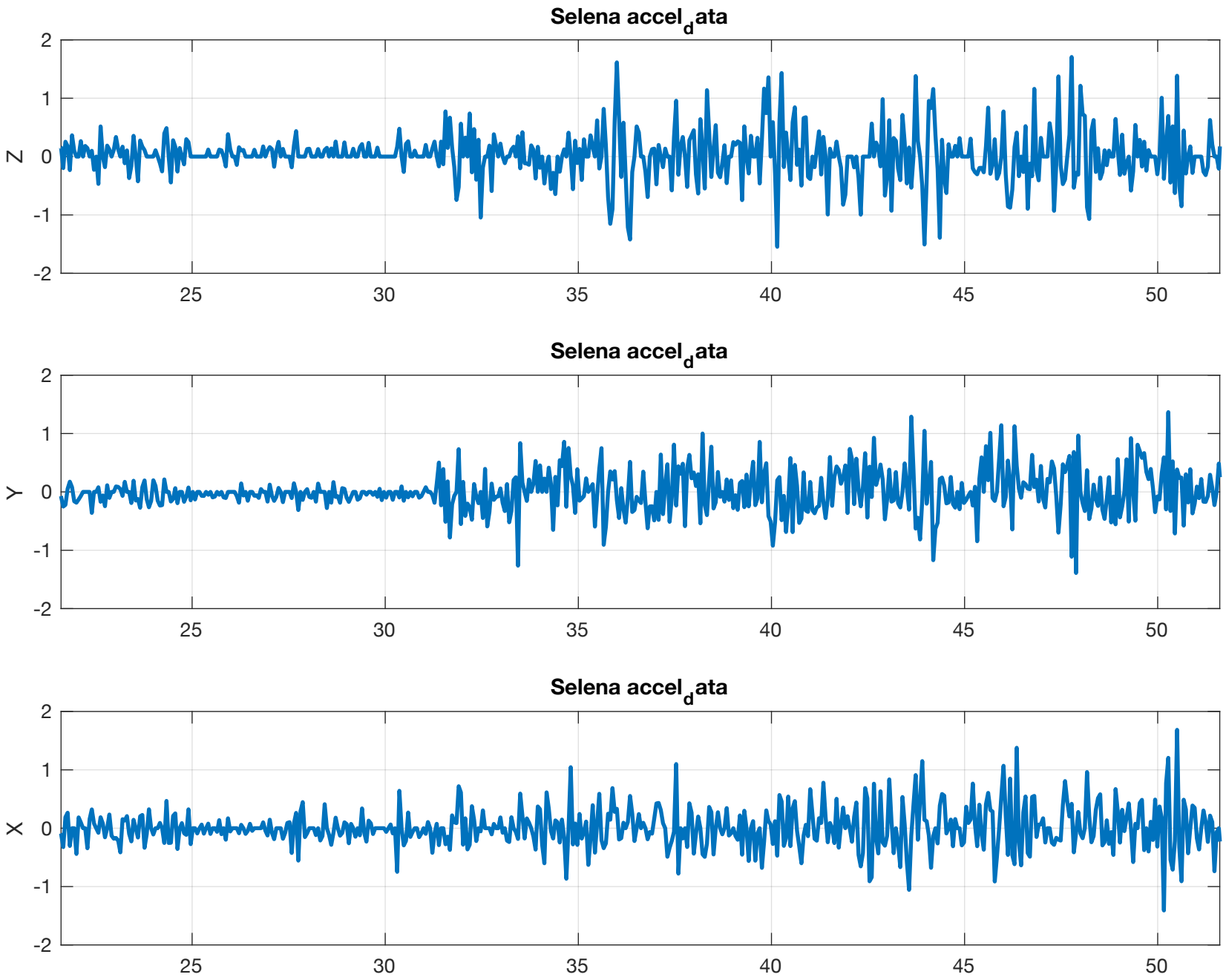
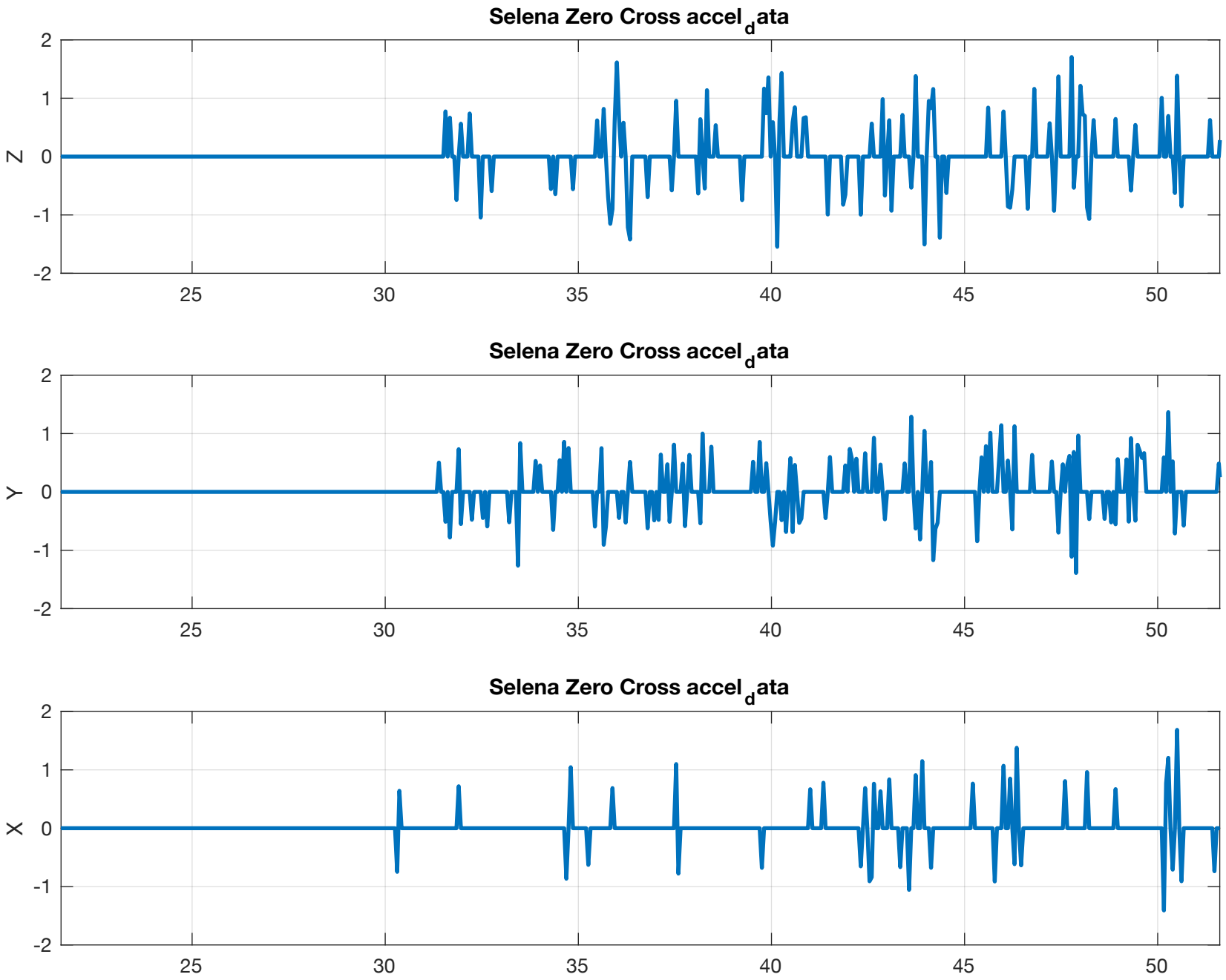
