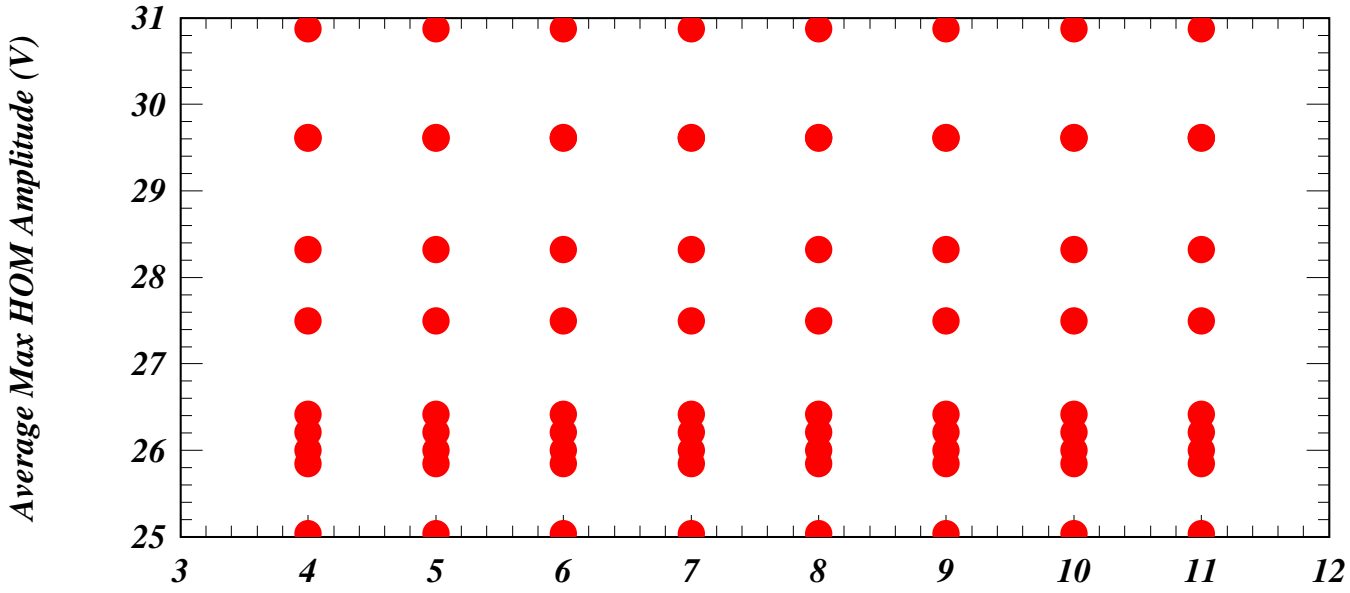
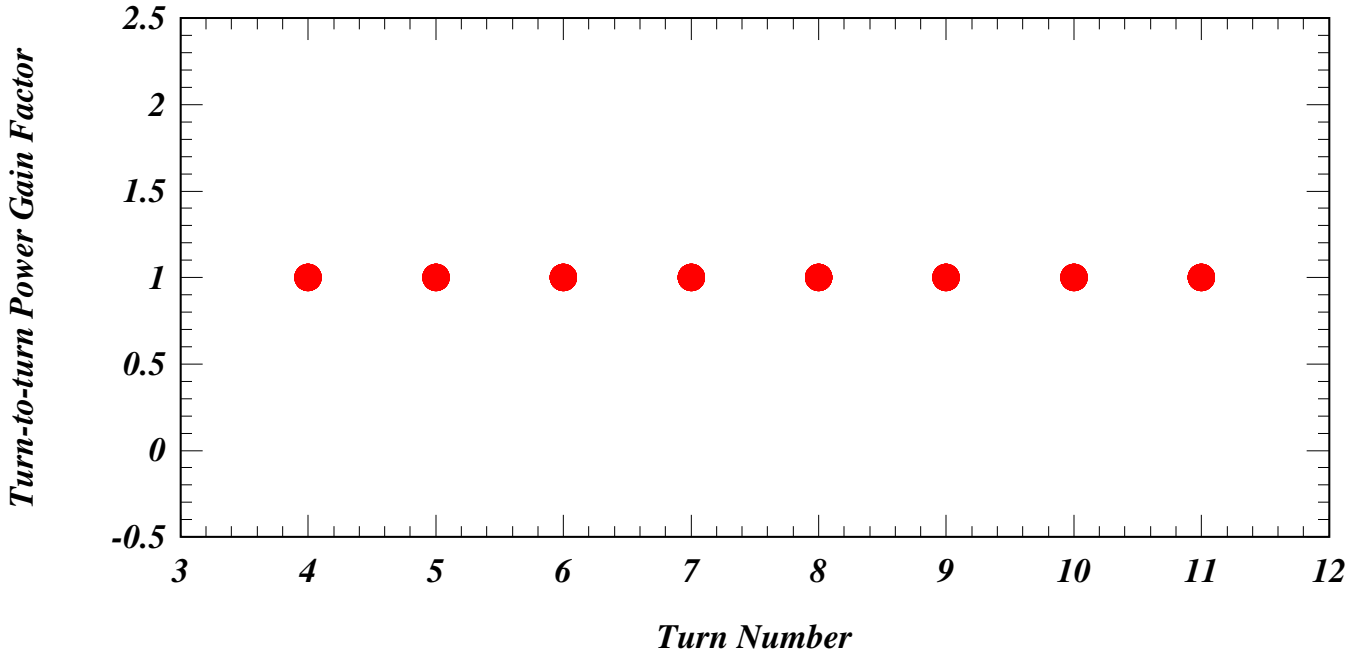
