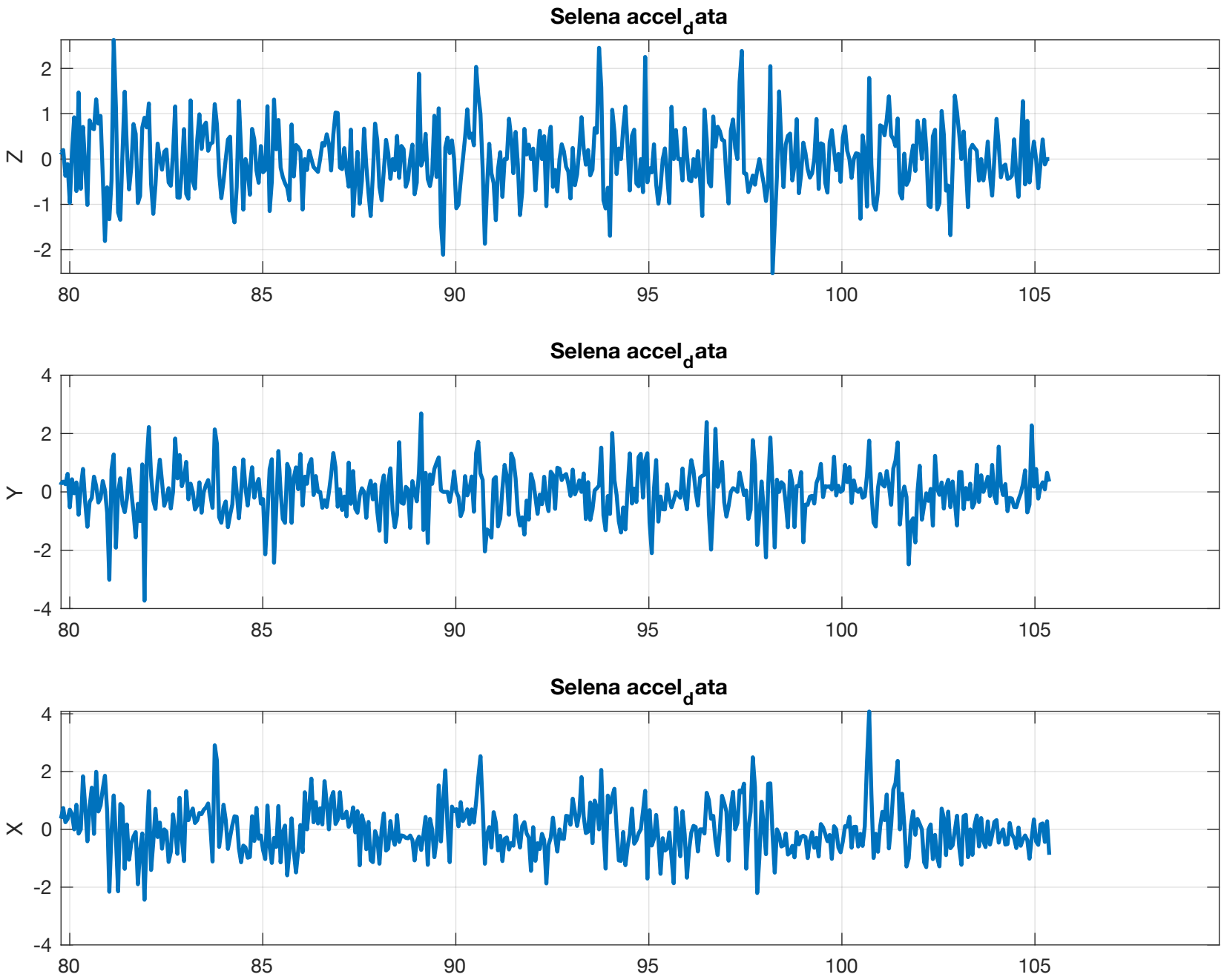
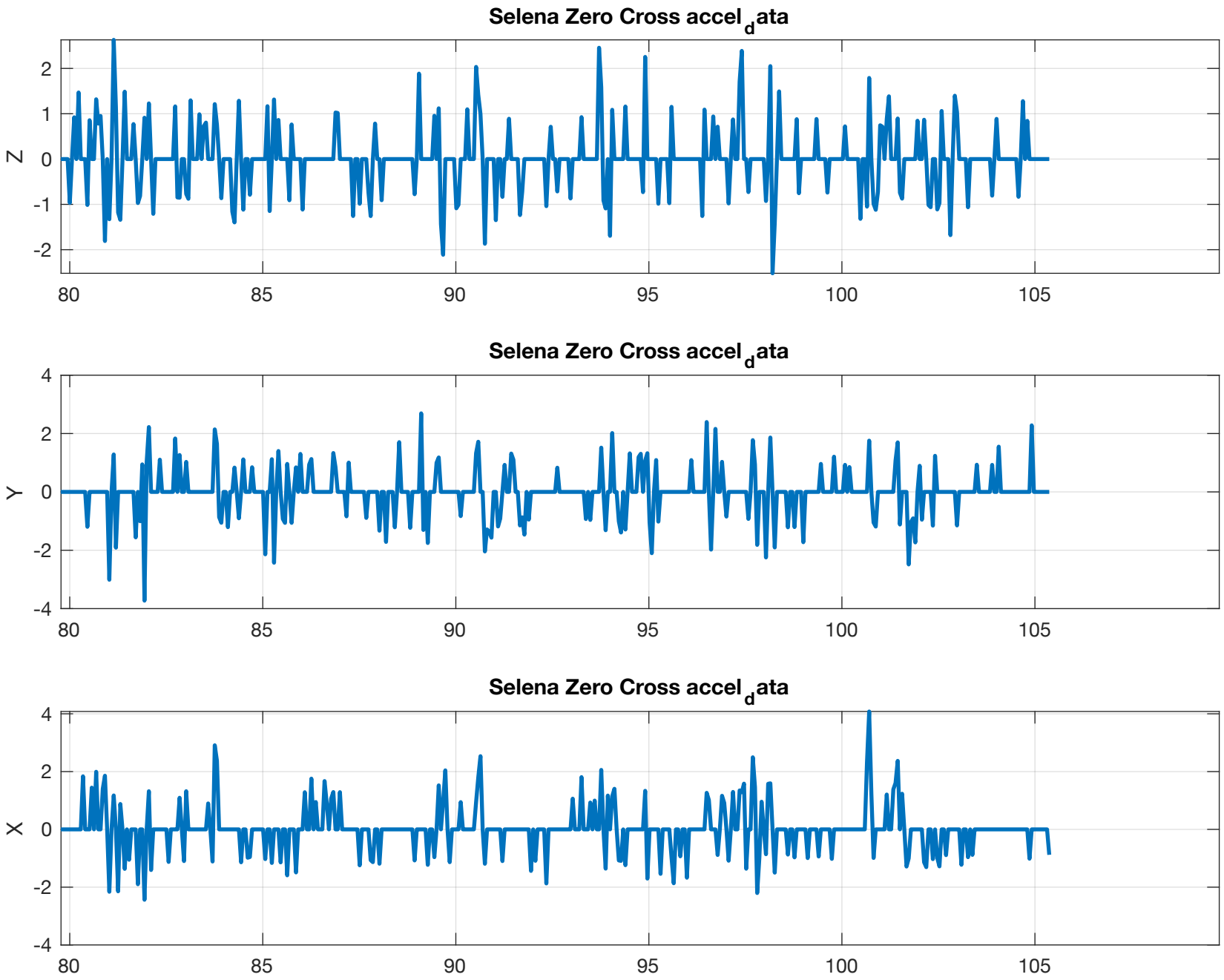
