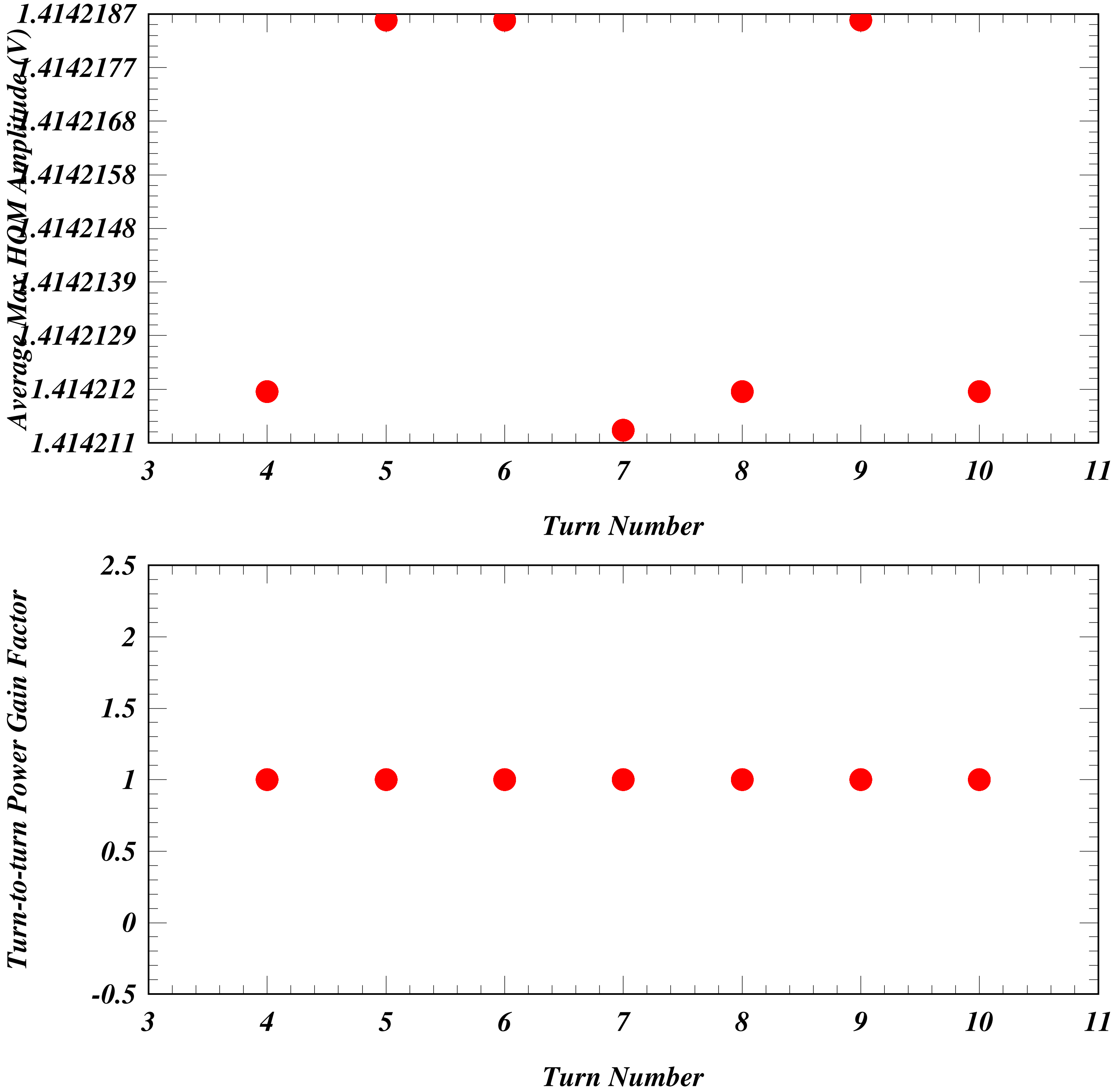
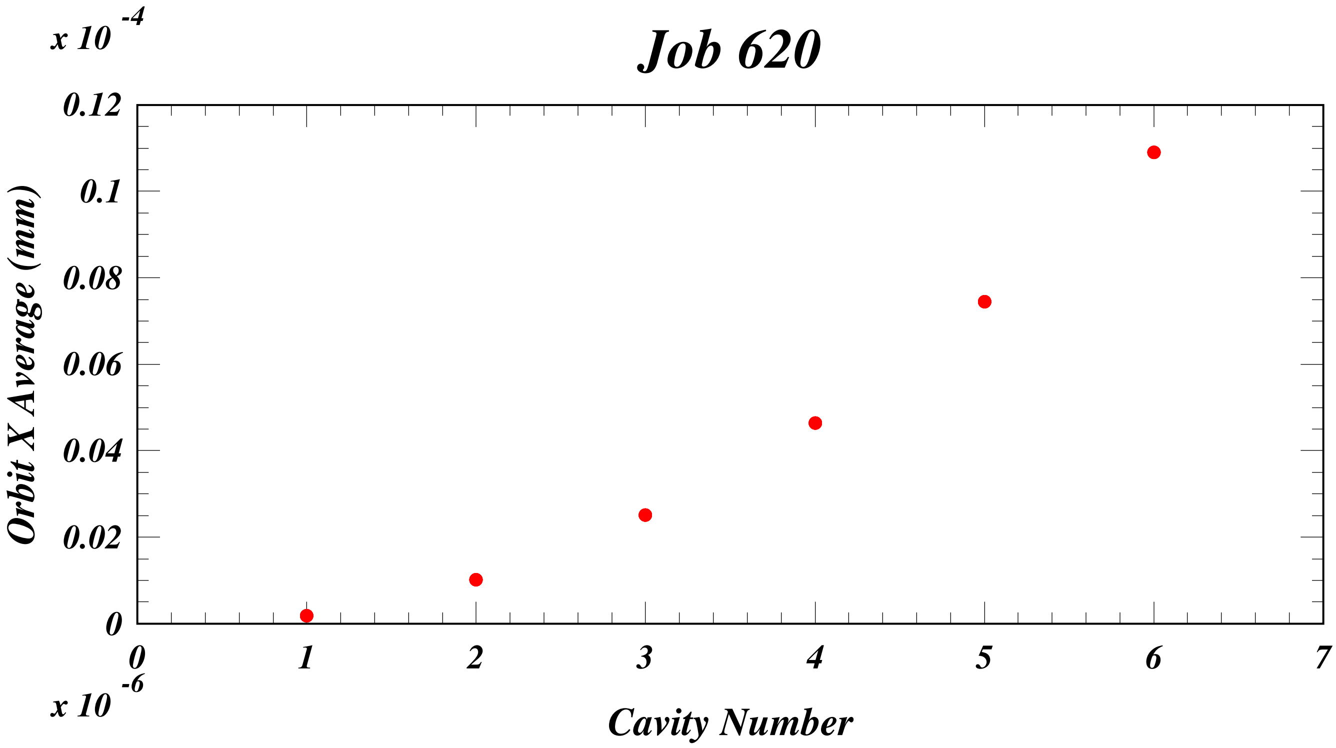
Job 620