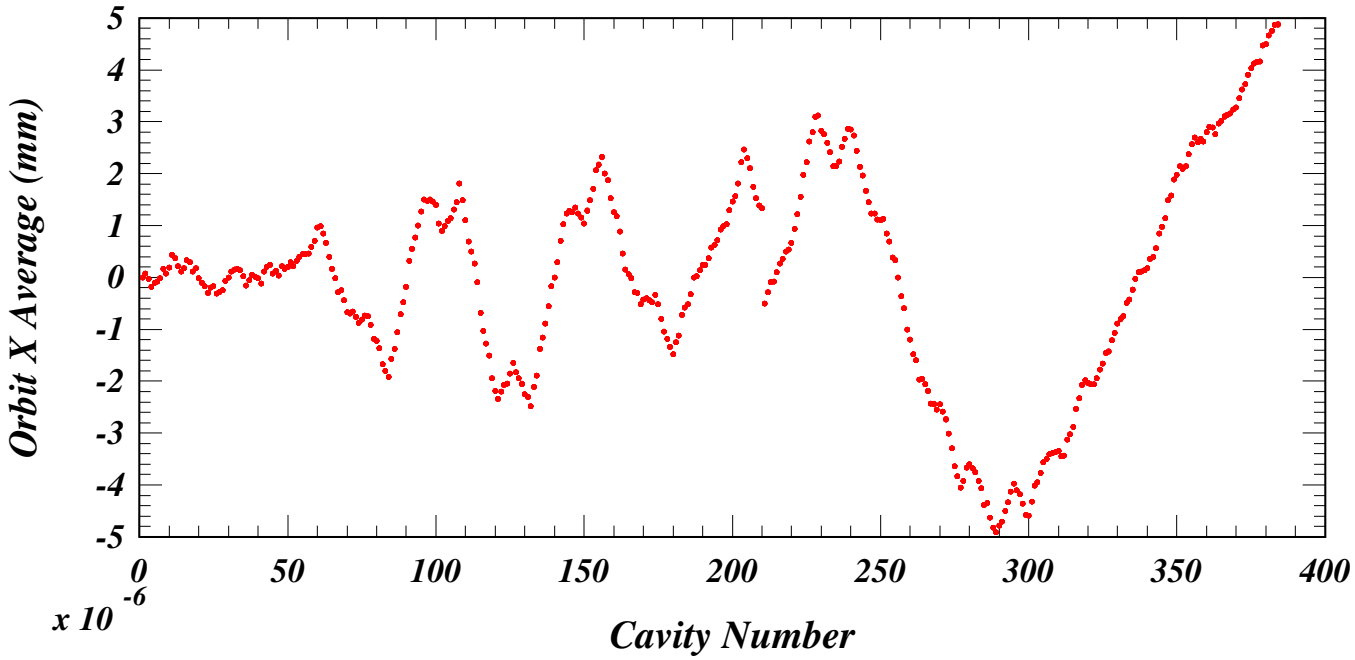
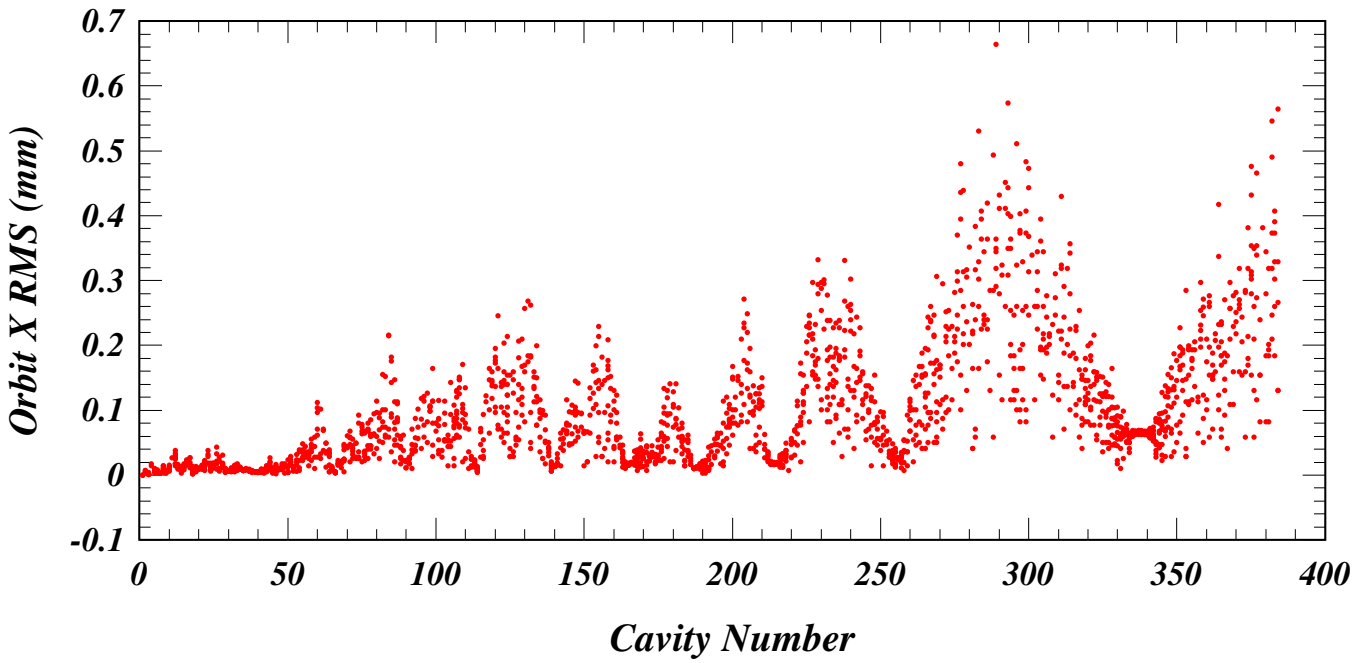
Job 329


