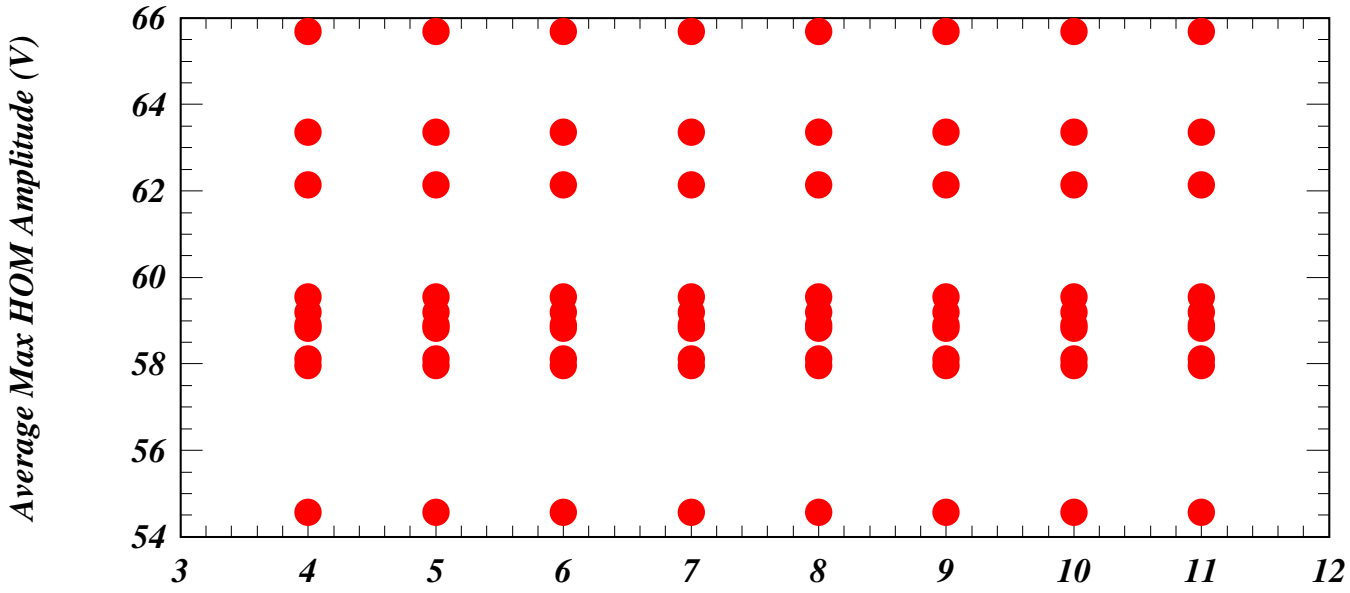
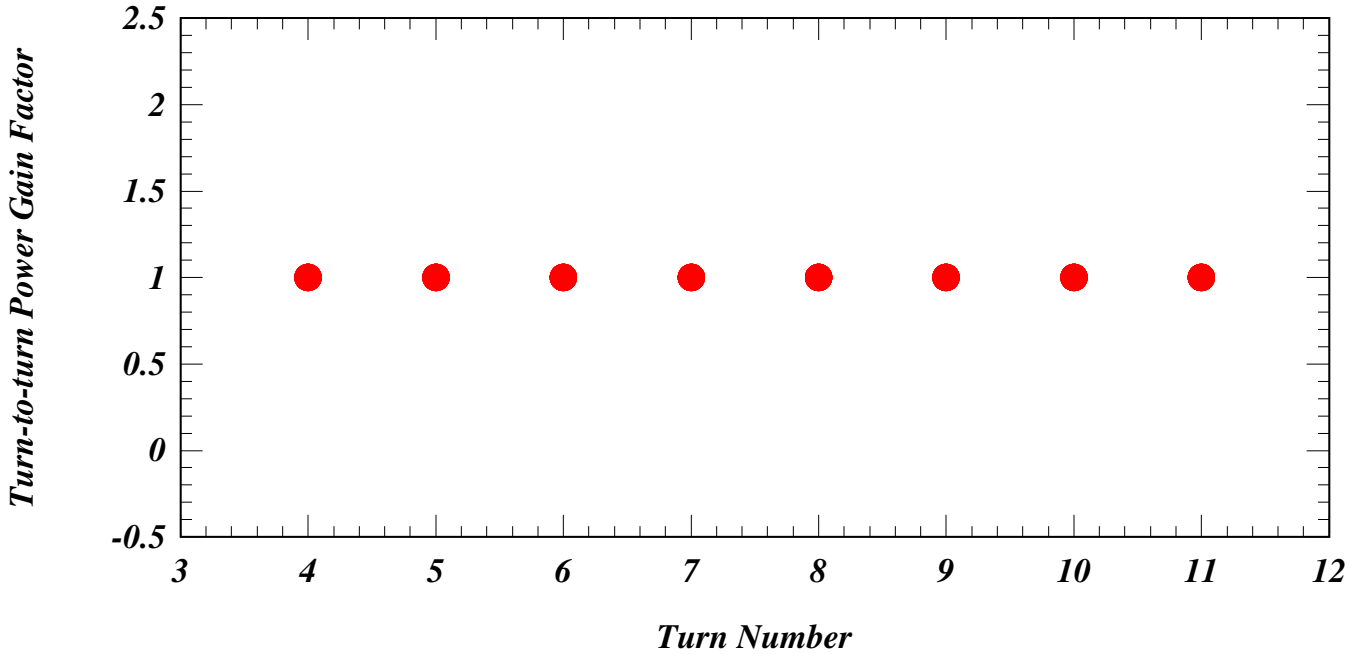
