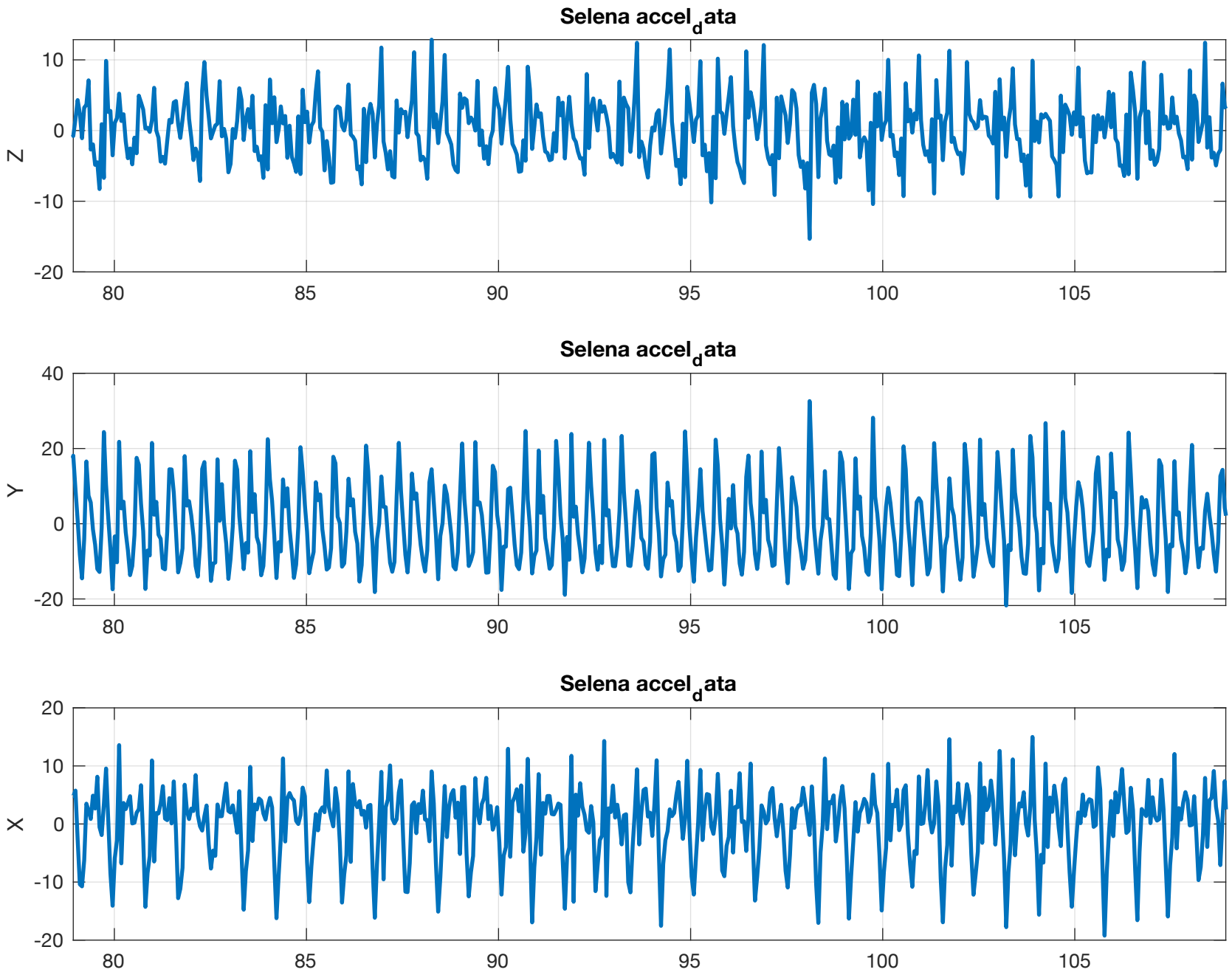
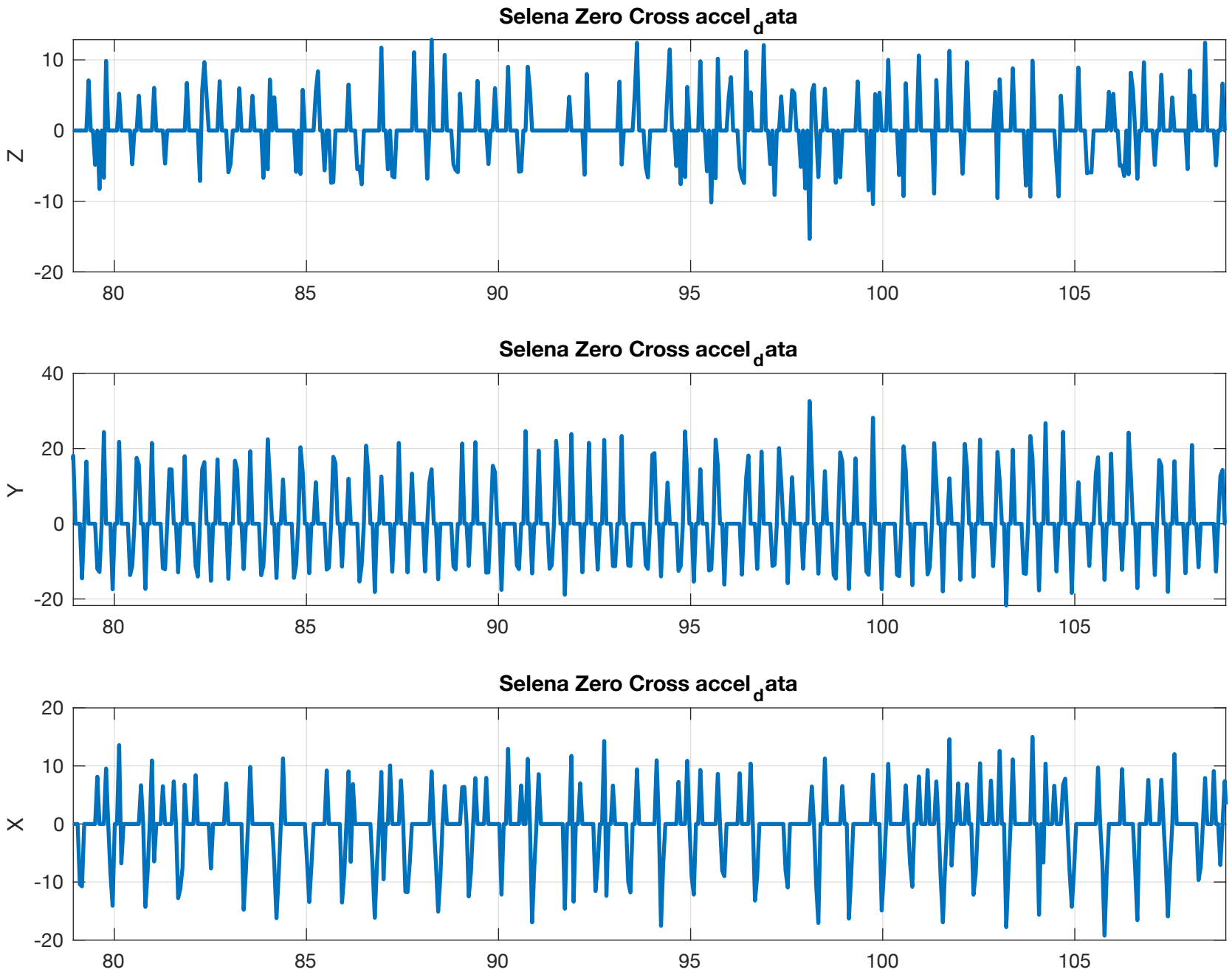
