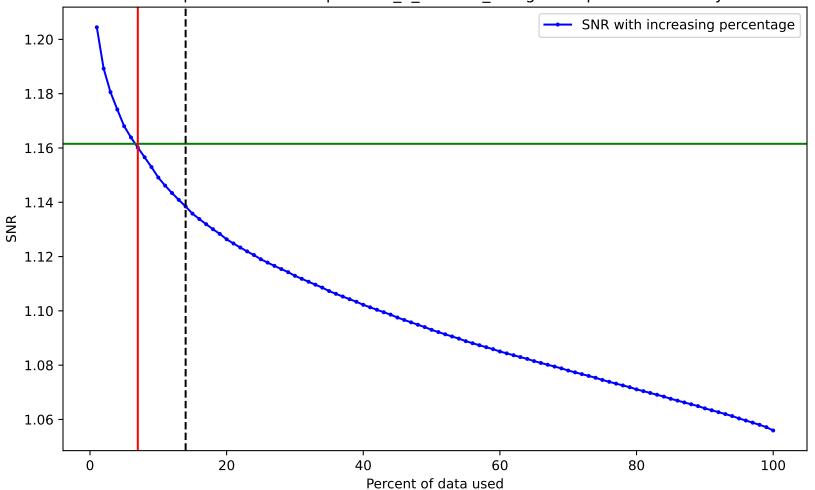
7000

1000

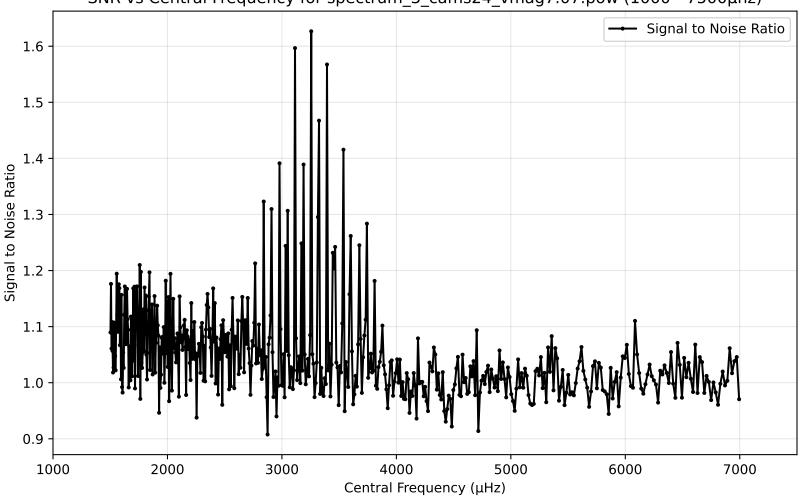
2000

3000

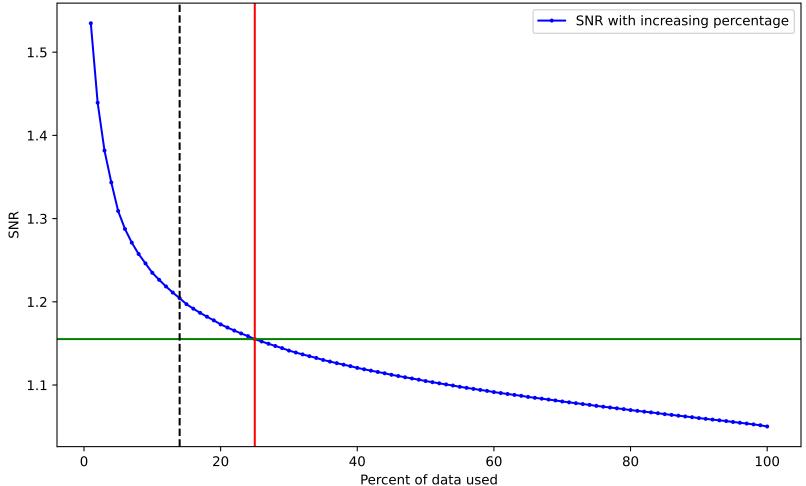
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag10.42.pow. Drowned by noise at 7.0%.



SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.07.pow (1000 - 7500µhz)

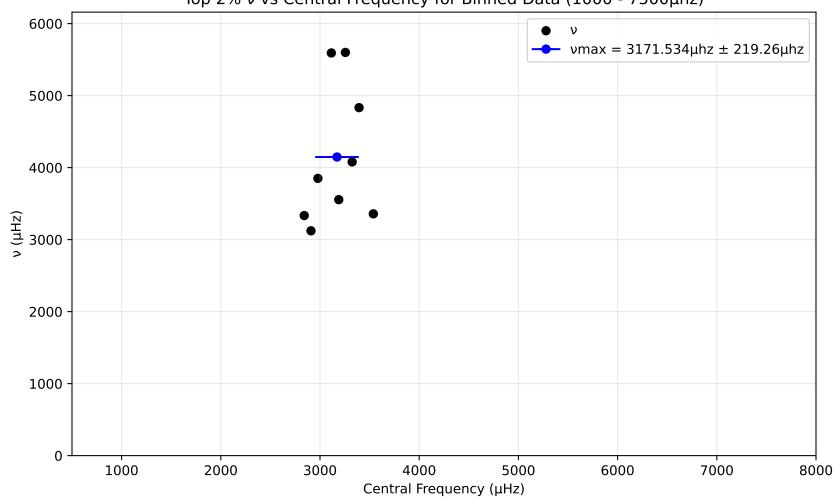


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.07.pow. Drowned by noise at 25.0%.

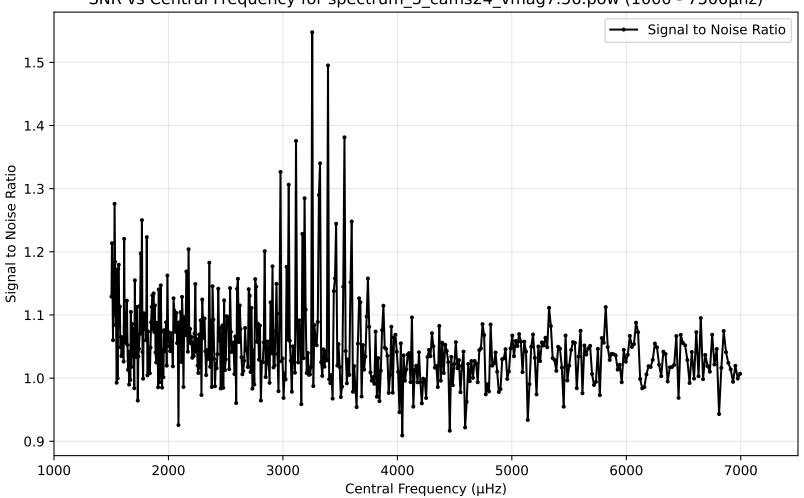


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000Central Frequency (µHz)

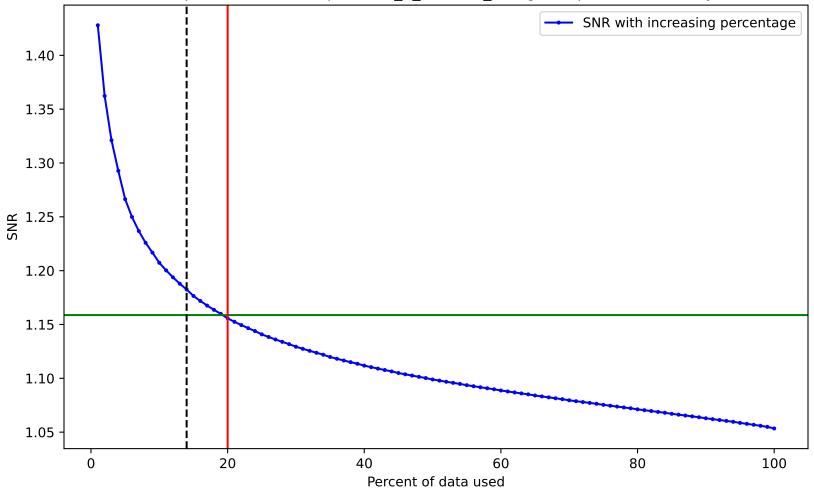
Top 2%  $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz)



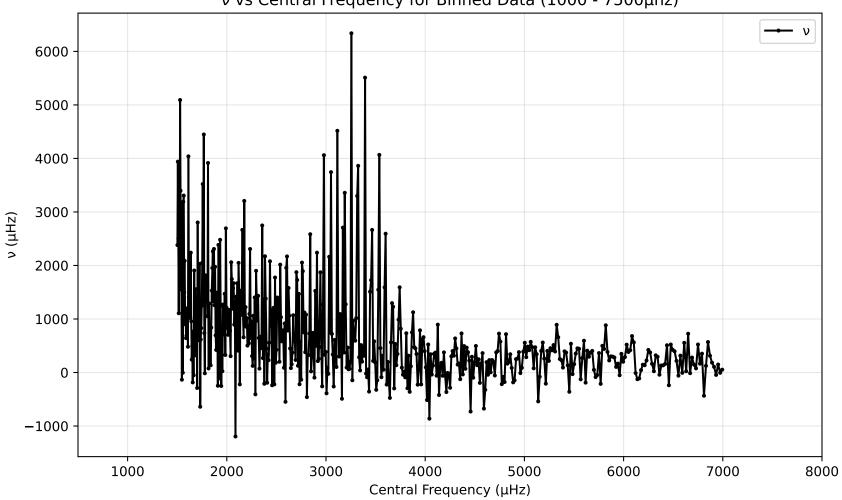
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.56.pow (1000 - 7500µhz)



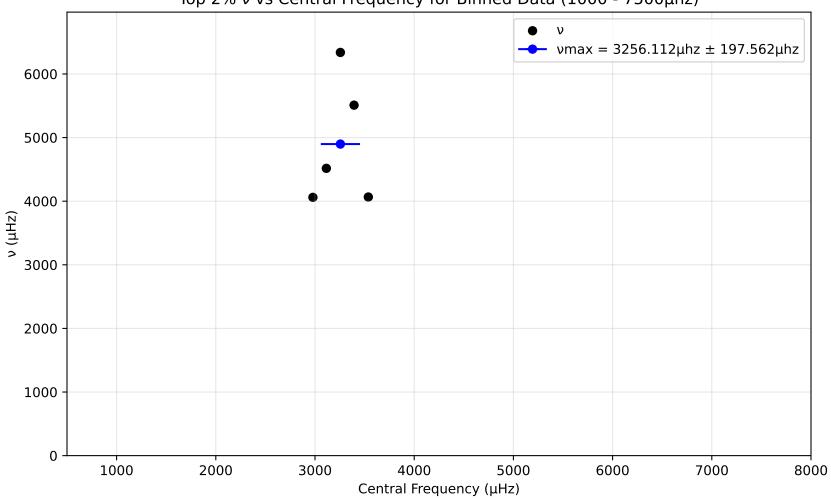
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.56.pow. Drowned by noise at 20.0%.



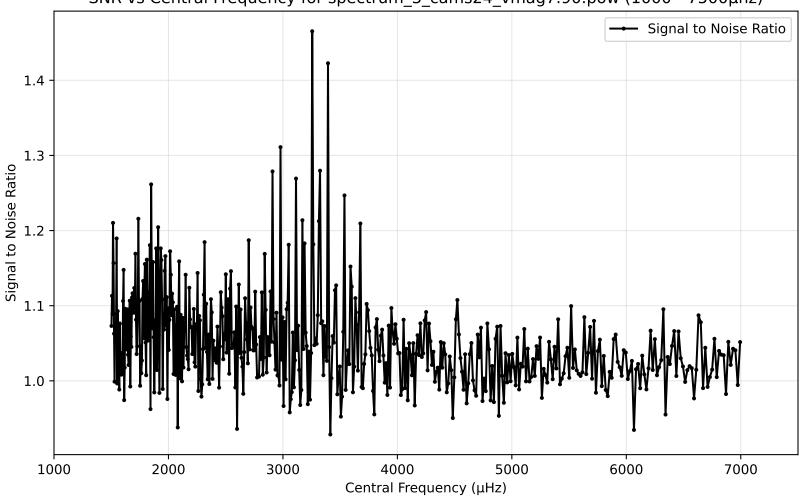
ν vs Central Frequency for Binned Data (1000 - 7500μhz)



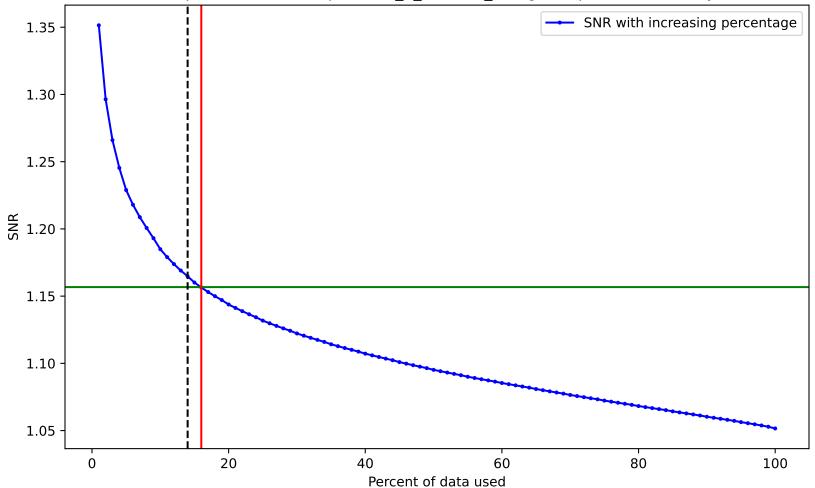
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)

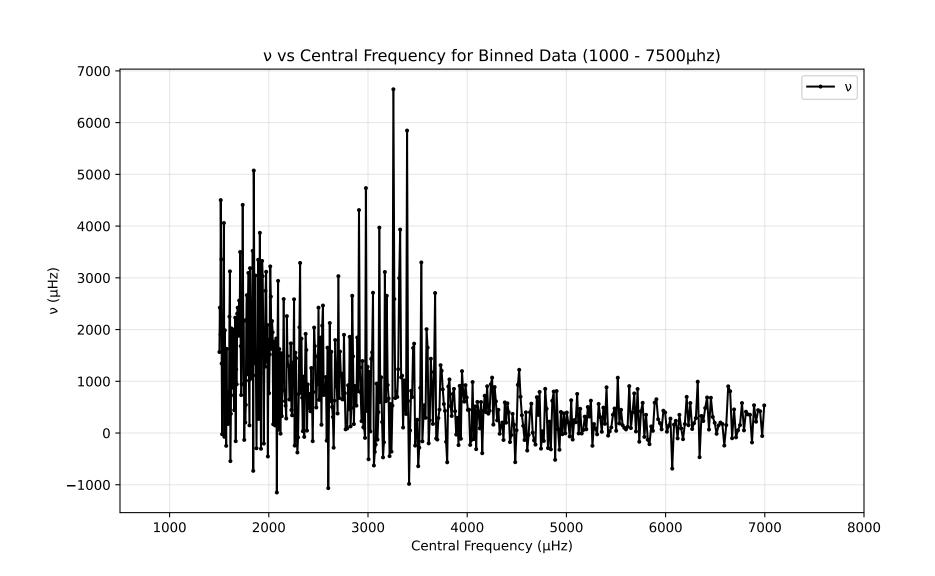


SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.90.pow (1000 - 7500µhz)

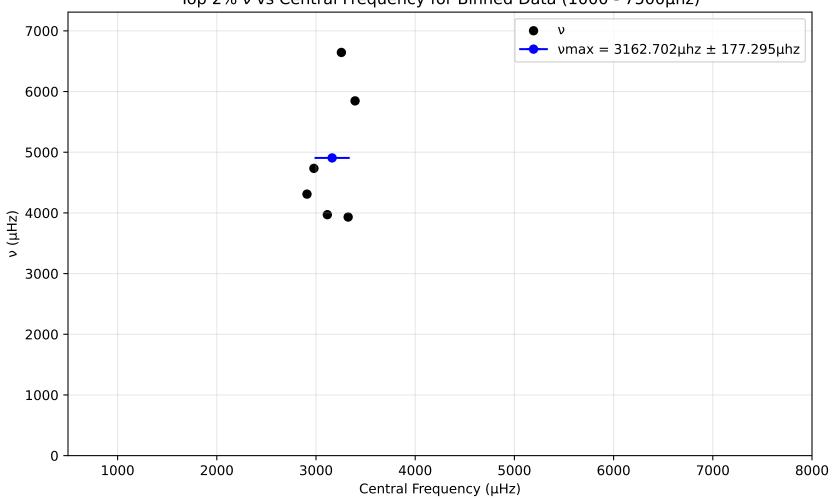


SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.90.pow. Drowned by noise at 16.0%.

