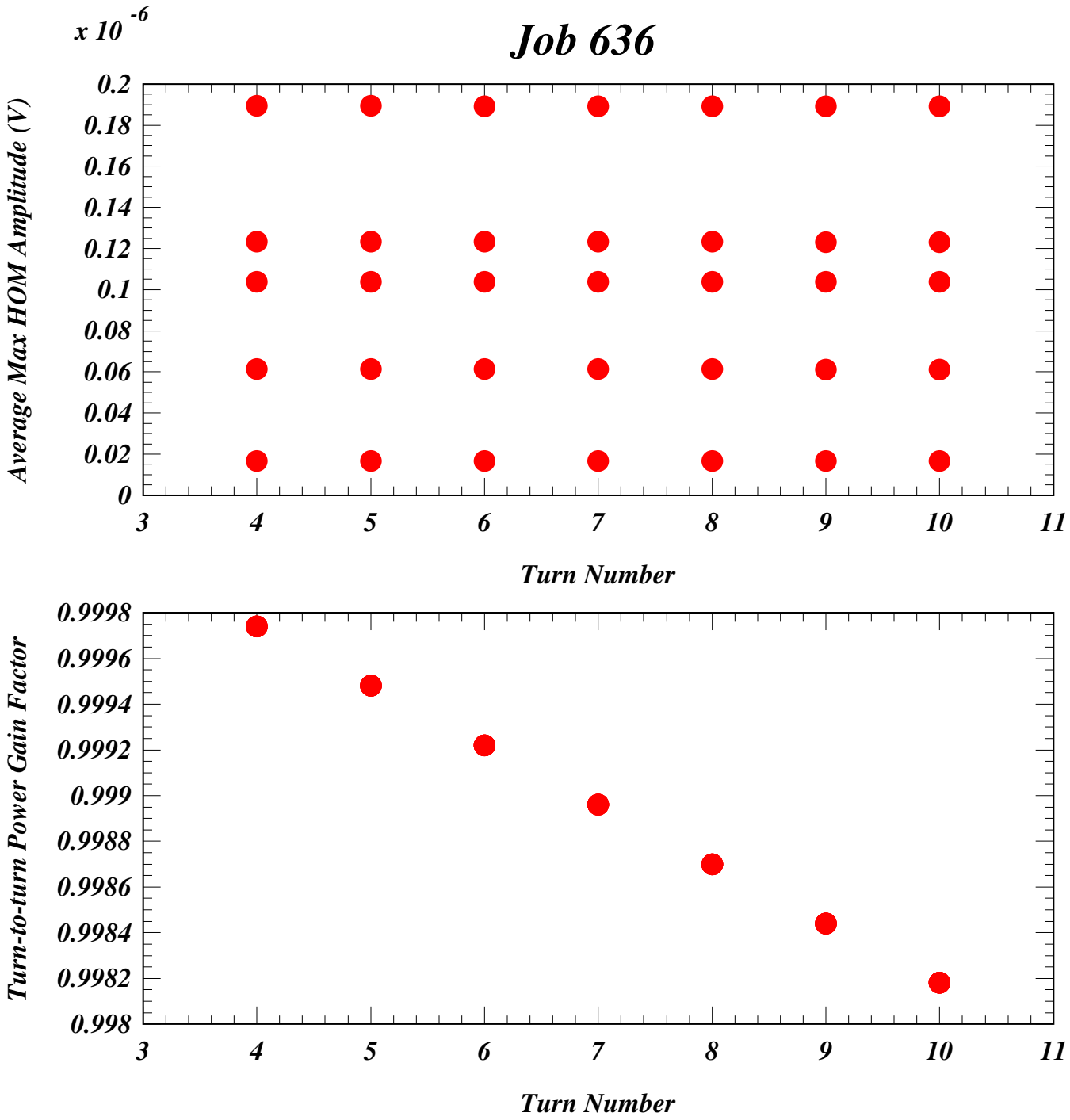
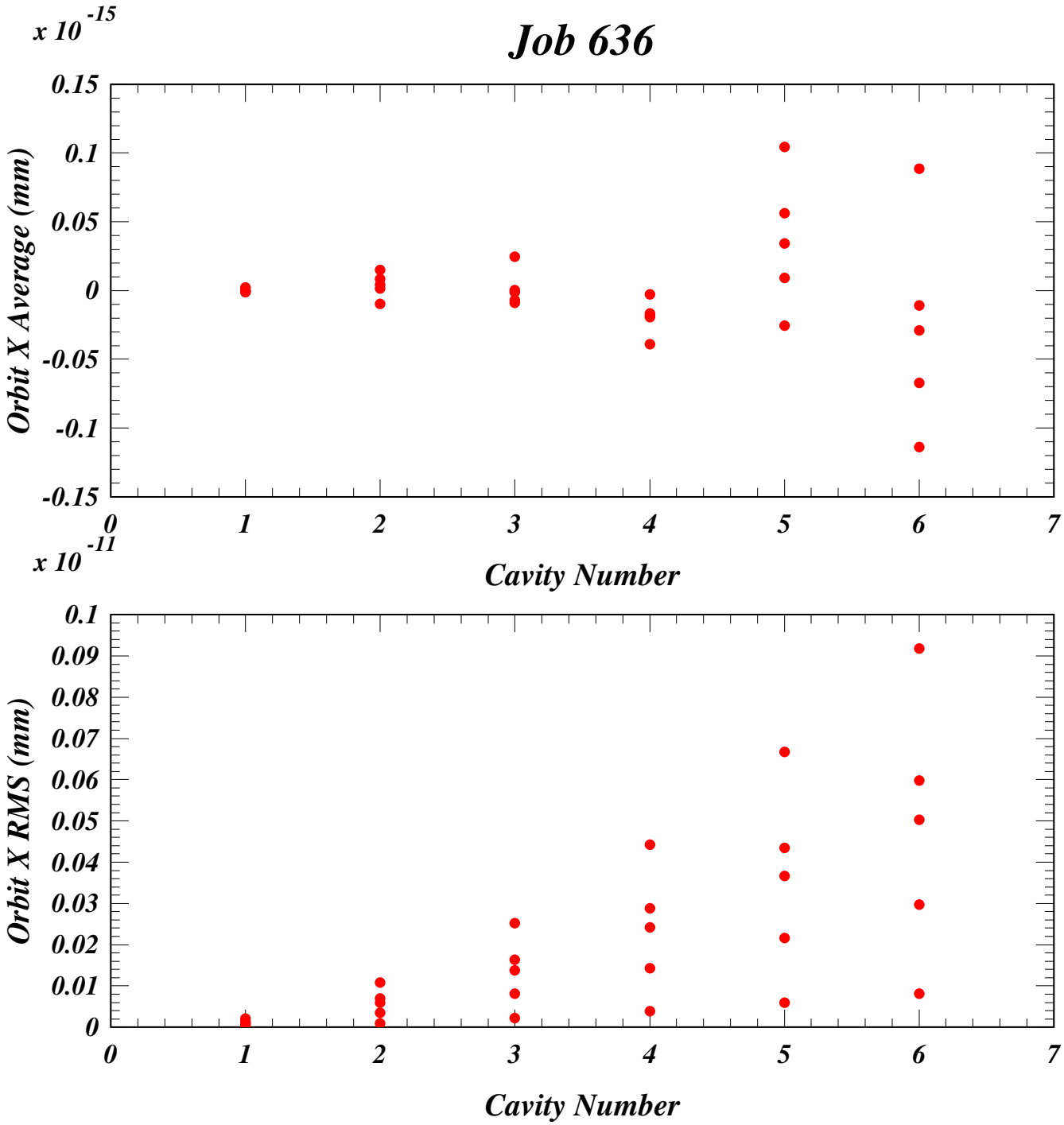