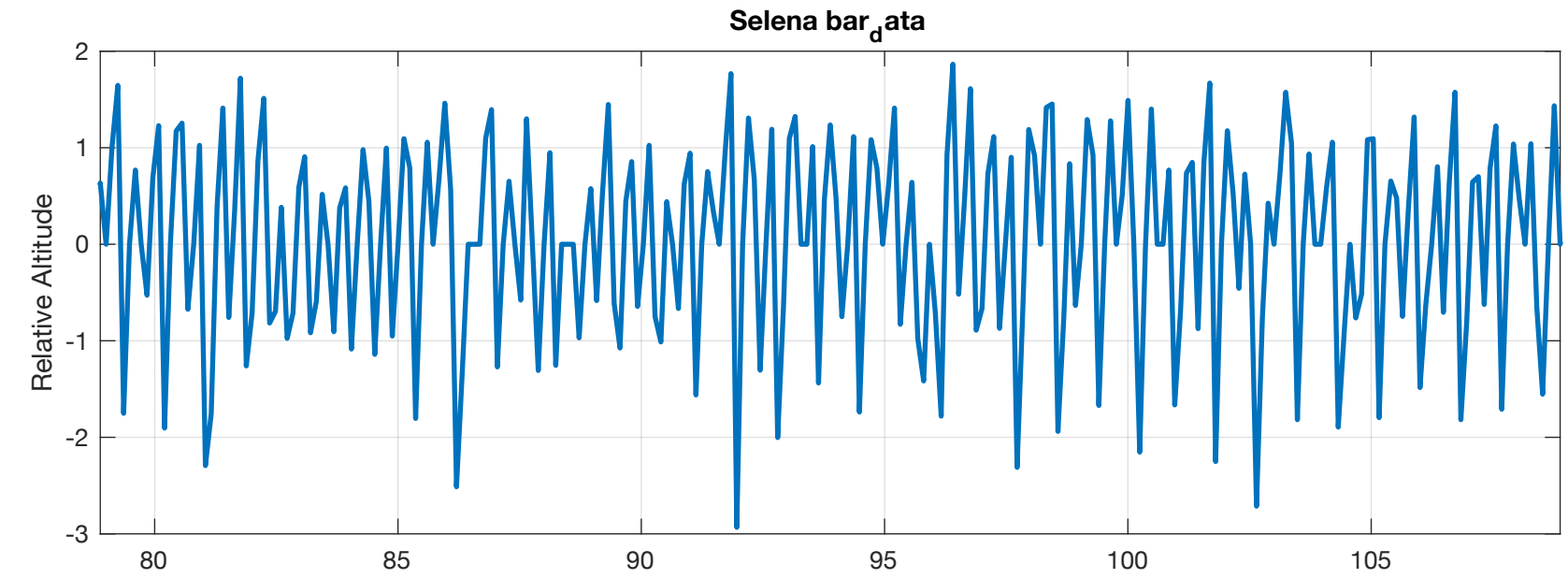