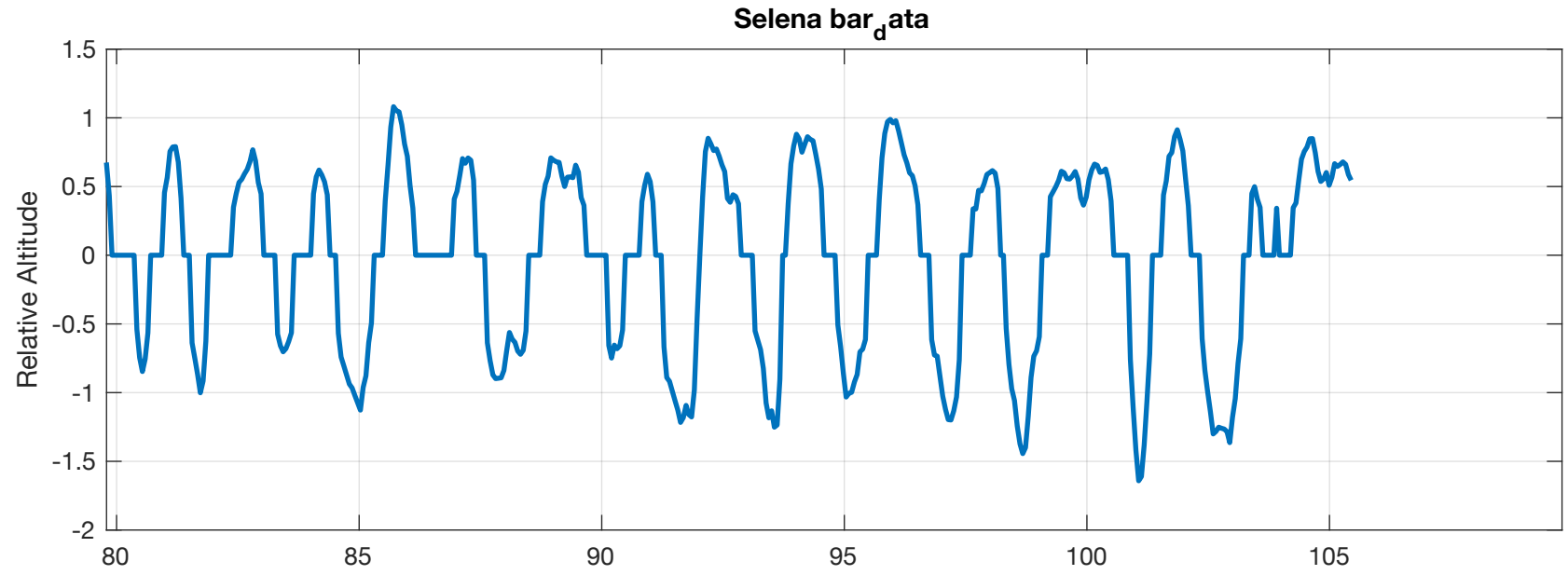