Average Max HOM Amplitude (V)
31
30
29
28
27
26
25
3
4
5
6
7
8
9
10
11
12
Turn Number

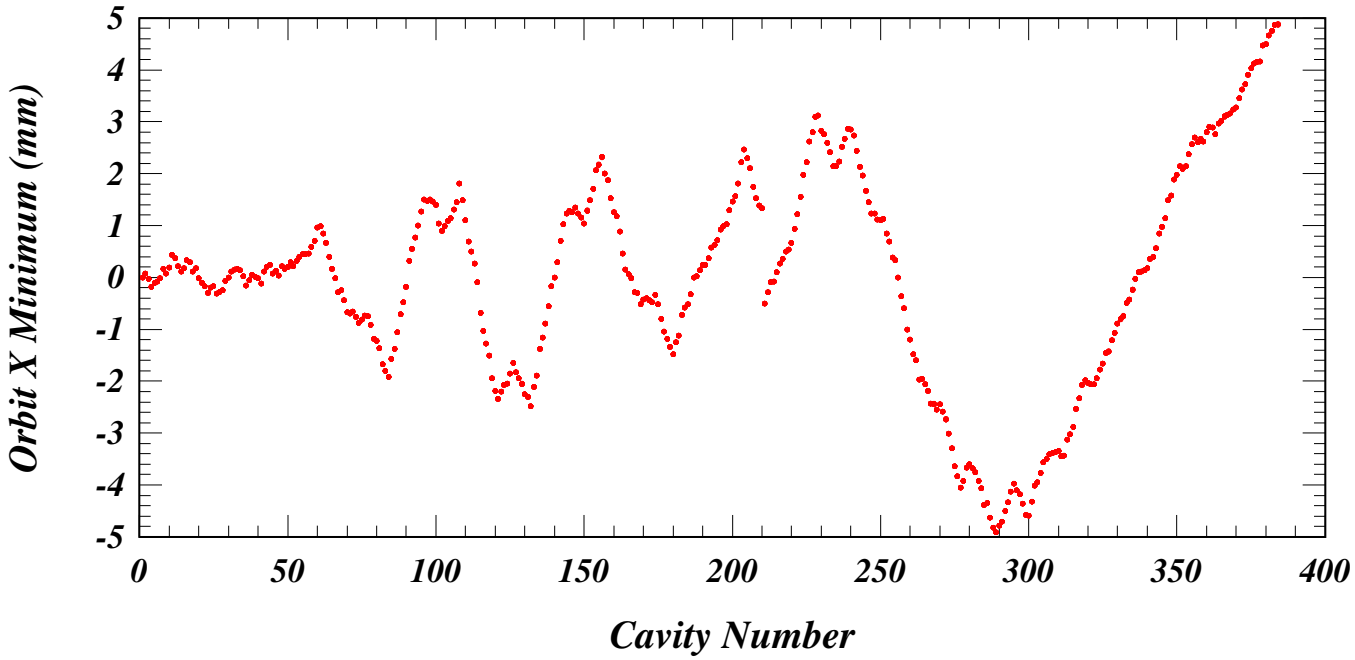

Turn-to-turn Power Gain Factor
2.5
2
1.5
1
0.5
0
-0.5
3
4
5
6
7
8
9
10
11
12
Turn Number