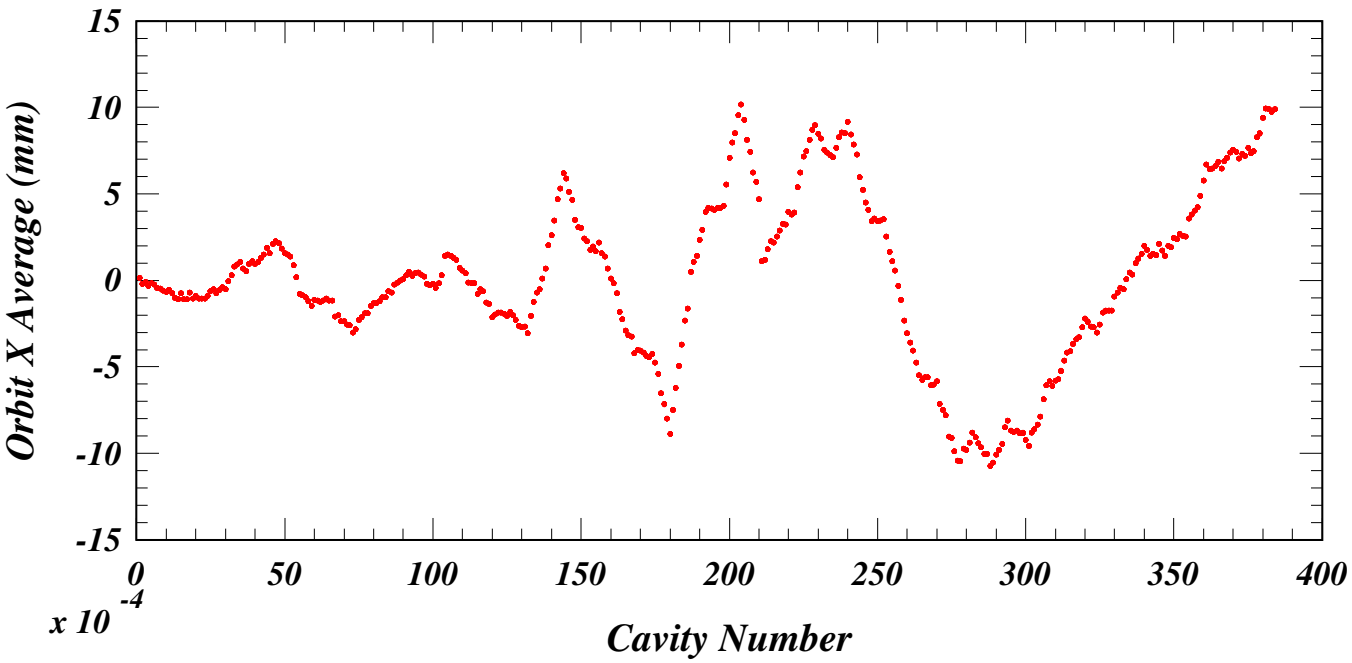
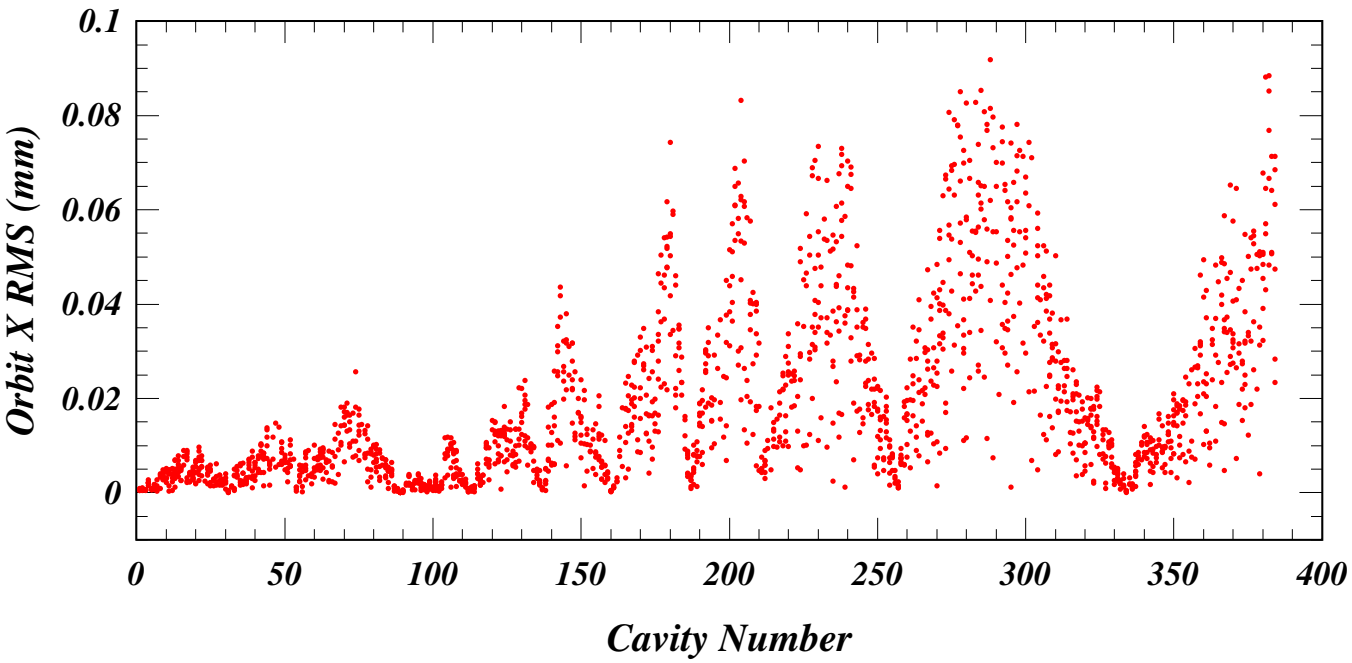
Job 349