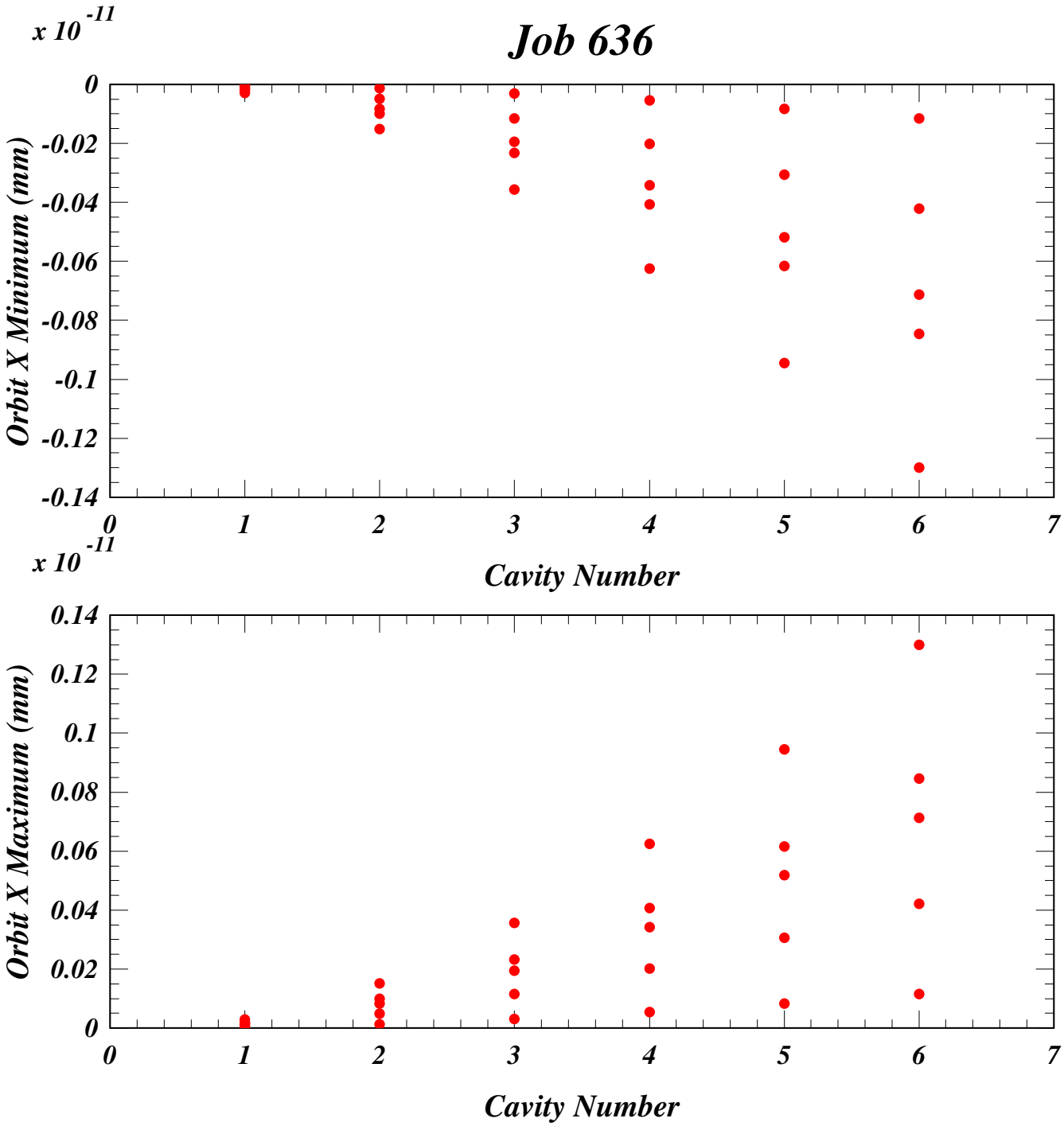