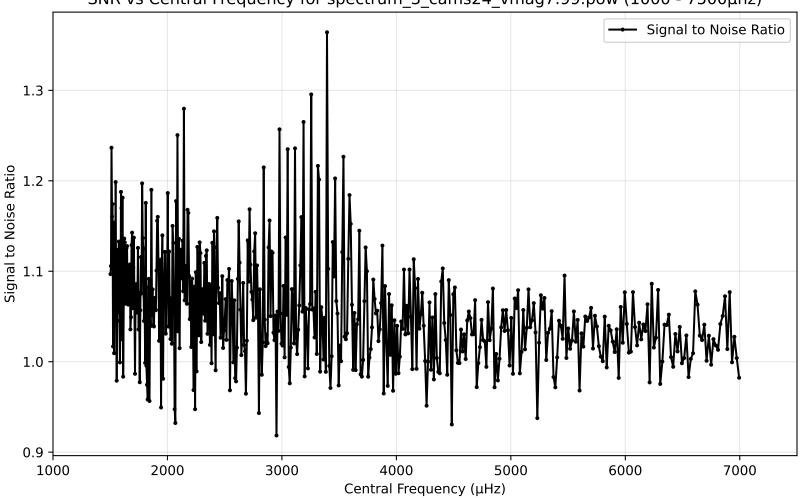




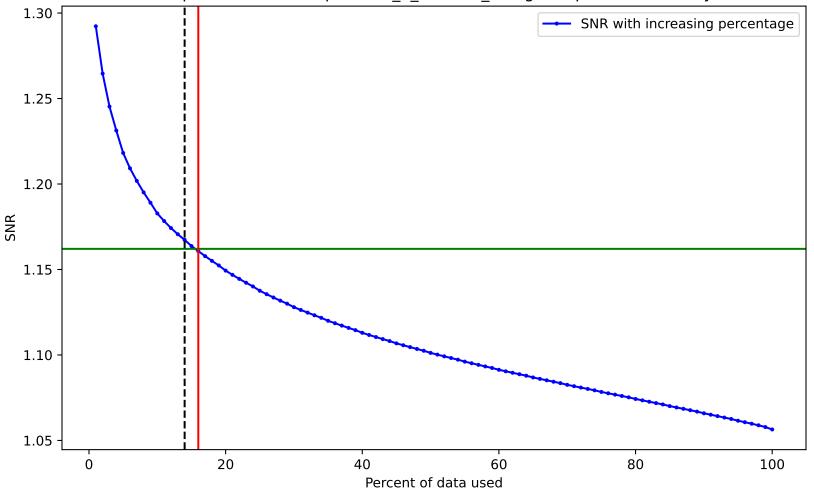
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_3\_cams24\_vmag7.99.pow (1000 - 7500µhz)



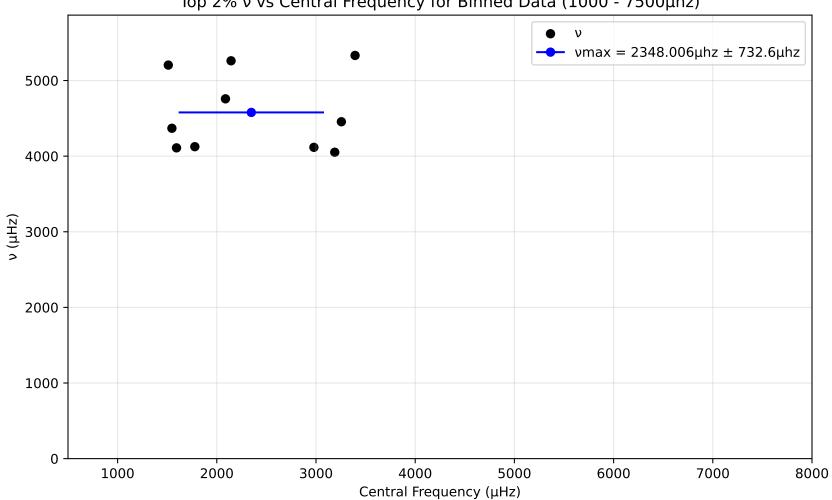
SNR variation for top n% of data for spectrum\_3\_cams24\_vmag7.99.pow. Drowned by noise at 16.0%.



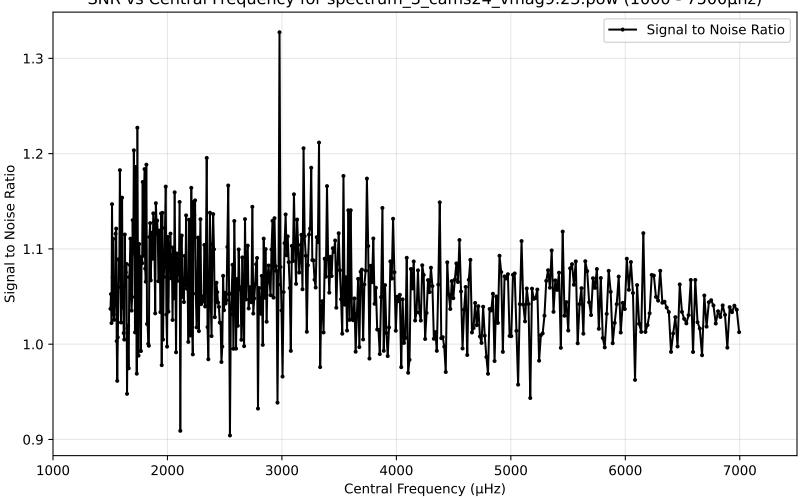
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

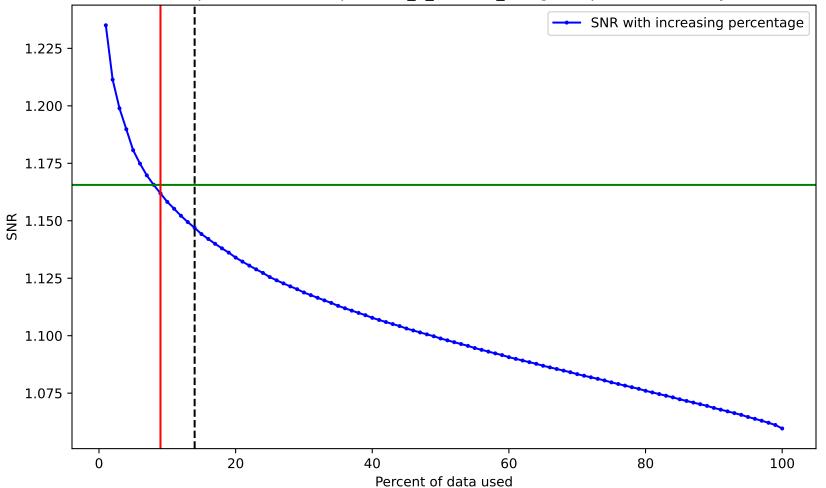
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



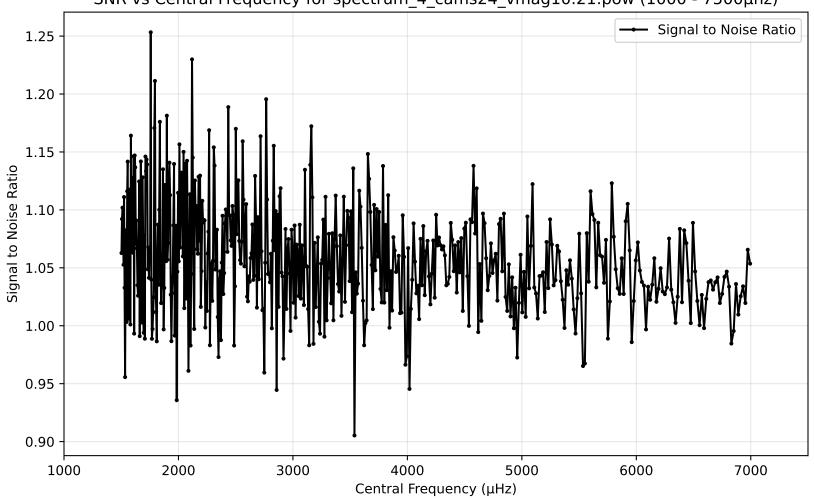
SNR vs Central Frequency for spectrum\_3\_cams24\_vmag9.23.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_3\_cams24\_vmag9.23.pow. Drowned by noise at 9.0%.

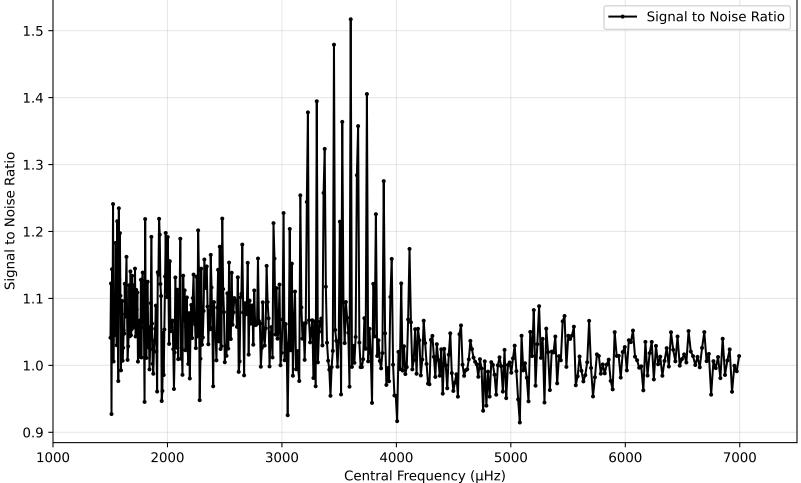


SNR vs Central Frequency for spectrum\_4\_cams24\_vmag10.21.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_4\_cams24\_vmag10.21.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

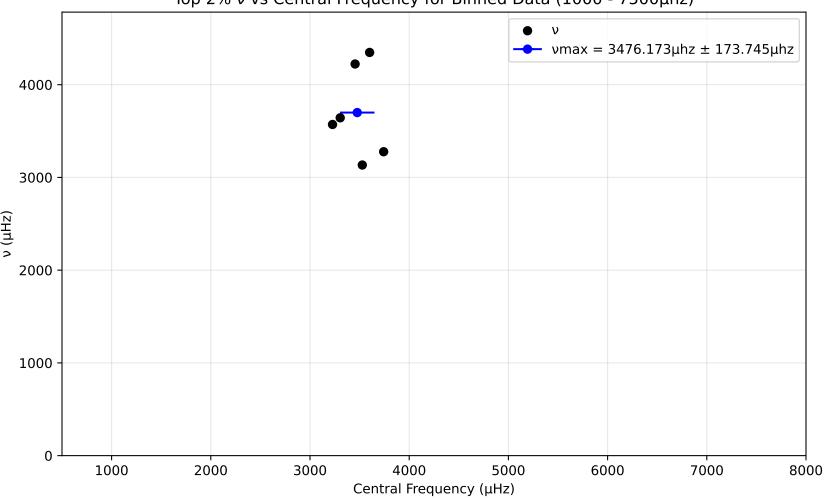
SNR vs Central Frequency for spectrum\_4\_cams24\_vmag7.19.pow (1000 - 7500µhz) Signal to Noise Ratio



SNR variation for top n% of data for spectrum\_4\_cams24\_vmag7.19.pow. Drowned by noise at 25.0%. 1.45 -SNR with increasing percentage 1.40 1.35 1.30 ¥ 1.25 -1.20 1.15 1.10 -1.05 20 40 60 80 100

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

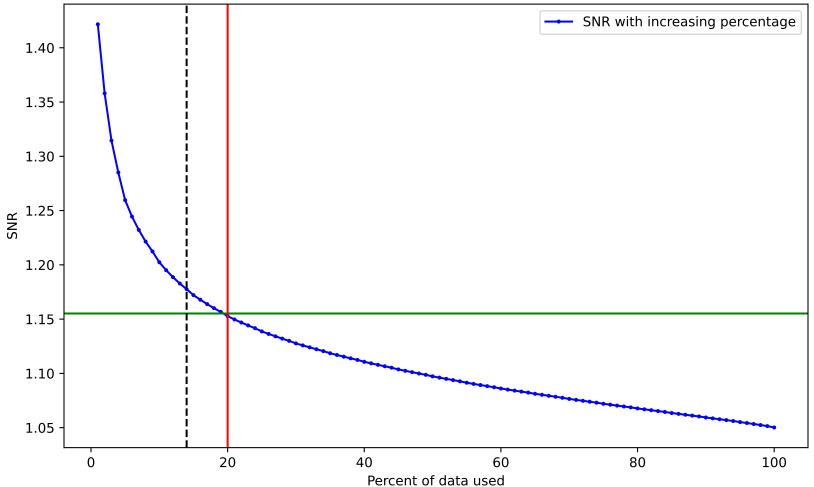
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_4\_cams24\_vmag7.51.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

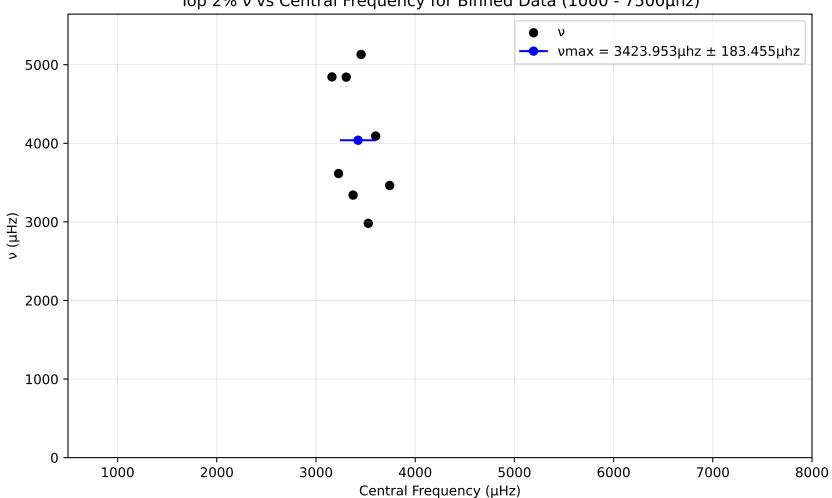
Central Frequency (µHz)

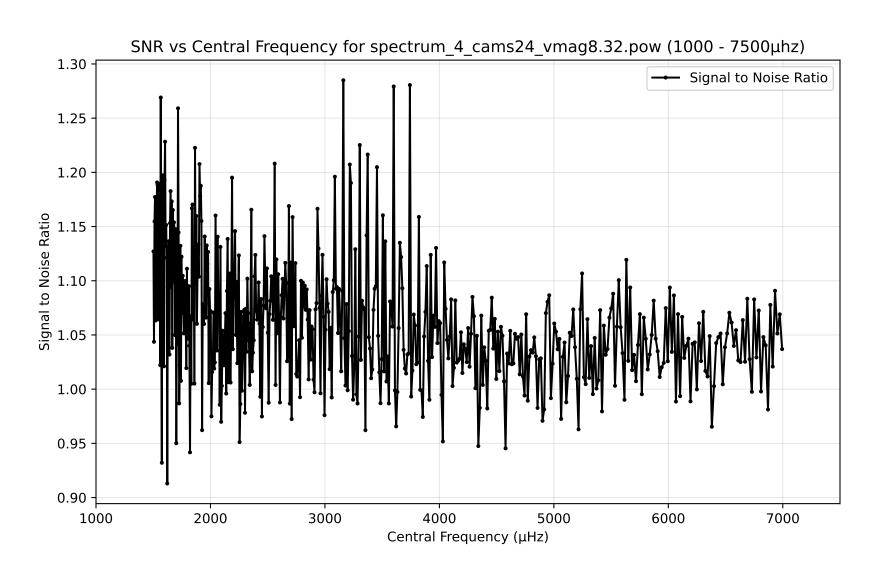
SNR variation for top n% of data for spectrum\_4\_cams24\_vmag7.51.pow. Drowned by noise at 20.0%.