Average Max HOM Amplitude (V)
66
64
62
60
58
56
54
3
4
5
6
7
8
9
10
11
12
Turn Number

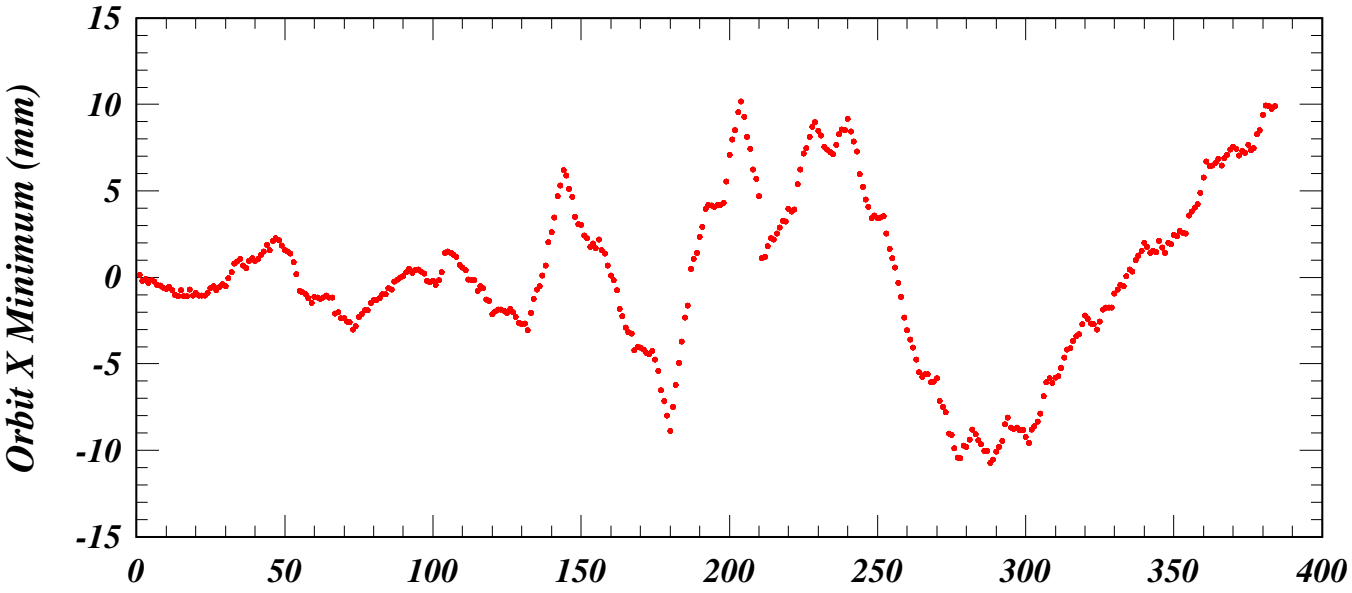

Turn-to-turn Power Gain Factor
2.5
2
1.5
1
0.5
0
-0.5
3
4
5
6
7
8
9
10
11
12
Turn Number