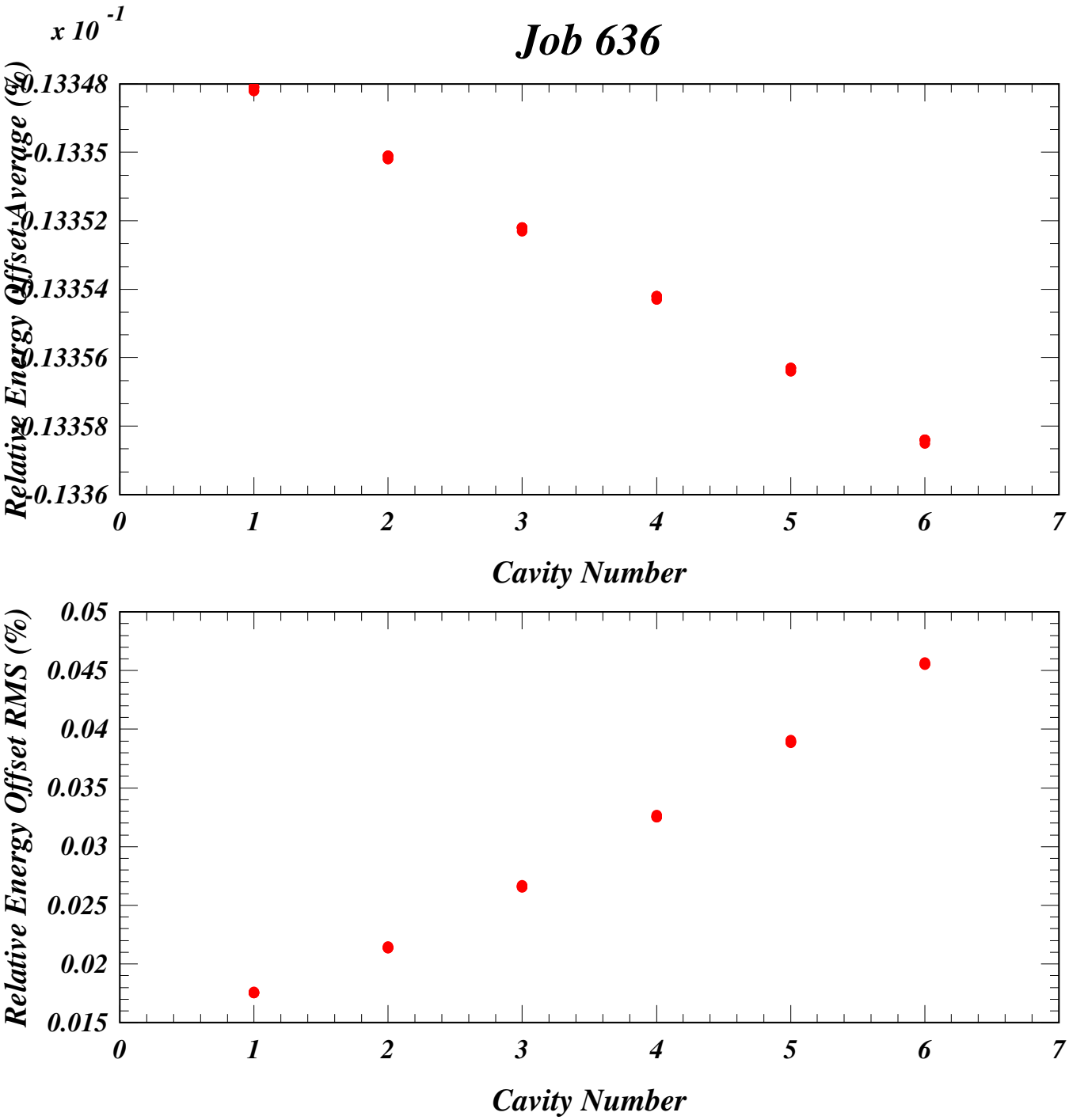
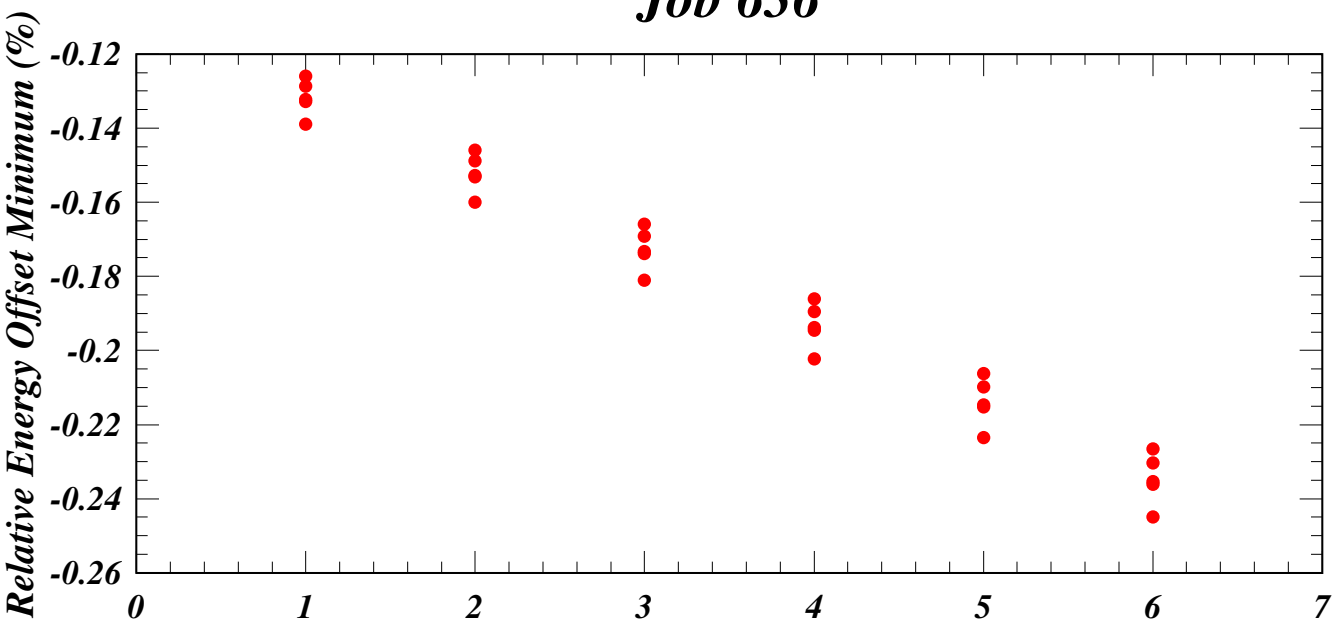