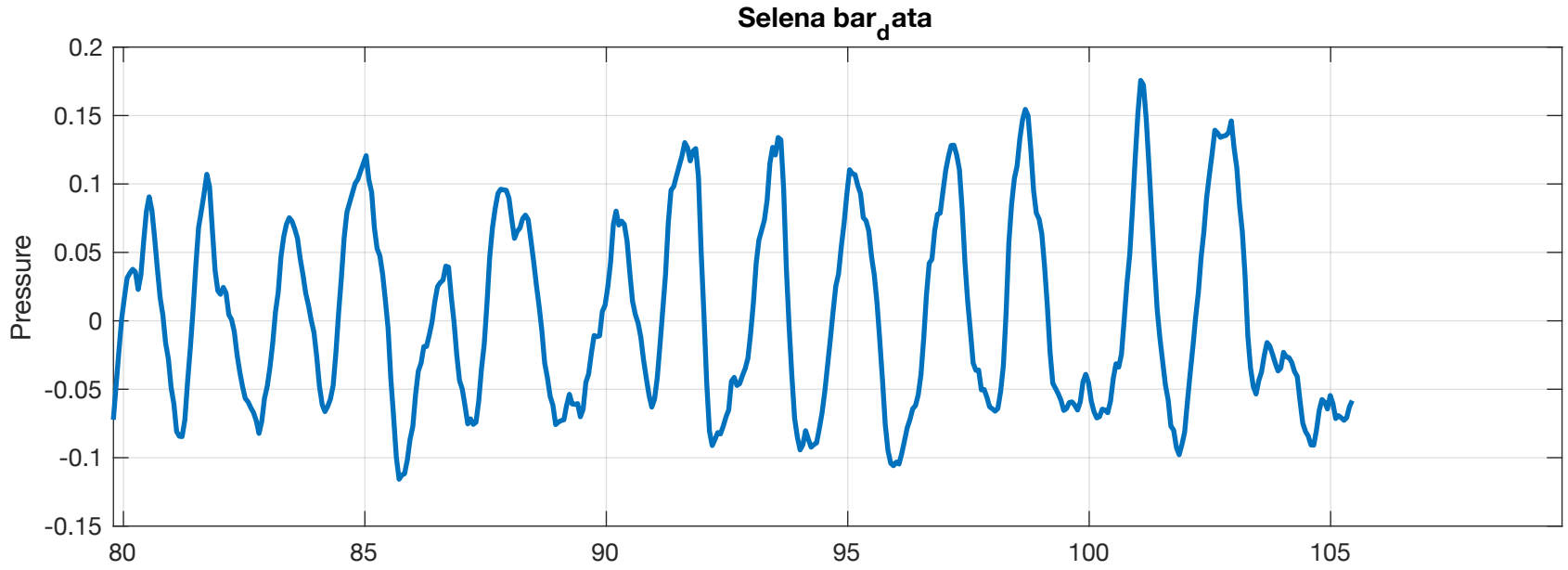
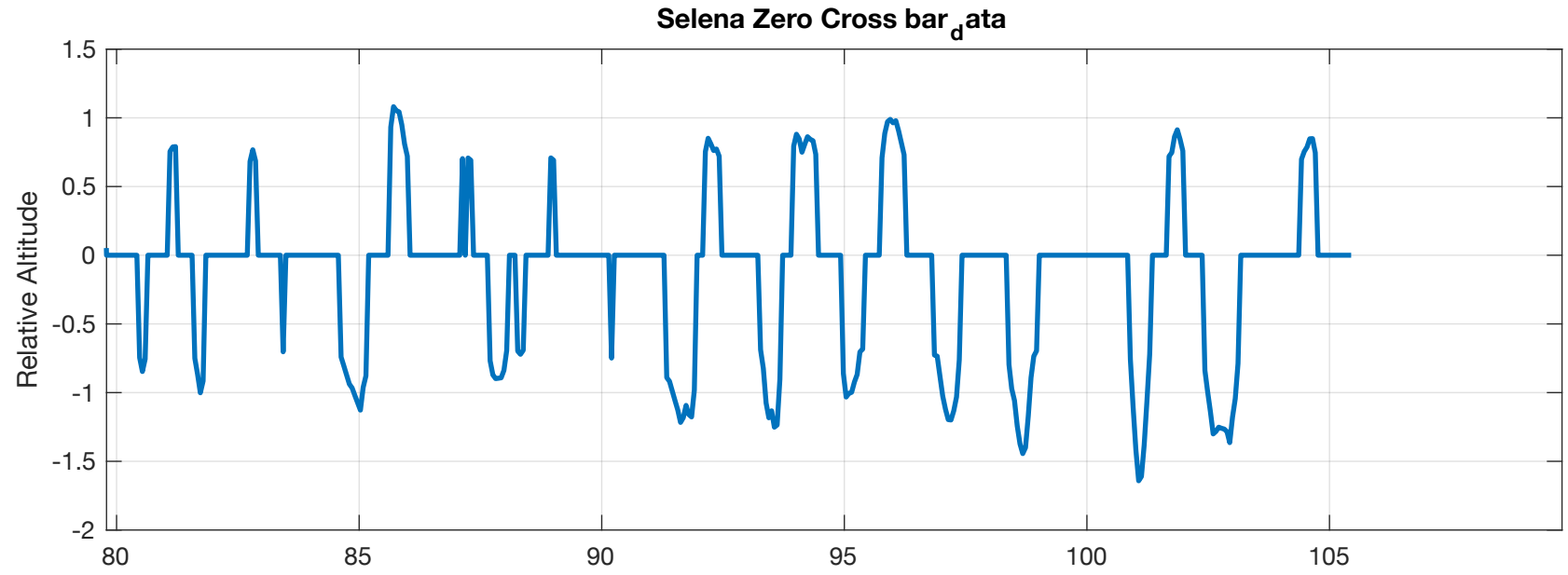