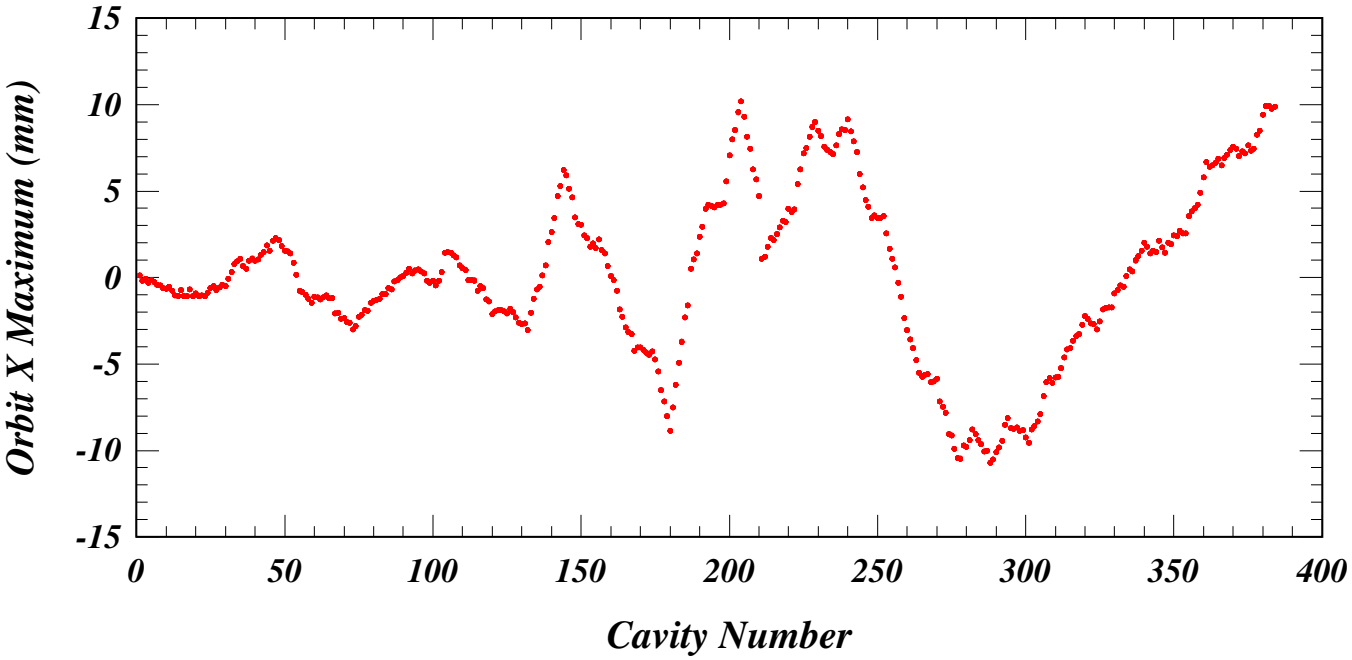
Job 349


Orbit X Average (mm)
15
10
5
0
-5
-10
-15
0
50
100
150
200
250
300
350
400
x 10 -4
Cavity Number