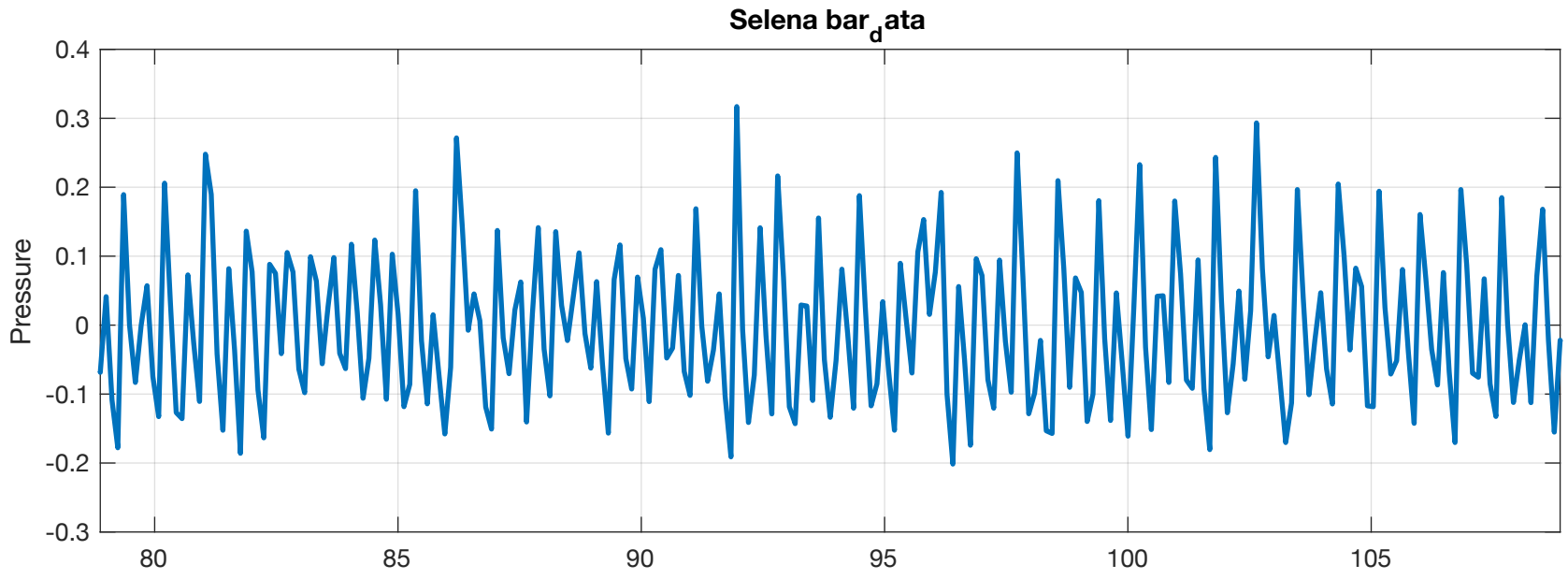
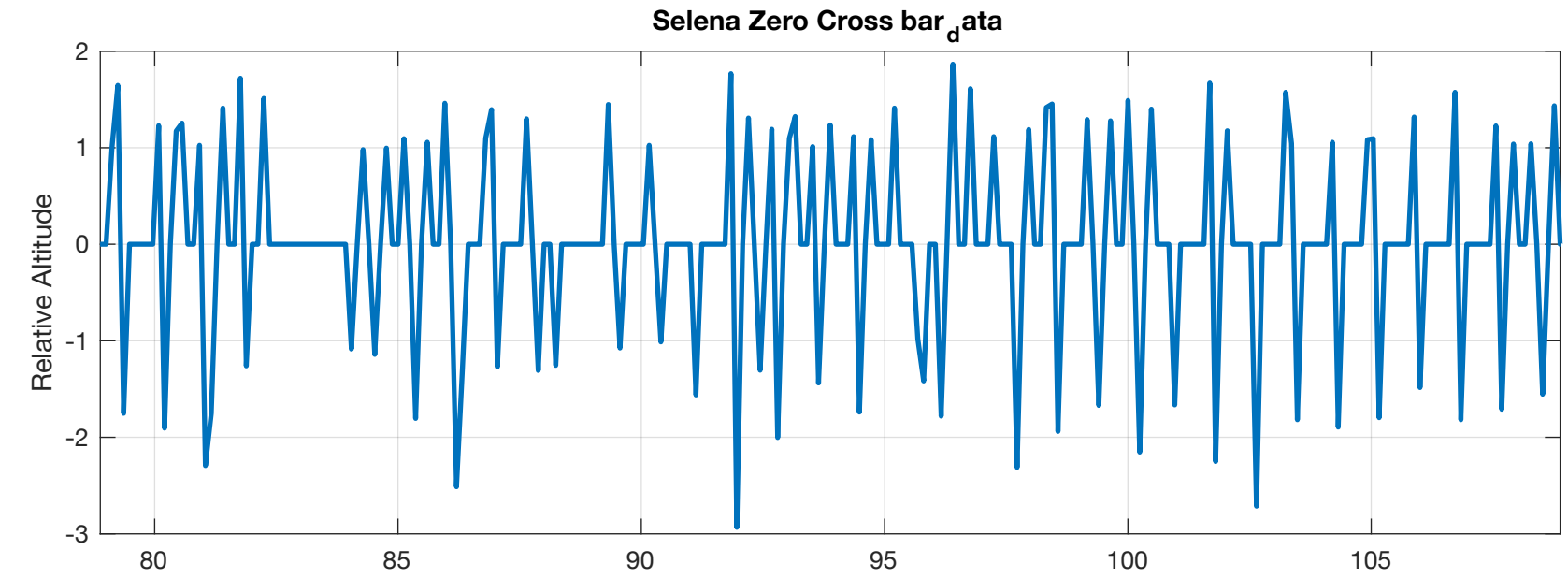