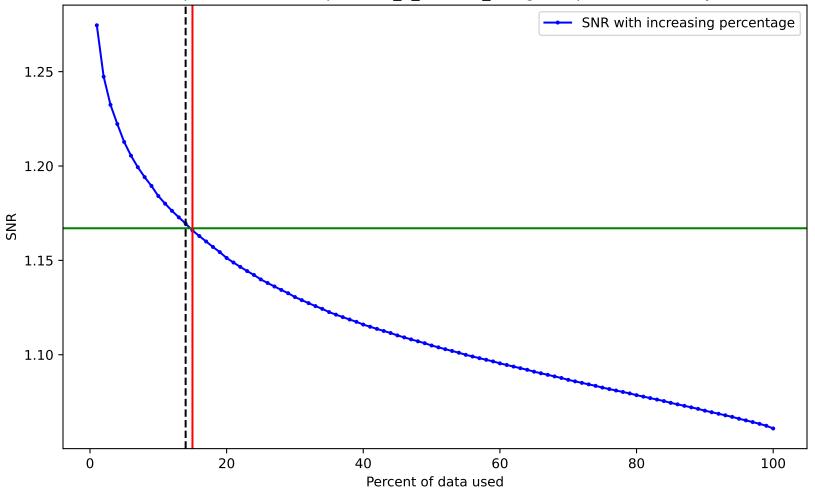
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

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



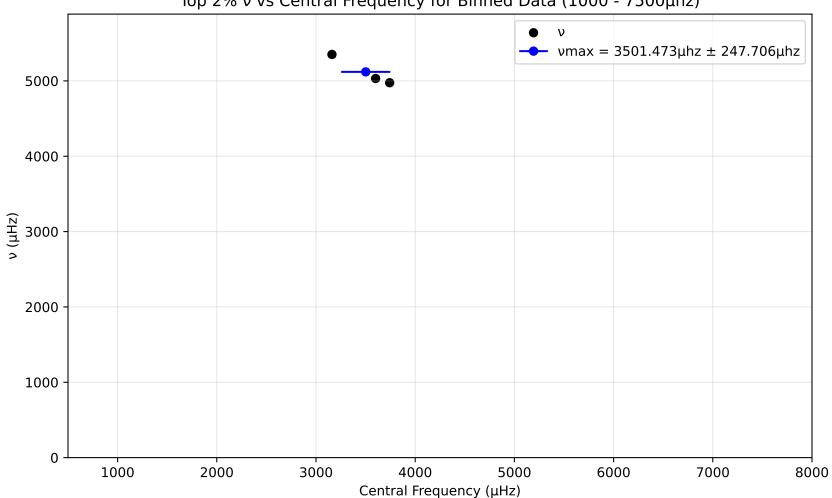


SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.32.pow. Drowned by noise at 15.0%.

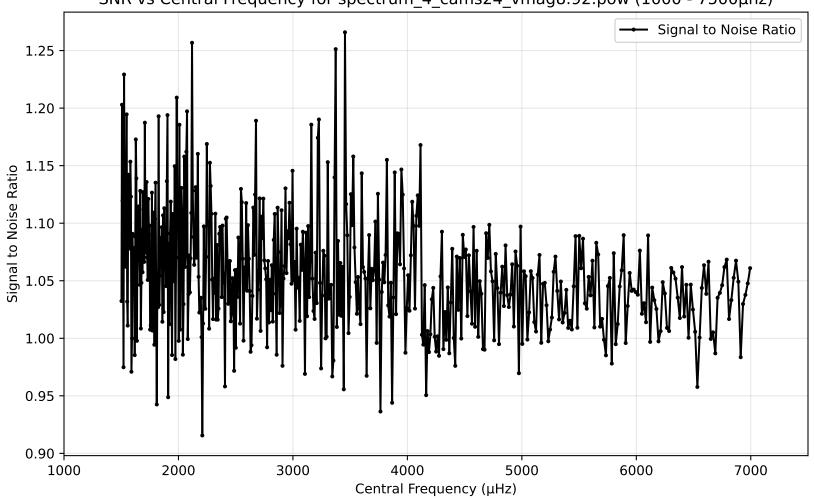


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -2000 Central Frequency (µHz)

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

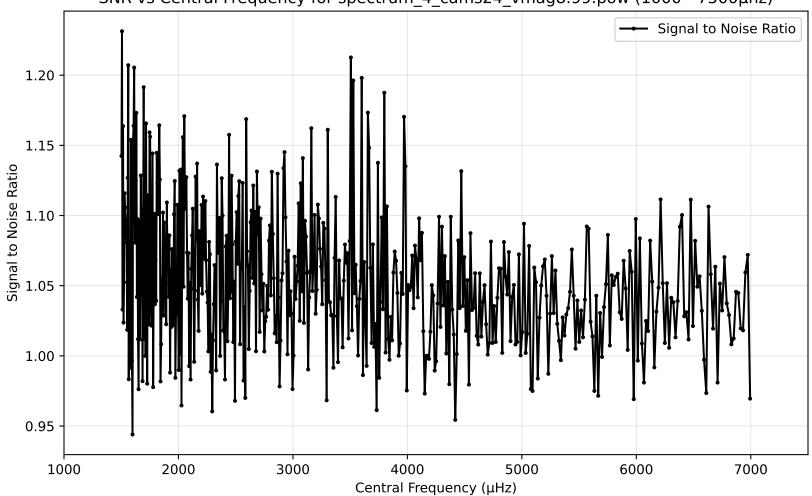


SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.92.pow (1000 - 7500µhz)

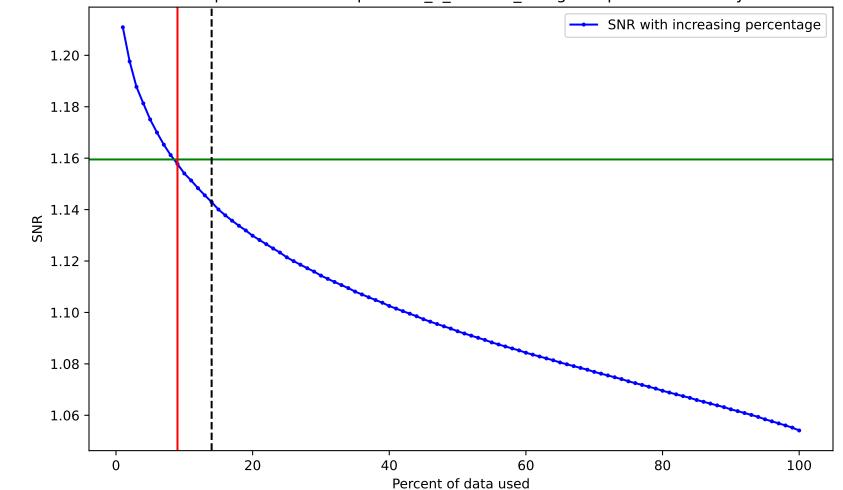


SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.92.pow. Drowned by noise at 10.0%. 1.250 -SNR with increasing percentage 1.225 1.200 1.175 NS 1.150 -1.125 -1.100 1.075 -1.050 20 40 60 80 100

SNR vs Central Frequency for spectrum\_4\_cams24\_vmag8.99.pow (1000 - 7500µhz)



SNR variation for top n% of data for spectrum\_4\_cams24\_vmag8.99.pow. Drowned by noise at 9.0%.

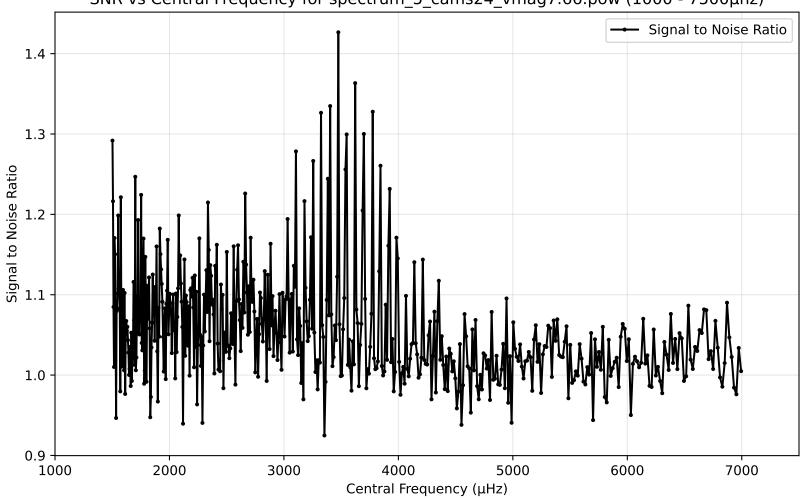


SNR vs Central Frequency for spectrum\_5\_cams24\_vmag10.16.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 0.90 1000 2000 3000 4000 6000 7000 5000

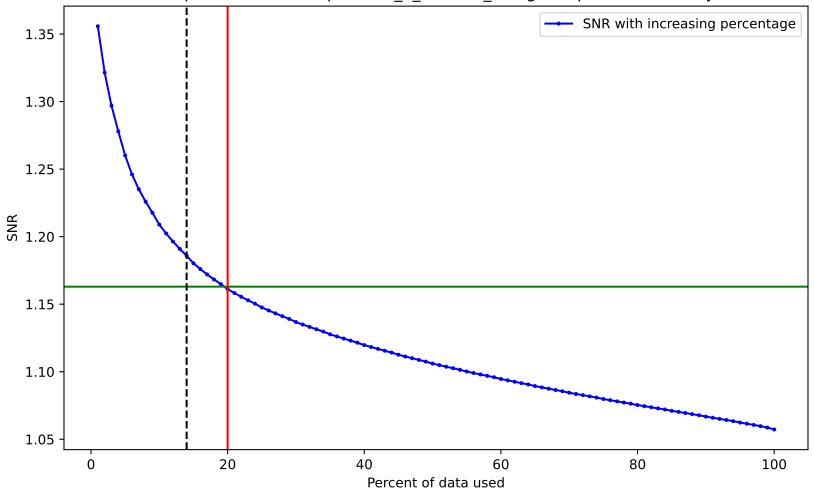
Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_5\_cams24\_vmag10.16.pow. Drowned by noise at 9.0%. 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

SNR vs Central Frequency for spectrum\_5\_cams24\_vmag7.66.pow (1000 - 7500µhz)

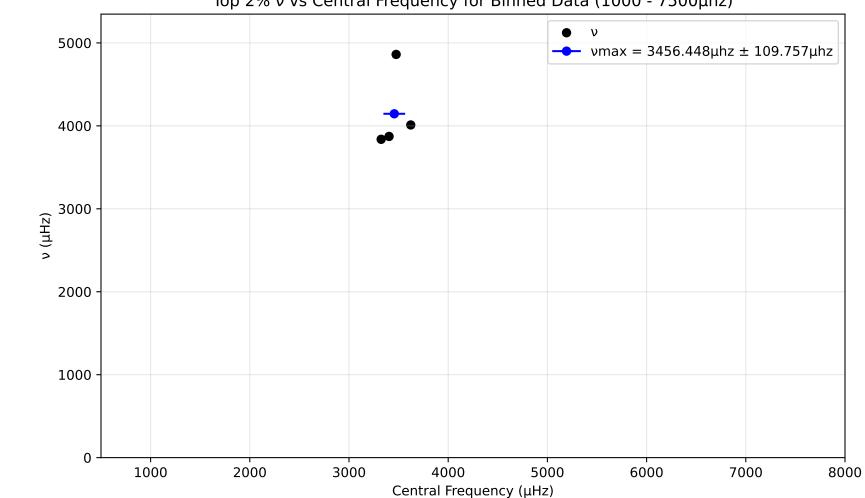


SNR variation for top n% of data for spectrum\_5\_cams24\_vmag7.66.pow. Drowned by noise at 20.0%.