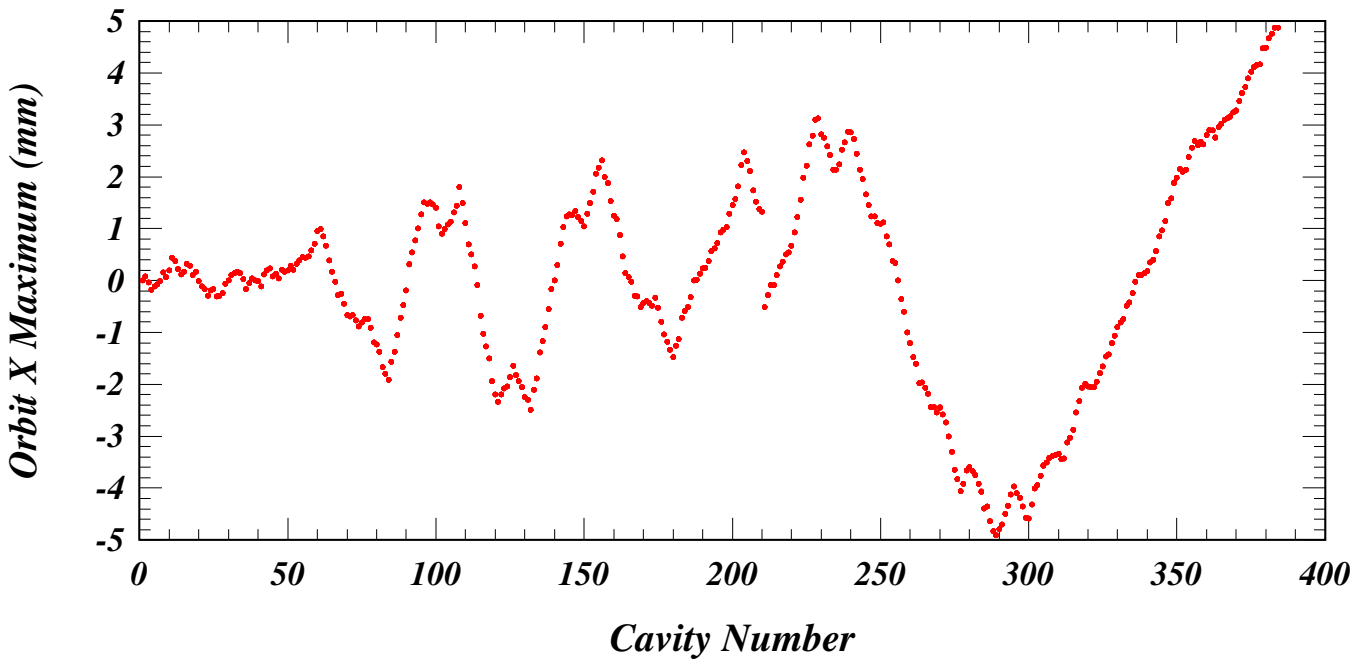
Job 329


Orbit X Average (mm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
50
100
150
200
250
300
350
400
x 10 -6
Cavity Number