Selena accel_data
Z
10
0
-10
-20
80
85
90
95
100
105
Selena accel_data
Y
40
20
0
-20
80
85
90
95
100
105
Selena accel_data
X
20
10
0
-10
-20
80
85
90
95
100
105

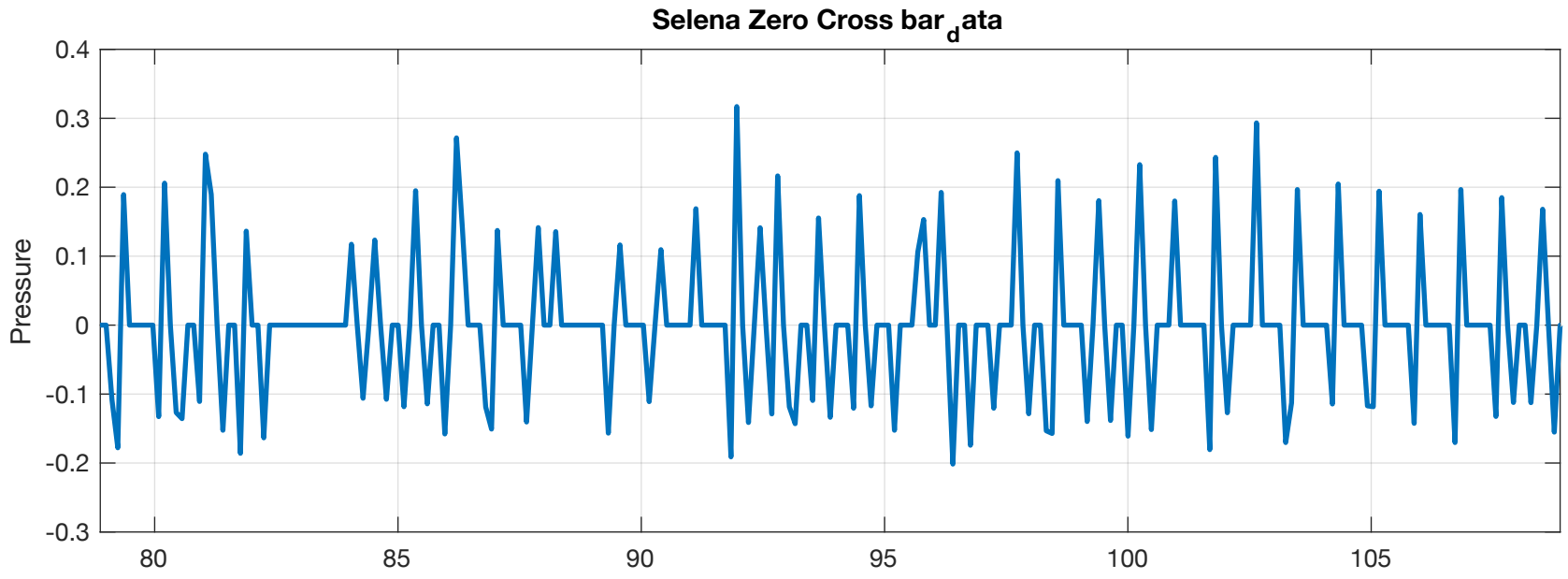

Selena Zero Cross accel_data
Z
10
0
-10
-20
80
85
90
95
100
105
Selena Zero Cross accel_data
Y
40
20
0
-20
80
85
90
95
100
105
Selena Zero Cross accel_data
X
20
10
0
-10
-20
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-313.000	-192.000	28.000	-4.500	"accel_data"
'Y'	-109.000	-78.000	76.000	-15.000	"accel_data"
'X'	-254.000	-250.000	47.000	25.500	"accel_data"