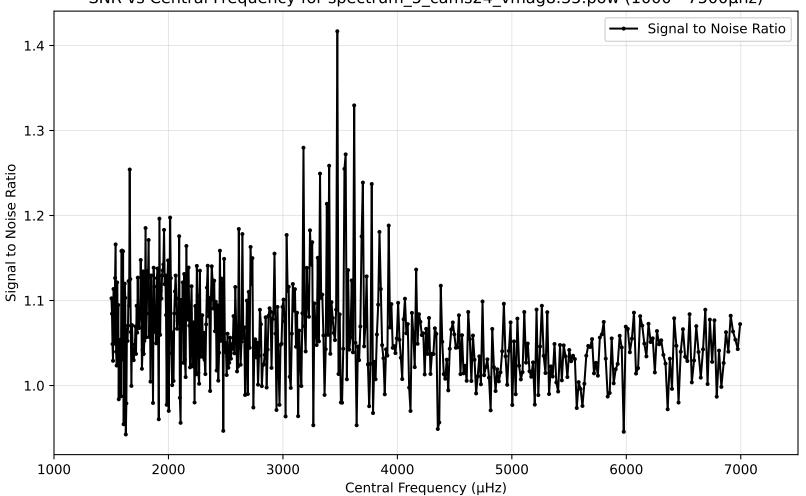


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)

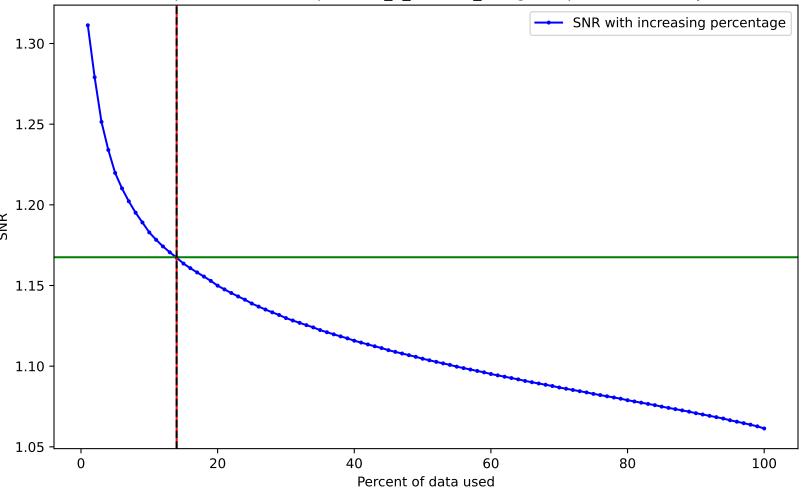
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



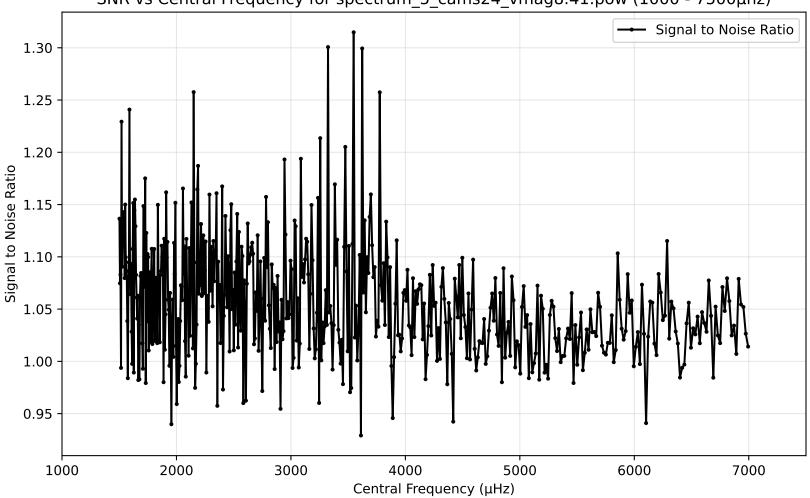
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag8.35.pow (1000 - 7500µhz)



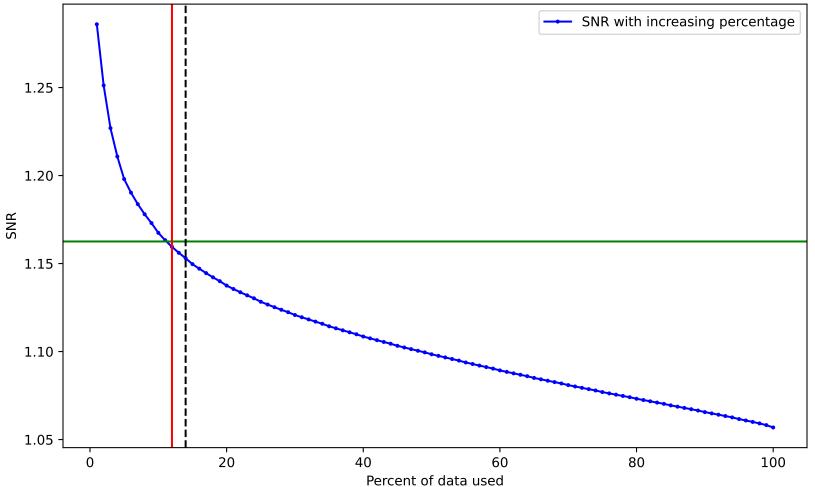
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag8.35.pow. Drowned by noise at 14.0%.



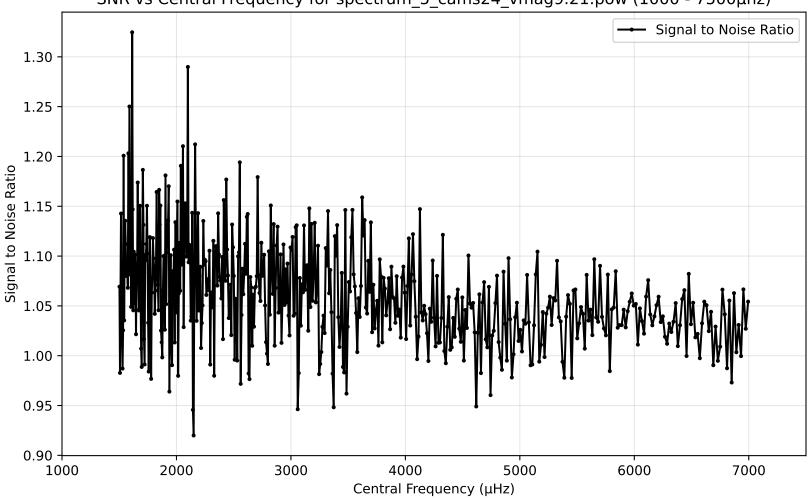
SNR vs Central Frequency for spectrum\_5\_cams24\_vmag8.41.pow (1000 - 7500µhz)



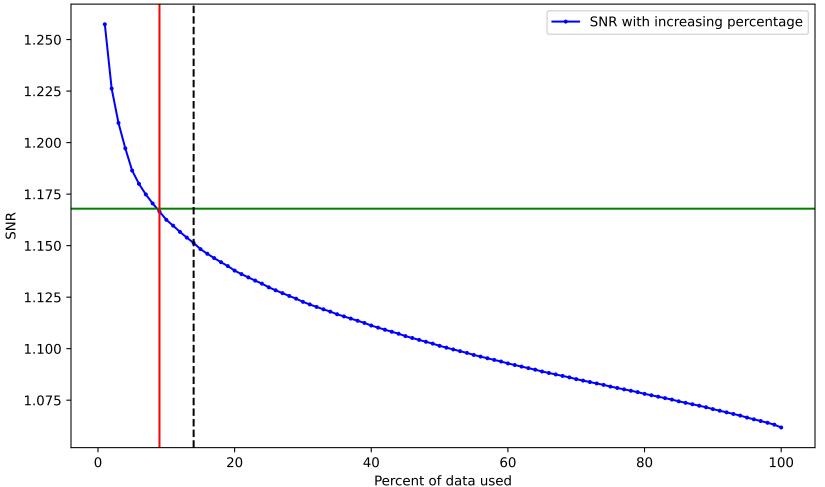
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag8.41.pow. Drowned by noise at 12.0%.



SNR vs Central Frequency for spectrum\_5\_cams24\_vmag9.21.pow (1000 - 7500µhz)



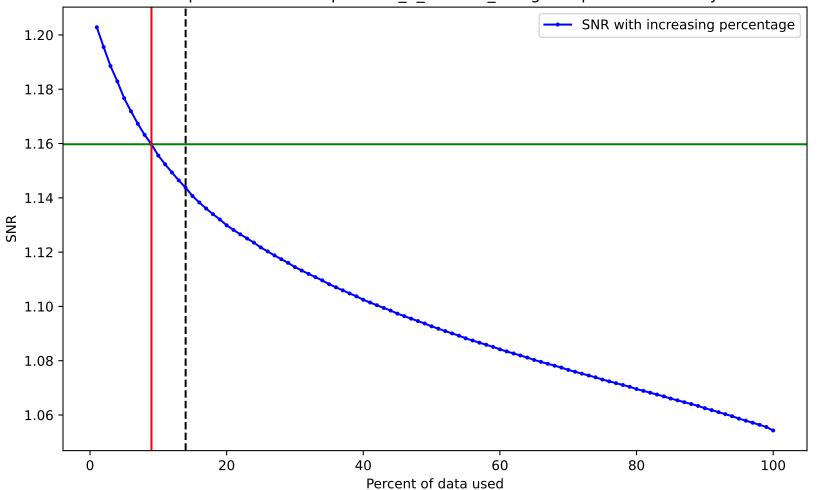
SNR variation for top n% of data for spectrum\_5\_cams24\_vmag9.21.pow. Drowned by noise at 9.0%.

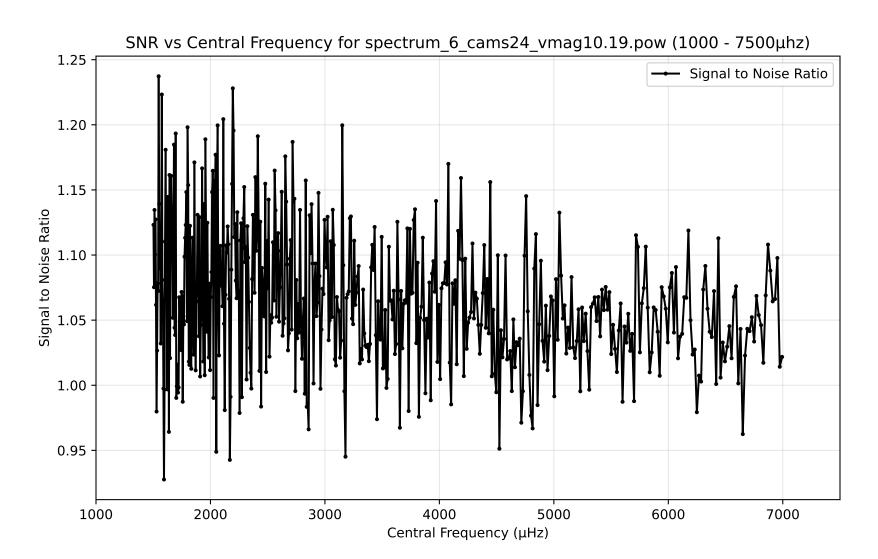


SNR vs Central Frequency for spectrum\_5\_cams24\_vmag9.25.pow (1000 - 7500µhz) Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.00 0.95 1000 2000 3000 4000 6000 7000 5000

Central Frequency (µHz)

SNR variation for top n% of data for spectrum\_5\_cams24\_vmag9.25.pow. Drowned by noise at 9.0%.

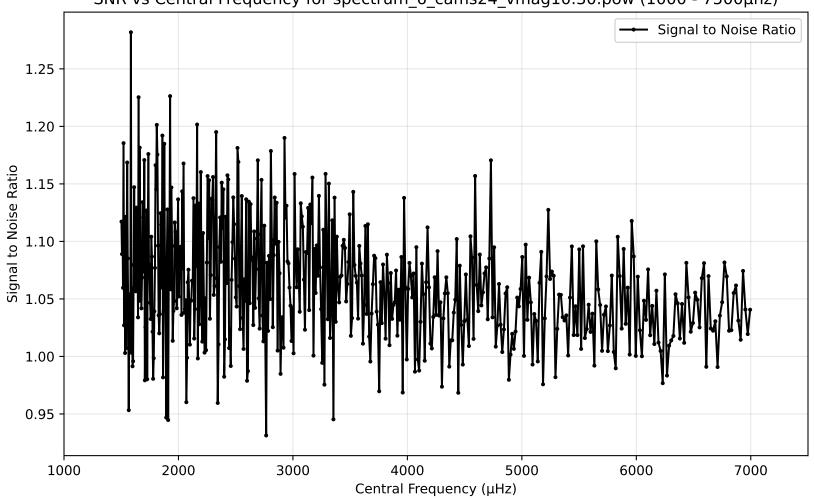




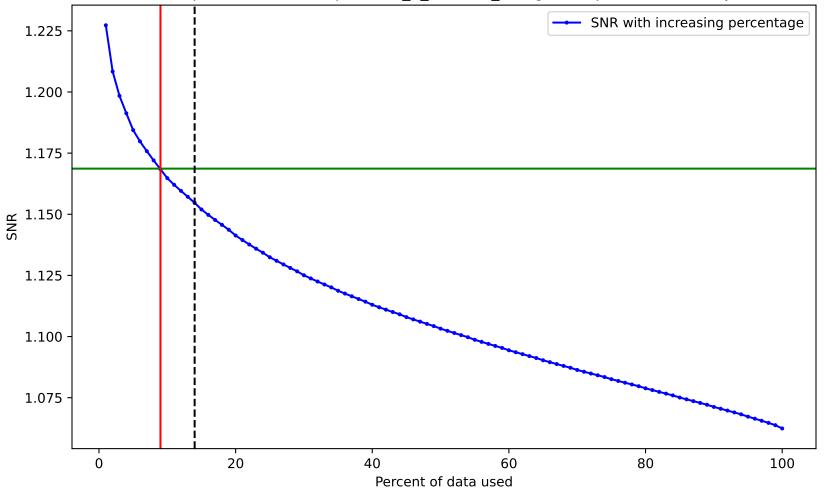
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag10.19.pow. Drowned by noise at 8.0%. 1.22 SNR with increasing percentage 1.20 1.18 1.16 -WS 1.14 1.12 1.10 1.08 1.06 20 40 60 80 100

Percent of data used

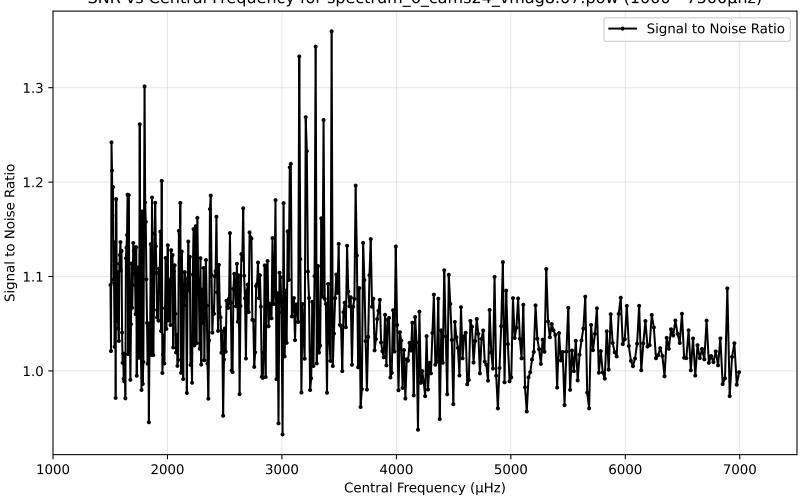
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag10.30.pow (1000 - 7500µhz)



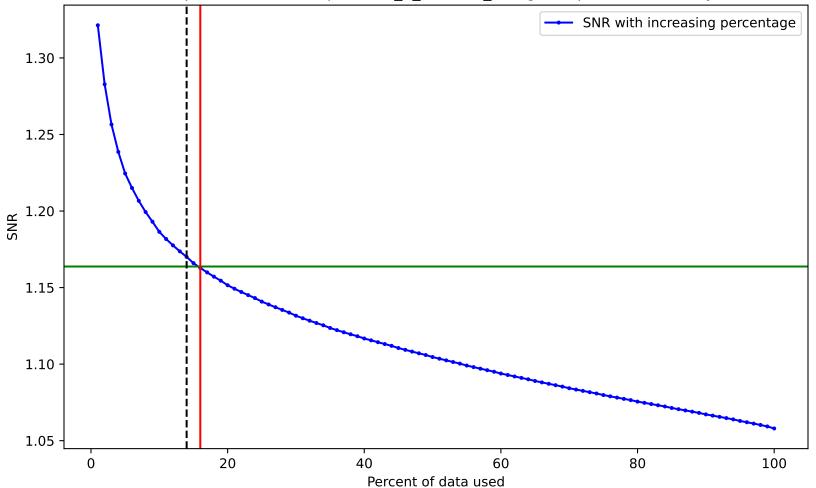
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag10.30.pow. Drowned by noise at 9.0%.



SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.07.pow (1000 - 7500µhz)



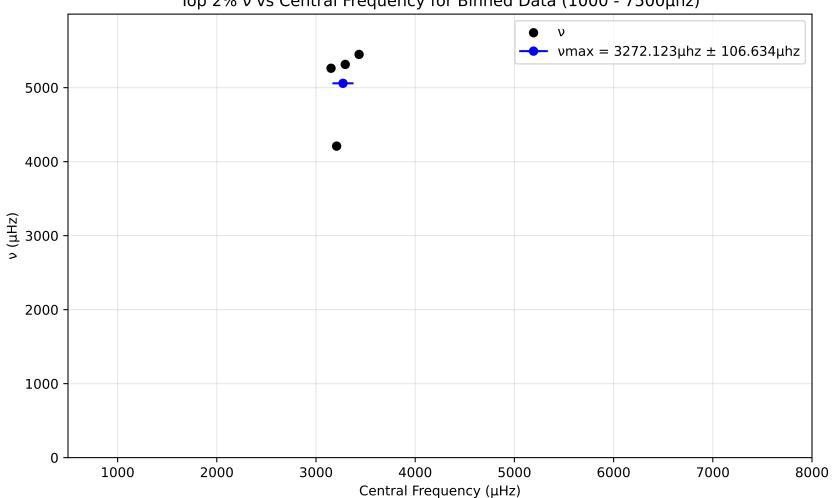
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag8.07.pow. Drowned by noise at 16.0%.



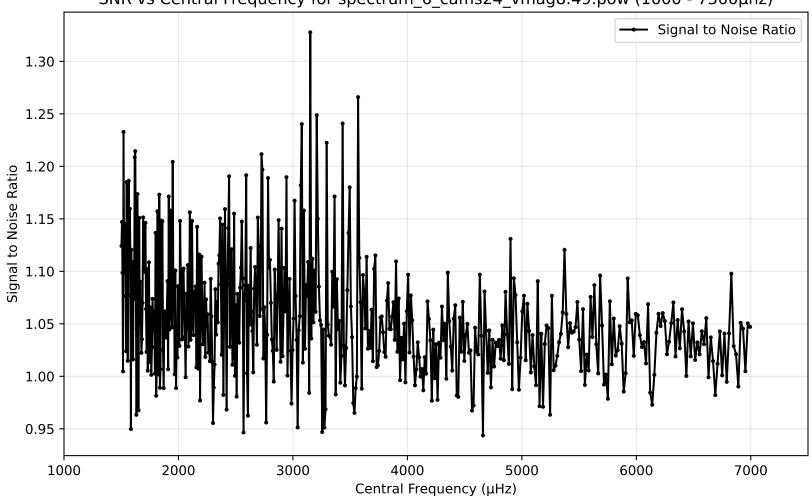
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 

Central Frequency (µHz)

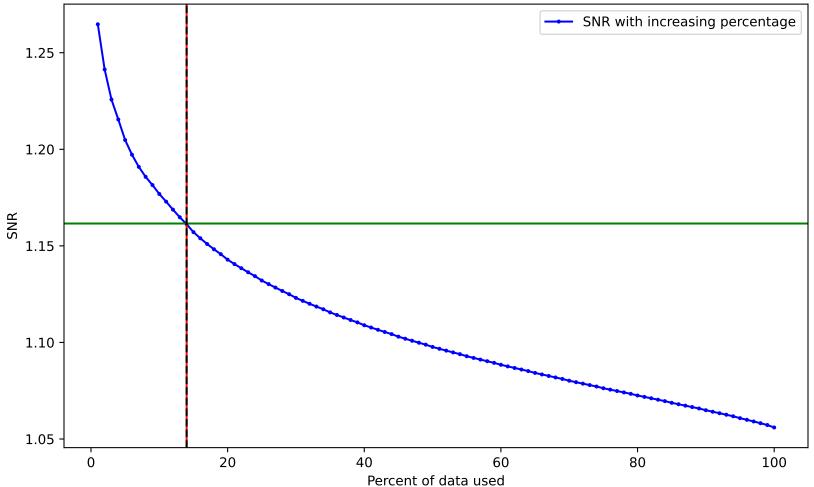
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



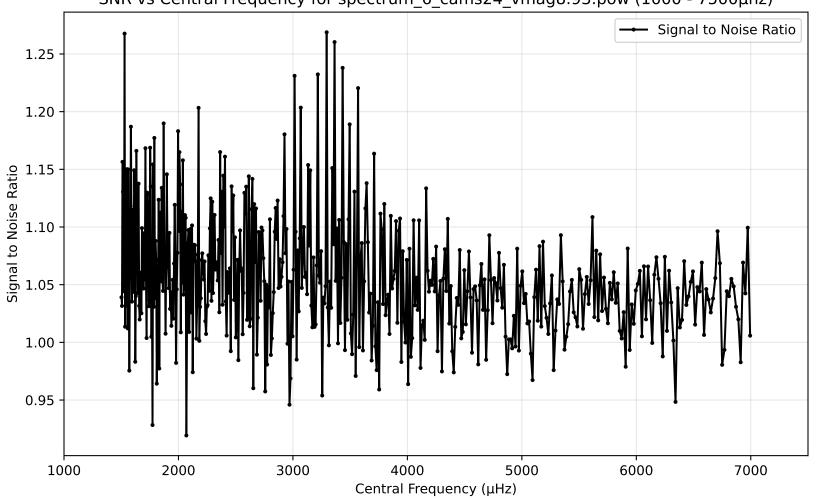
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.49.pow (1000 - 7500µhz)



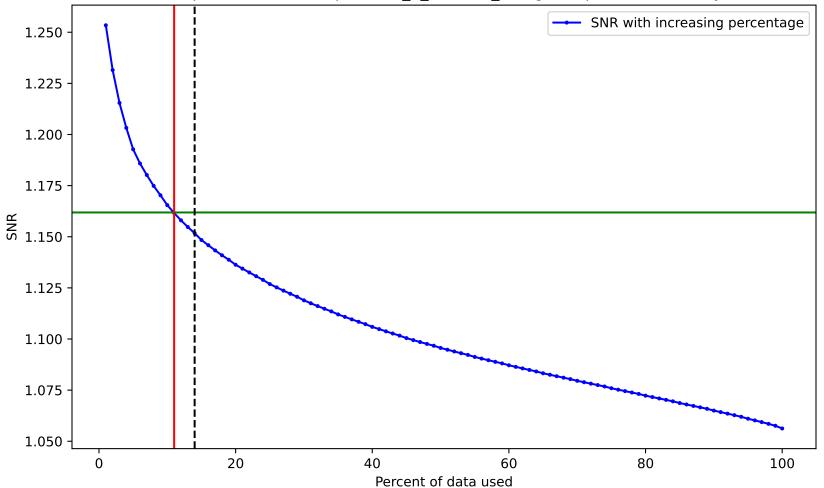
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag8.49.pow. Drowned by noise at 14.0%.



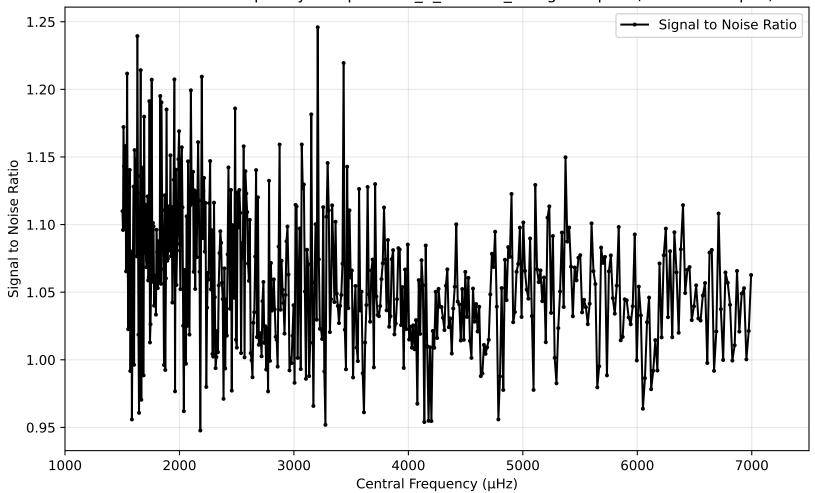
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag8.93.pow (1000 - 7500µhz)



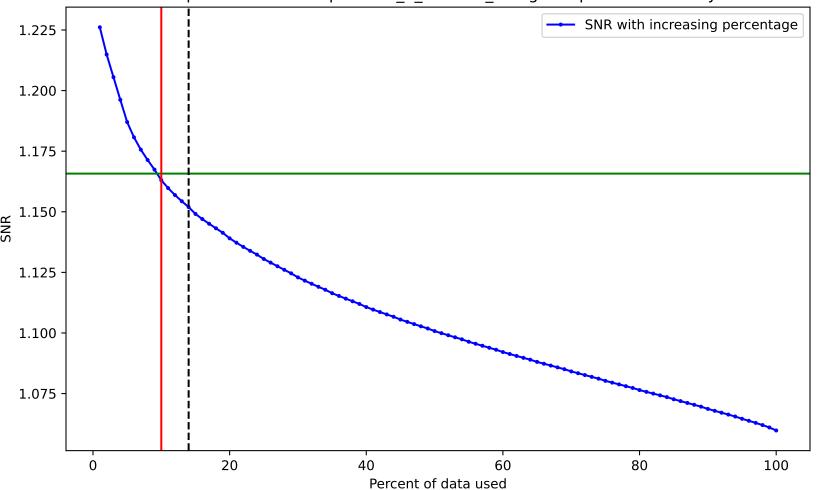
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag8.93.pow. Drowned by noise at 11.0%.



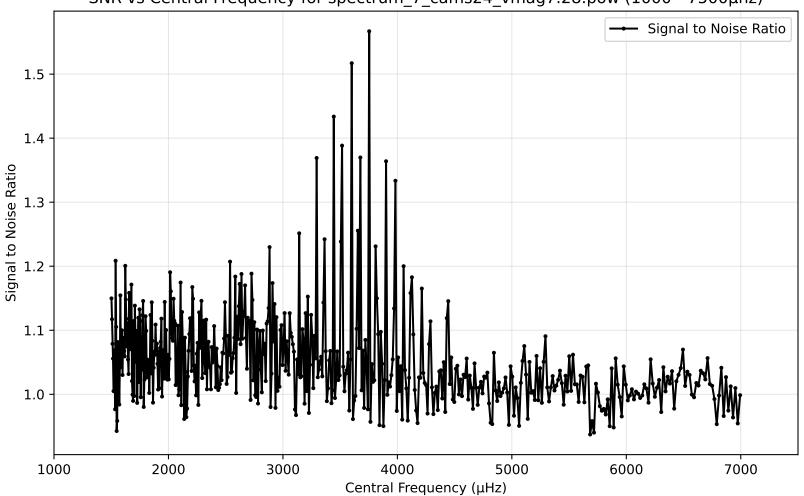
SNR vs Central Frequency for spectrum\_6\_cams24\_vmag9.04.pow (1000 -  $7500\mu hz$ )



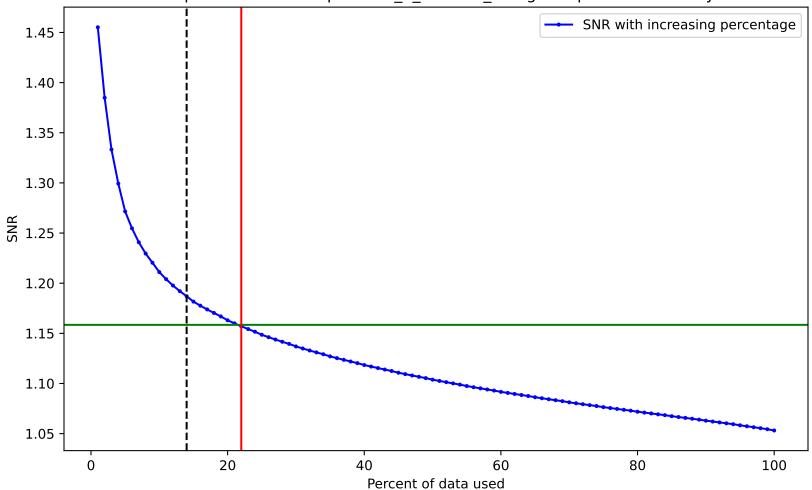
SNR variation for top n% of data for spectrum\_6\_cams24\_vmag9.04.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag7.28.pow (1000 - 7500µhz)

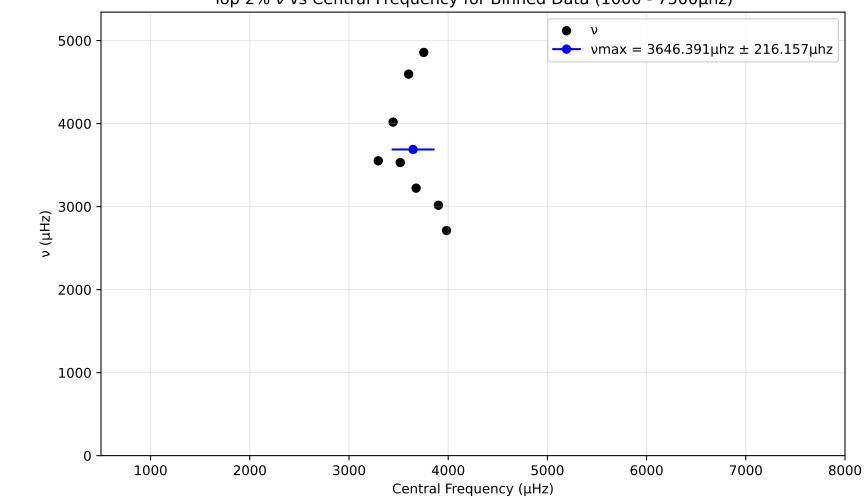


SNR variation for top n% of data for spectrum\_7\_cams24\_vmag7.28.pow. Drowned by noise at 22.0%.