Job 636
x 10 -6
Average Max HOM Amplitude (V)
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
3
4
5
6
7
8
9
10
11
Turn Number
Turn-to-turn Power Gain Factor
0.9998
0.9996
0.9994
0.9992
0.999
0.9988
0.9986
0.9984
0.9982
0.998
3
4
5
6
7
8
9
10
11
Turn Number

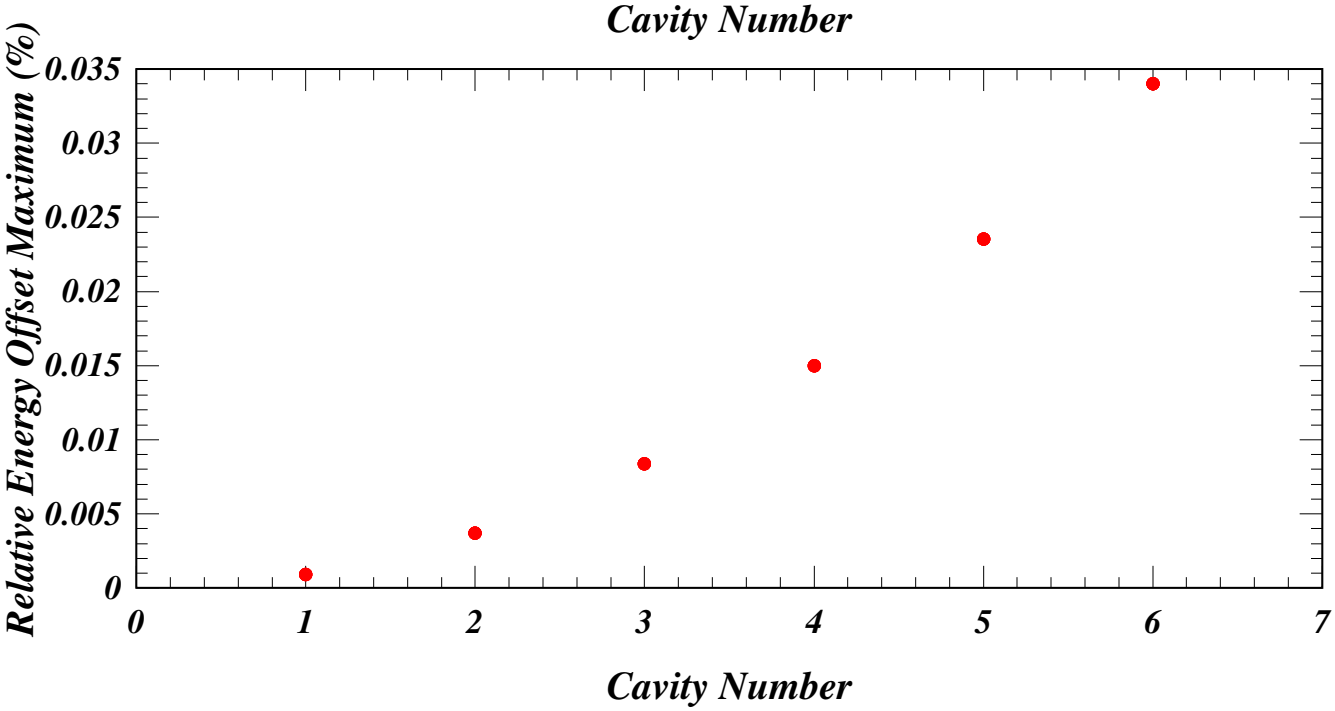

Job 636
x 10 -15
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
Orbit X Average (mm)
0
1
2
3
4
5
6
7
Cavity Number
x 10 -11
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Orbit X RMS (mm)
0
1
2
3
4
5
6
7
Cavity Number