Selena accel_data
Z
2
1
0
-1
-2
80
85
90
95
100
105
Selena accel_data
Y
4
2
0
-2
-4
80
85
90
95
100
105
Selena accel_data
X
4
2
0
-2
-4
80
85
90
95
100
105

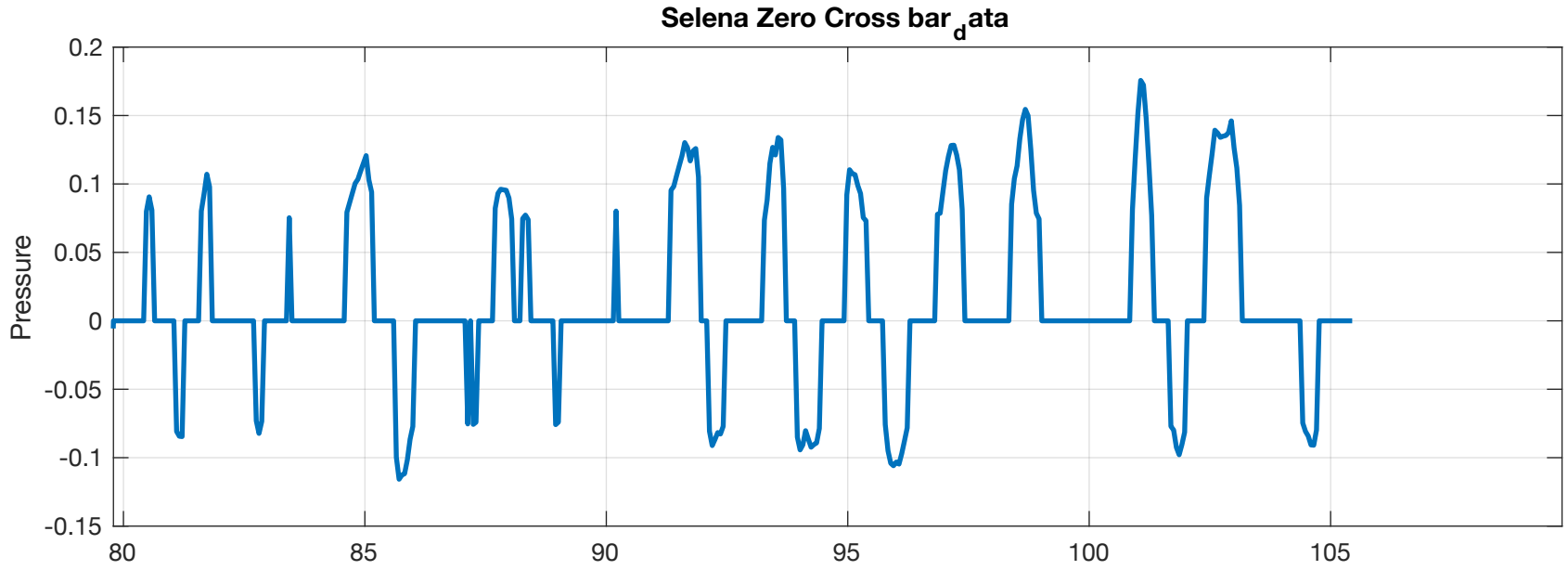

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
80
85
90
95
100
105
Selena Zero Cross accel_data
Y
4
2
0
-2
-4
80
85
90
95
100
105
Selena Zero Cross accel_data
X
4
2
0
-2
-4
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-163.000	-142.000	-51.000	-60.000	"accel_data"
'Y'	-176.000	-152.000	-52.000	-57.500	"accel_data"
'X'	-176.000	-135.000	-40.000	-52.750	"accel_data"

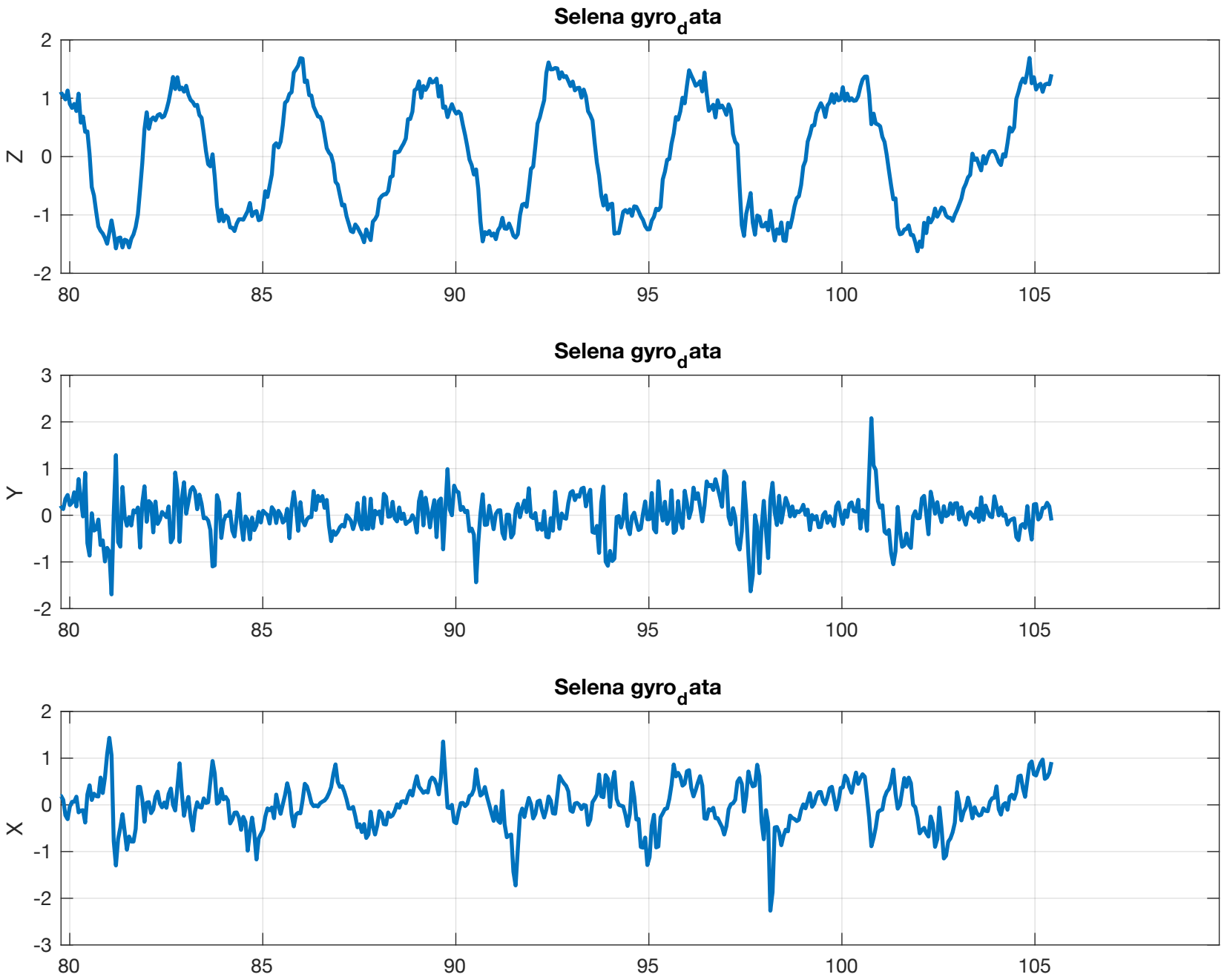

Selena bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
-2
80
85
90
95
100
105