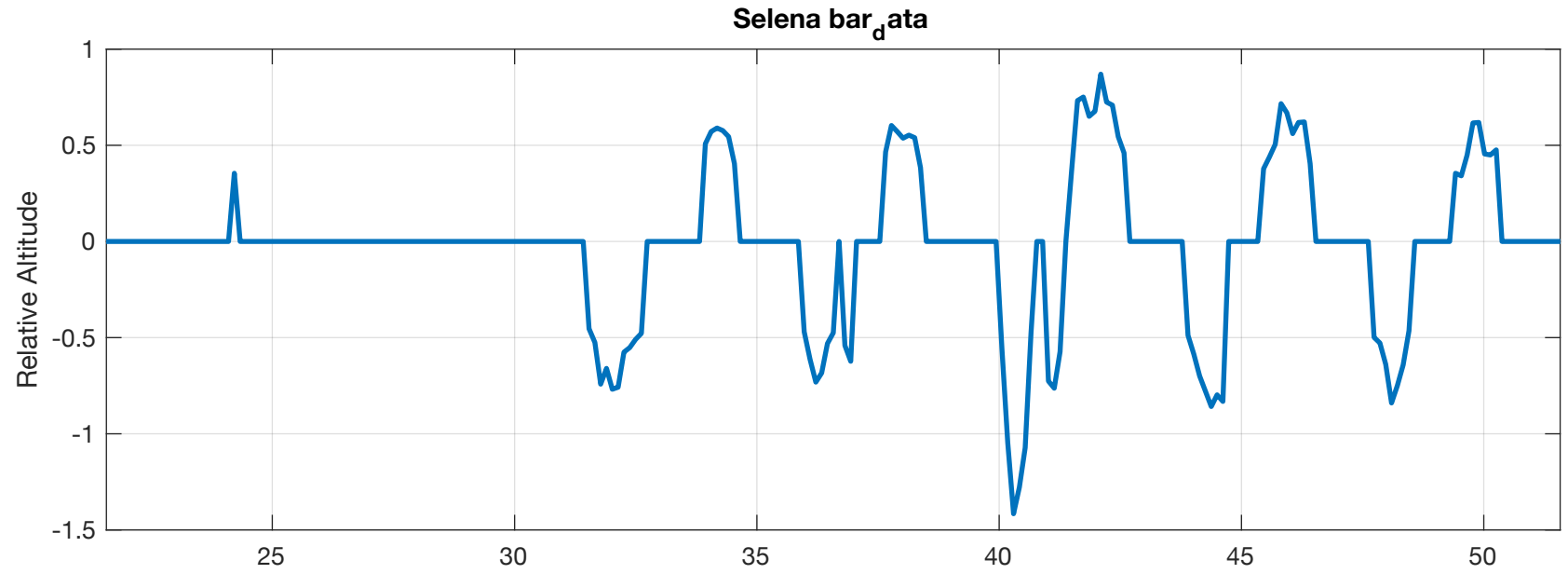