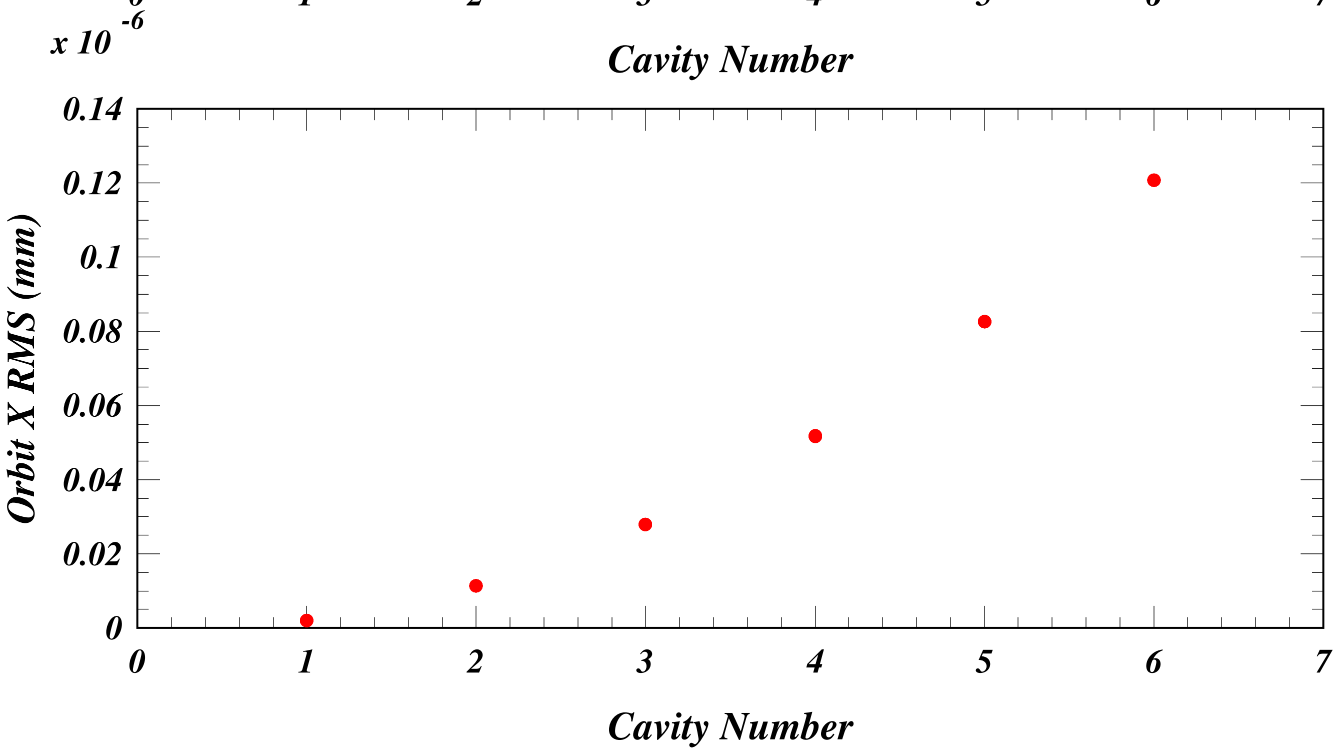


Average Max HOM Amplitude (V)
1.4142187
1.4142177
1.4142168
1.4142158
1.4142148
1.4142139
1.4142129
1.414212
1.414211
3
4
5
6
7
8
9
10
11
Turn Number
Turn-to-turn Power Gain Factor
2.5
2
1.5
1
0.5
0
-0.5
3
4
5
6
7
8
9
10
11
Turn Number