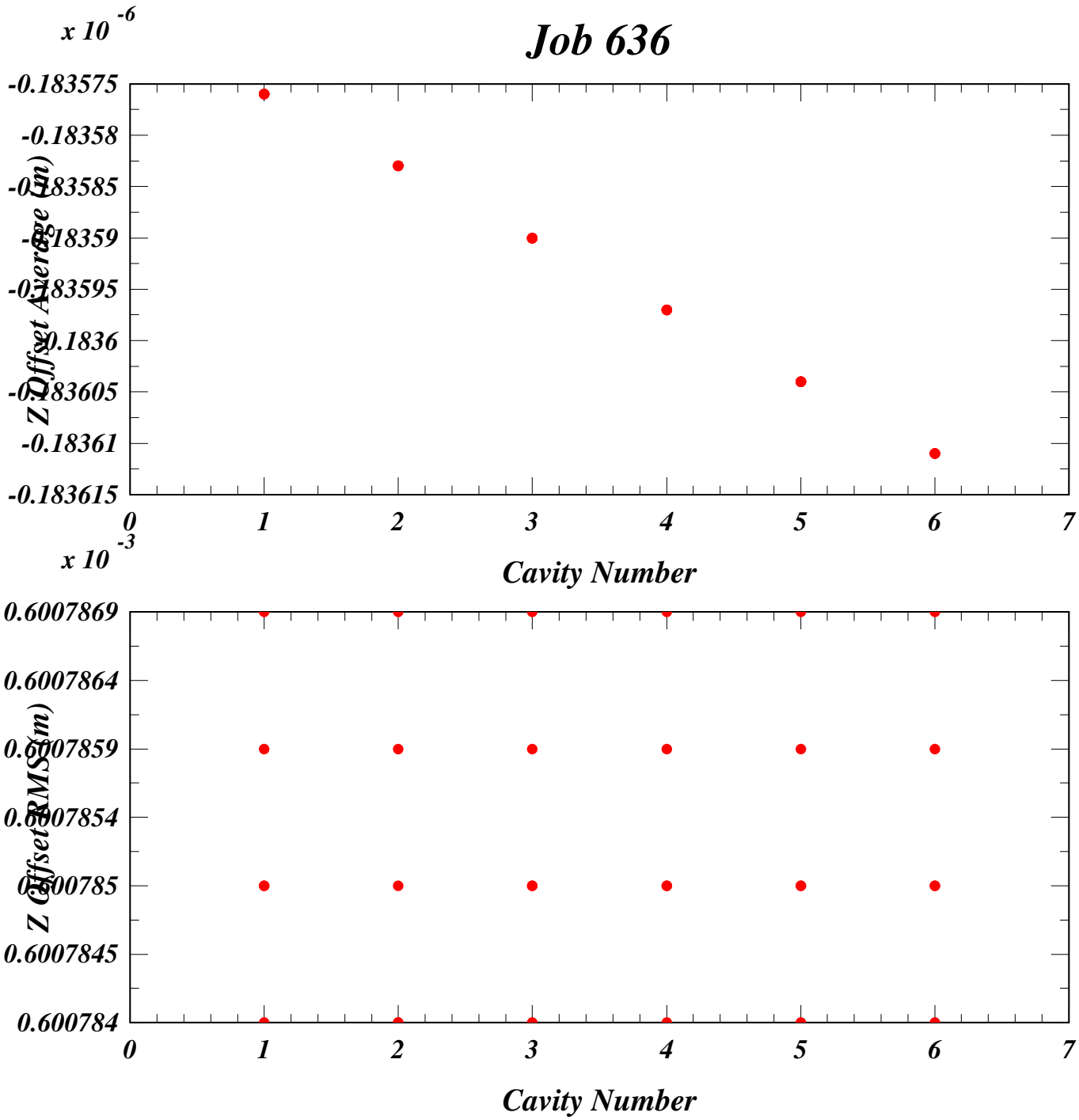

Job 636
x 10 -11
0
-0.02
-0.04
-0.06
-0.08
-0.1
-0.12
-0.14
Orbit X Minimum (mm)
0
1
2
3
4
5
6
7
Cavity Number
x 10 -11
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
Orbit X Maximum (mm)
0
1
2
3
4
5
6
7
Cavity Number


Job 636
x 10 -1
Relative Energy Offset Average (%)
-0.13348
-0.1335
-0.13352
-0.13354
-0.13356
-0.13358
-0.1336
0
1
2
3
4
5
6
7
Cavity Number
Relative Energy Offset RMS (%)
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0
1
2
3
4
5
6
7
Cavity Number