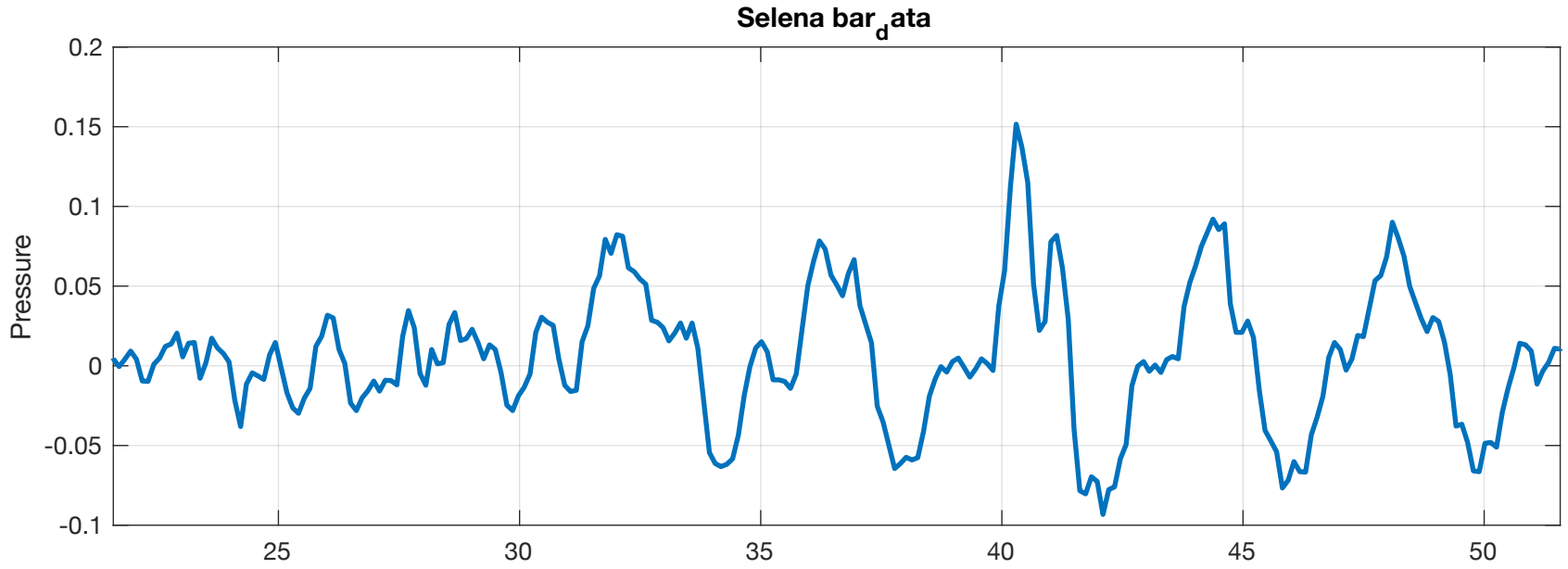
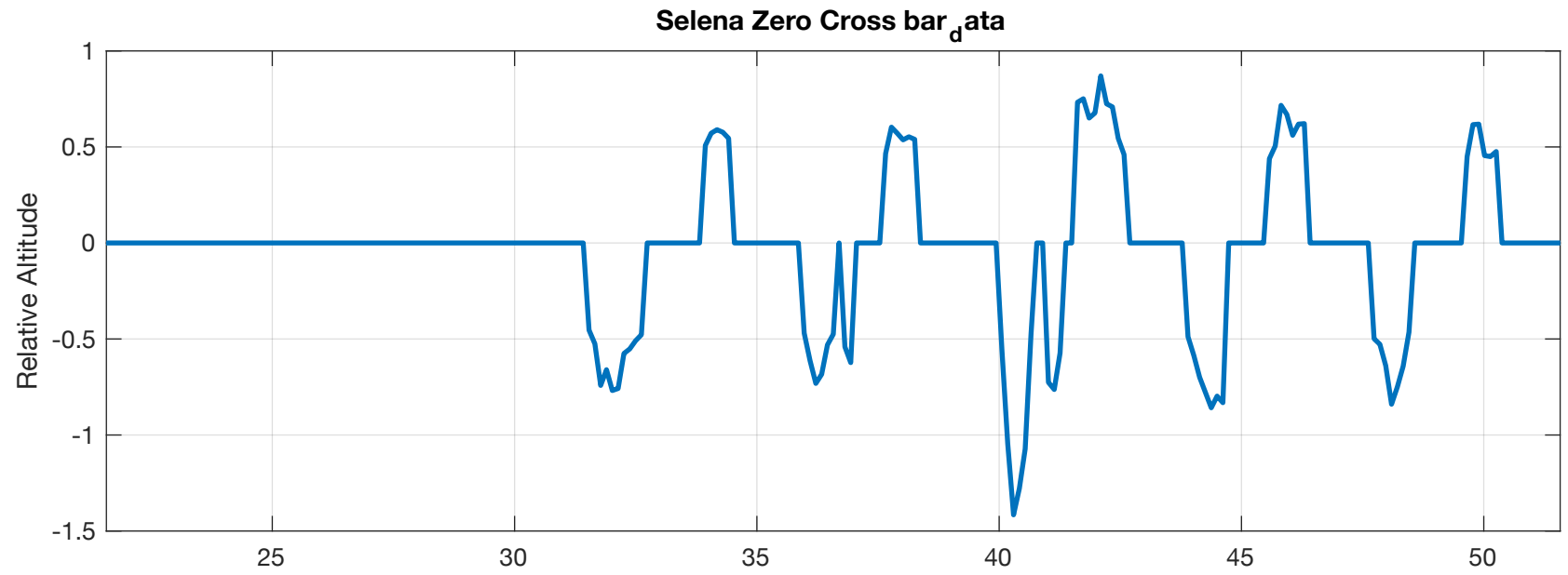