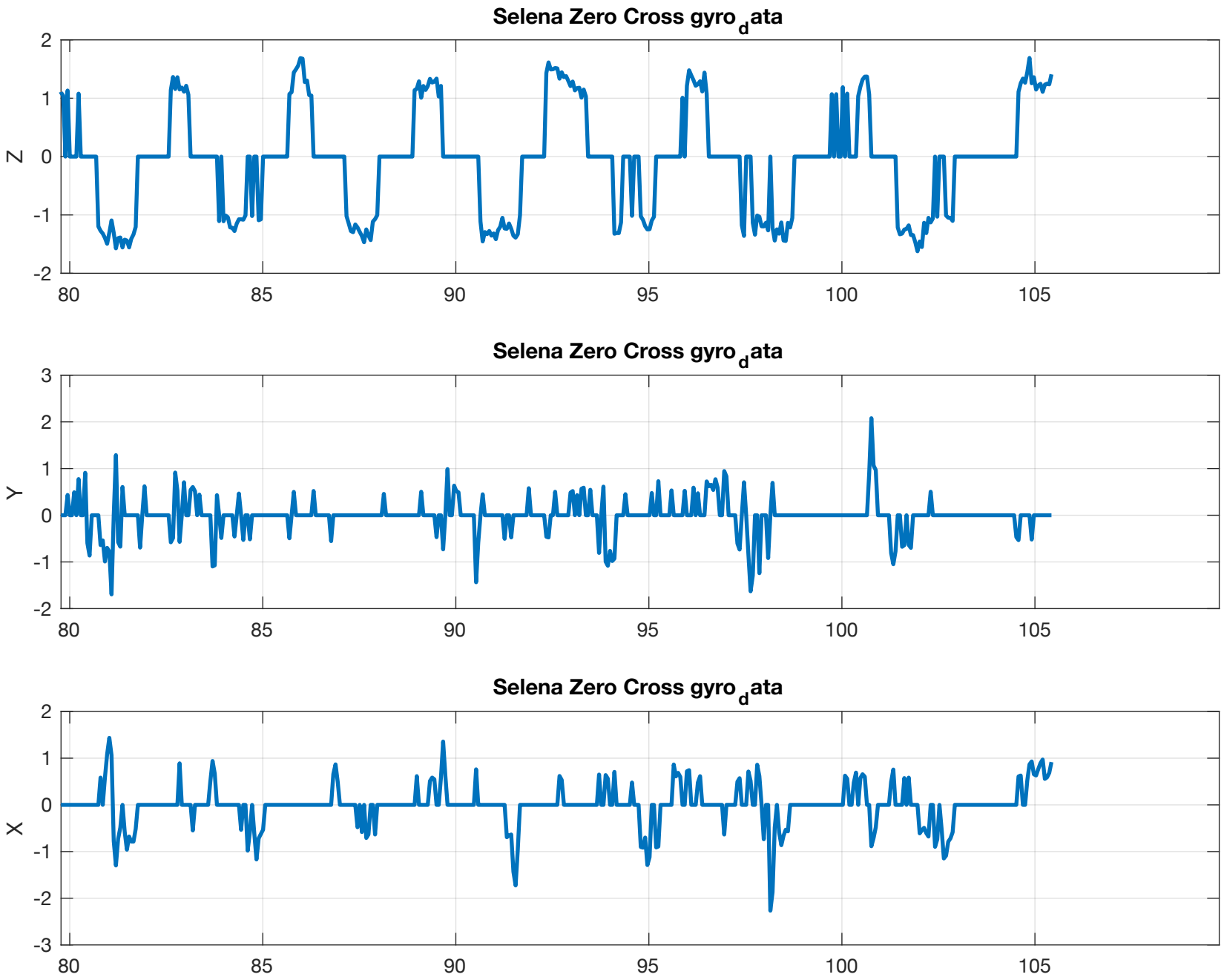

Selena bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
80
85
90
95
100
105


Selena Zero Cross bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
-2
80
85
90
95
100
105