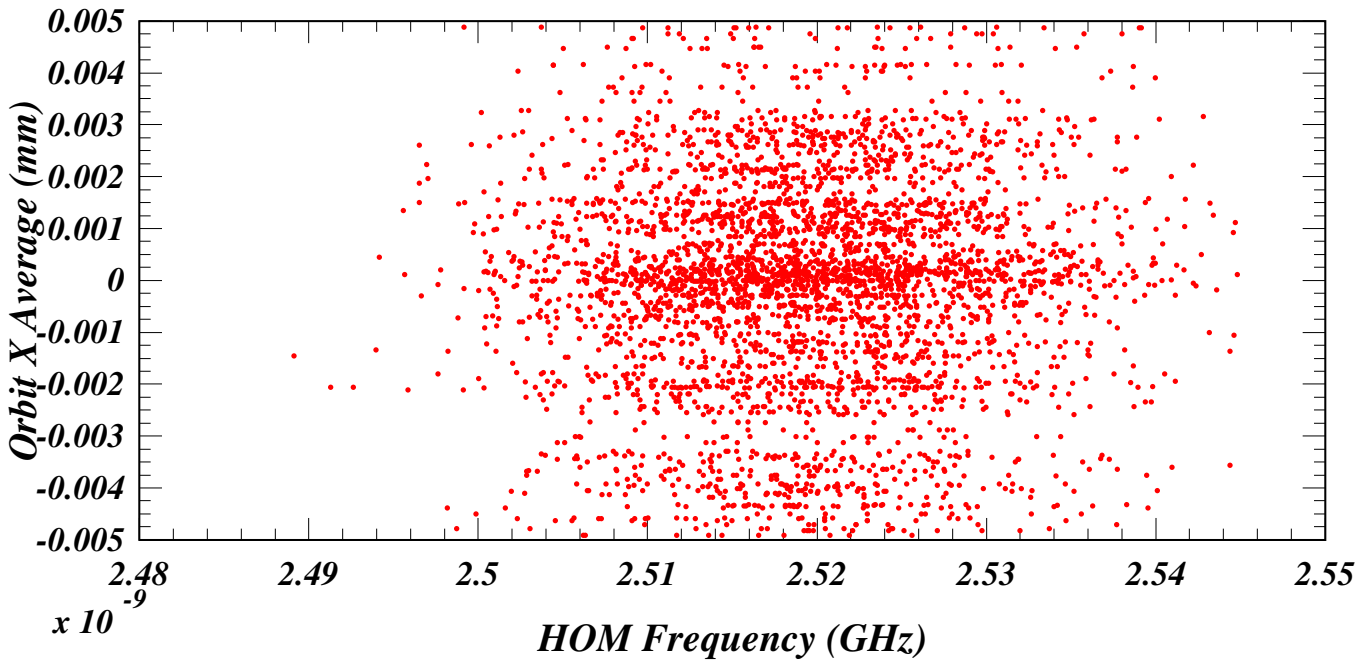

Orbit X RMS (mm)
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
0
50
100
150
200
250
300
350
400
Cavity Number

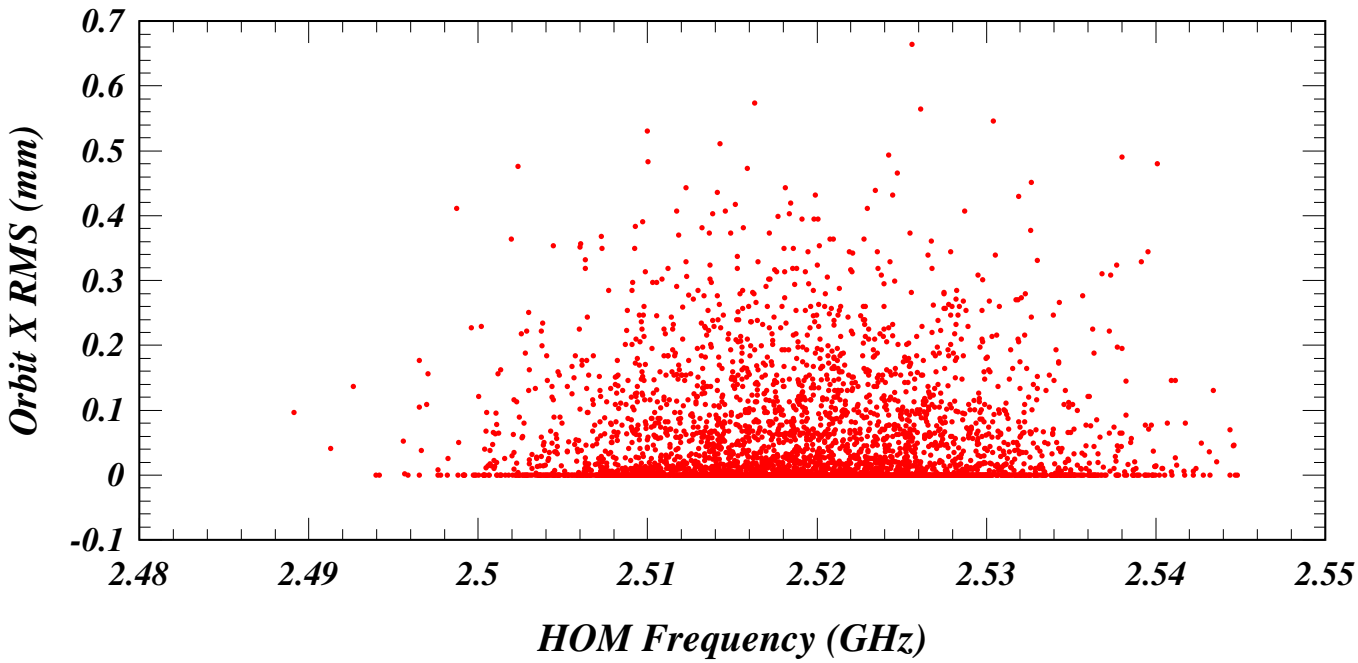
Job 329


Orbit X Minimum (mm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
50
100
150
200
250
300
350
400
Cavity Number