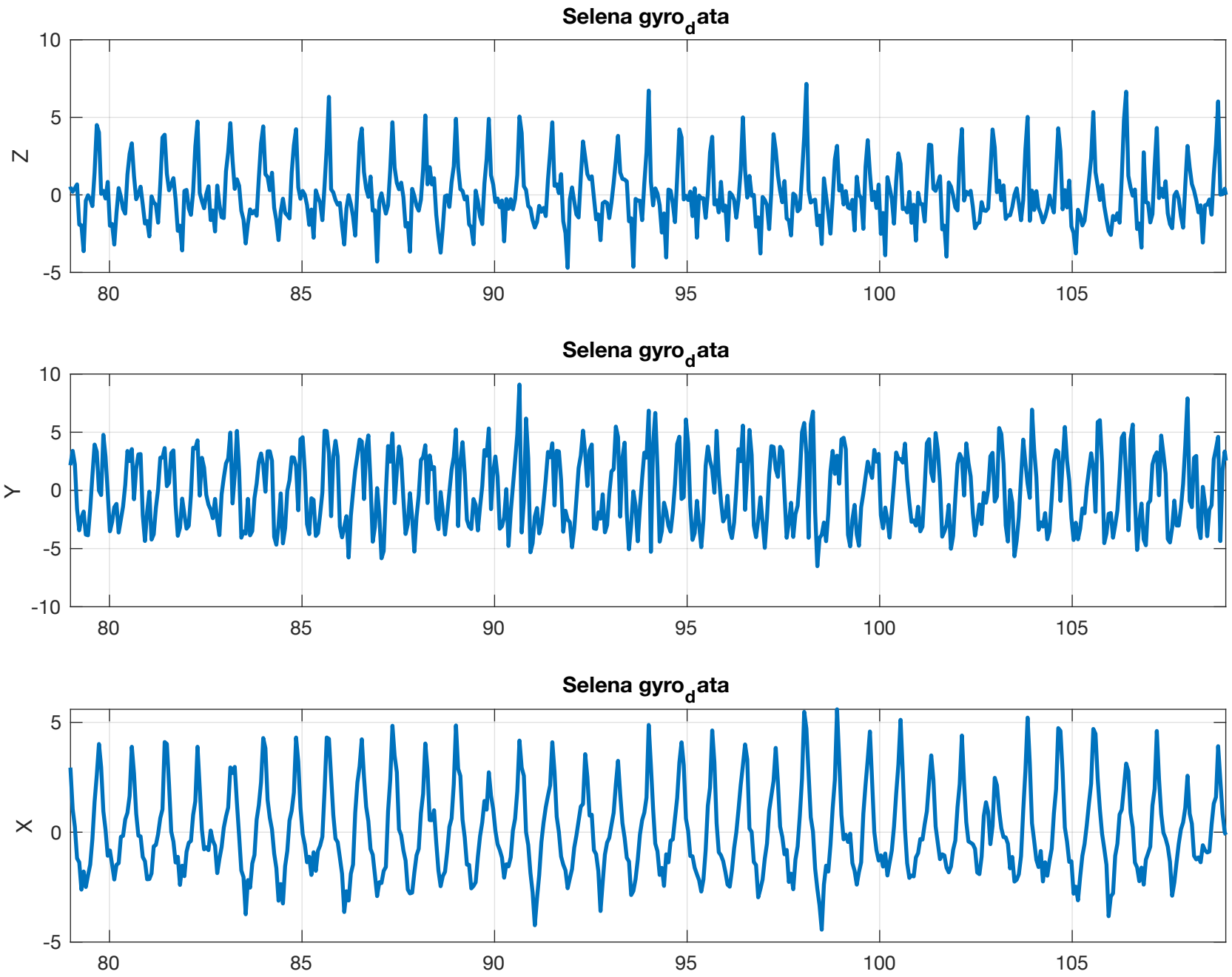

Selena bar_data
Relative Altitude
2
1
0
-1
-2
-3
80
85
90
95
100
105

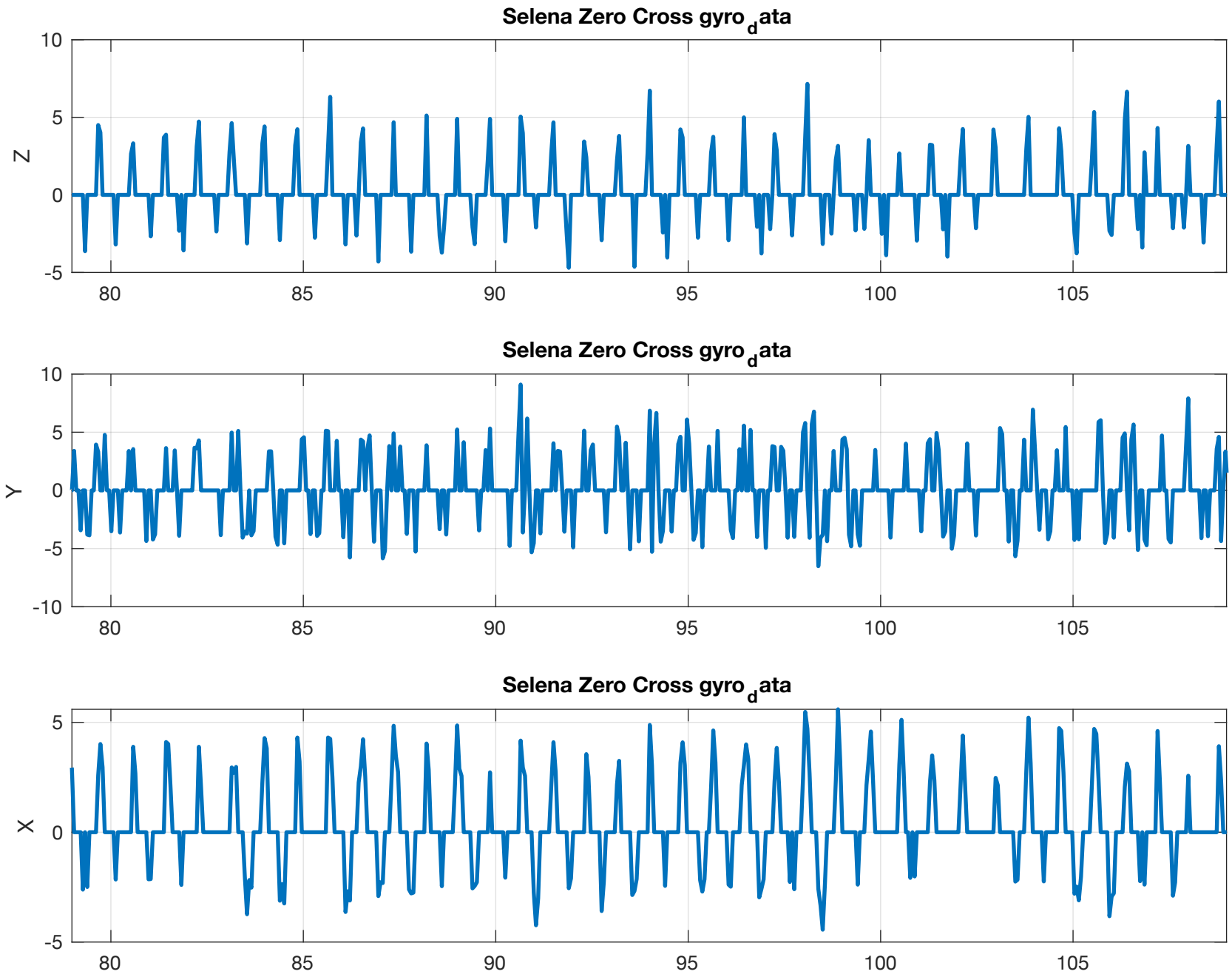

Selena bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
80
85
90
95
100
105