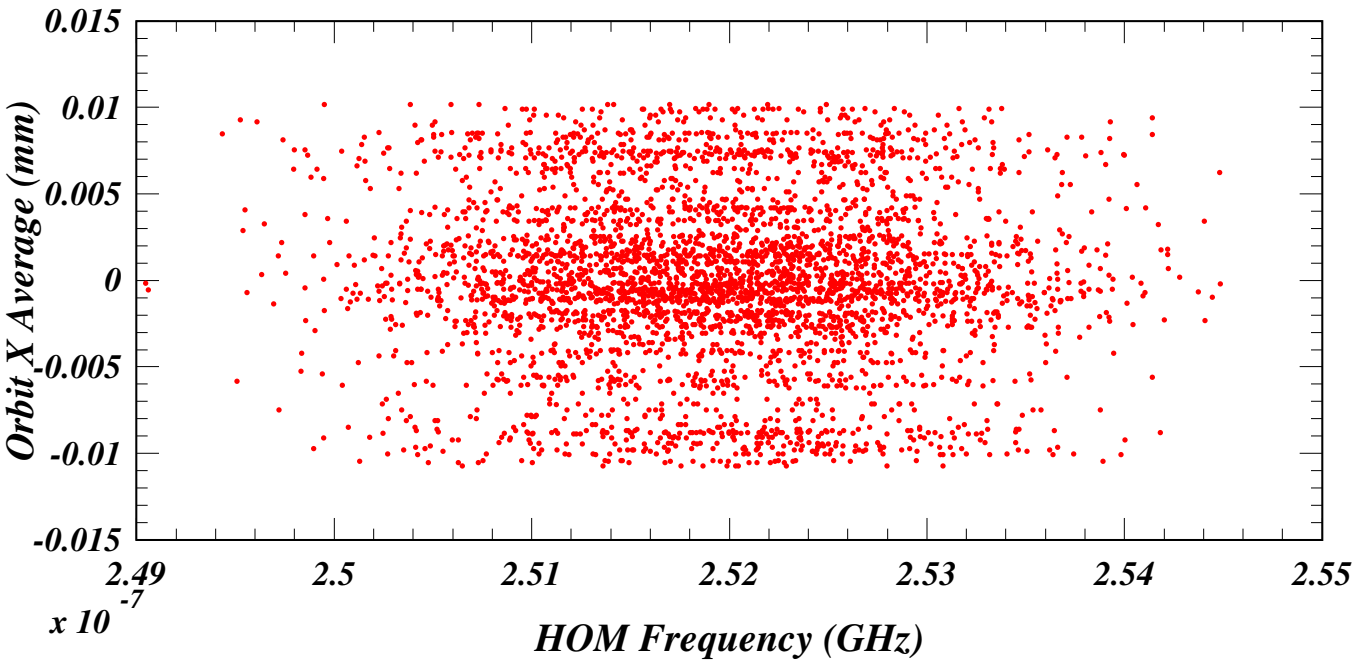

Orbit X RMS (mm)
0.1
0.08
0.06
0.04
0.02
0
0
50
100
150
200
250
300
350
400
Cavity Number