Selena accel_data
Z
2
1
0
-1
-2
25
30
35
40
45
50
Selena accel_data
Y
2
1
0
-1
-2
25
30
35
40
45
50
Selena accel_data
X
2
1
0
-1
-2
25
30
35
40
45
50

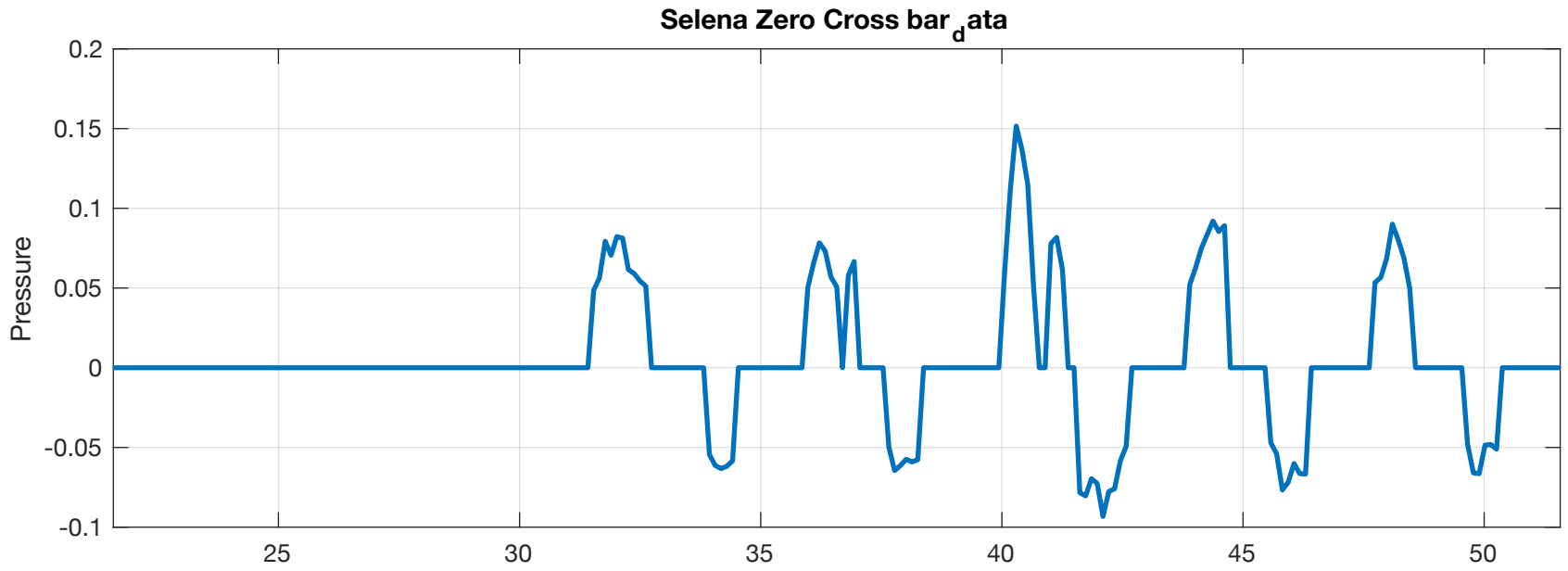

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
25
30
35
40
45
50
Selena Zero Cross accel_data
Y
2
1
0
-1
-2
25
30
35
40
45
50
Selena Zero Cross accel_data
X
2
1
0
-1
-2
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-319.000	-284.000	-94.000	-80.500	"accel_data"
'Y'	-361.000	-273.000	-108.000	-80.000	"accel_data"
'X'	-325.000	-271.000	-100.000	-54.500	"accel_data"