Selena Zero Cross bar_data
Relative Altitude
2
1
0
-1
-2
-3
80
85
90
95
100
105

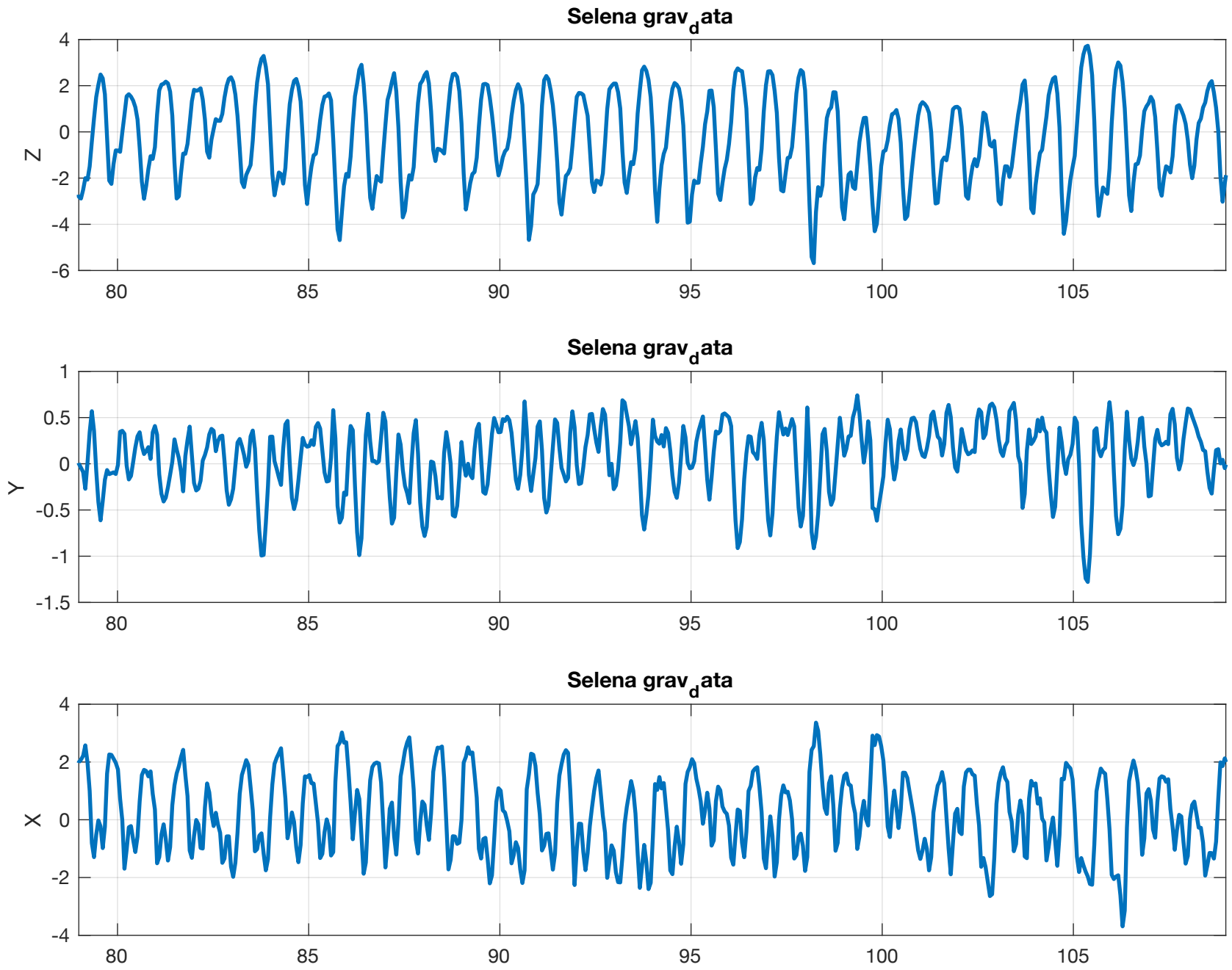

Selena Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
80
85
90
95
100
105

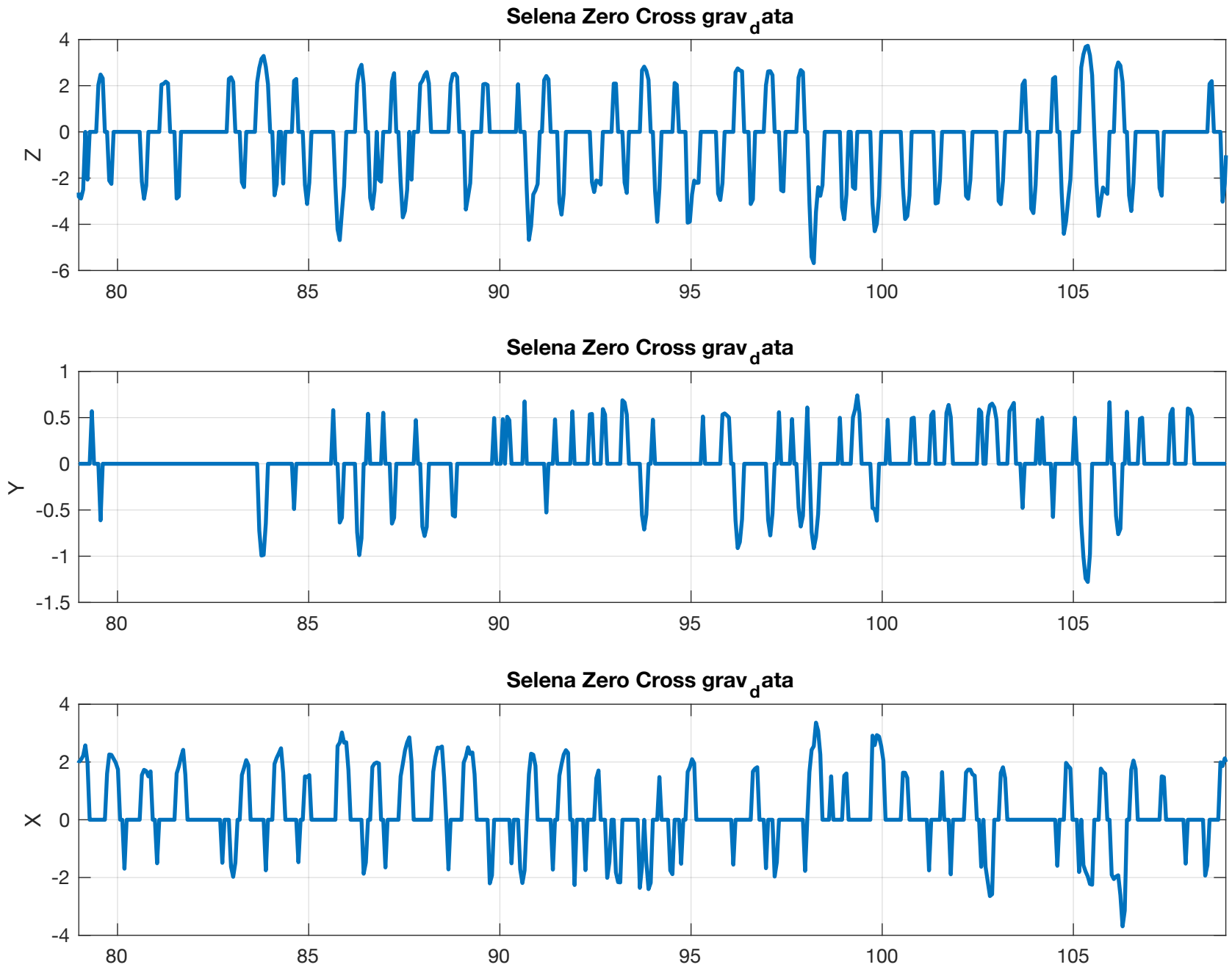
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-32.000	-14.000	120.000	76.500	"bar_data"
"Pressure"	-34.000	-24.000	100.000	76.500	"bar_data"