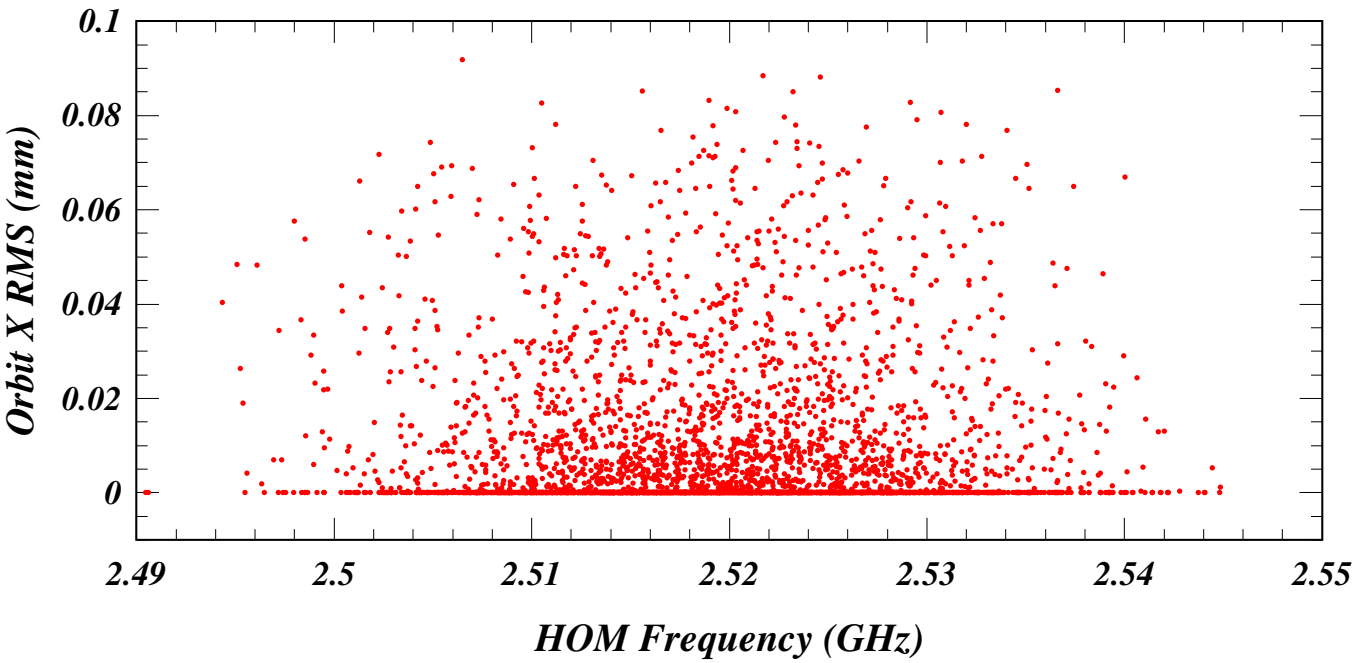
Job 349

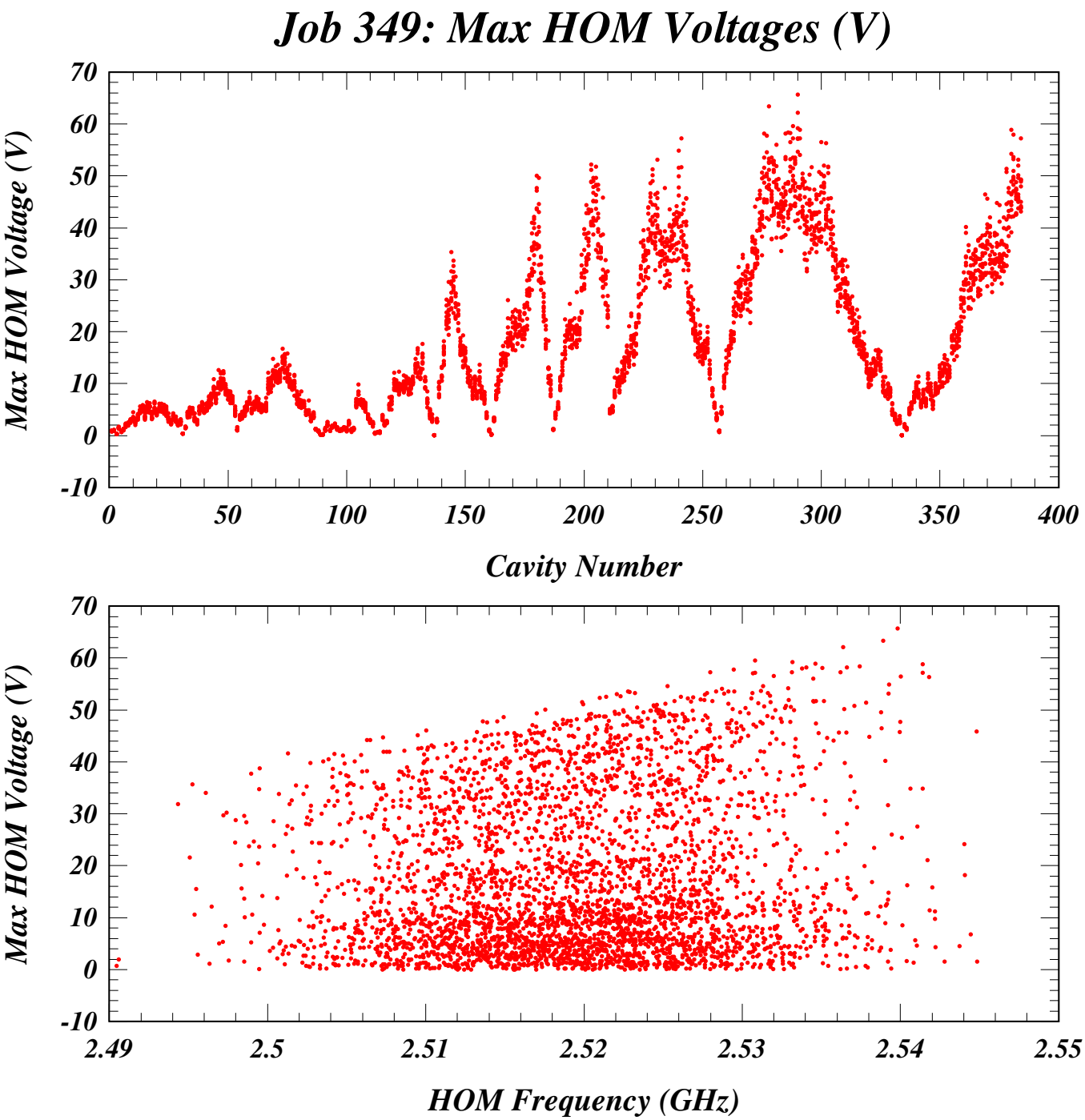

Orbit X Minimum (mm)
15
10
5
0
-5
-10
-15
0
50
100
150
200
250
300
350
400
Cavity Number