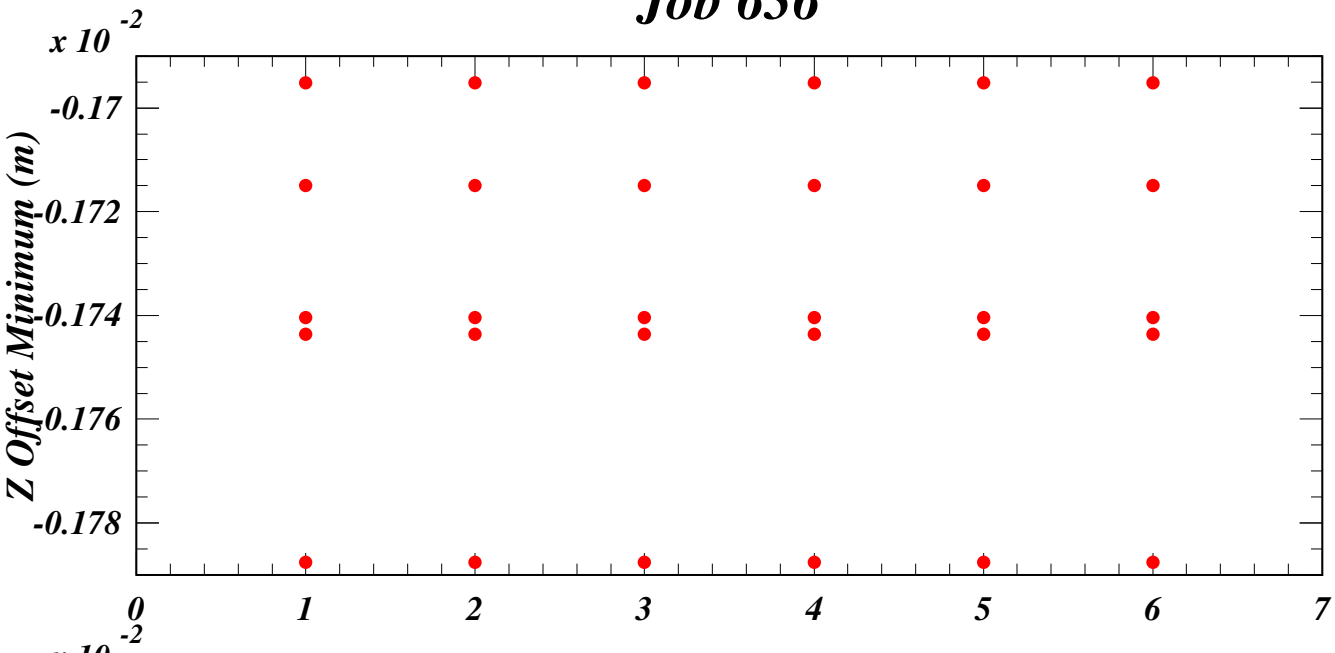
Job 636

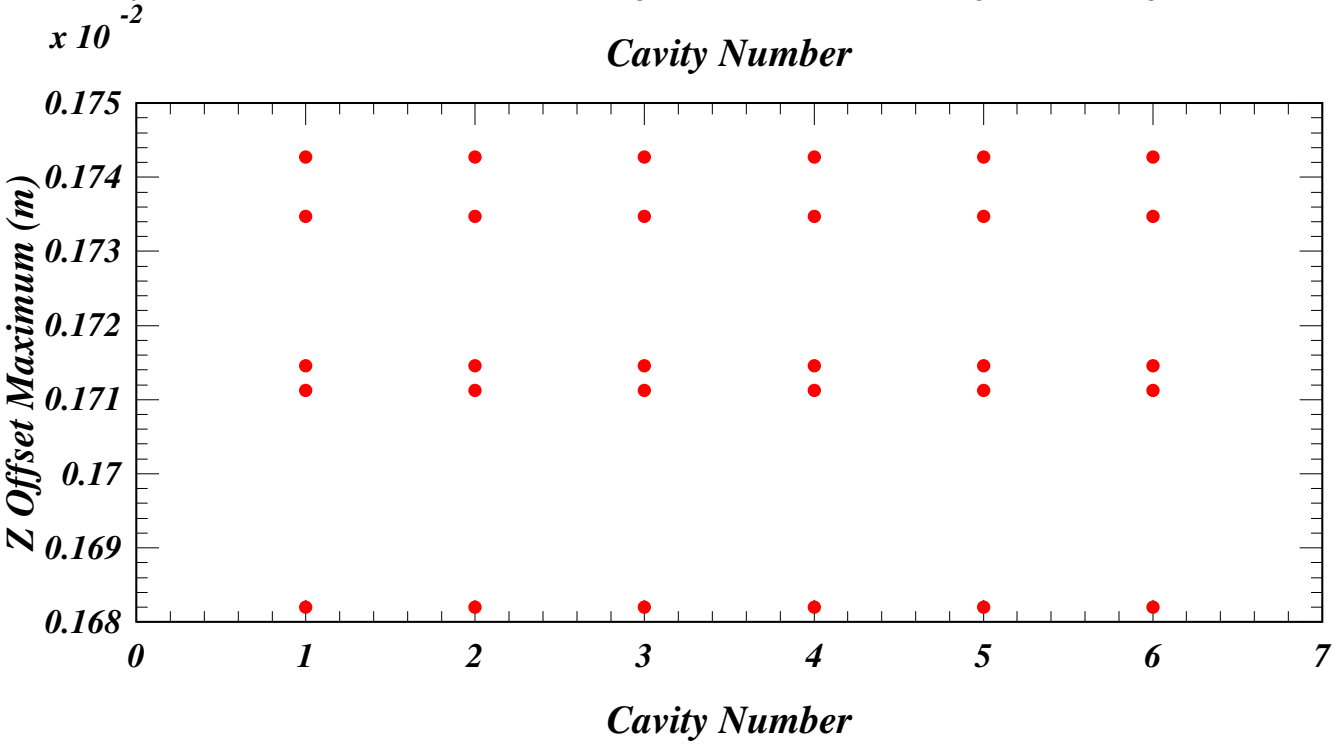

Relative Energy Offset Minimum (%)
-0.12
-0.14
-0.16
-0.18
-0.2
-0.22
-0.24
-0.26
0
1
2
3
4
5
6
7
Cavity Number

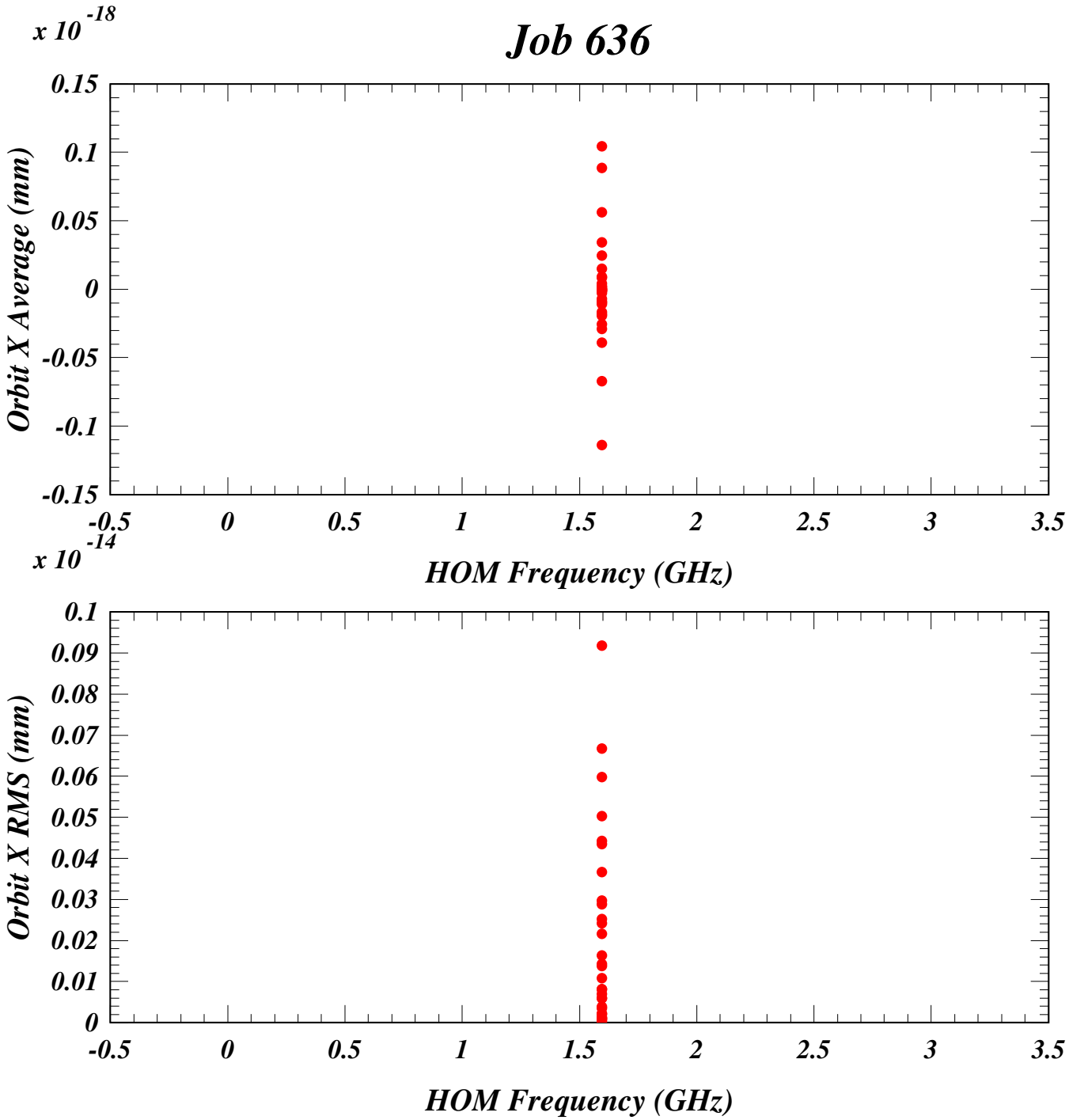

Relative Energy Offset Maximum (%)
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
0
1
2
3
4
5
6
7
Cavity Number