Selena gyro_data
Z
10
5
0
-5
80
85
90
95
100
105
Selena gyro_data
Y
10
5
0
-5
-10
80
85
90
95
100
105
Selena gyro_data
X
5
0
-5
80
85
90
95
100
105

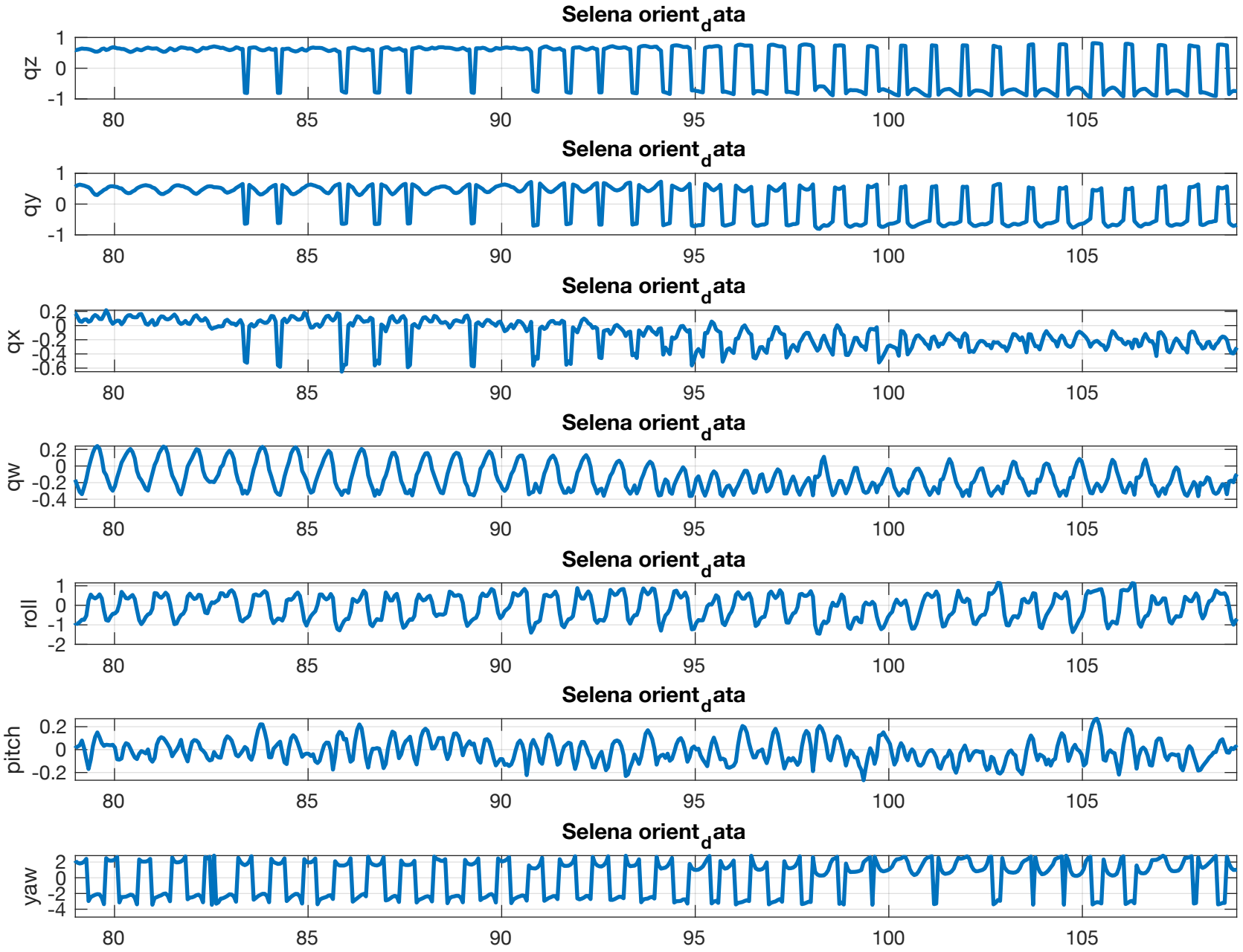

Selena Zero Cross gyro_data
Z
10
5
0
-5
80
85
90
95
100
105
Selena Zero Cross gyro_data
Y
10
5
0
-5
-10
80
85
90
95
100
105
Selena Zero Cross gyro_data
X
5
0
-5
80
85
90
95
100
105