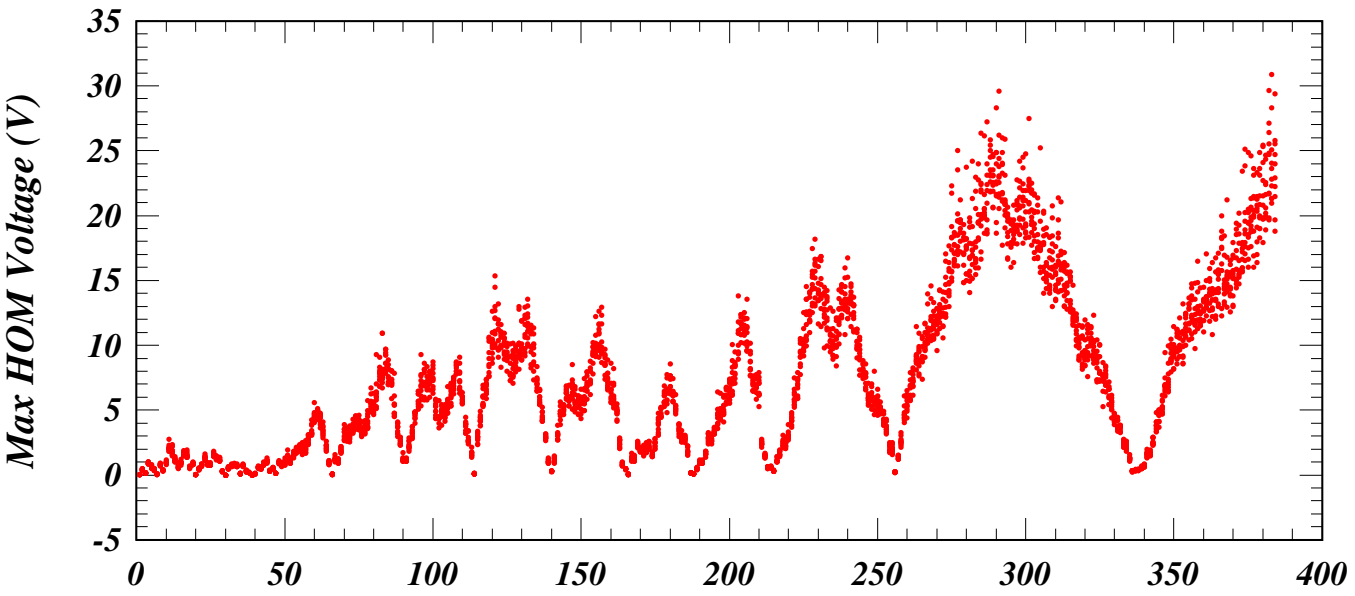

Orbit X Maximum (mm)
5
4
3
2
1
0
-1
-2
-3
-4
-5
0
50
100
150
200
250
300
350
400
Cavity Number