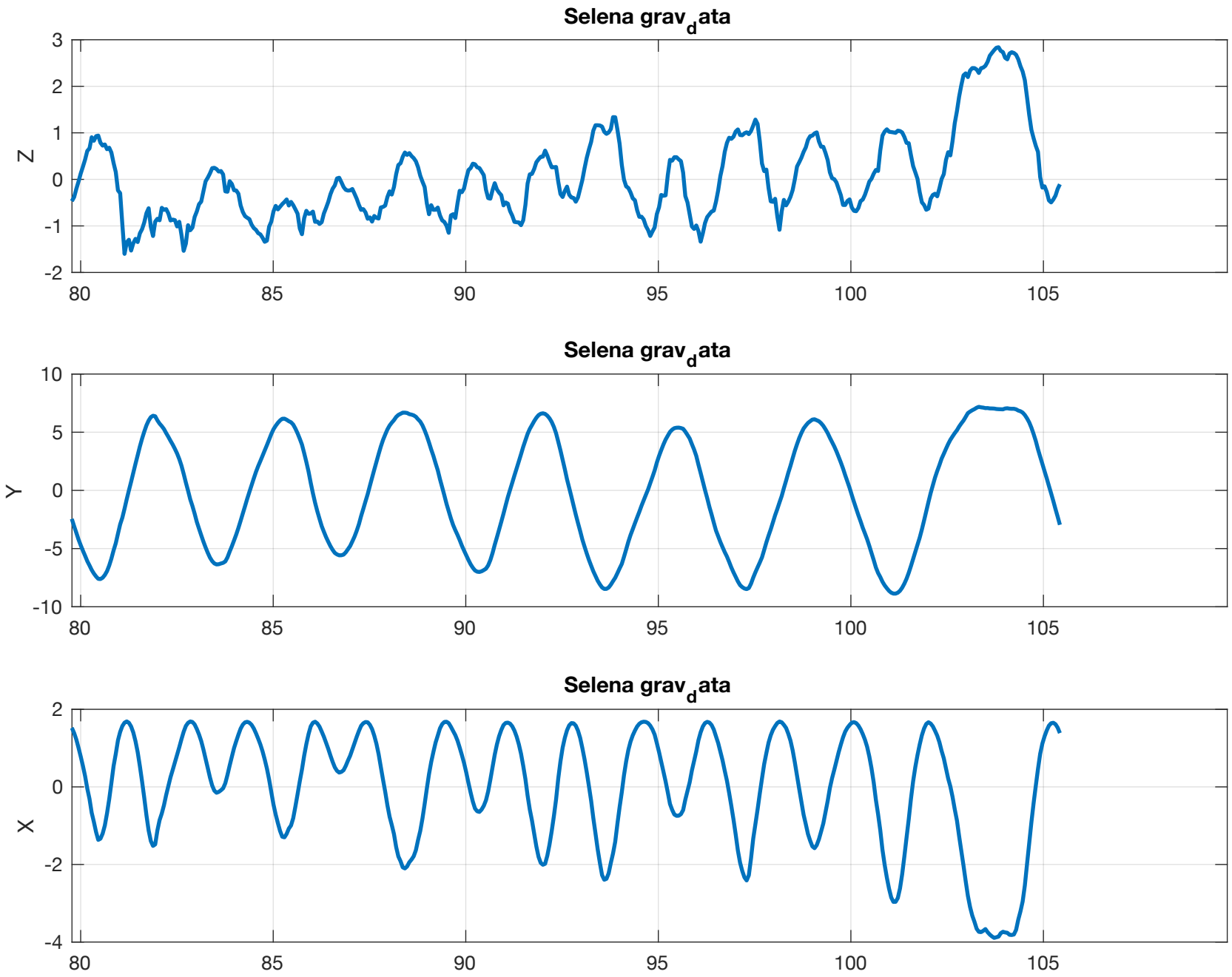

Selena Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
80
85
90
95
100
105

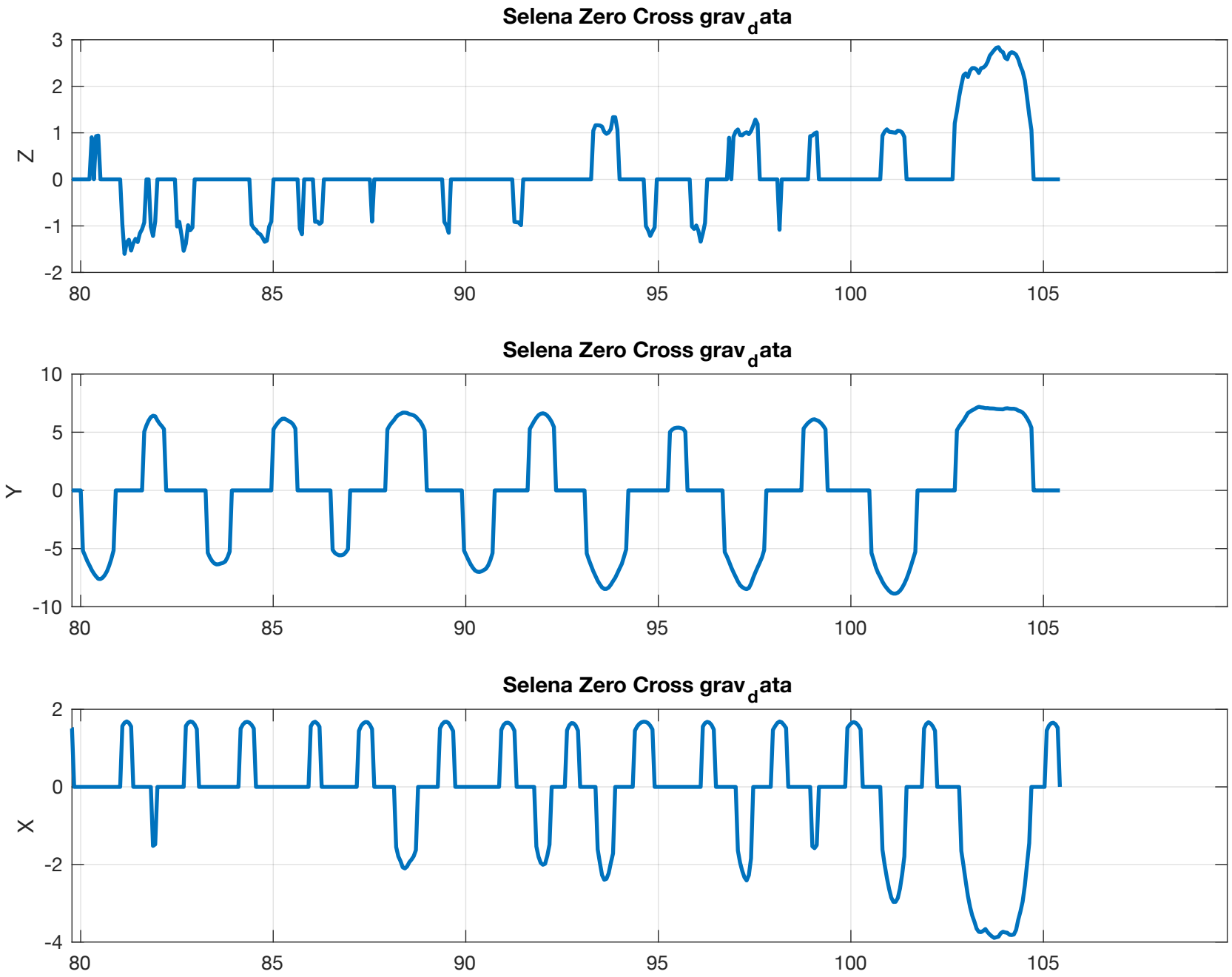
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-40.000	-34.000	-7.000	-7.000	"bar_data"
"Pressure"	-43.000	-16.000	-3.000	-7.000	"bar_data"