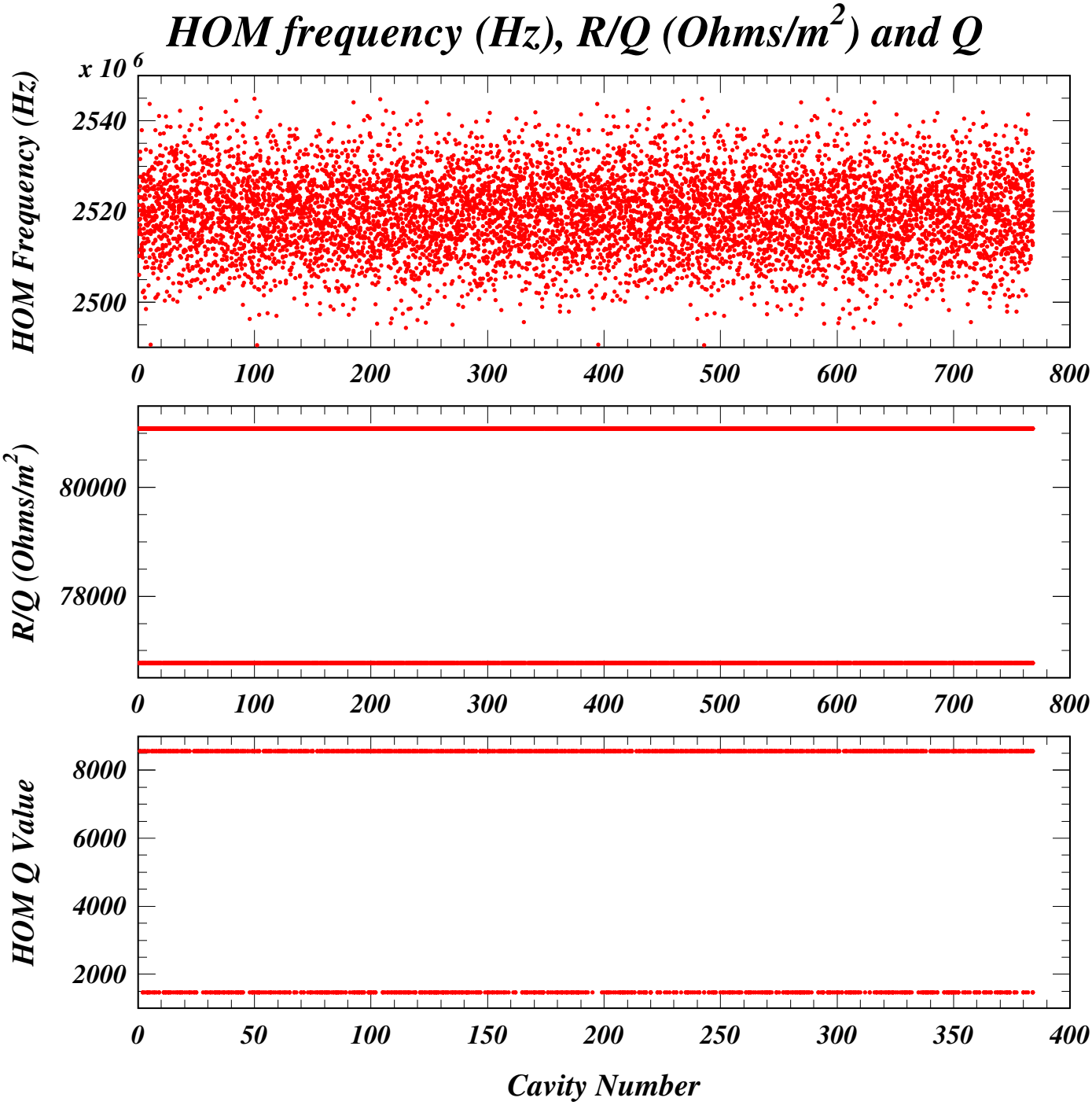

Orbit X Maximum (mm)
15
10
5
0
-5
-10
-15
0
50
100
150
200
250
300
350
400
Cavity Number