Job 620

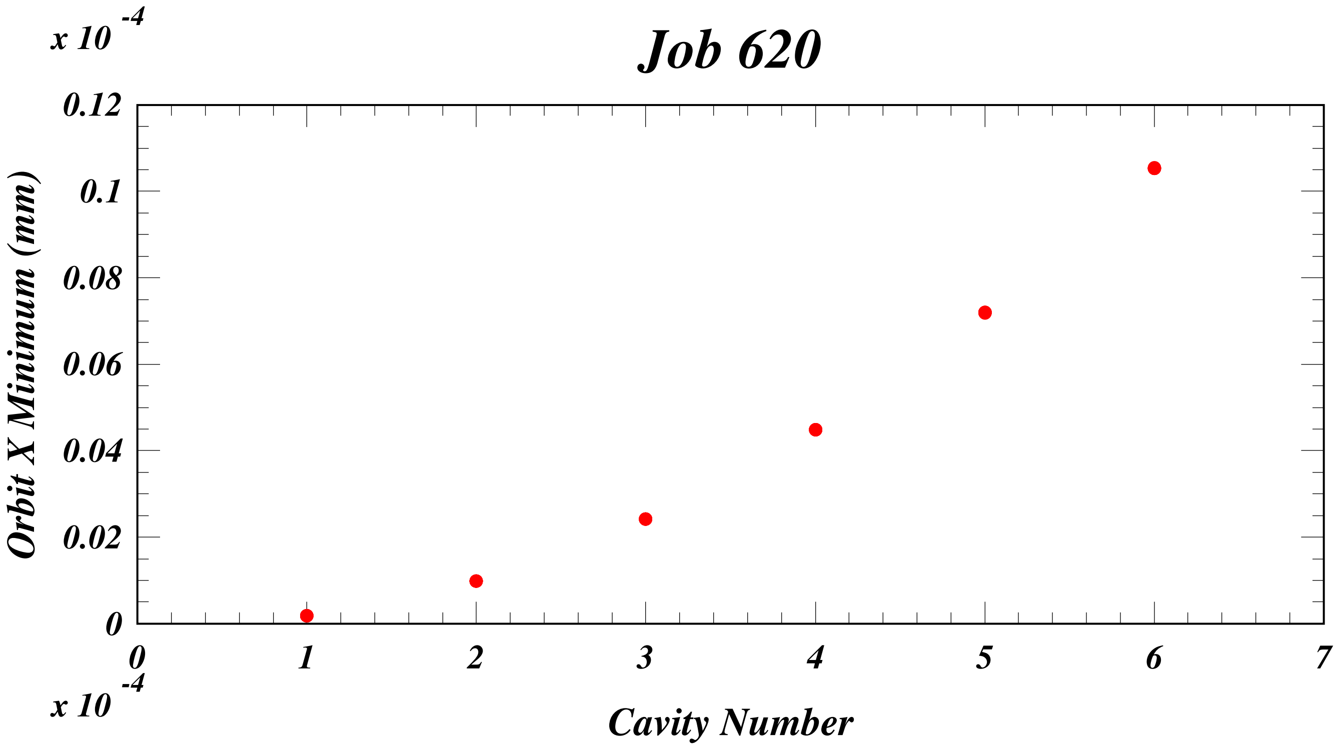


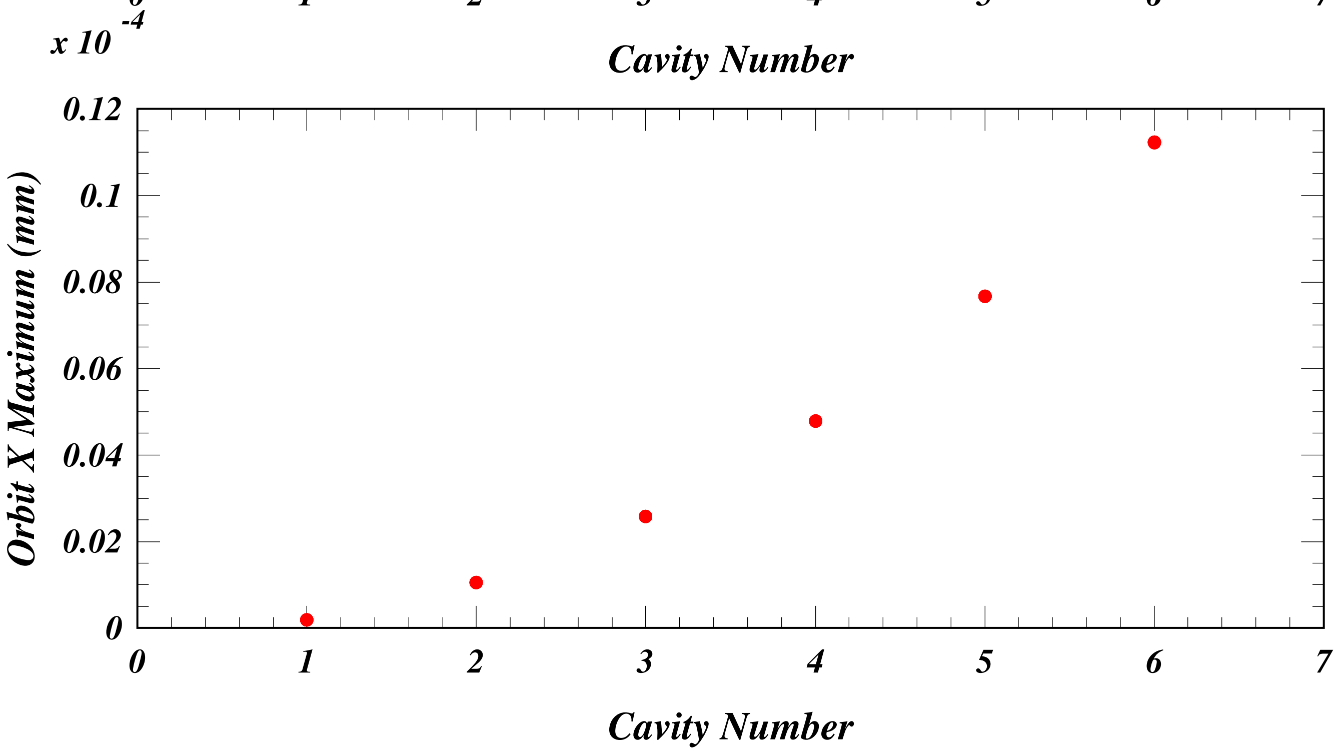
x 10 -4
0.12
0.1
0.08
0.06
0.04
0.02
0
Orbit X Average (mm)
0
1
2
3
4
5
6
7
Cavity Number