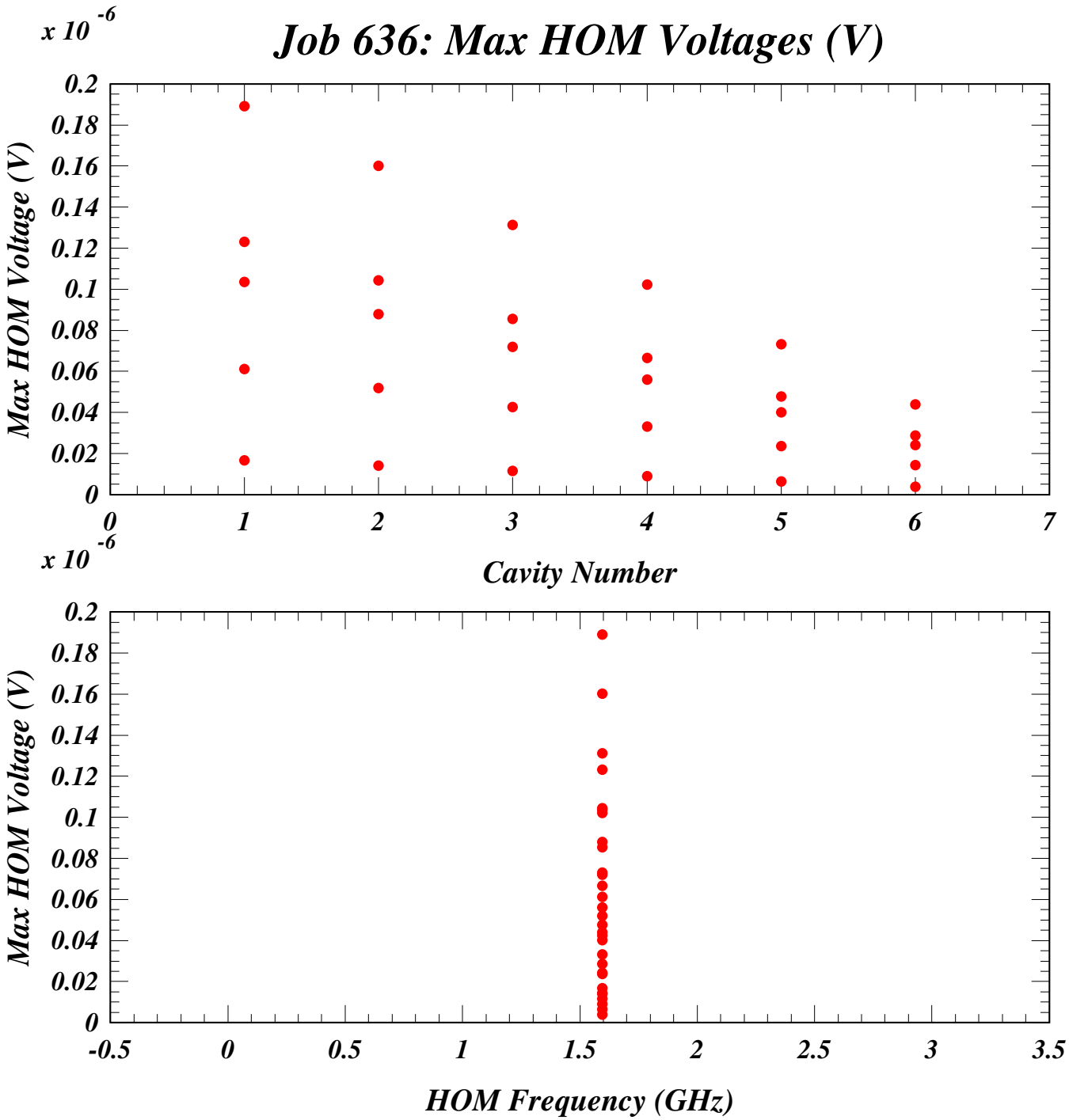

Job 636
x 10 -6
-0.183575
-0.18358
-0.183585
-0.18359
-0.183595
-0.1836
-0.183605
-0.18361
-0.183615
Z Offset Average (m)
0
1
2
3
4
5
6
7
Cavity Number
x 10 -3
0.6007869
0.6007864
0.6007859
0.6007854
0.600785
0.6007845
0.600784
Z Offset RMS (m)
0
1
2
3
4
5
6
7
Cavity Number