Selena gyro_data
Z
2
1
0
-1
-2
80
85
90
95
100
105
Selena gyro_data
Y
3
2
1
0
-1
-2
80
85
90
95
100
105
Selena gyro_data
X
2
1
0
-1
-2
-3
80
85
90
95
100
105

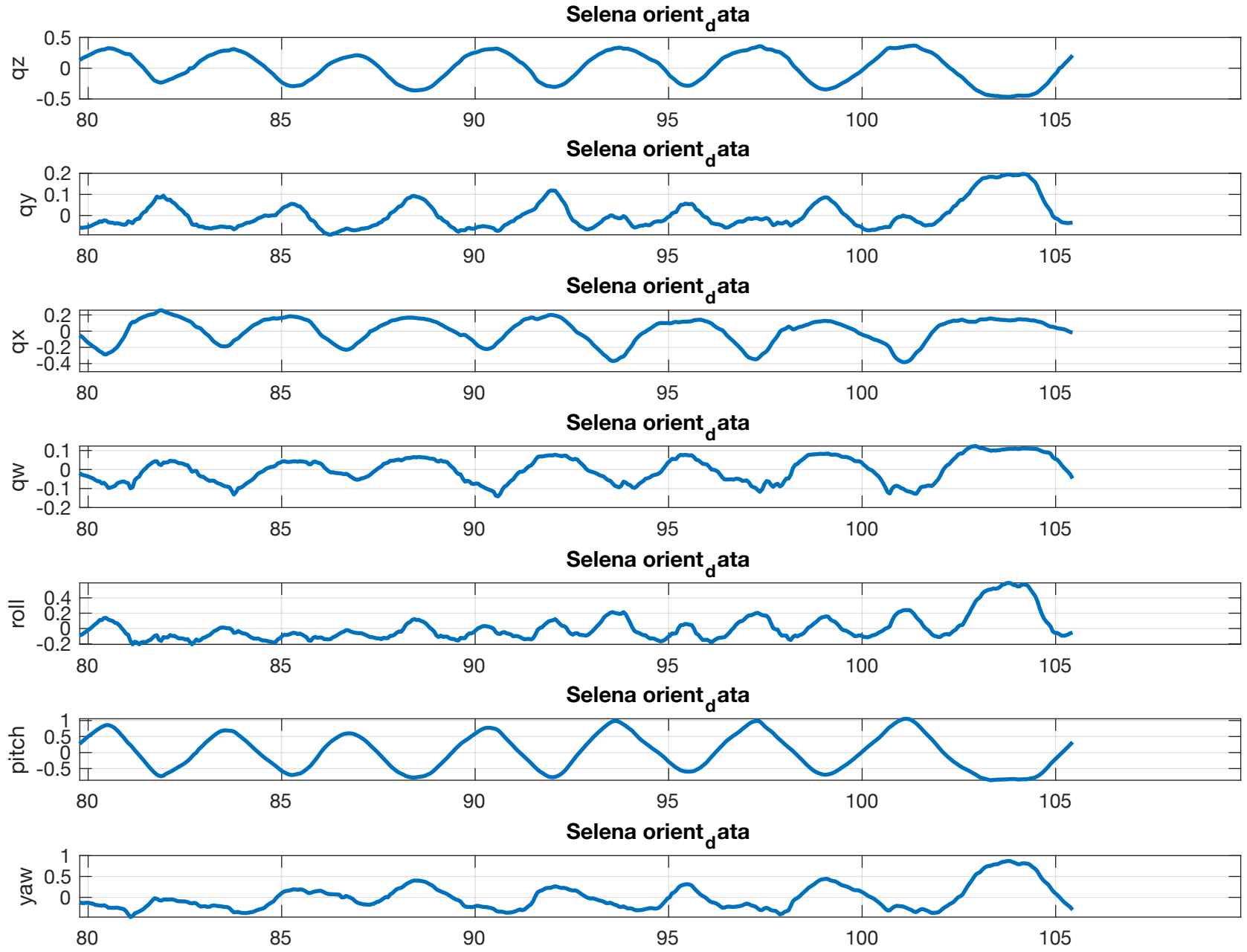

Selena Zero Cross gyro data
Z
2
1
0
-1
-2
80
85
90
95
100
105
Selena Zero Cross gyro data
Y
3
2
1
0
-1
-2
80
85
90
95
100
105
Selena Zero Cross gyro data
X
2
1
0
-1
-2
-3
80
85
90
95
100
105