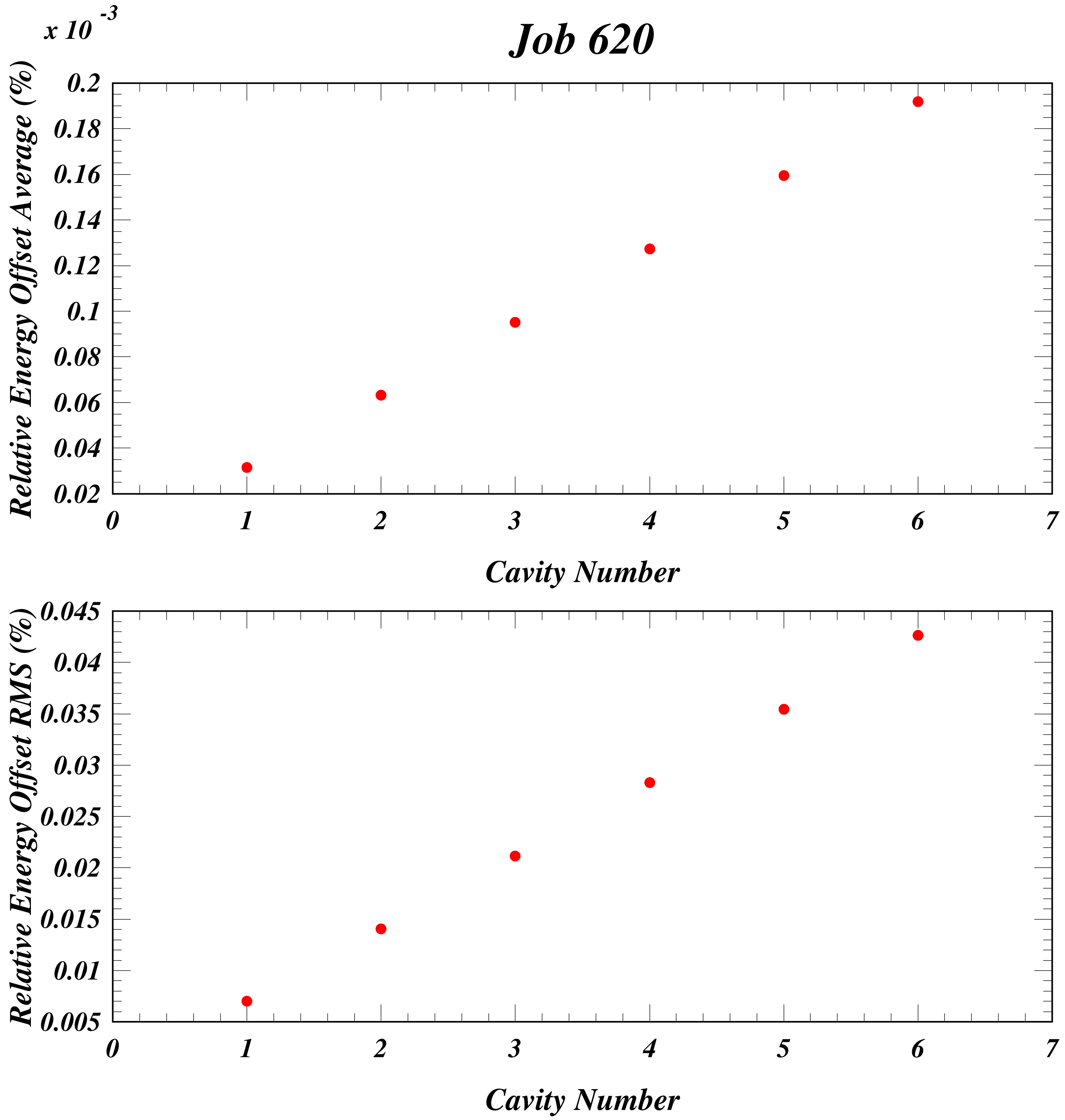


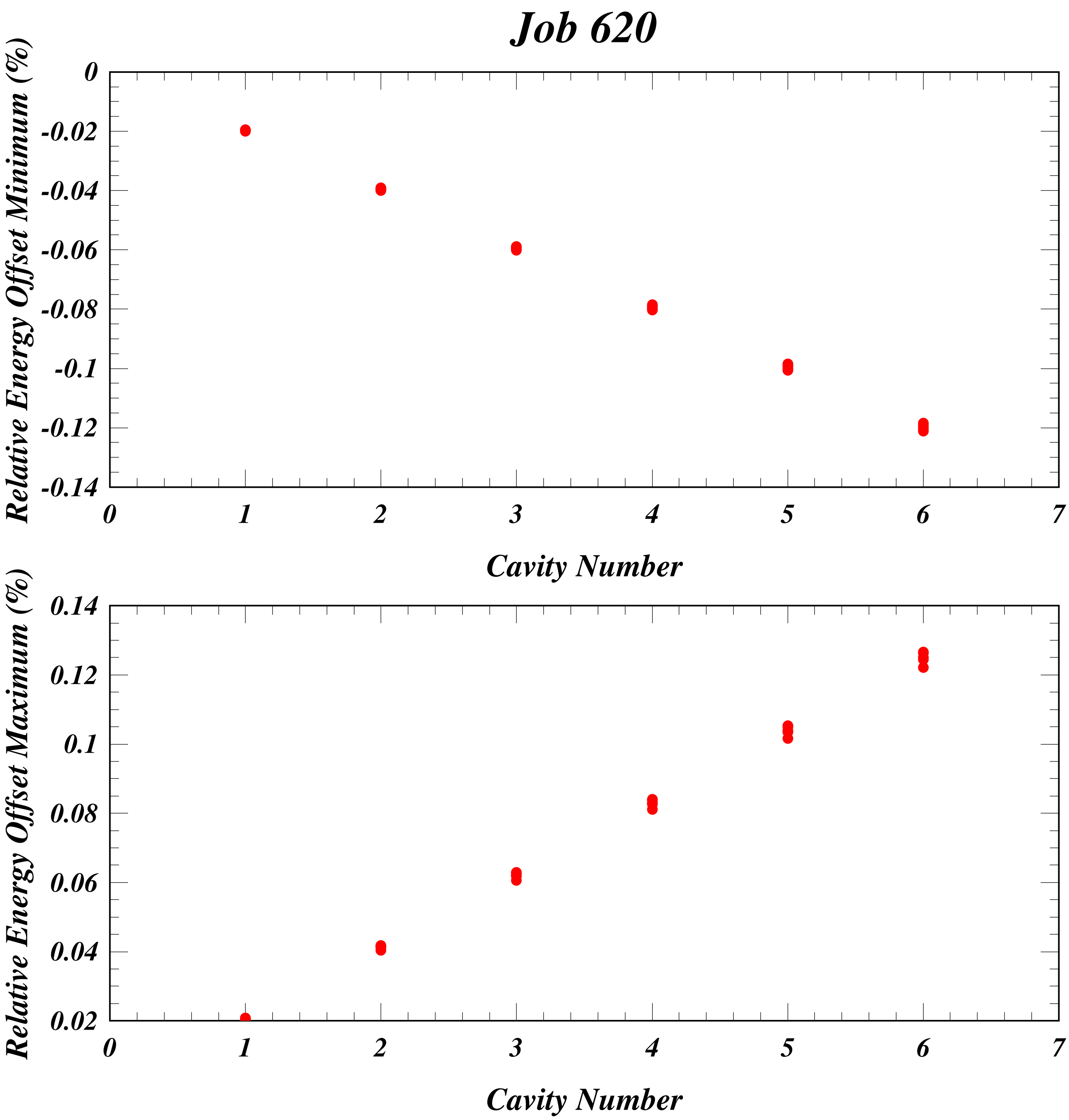
x 10 -6
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Orbit X RMS (mm)
0
1
2
3
4
5
6
7
Cavity Number