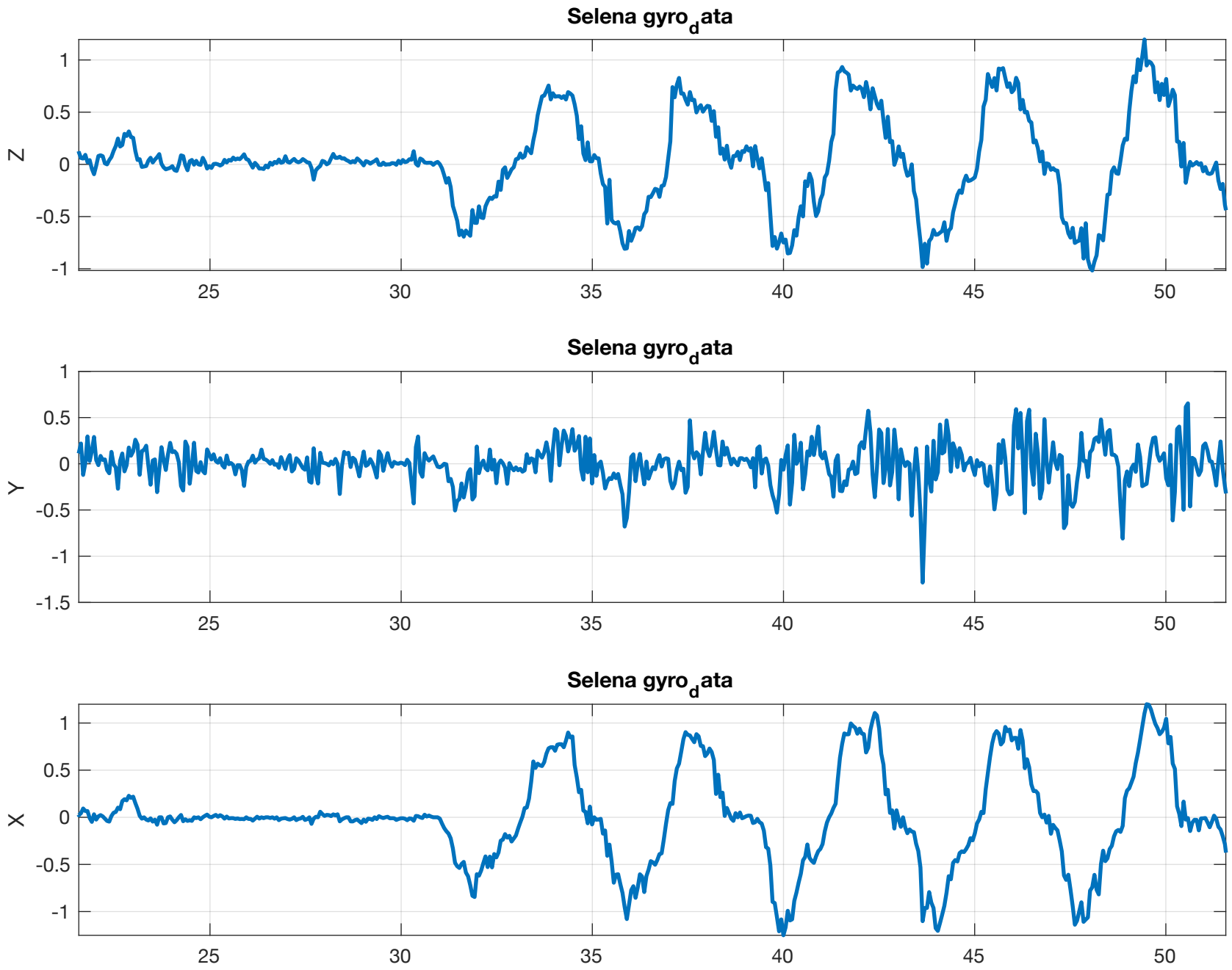

Selena bar_data
Relative Altitude
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50

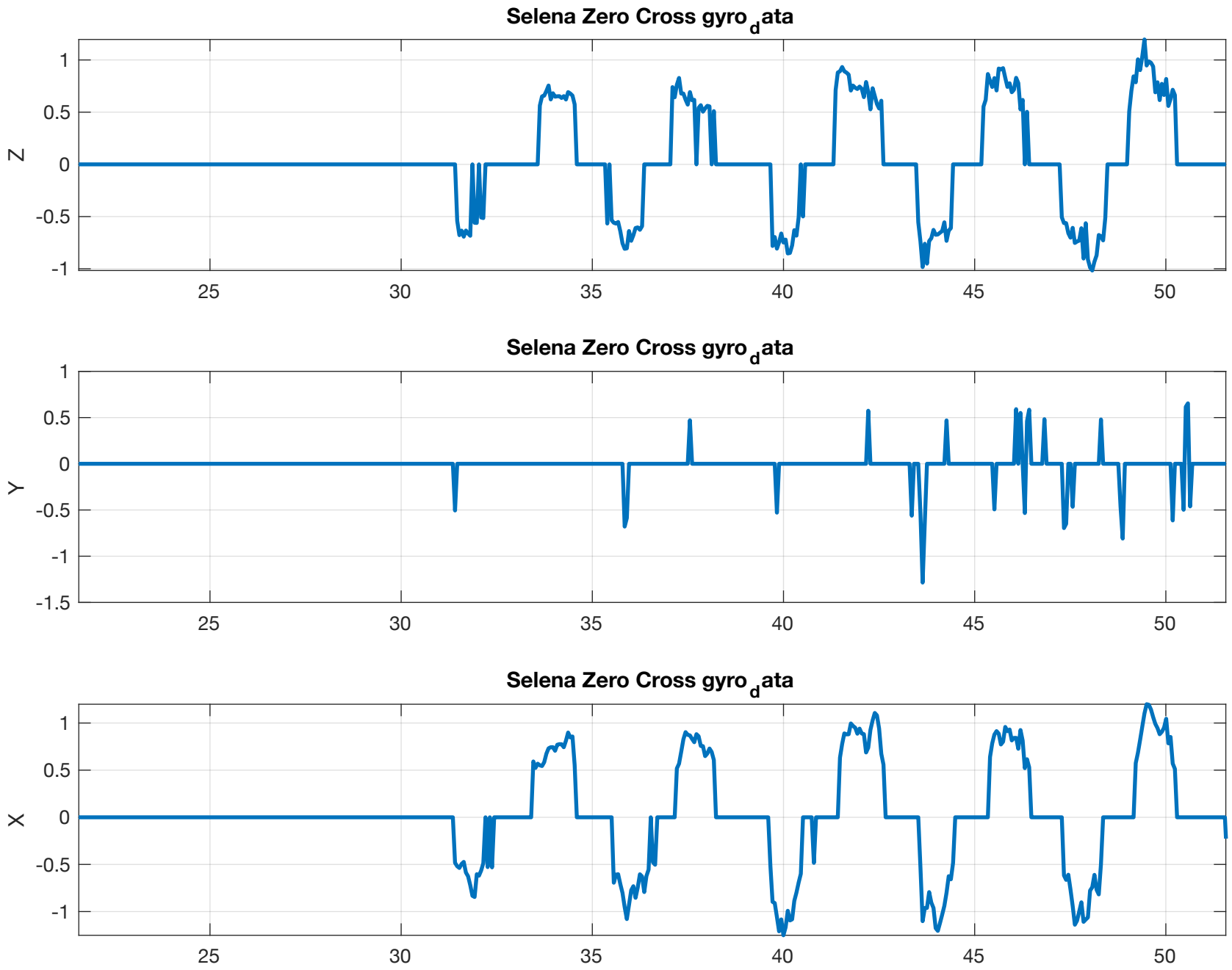

Selena bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
25
30
35
40
45
50


Selena Zero Cross bar_data
Relative Altitude
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50