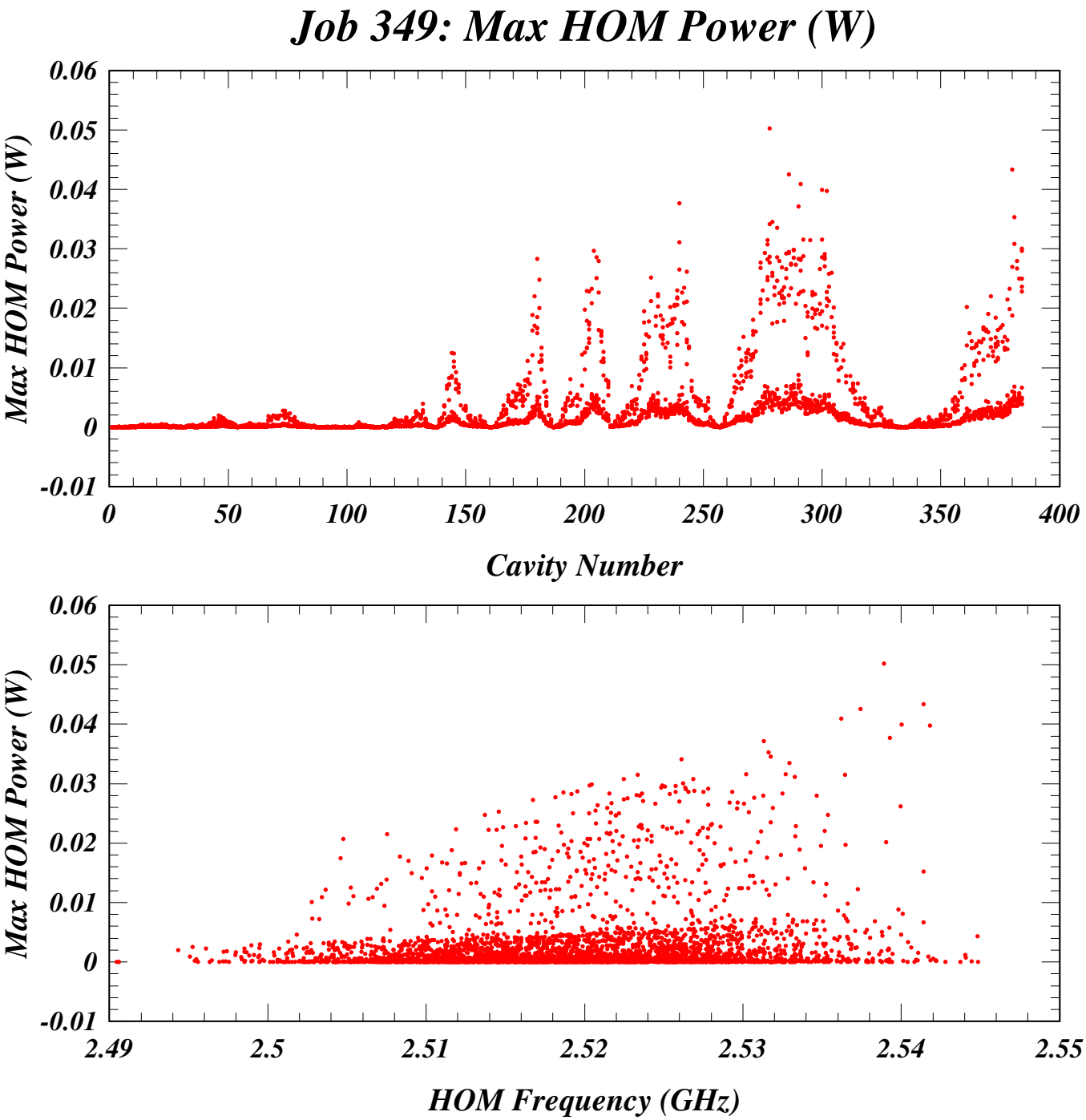
Job 349


0.015
0.01
0.005
0
-0.005
-0.01
-0.015
Orbit X Average (mm)
2.49
2.5
2.51
2.52
2.53
2.54
2.55
x 10^-7
HOM Frequency (GHz)


0.1
0.08
0.06
0.04
0.02
0
Orbit X RMS (mm)
2.49
2.5
2.51
2.52
2.53
2.54
2.55
HOM Frequency (GHz)


Job 349: Max HOM Voltages (V)
Max HOM Voltage (V)
70
60
50
40
30
20
10
0
-10
0
50
100
150
200
250
300
350
400
Cavity Number
Max HOM Voltage (V)
70
60
50
40
30
20
10
0
-10
2.49
2.5
2.51
2.52
2.53
2.54
2.55
HOM Frequency (GHz)


HOM frequency (Hz), R/Q (Ohms/m^2) and Q
x 10 6
HOM Frequency (Hz)
2540
2520
2500
0
100
200
300
400
500
600
700
800
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 349: Max HOM Power (W)
Max HOM Power (W)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
0
50
100
150
200
250
300
350
400
Cavity Number
Max HOM Power (W)
0.06
0.05
0.04
0.03
0.02
0.01
0
-0.01
2.49
2.5
2.51
2.52
2.53
2.54
2.55
HOM Frequency (GHz)