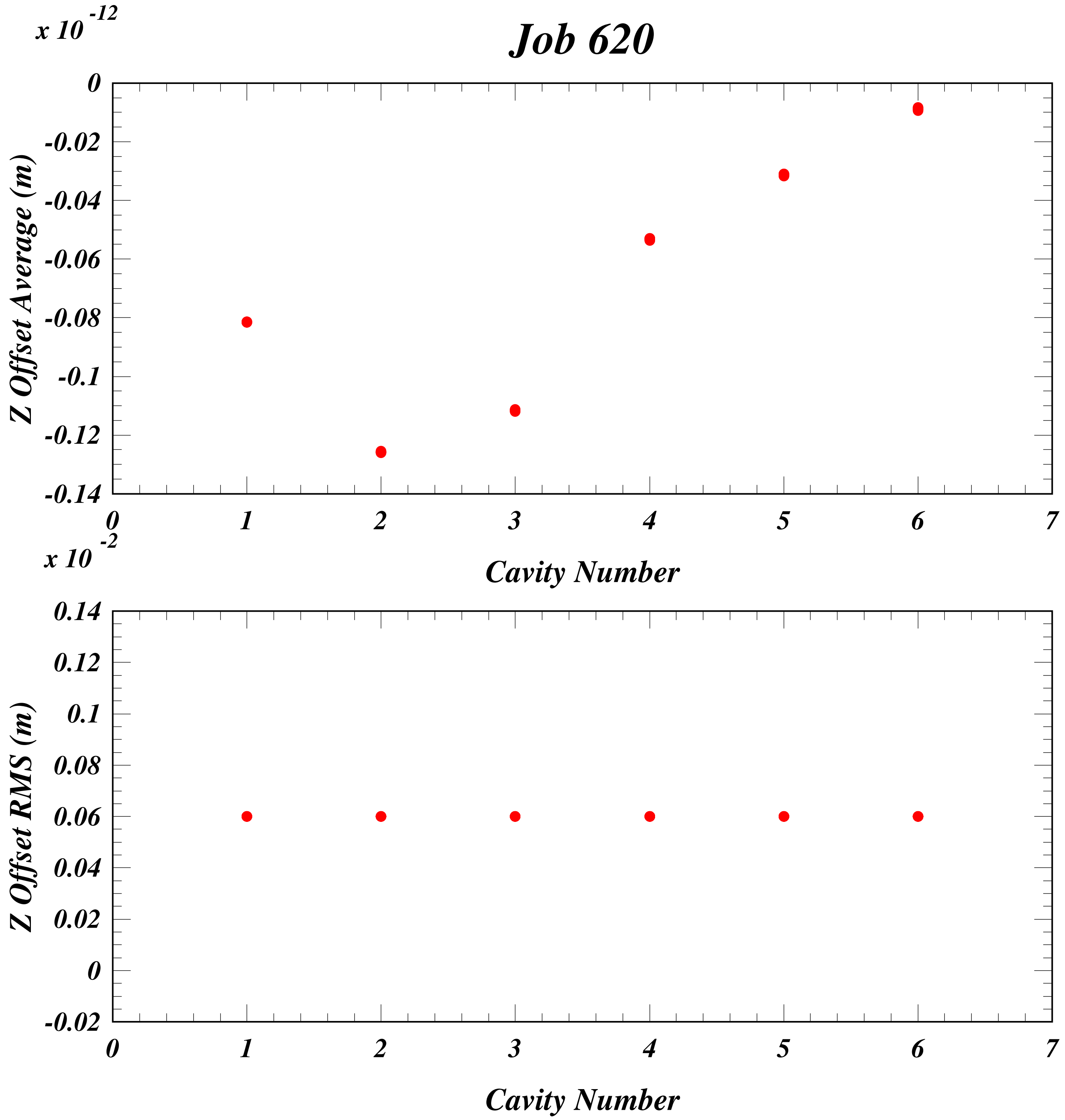
Job 620


x 10^-4
0.12
0.1
0.08
0.06
0.04
0.02
0
Orbit X Minimum (mm)
0
1
2
3
4
5
6
7
Cavity Number