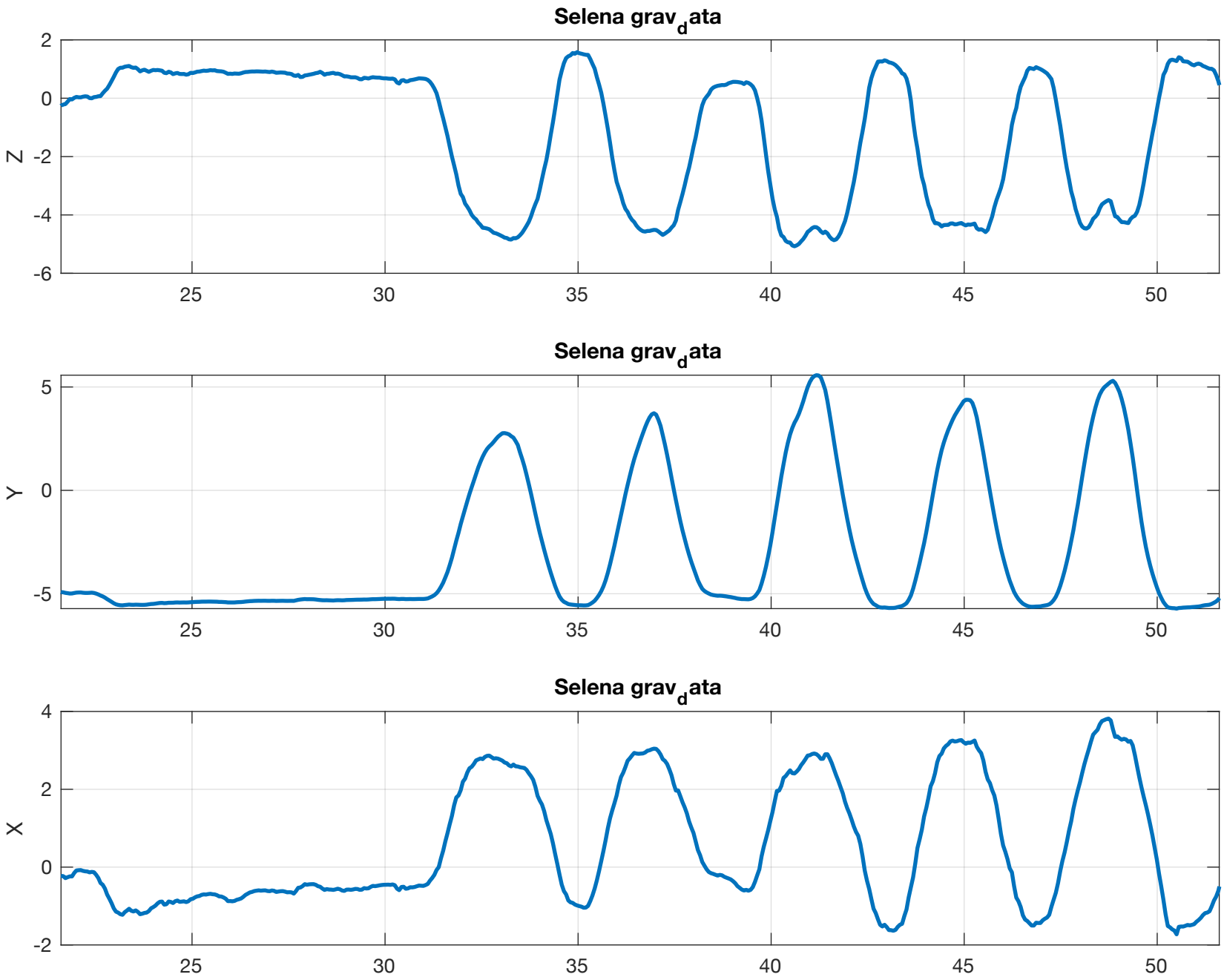

Selena Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
25
30
35
40
45
50

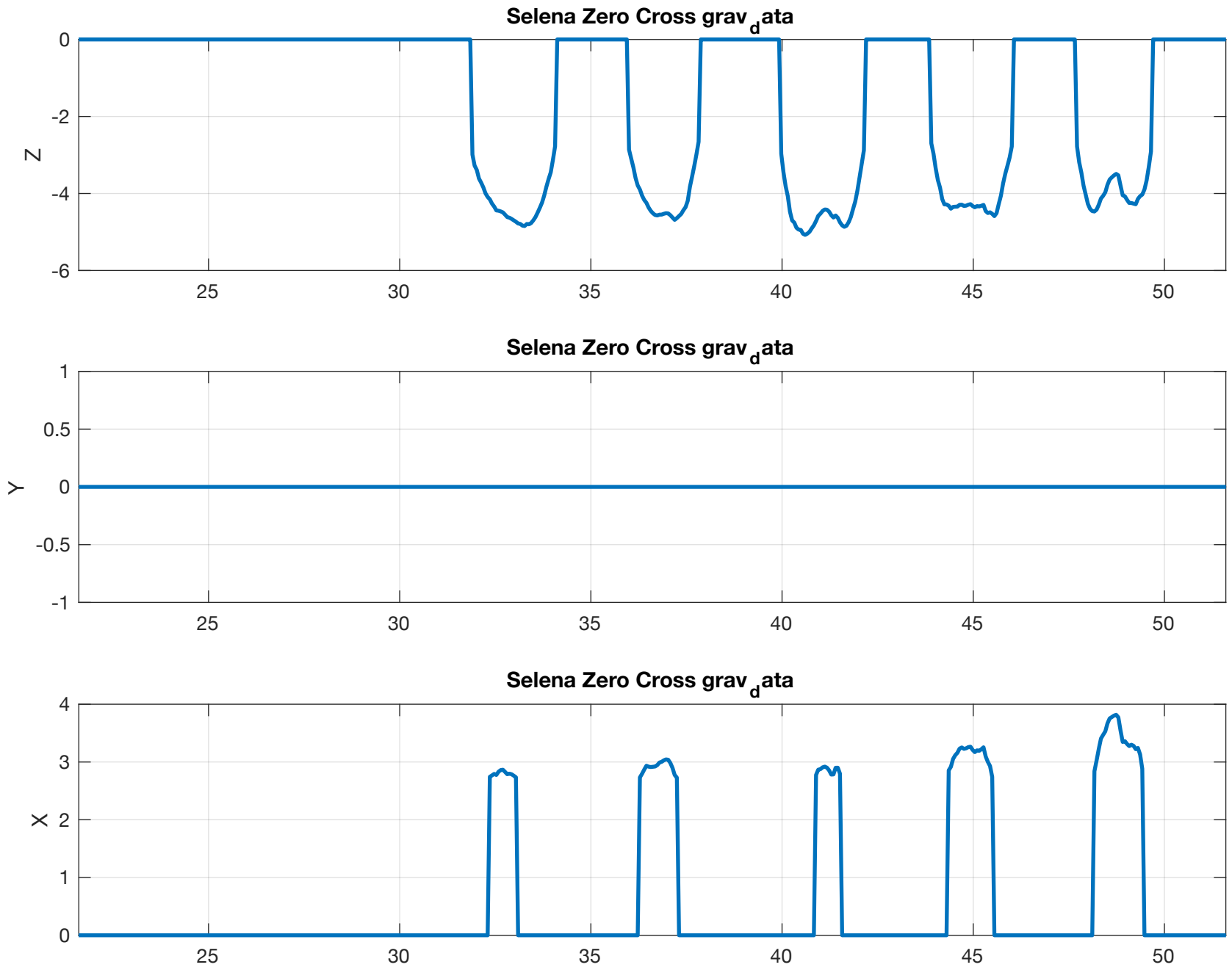
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-24.000	-14.000	0.000	-2.500	"bar_data"
"Pressure"	-91.000	-66.000	-18.000	-2.500	"bar_data"


Selena gyro_data
Z
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Selena gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Selena gyro_data
X
1
0.5
0
-0.5
-1
25
30
35
40
45
50