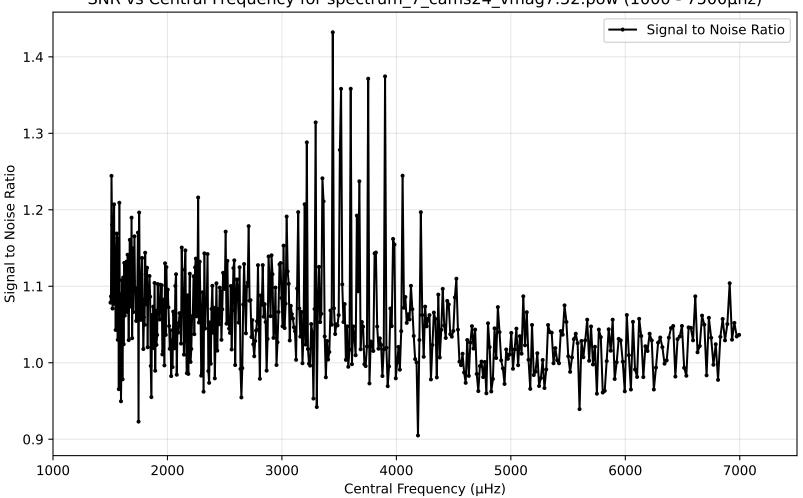


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500  $\mu hz)$ v (µHz) -1000 Central Frequency (µHz)

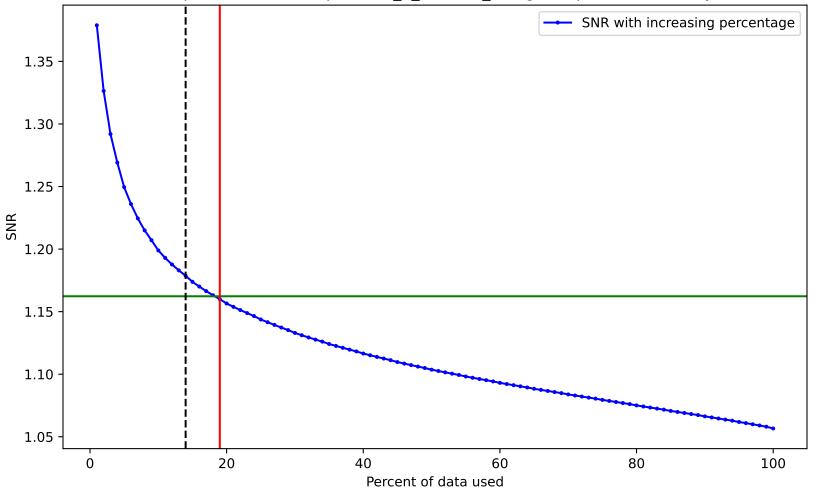
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



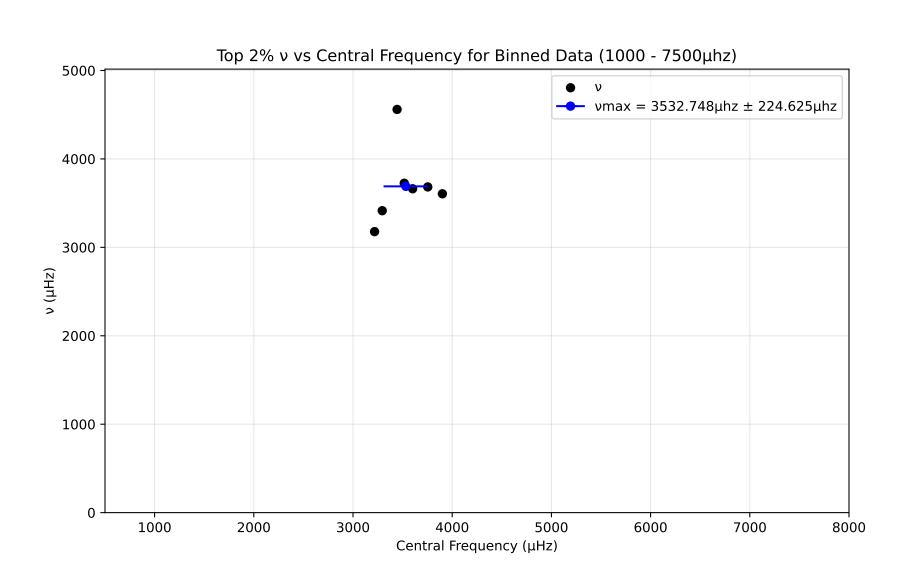
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag7.52.pow (1000 - 7500µhz)



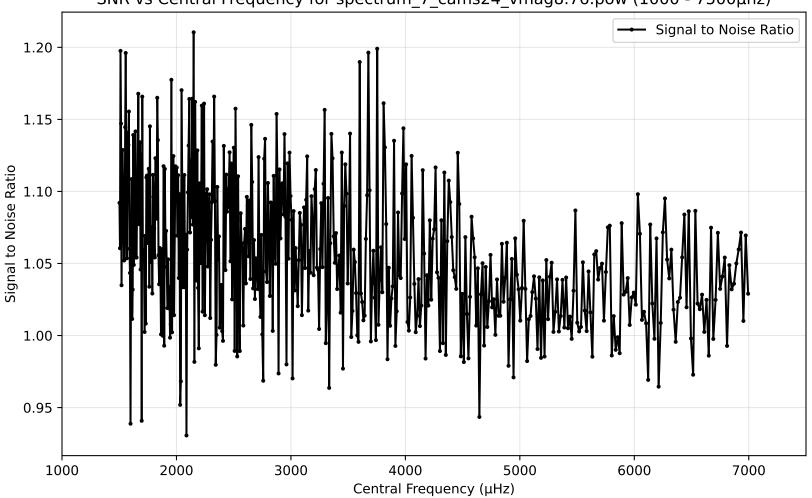
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag7.52.pow. Drowned by noise at 19.0%.



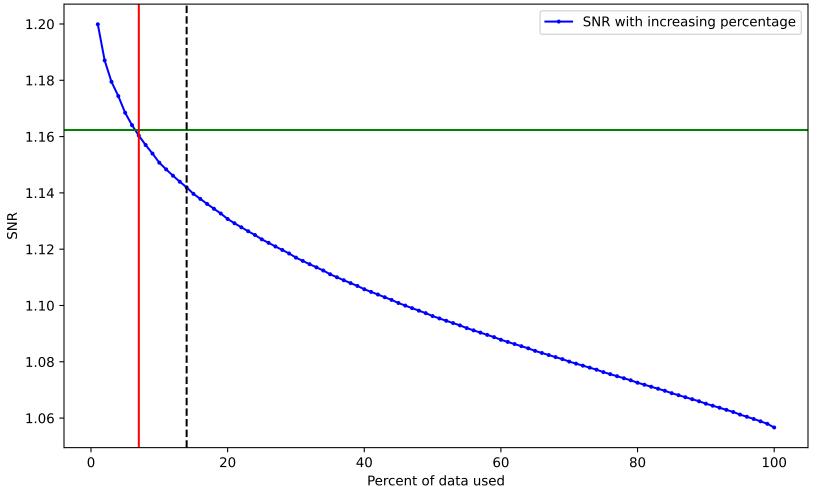
ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)



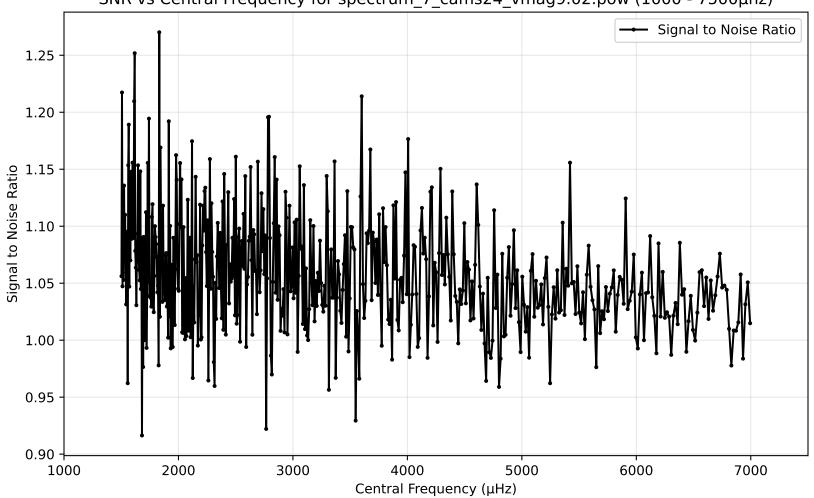
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag8.76.pow (1000 - 7500µhz)



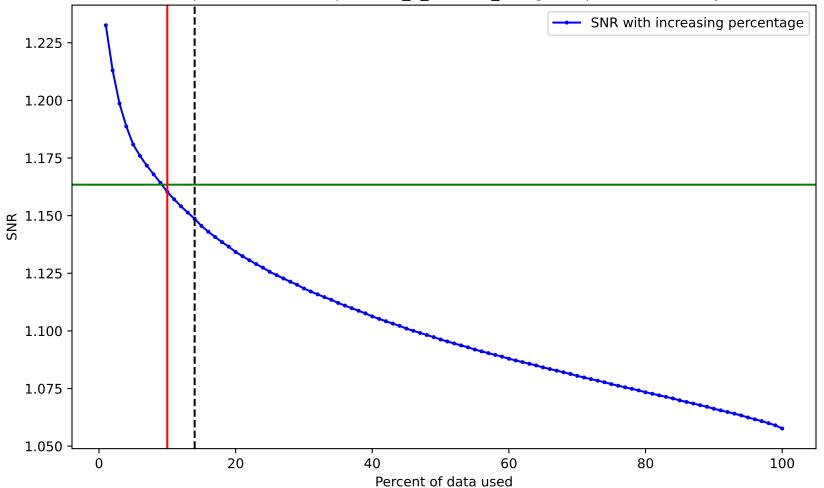
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag8.76.pow. Drowned by noise at 7.0%.



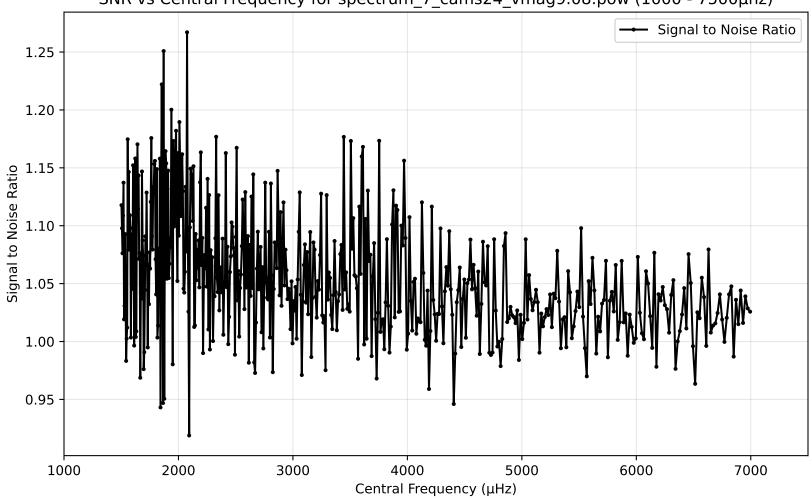
SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.02.pow (1000 - 7500µhz)



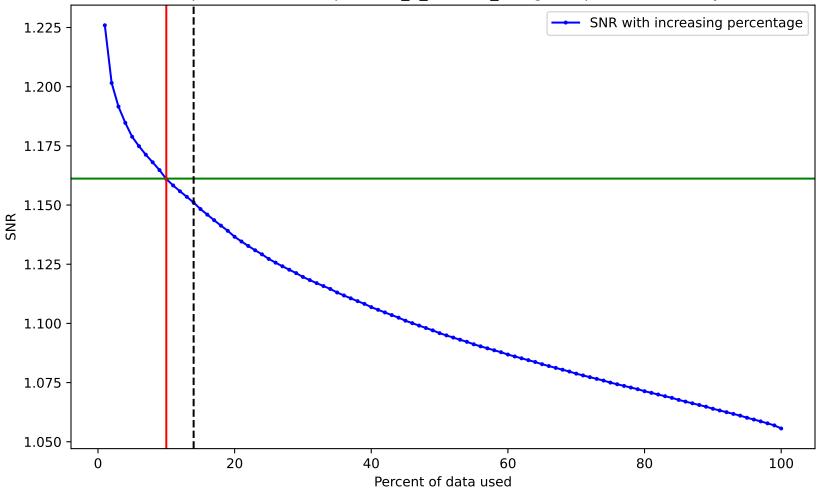
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.02.pow. Drowned by noise at 10.0%.



SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.08.pow (1000 - 7500µhz)

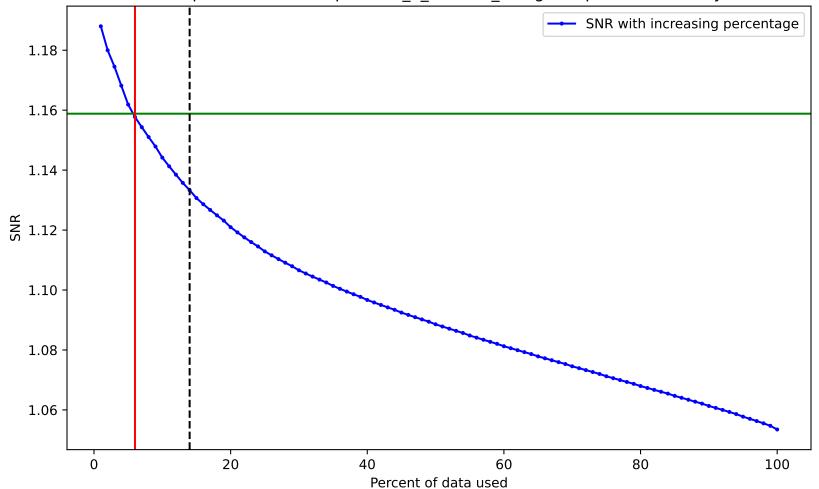


SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.08.pow. Drowned by noise at 10.0%.

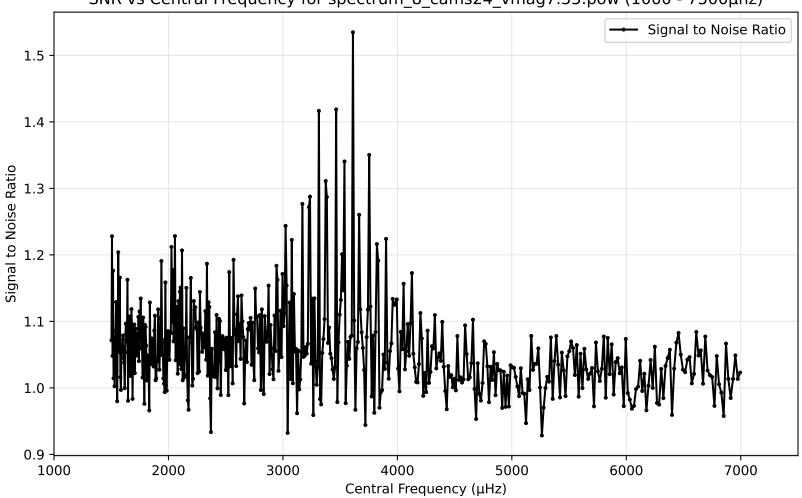


SNR vs Central Frequency for spectrum\_7\_cams24\_vmag9.77.pow (1000 - 7500µhz) 1.20 Signal to Noise Ratio 1.15 Signal to Noise Ratio 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000 Central Frequency (µHz)

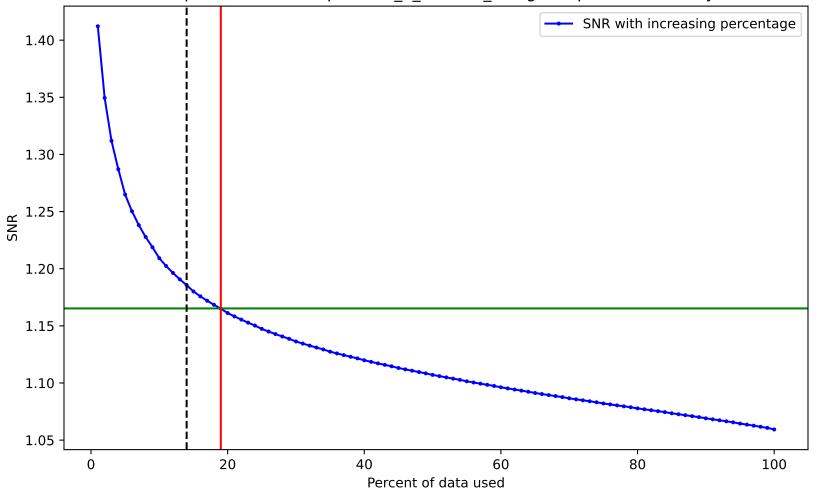
SNR variation for top n% of data for spectrum\_7\_cams24\_vmag9.77.pow. Drowned by noise at 6.0%.