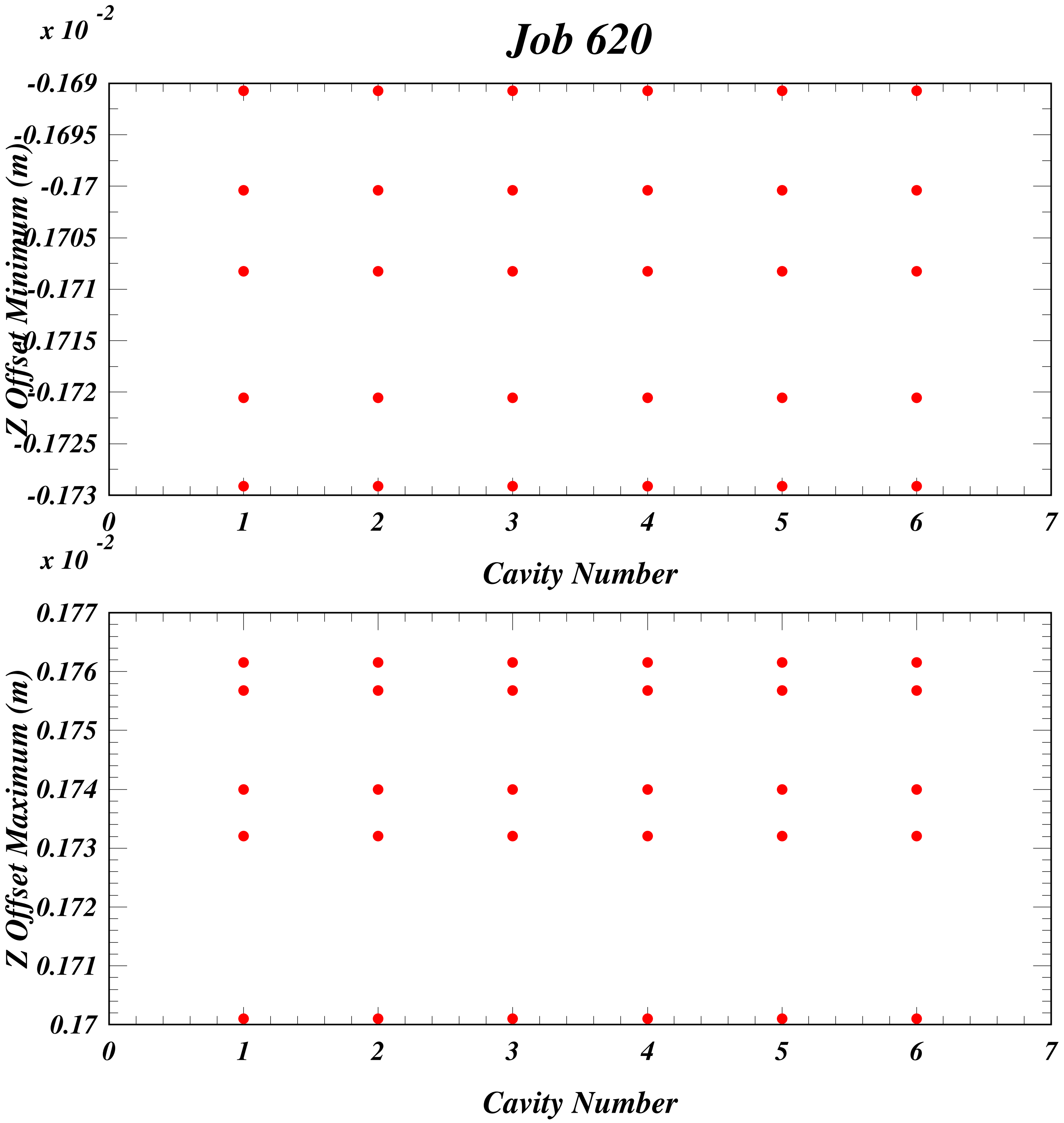

x 10^-4
0.12
0.1
0.08
0.06
0.04
0.02
0
Orbit X Maximum (mm)
0
1
2
3
4
5
6
7
Cavity Number

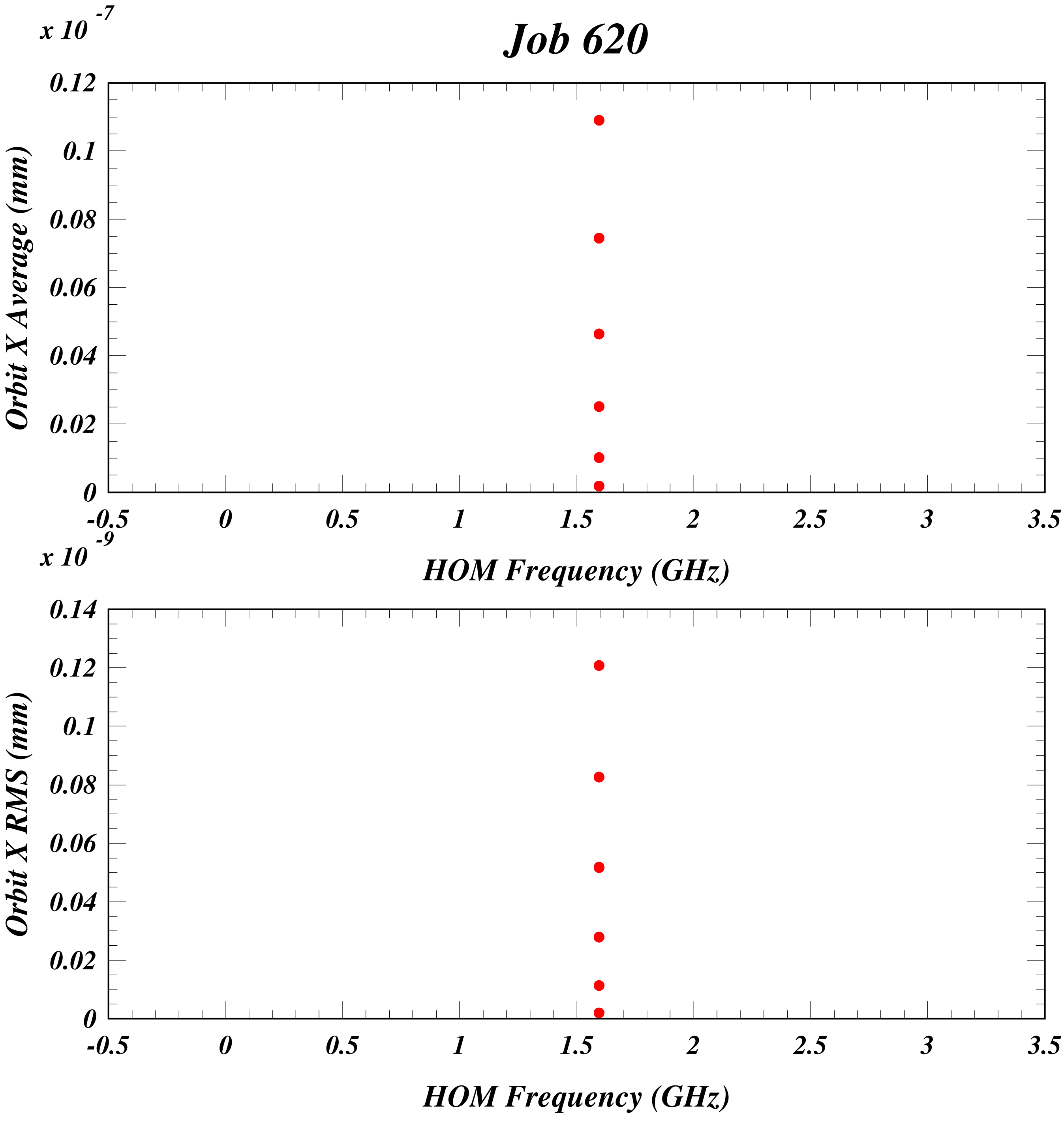

Job 620
x 10^-3
Relative Energy Offset Average (%)
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1
2
3
4
5
6
7
Cavity Number
Relative Energy Offset RMS (%)
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
1
2
3
4
5
6
7
Cavity Number


Job 620
Relative Energy Offset Minimum (%)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
0
1
2
3
4
5
6
7
Cavity Number
Relative Energy Offset Maximum (%)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
1
2
3
4
5
6
7
Cavity Number