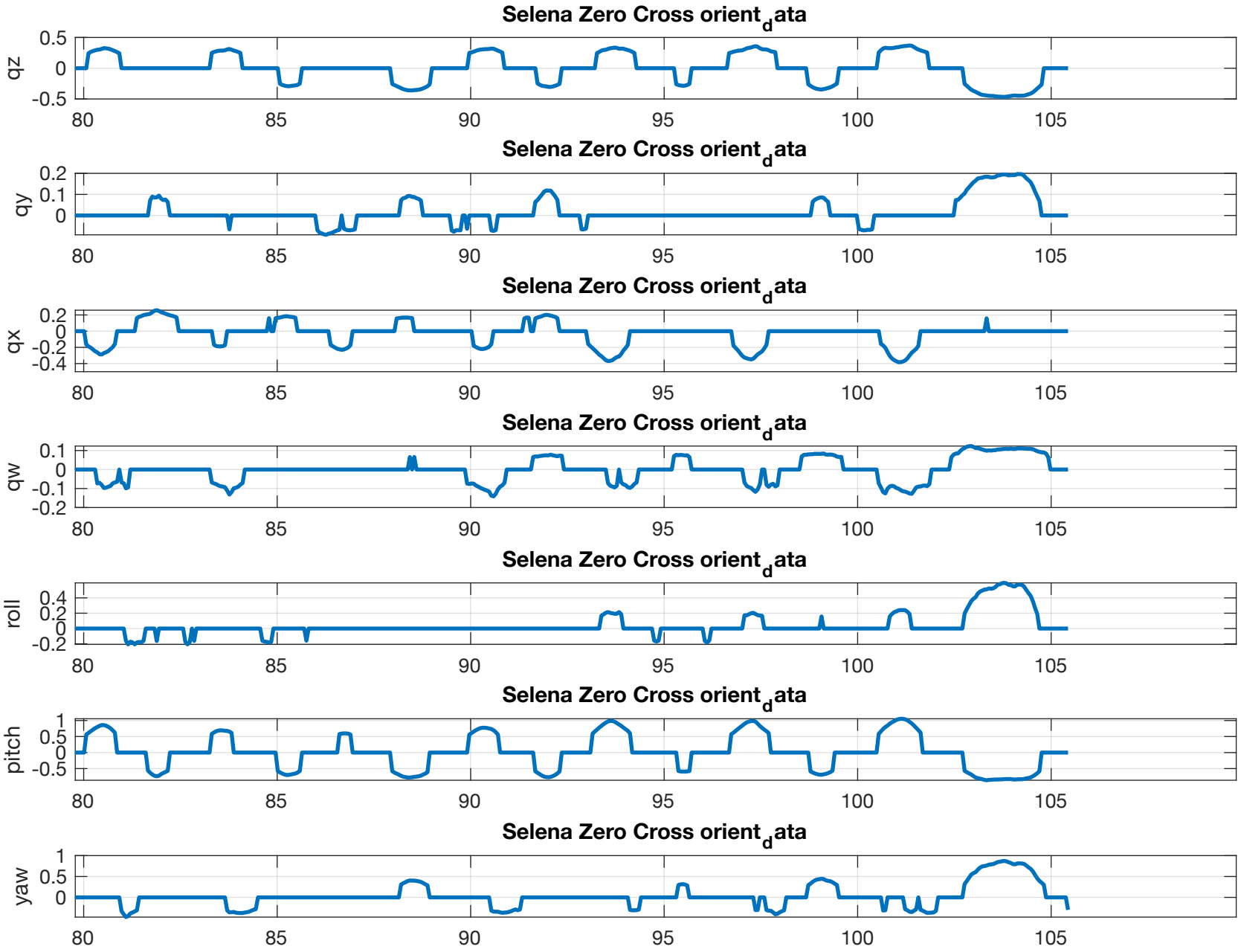
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-122.000	-68.000	-12.000	-8.750	"gyro_data"
'Y'	-177.000	-144.000	-41.000	-34.000	"gyro_data"
'X'	-127.000	-85.000	-23.000	-22.250	"gyro_data"


Selena grav_data
Z
3
2
1
0
-1
-2
80
85
90
95
100
105
Selena grav_data
Y
10
5
0
-5
-10
80
85
90
95
100
105
Selena grav_data
X
2
0
-2
-4
80
85
90
95
100
105


Selena Zero Cross grav_data
Z
3
2
1
0
-1
-2
80
85
90
95
100
105
Selena Zero Cross grav_data
Y
10
5
0
-5
-10
80
85
90
95
100
105
Selena Zero Cross grav_data
X
2
0
-2
-4
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-76.000	-31.000	-7.000	-5.500	"grav_data"
'Y'	-2.000	-2.000	7.000	0.500	"grav_data"
'X'	-11.000	-9.000	3.000	-5.500	"grav_data"


Selena orientdata
qz
0.5
0
-0.5
80
85
90
95
100
105
Selena orientdata
qy
0.2
0.1
0
80
85
90
95
100
105
Selena orientdata
qx
0.2
0
-0.2
-0.4
80
85
90
95
100
105
Selena orientdata
qw
0.1
0
-0.1
-0.2
80
85
90
95
100
105
Selena orientdata
roll
0.4
0.2
0
-0.2
80
85
90
95
100
105
Selena orientdata
pitch
1
0.5
0
-0.5
80
85
90
95
100
105
Selena orientdata
yaw
1
0.5
0
80
85
90
95
100
105


Selena Zero Cross orientdata
qz
0.5
0
-0.5
80
85
90
95
100
105
Selena Zero Cross orientdata
qy
0.2
0.1
0
80
85
90
95
100
105
Selena Zero Cross orientdata
qx
0.2
0
-0.2
-0.4
80
85
90
95
100
105
Selena Zero Cross orientdata
qw
0.1
0
-0.1
-0.2
80
85
90
95
100
105
Selena Zero Cross orientdata
roll
0.4
0.2
0
-0.2
80
85
90
95
100
105
Selena Zero Cross orientdata
pitch
1
0.5
0
-0.5
80
85
90
95
100
105
Selena Zero Cross orientdata
yaw
1
0.5
0
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-9.000	-4.000	4.000	1.500	"orient_data"
'qy'	-40.000	-9.000	1.000	1.500	"orient_data"
'qx'	-25.000	-24.000	2.000	1.500	"orient_data"
'qw'	-64.000	-40.000	-2.000	-1.500	"orient_data"
'roll'	-60.000	-15.000	-5.000	1.000	"orient_data"
'pitch'	-1.000	1.000	8.000	0.500	"orient_data"
'yaw'	-38.000	-11.000	2.000	0.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'double_findpeaks'	40.000
'bar_data'	"Pressure"	'double_findpeaks'	3.000
'gyro_data'	"Z"	'zero_cross'	8.750
'grav_data'	"Y"	'zero_cross'	0.500
'orient_data'	"yaw"	'zero_cross'	0.250