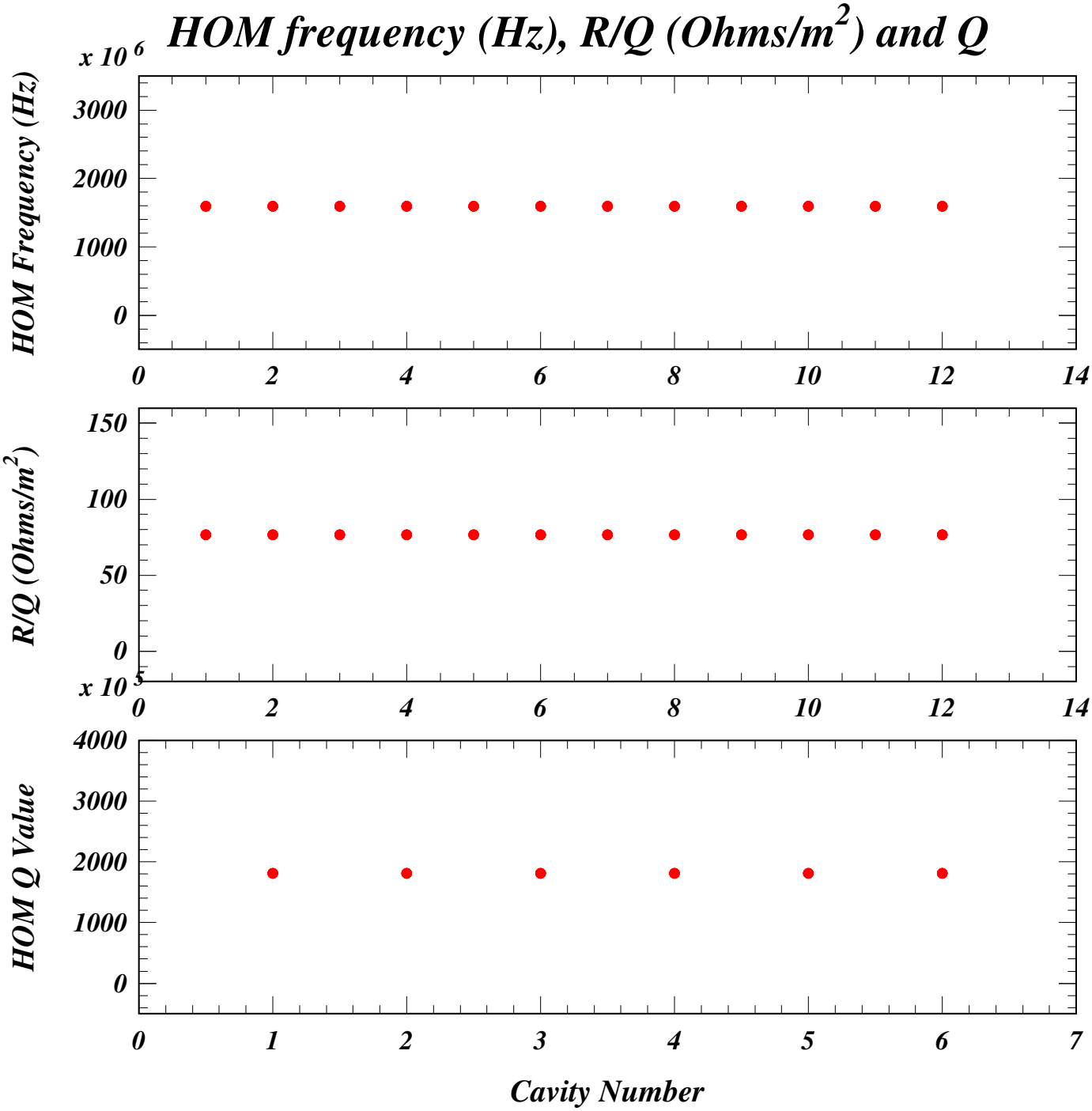
Job 636

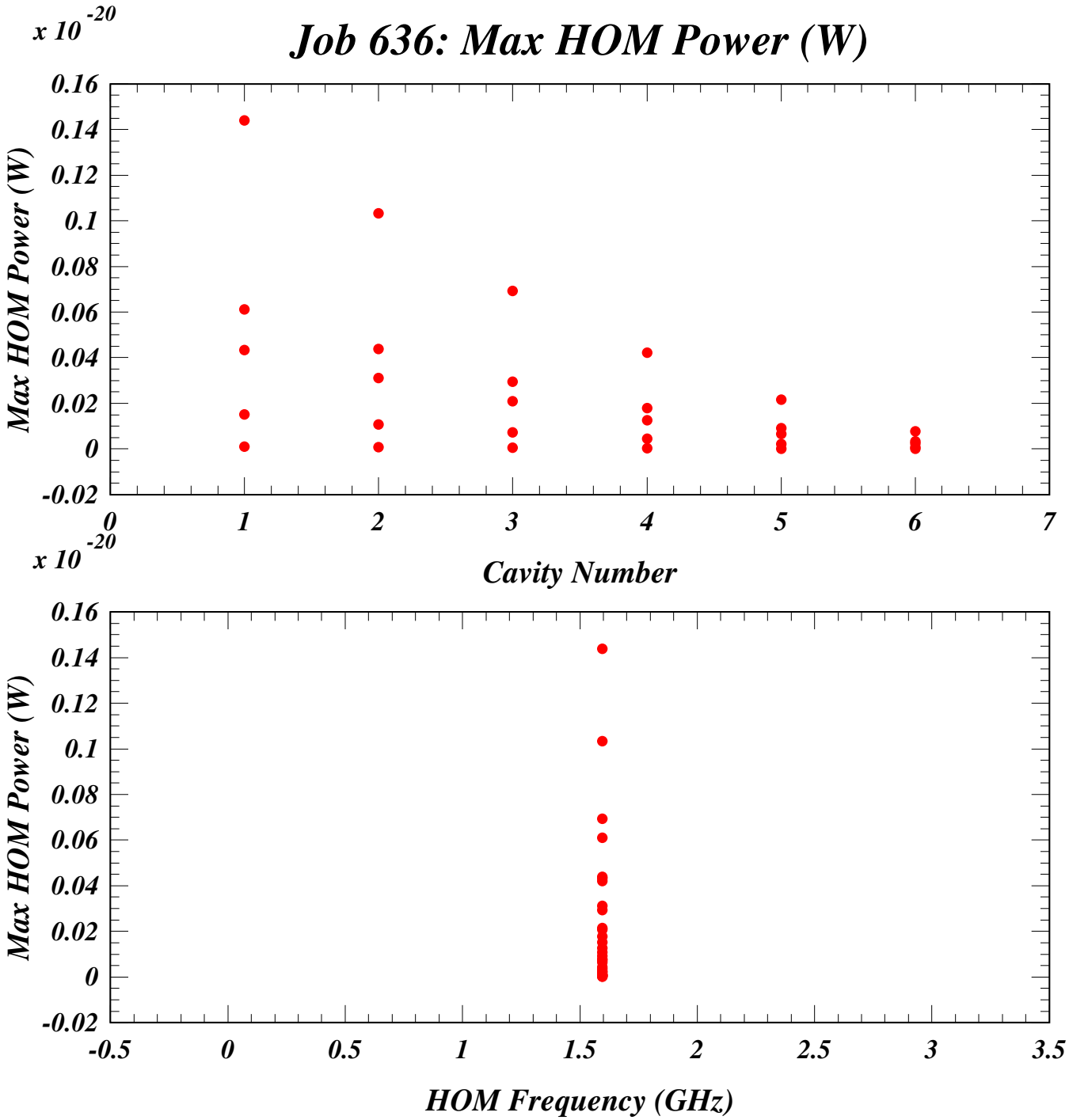

x 10 -2
-0.17
-0.172
-0.174
-0.176
-0.178
Z Offset Minimum (m)
0
1
2
3
4
5
6
7
Cavity Number


x 10 -2
0.175
0.174
0.173
0.172
0.171
0.17
0.169
0.168
Z Offset Maximum (m)
0
1
2
3
4
5
6
7
Cavity Number


Job 636
x 10 -18
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
Orbit X Average (mm)
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
HOM Frequency (GHz)
x 10 -14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
Orbit X RMS (mm)
-0.5
0
0.5
1
1.5
2
2.5
3
3.5
HOM Frequency (GHz)


Job 636: Max HOM Voltages (V)
x 10 -6
Max HOM Voltage (V)
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
0
1
2
3
4
5
6
7
Cavity Number
x 10 -6
Max HOM Voltage (V)
0.2
0.18
0.16
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)


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


Job 636: Max HOM Power (W)
x 10 -20
Max HOM Power (W)
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 -20
Max HOM Power (W)
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)