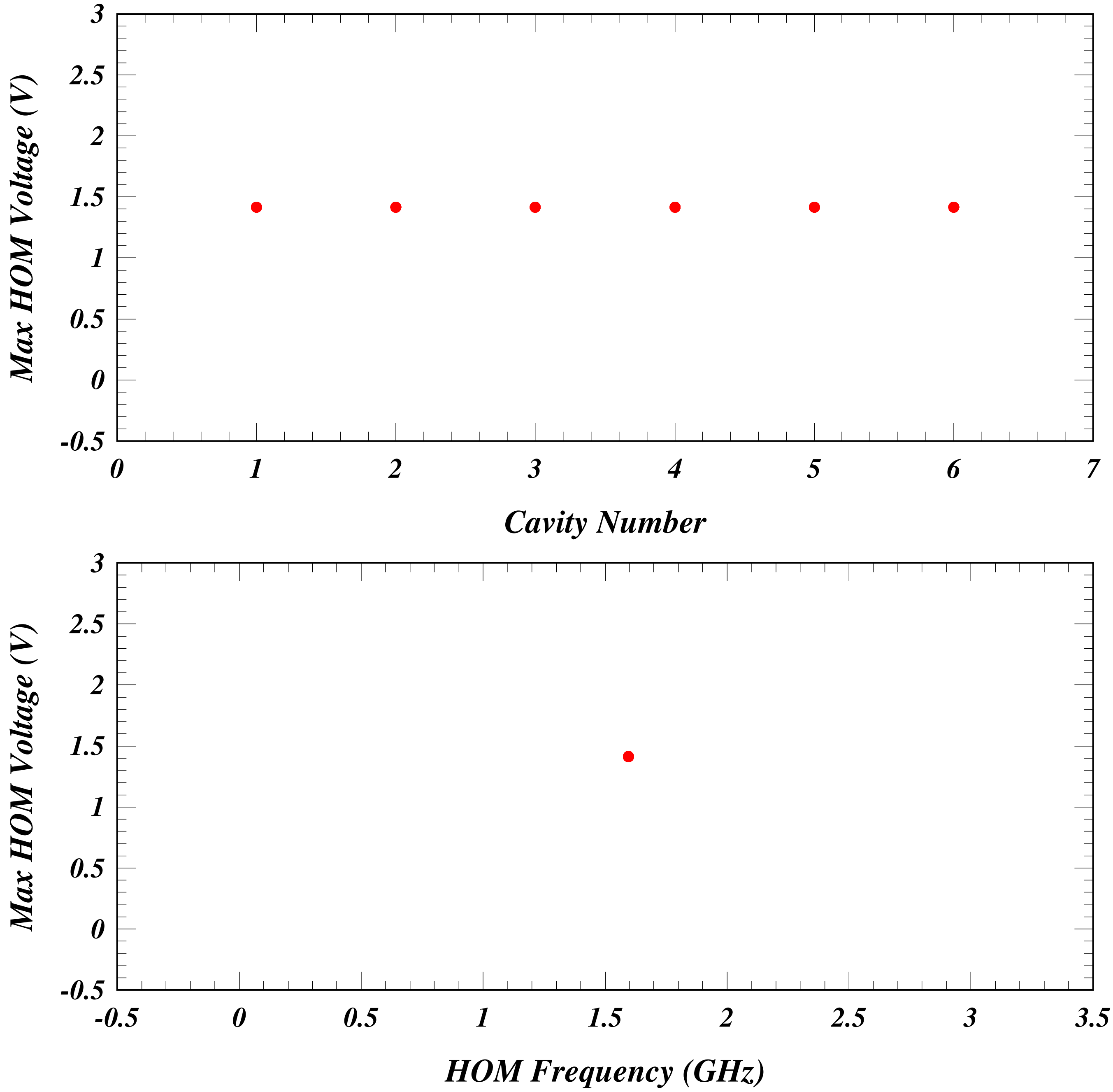

Job 620
x 10^-12
Z Offset Average (m)
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
0 1 2 3 4 5 6 7
Cavity Number
x 10^-2
Z Offset RMS (m)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
0 1 2 3 4 5 6 7
Cavity Number