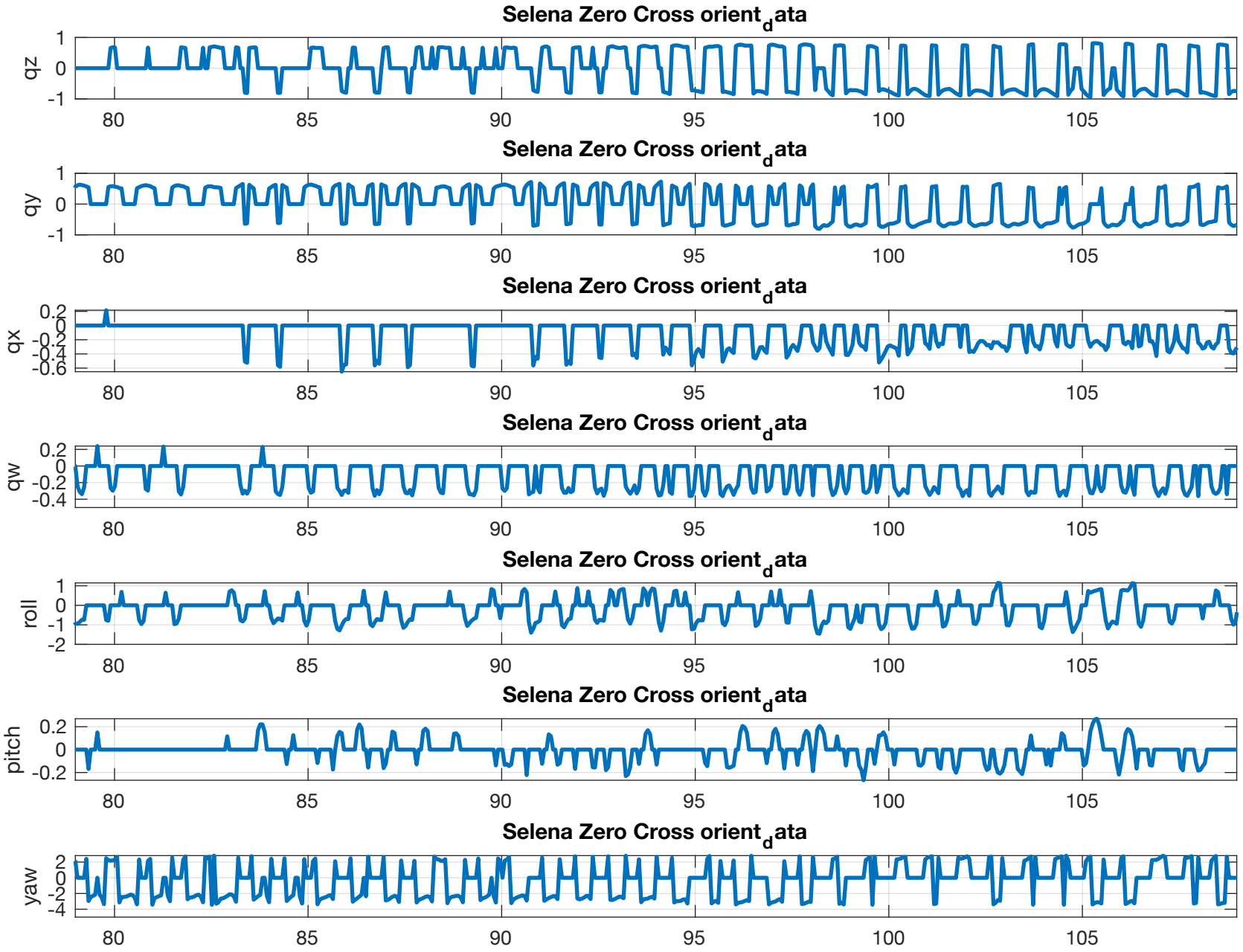
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-238.000	-86.000	65.000	72.000	"gyro_data"
'Y'	-198.000	-76.000	81.000	-21.500	"gyro_data"
'X'	-39.000	54.000	119.000	87.500	"gyro_data"


Selena grav_data
Z
4
2
0
-2
-4
-6
80
85
90
95
100
105
Selena grav_data
Y
1
0.5
0
-0.5
-1
-1.5
80
85
90
95
100
105
Selena grav_data
X
4
2
0
-2
-4
80
85
90
95
100
105


Selena Zero Cross grav_data
Z
4
2
0
-2
-4
-6
80
85
90
95
100
105
Selena Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
-1.5
80
85
90
95
100
105
Selena Zero Cross grav_data
X
4
2
0
-2
-4
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	12.000	68.000	131.000	106.500	"grav_data"
'Y'	-71.000	-59.000	112.000	106.750	"grav_data"
'X'	-74.000	5.000	93.000	87.500	"grav_data"


Selena orient_data
qz
1
0
-1
80
85
90
95
100
105
Selena orient_data
qy
1
0
-1
80
85
90
95
100
105
Selena orient_data
qx
0.2
0
-0.2
-0.4
-0.6
80
85
90
95
100
105
Selena orient_data
qw
0.2
0
-0.2
-0.4
80
85
90
95
100
105
Selena orient_data
roll
1
0
-1
-2
80
85
90
95
100
105
Selena orient_data
pitch
0.2
0
-0.2
80
85
90
95
100
105
Selena orient_data
yaw
2
0
-2
-4
80
85
90
95
100
105


Selena Zero Cross orientdata
qz
1
0
-1
80
85
90
95
100
105
Selena Zero Cross orientdata
qy
1
0
-1
80
85
90
95
100
105
Selena Zero Cross orientdata
qx
0.2
0
-0.2
-0.4
-0.6
80
85
90
95
100
105
Selena Zero Cross orientdata
qw
0.2
0
-0.2
-0.4
80
85
90
95
100
105
Selena Zero Cross orientdata
roll
1
0
-1
-2
80
85
90
95
100
105
Selena Zero Cross orientdata
pitch
0.2
0
-0.2
80
85
90
95
100
105
Selena Zero Cross orientdata
yaw
2
0
-2
-4
80
85
90
95
100
105

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-35.000	29.000	114.000	128.000	"orient_data"
'qy'	-35.000	67.000	145.000	116.000	"orient_data"
'qx'	-105.000	18.000	132.000	133.250	"orient_data"
'qw'	-2.000	73.000	134.000	126.750	"orient_data"
'roll'	-66.000	-34.000	114.000	84.000	"orient_data"
'pitch'	-69.000	17.000	104.000	89.250	"orient_data"
'yaw'	-77.000	-7.000	112.000	69.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	4.500
'bar_data'	"Relative Altitude"	'findpeaks_above_zero'	14.000
'gyro_data'	"Y"	'zero_cross'	21.500
'grav_data'	"X"	'findpeaks_above_zero'	5.000
'orient_data'	"qw"	'findpeaks'	2.000