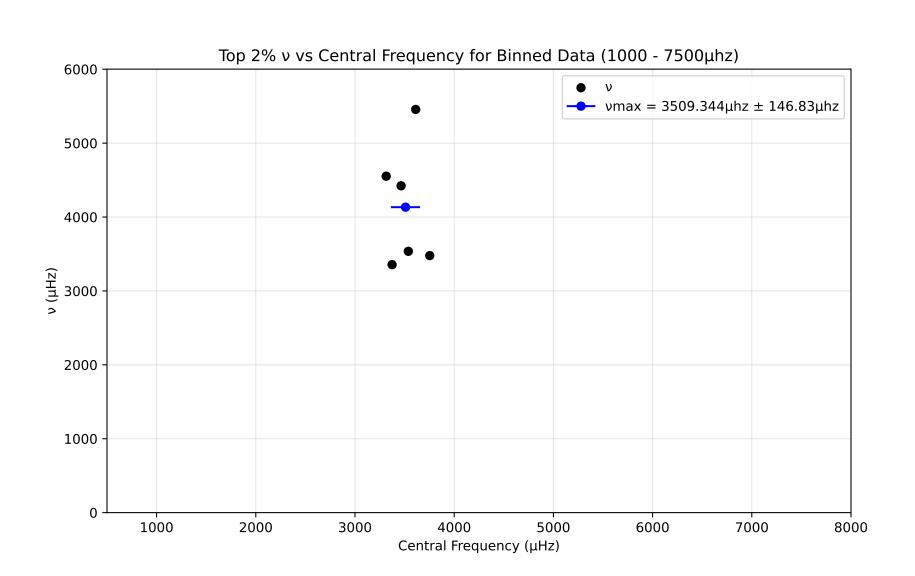
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.55.pow (1000 - 7500µhz)

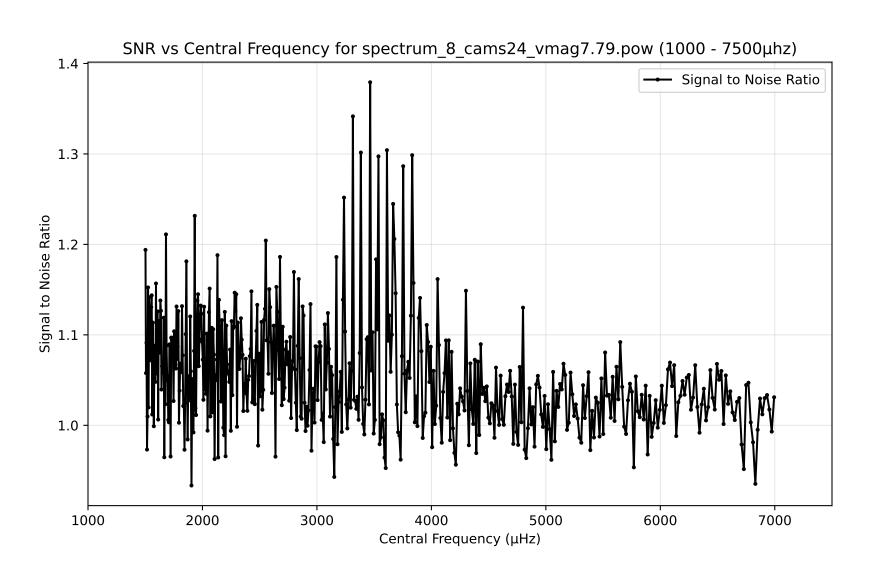


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.55.pow. Drowned by noise at 19.0%.

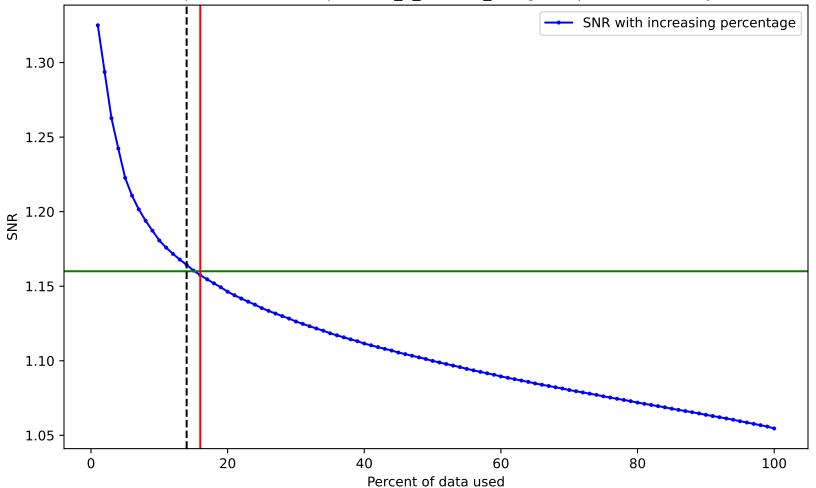


ν vs Central Frequency for Binned Data (1000 - 7500μhz) v (µHz) -1000 Central Frequency (µHz)



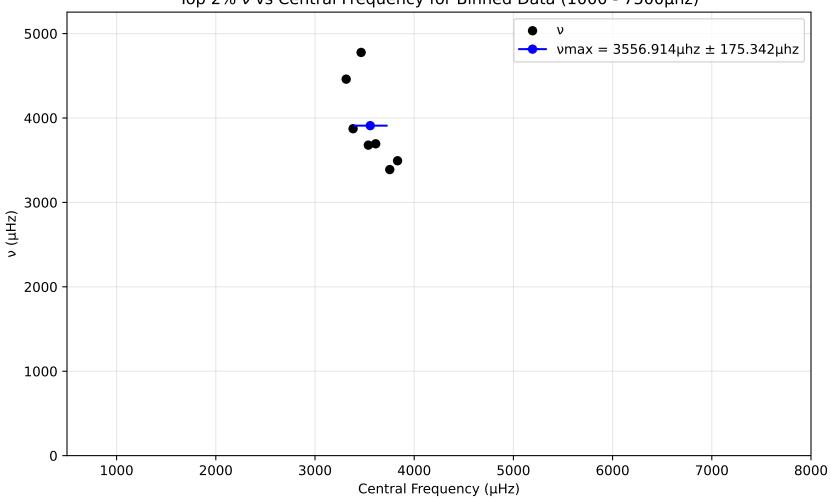


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.79.pow. Drowned by noise at 16.0%.

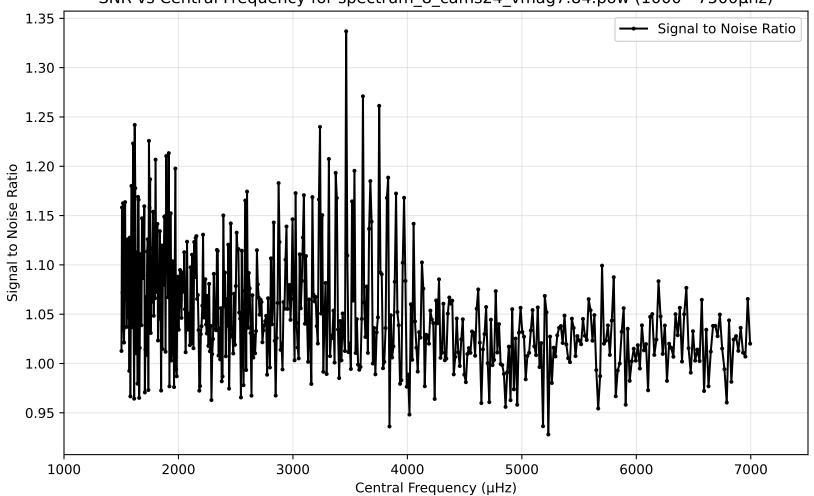


 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 Central Frequency (µHz)

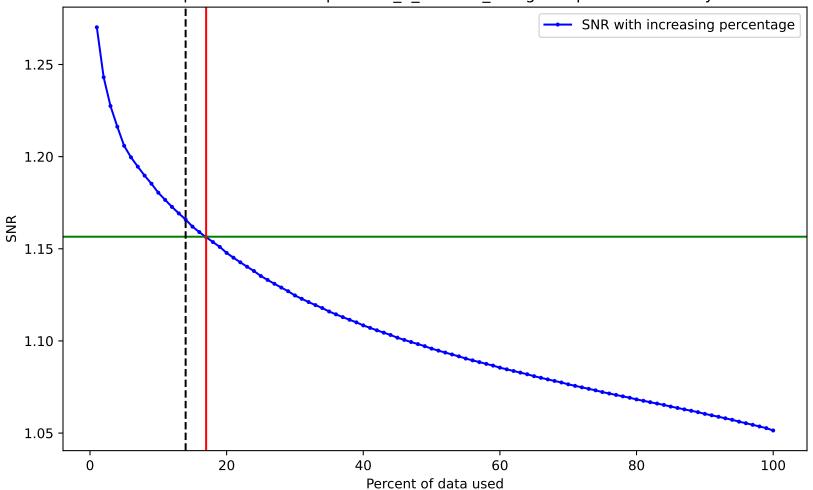
Top 2% ν vs Central Frequency for Binned Data (1000 - 7500μhz)



SNR vs Central Frequency for spectrum\_8\_cams24\_vmag7.84.pow (1000 - 7500µhz)

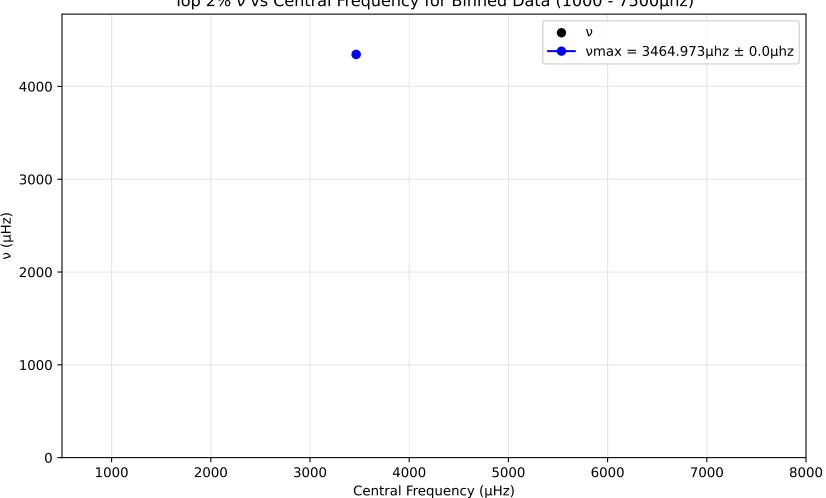


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag7.84.pow. Drowned by noise at 17.0%.



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)



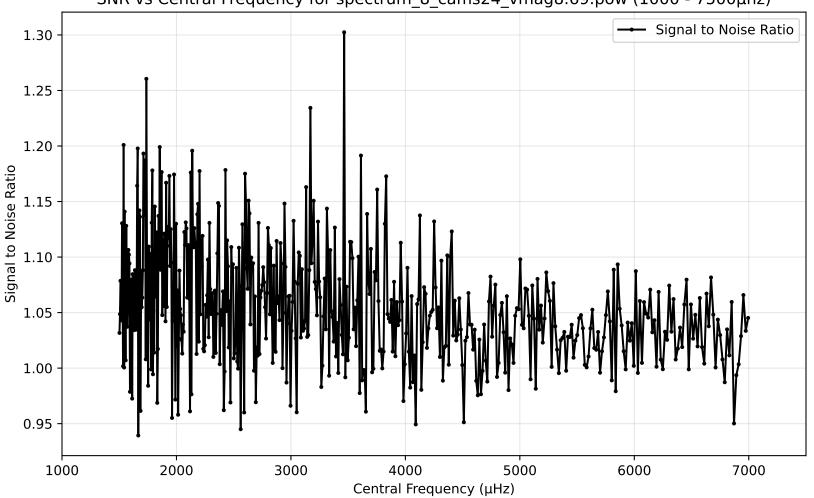
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag8.38.pow (1000 - 7500µhz) 1.30 Signal to Noise Ratio 1.25 1.20 Signal to Noise Ratio 01.1 - 1.10 - 1 1.00 0.95 0.90 1000 2000 3000 4000 5000 6000 7000

Central Frequency (µHz)

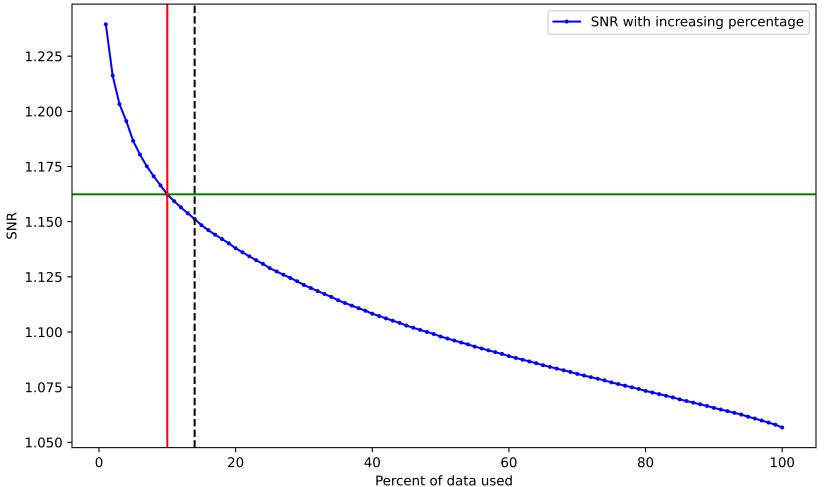
SNR variation for top n% of data for spectrum\_8\_cams24\_vmag8.38.pow. Drowned by noise at 11.0%. 1.250 -SNR with increasing percentage 1.225 1.200 1.175 -₩ 1.150 -1.125 1.100 1.075 -1.050 -20 40 60 80 100