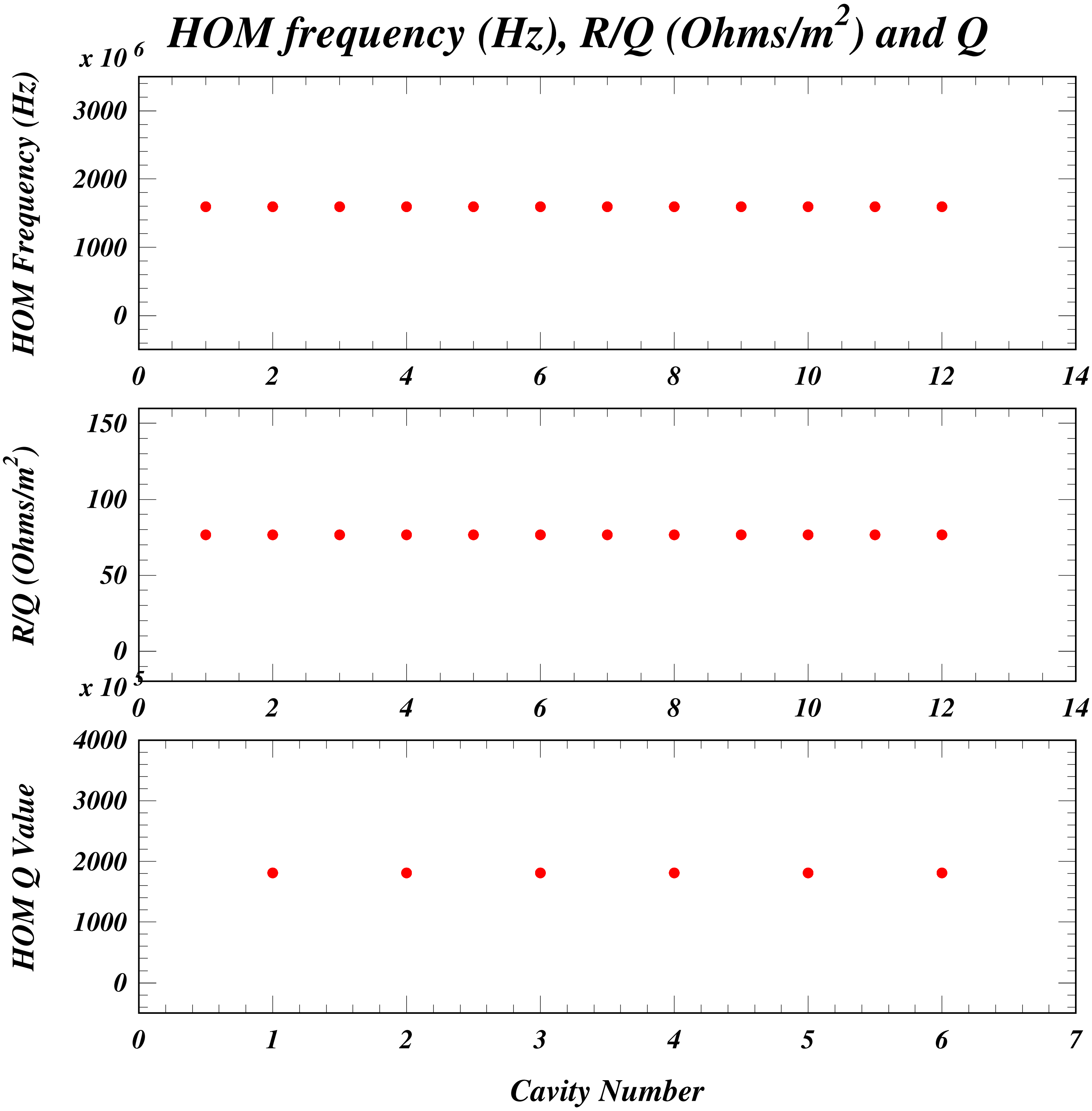
Job 620

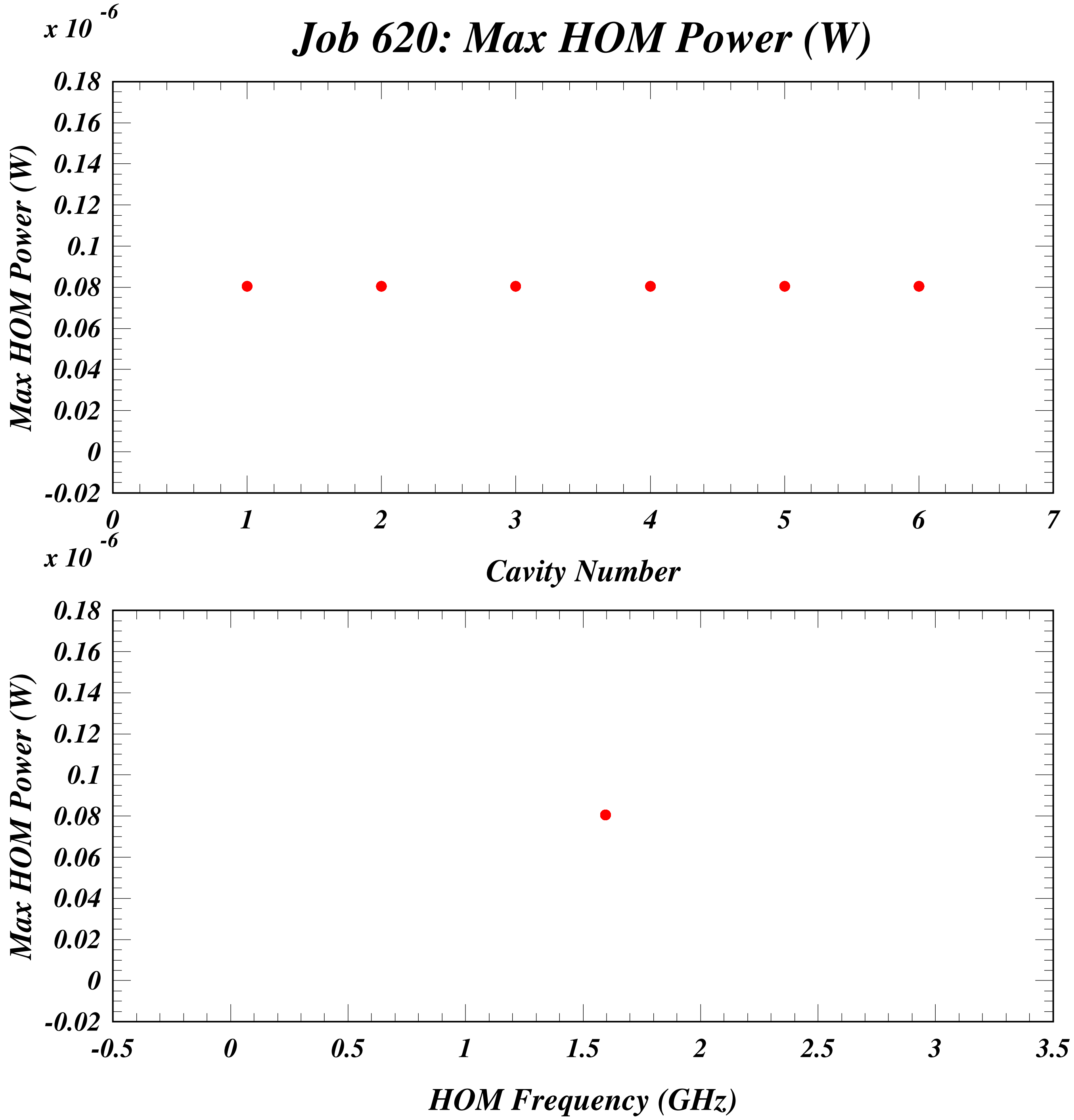

x 10 -2
-0.169
-0.1695
-0.17
-0.1705
-0.171
-0.1715
-0.172
-0.1725
-0.173
Z Offset Minimum (m)
0
1
2
3
4
5
6
7
Cavity Number
x 10 -2
0.177
0.176
0.175
0.174
0.173
0.172
0.171
0.17
Z Offset Maximum (m)
0
1
2
3
4
5
6
7
Cavity Number


Job 620
x 10^-7
Orbit X Average (mm)
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
HOM Frequency (GHz)
x 10^-9
Orbit X RMS (mm)
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
HOM Frequency (GHz)

Job 620: Max HOM Voltages (V)




HOM frequency (Hz), R/Q (Ohms/m^2) and Q
x 10 6
HOM Frequency (Hz)
3000
2000
1000
0
0
2
4
6
8
10
12
14
R/Q (Ohms/m^2)
150
100
50
0
x 10 5
HOM Q Value
4000
3000
2000
1000
0
1
2
3
4
5
6
7
Cavity Number


Job 620: Max HOM Power (W)
x 10^-6
Max HOM Power (W)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
0 1 2 3 4 5 6 7
Cavity Number
x 10^-6
Max HOM Power (W)
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
-0.02
-0.5 0 0.5 1 1.5 2 2.5 3 3.5
HOM Frequency (GHz)