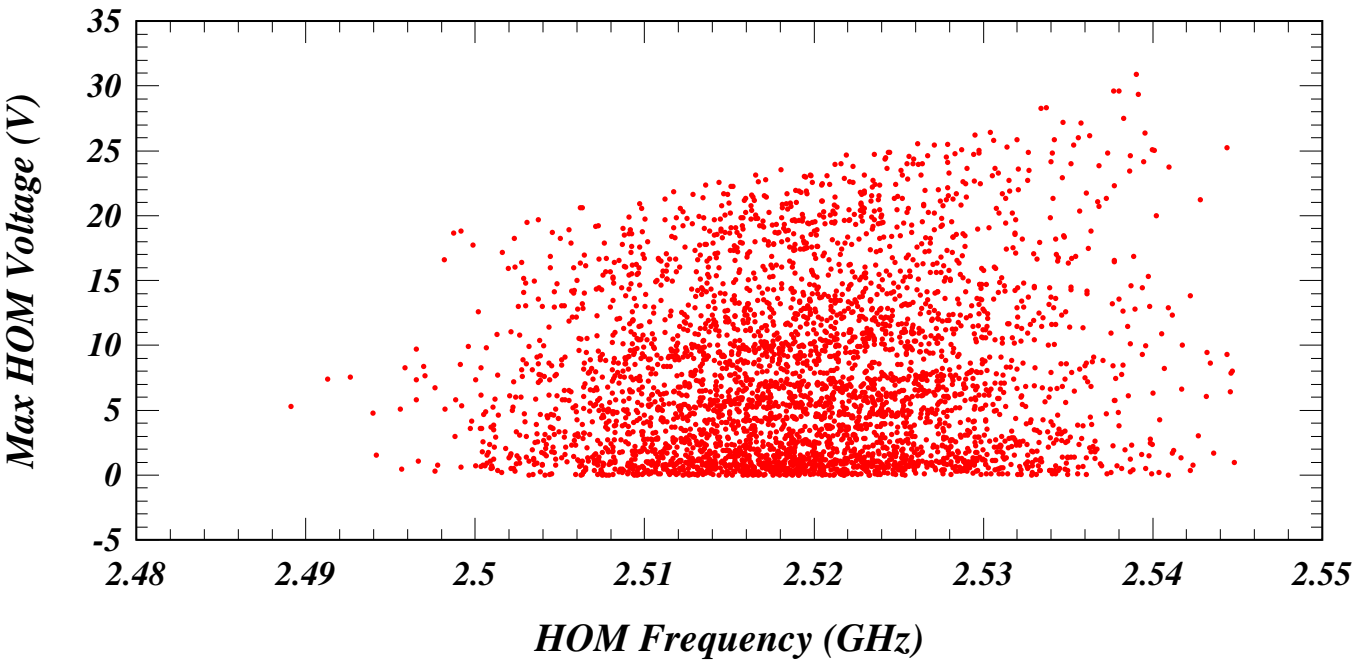
Job 329

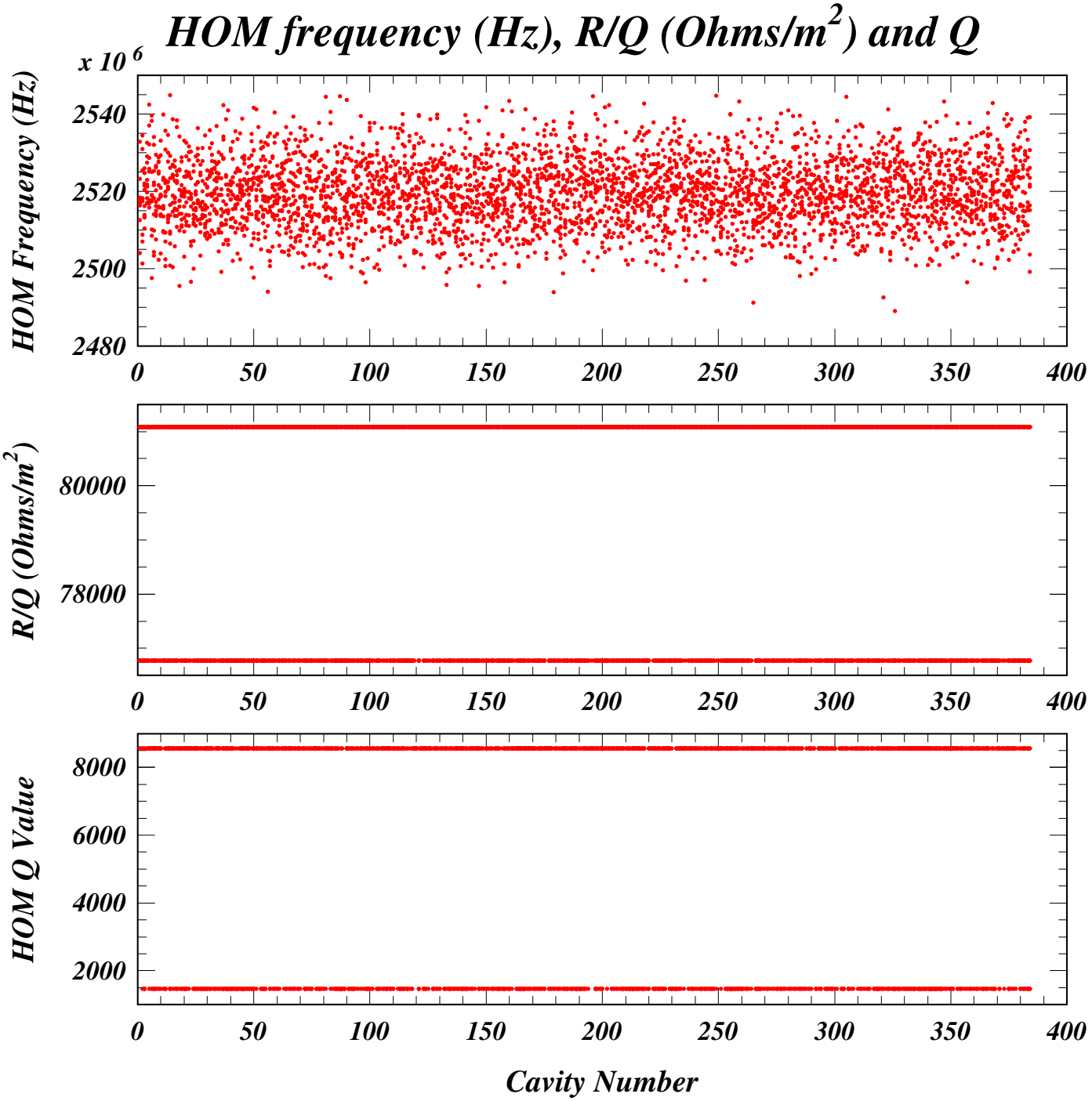
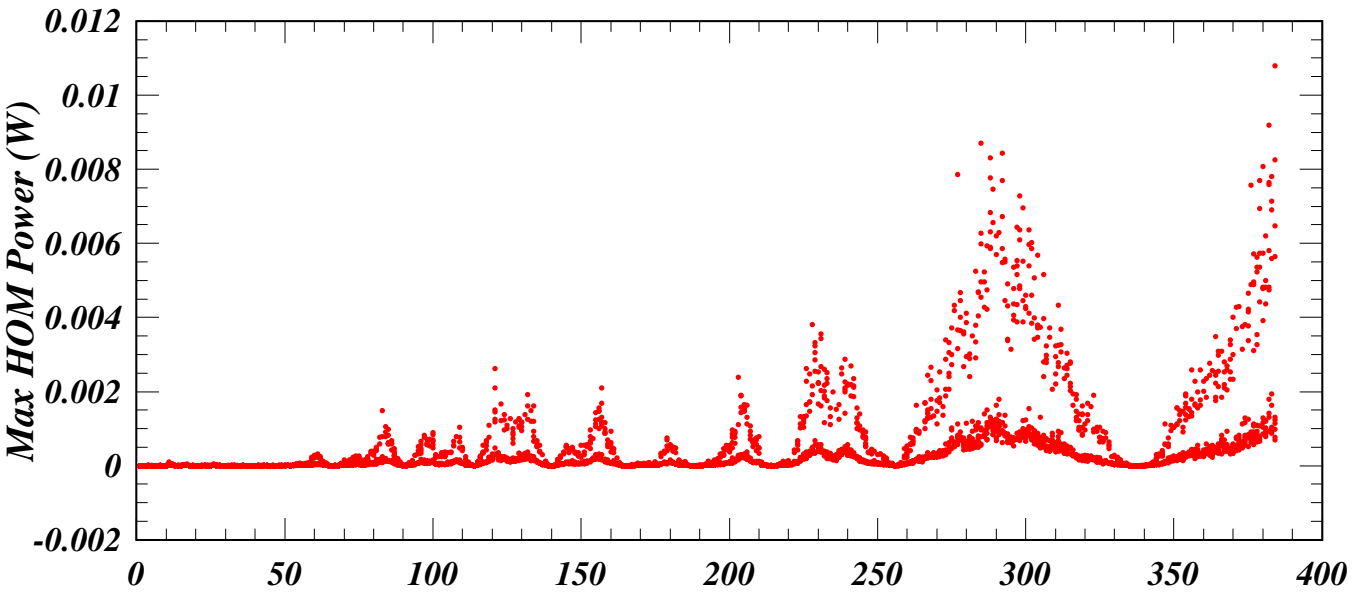
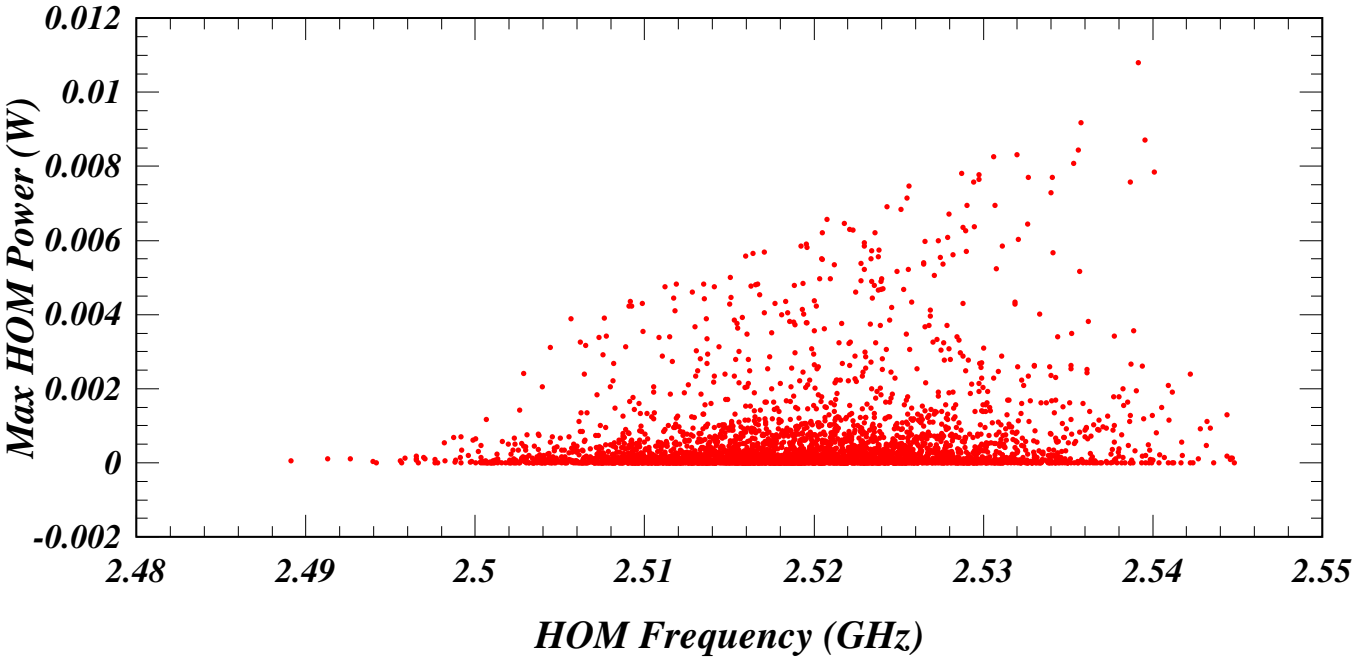

0.005
0.004
0.003
0.002
0.001
0
-0.001
-0.002
-0.003
-0.004
-0.005
Orbit X Average (mm)
2.48
2.49
2.5
2.51
2.52
2.53
2.54
2.55
x 10^-9
HOM Frequency (GHz)


0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.1
Orbit X RMS (mm)
2.48
2.49
2.5
2.51
2.52
2.53
2.54
2.55
HOM Frequency (GHz)

Job 329: Max HOM Voltages (V)






HOM frequency (Hz), R/Q (Ohms/m^2) and Q
x 10 6
HOM Frequency (Hz)
2540
2520
2500
2480
R/Q (Ohms/m^2)
80000
78000
HOM Q Value
8000
6000
4000
2000
0
50
100
150
200
250
300
350
400
Cavity Number

Job 329: Max HOM Power (W)