Percent of data used

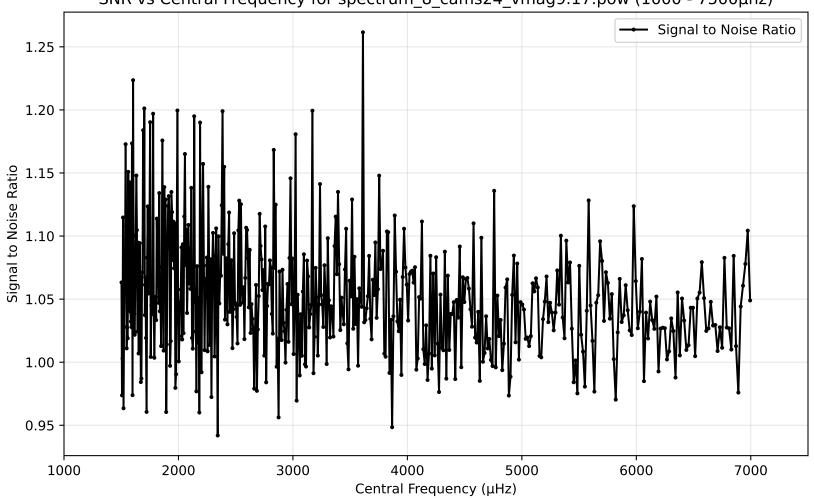
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag8.69.pow (1000 - 7500µhz)

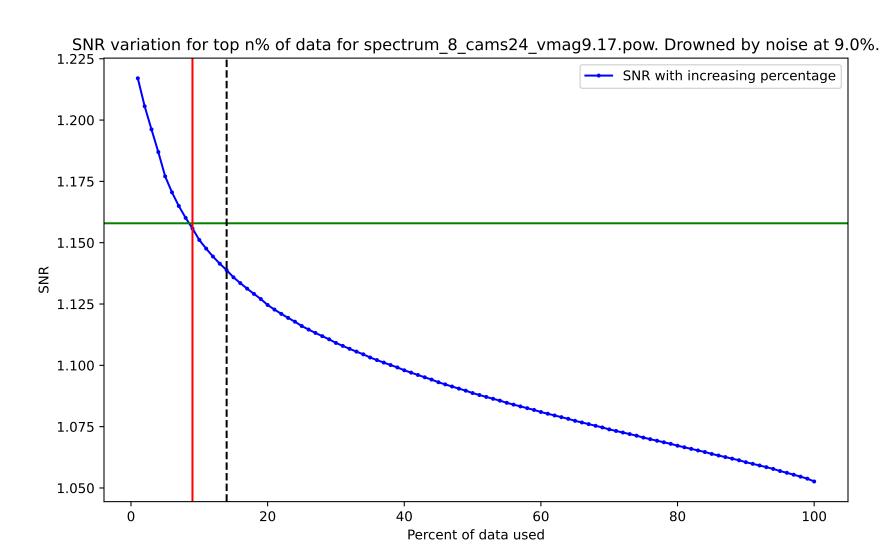


SNR variation for top n% of data for spectrum\_8\_cams24\_vmag8.69.pow. Drowned by noise at 10.0%.



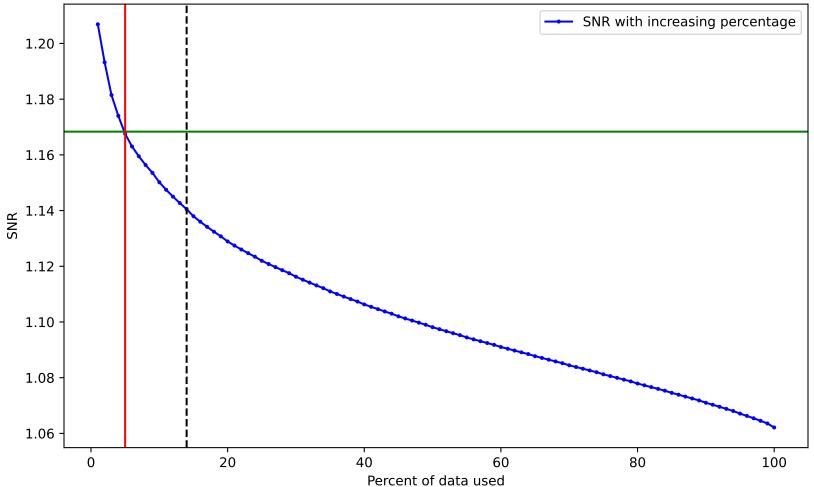
SNR vs Central Frequency for spectrum\_8\_cams24\_vmag9.17.pow (1000 - 7500µhz)



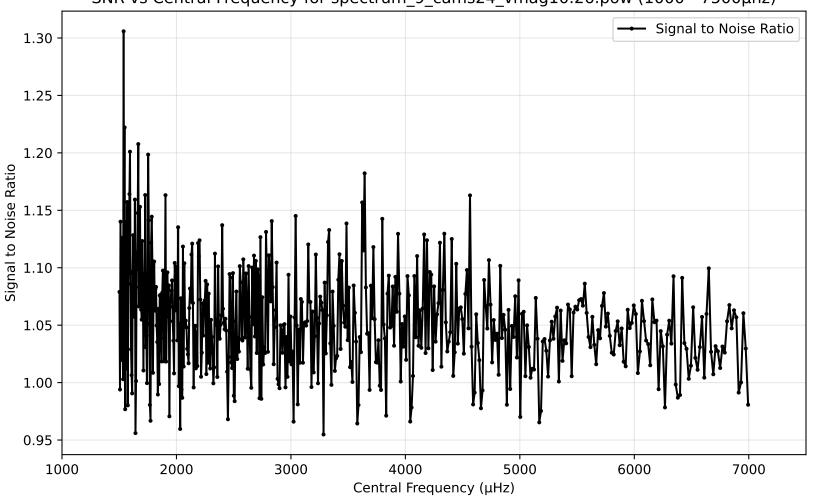


SNR vs Central Frequency for spectrum\_9\_cams24\_vmag10.23.pow (1000 - 7500µhz) 1.25 Signal to Noise Ratio 1.20 1.15 Signal to Noise Ratio 1.10 1.05 1.00 0.95 1000 2000 3000 4000 6000 7000 5000 Central Frequency (µHz)

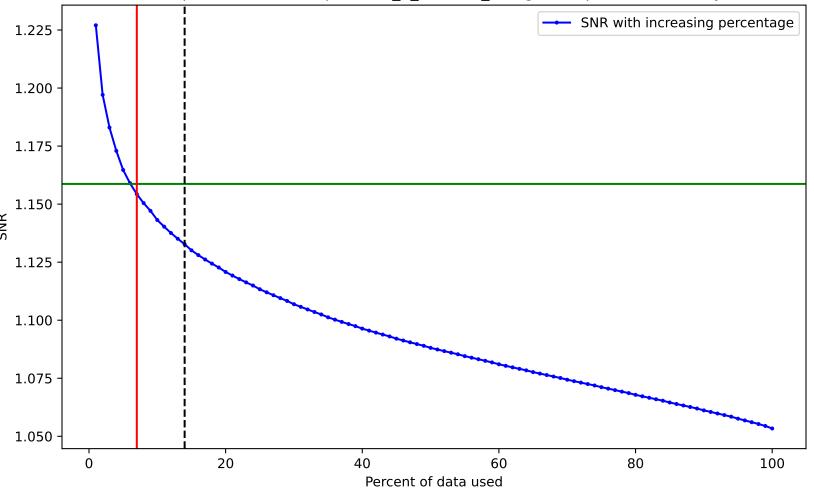
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag10.23.pow. Drowned by noise at 5.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag10.26.pow (1000 -  $7500\mu hz$ )



SNR variation for top n% of data for spectrum\_9\_cams24\_vmag10.26.pow. Drowned by noise at 7.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag10.40.pow (1000 - 7500µhz) Signal to Noise Ratio 1.10 -1.05

4000

Central Frequency (µHz)

5000

6000

7000

1.20

1.15

1.00

0.95

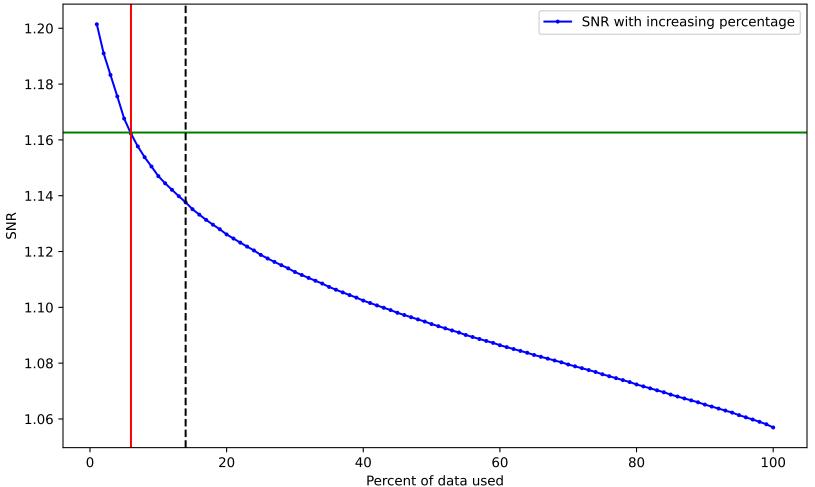
1000

2000

3000

Signal to Noise Ratio

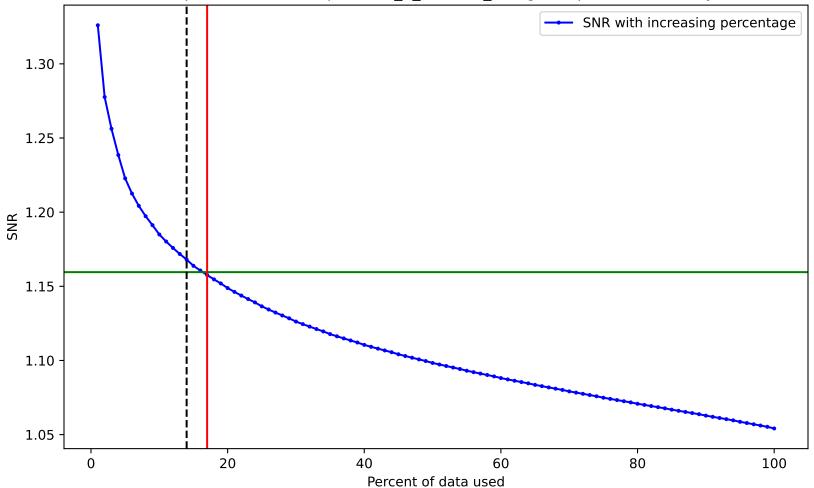
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag10.40.pow. Drowned by noise at 6.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag7.76.pow (1000 - 7500µhz) 1.4 Signal to Noise Ratio 1.3 Signal to Noise Ratio 1.1 1.2 1.0 1000 2000 3000 4000 5000 6000 7000

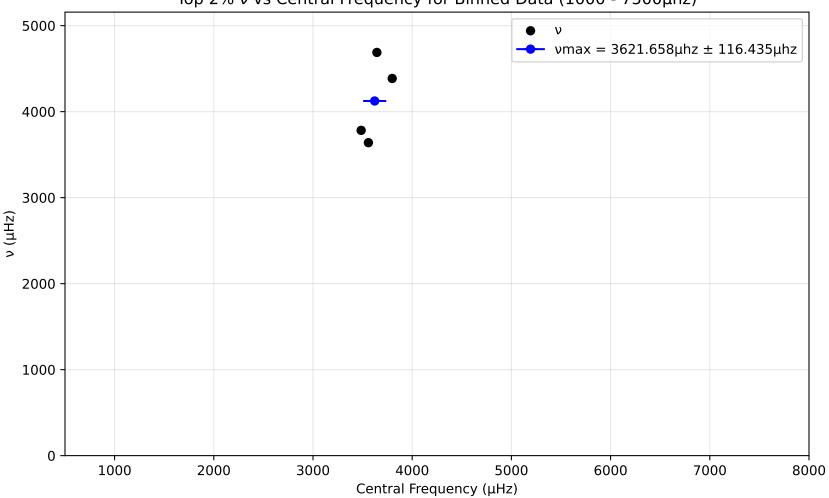
Central Frequency (µHz)

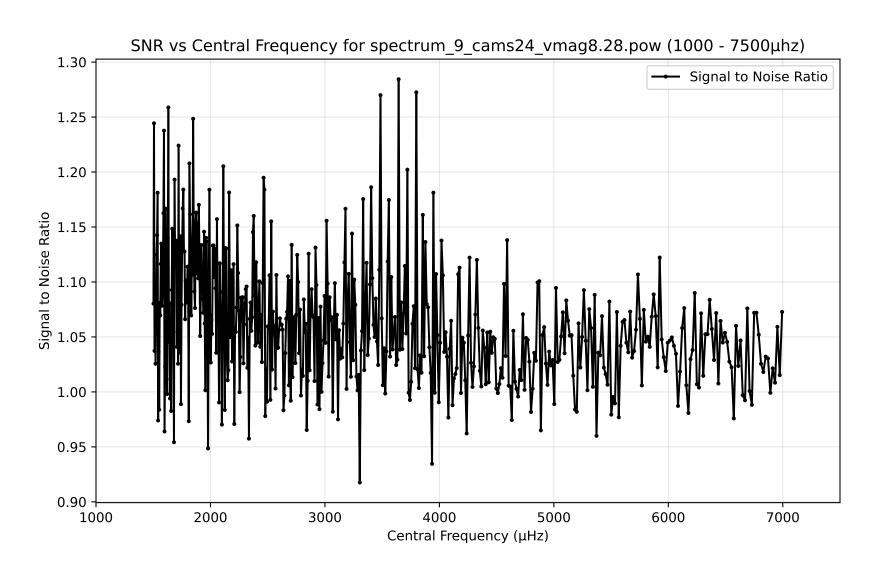
SNR variation for top n% of data for spectrum\_9\_cams24\_vmag7.76.pow. Drowned by noise at 17.0%.



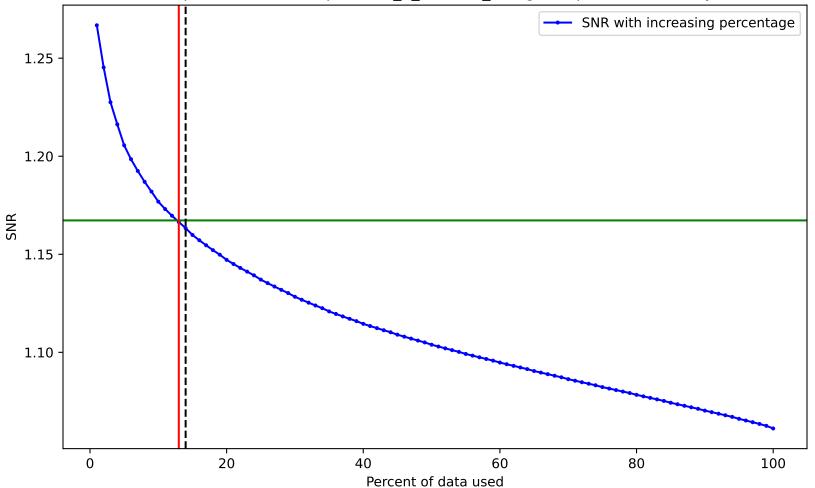
 $\nu$  vs Central Frequency for Binned Data (1000 - 7500 $\mu$ hz) v (µHz) -1000 -Central Frequency (µHz)

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





SNR variation for top n% of data for spectrum\_9\_cams24\_vmag8.28.pow. Drowned by noise at 13.0%.



SNR vs Central Frequency for spectrum\_9\_cams24\_vmag9.48.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\_9\_cams24\_vmag9.48.pow. Drowned by noise at 6.0%.