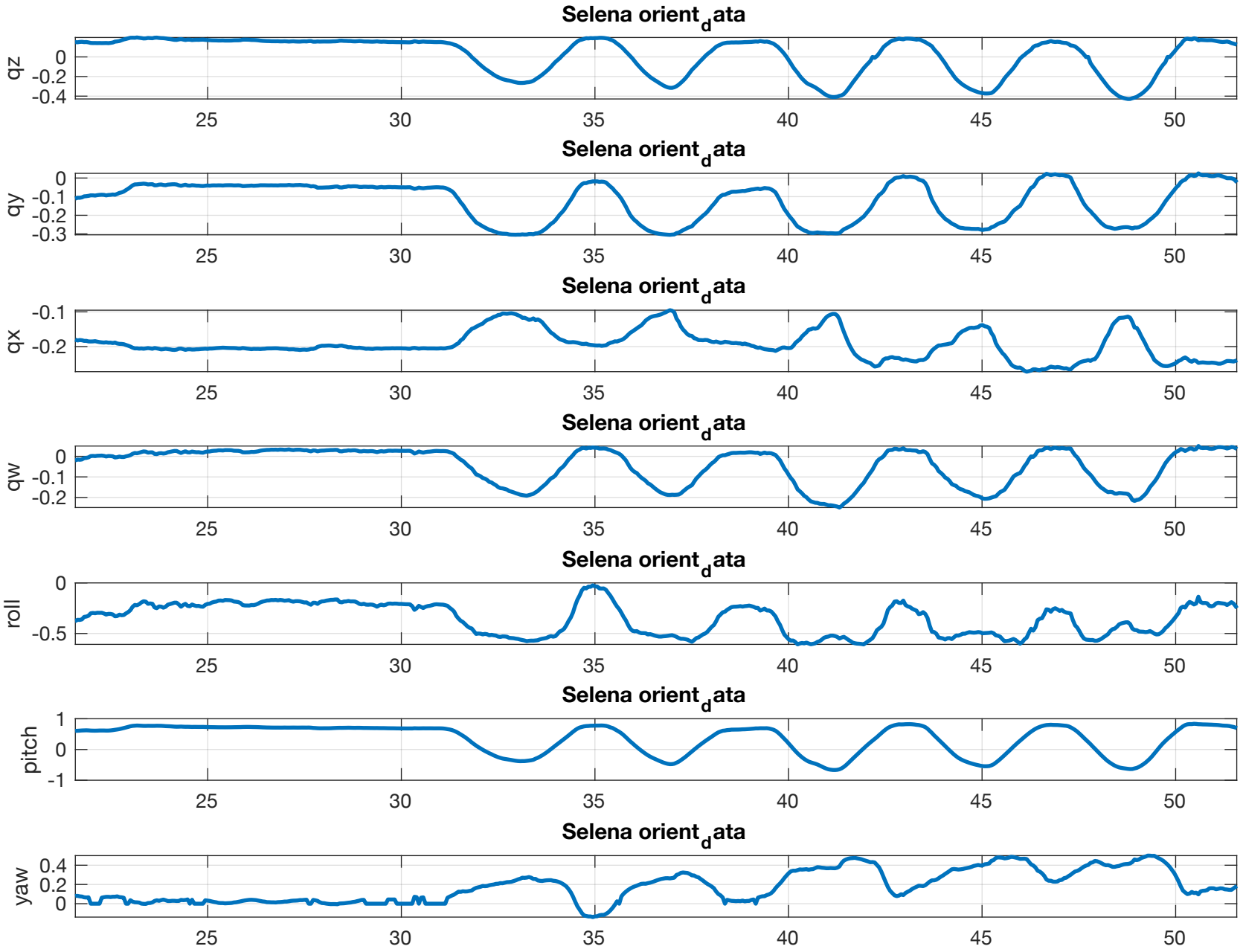

Selena Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Selena Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Selena Zero Cross gyro_data
X
1
0.5
0
-0.5
-1
25
30
35
40
45
50

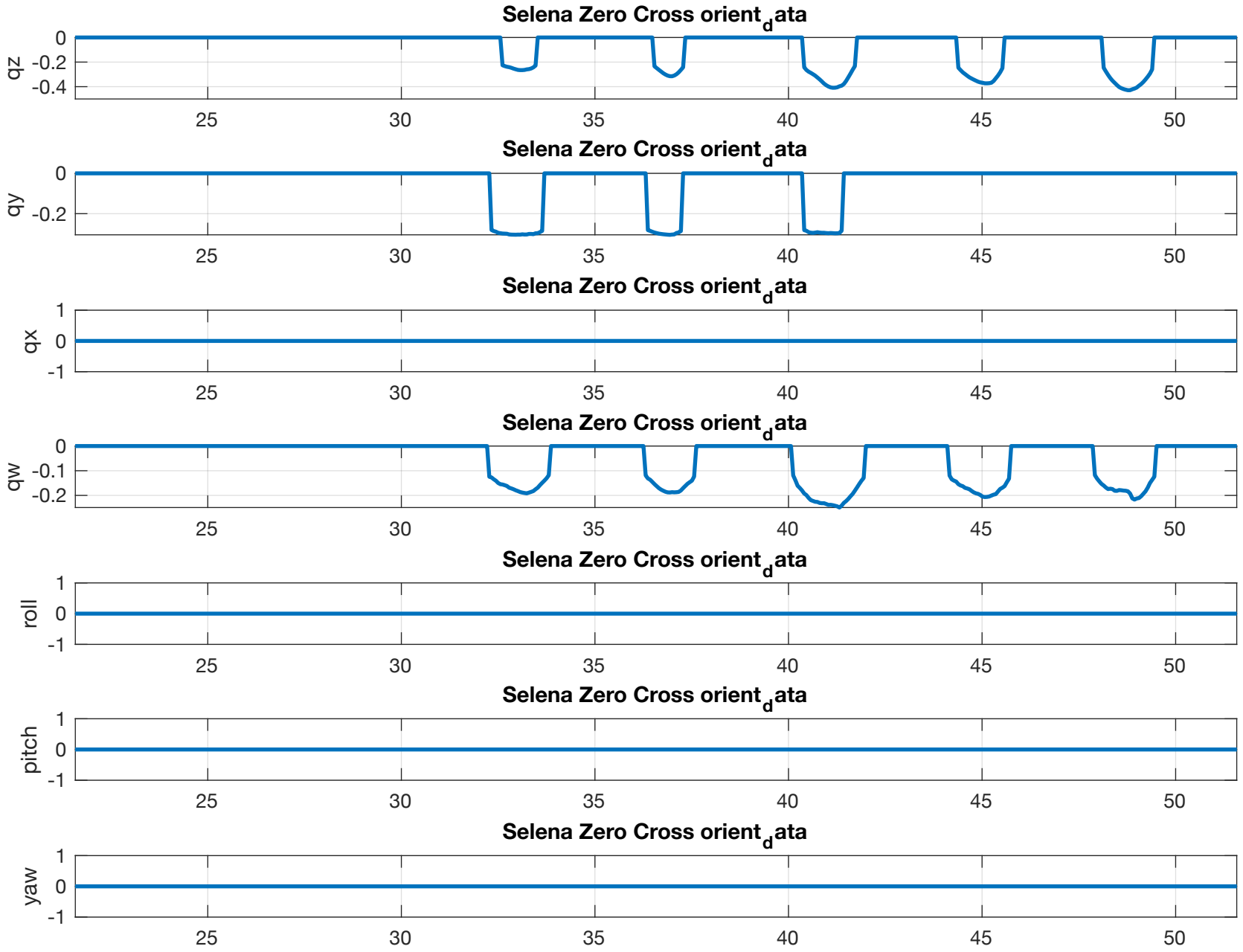
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-276.000	-186.000	-46.000	-9.000	"gyro_data"
'Y'	-298.000	-253.000	-72.000	-31.500	"gyro_data"
'X'	-260.000	-140.000	-39.000	-3.000	"gyro_data"


Selena grav_data
Z
2
0
-2
-4
-6
25
30
35
40
45
50
Selena grav_data
Y
5
0
-5
25
30
35
40
45
50
Selena grav_data
X
4
2
0
-2
25
30
35
40
45
50


Selena Zero Cross grav_data
Z
0
-2
-4
-6
25
30
35
40
45
50
Selena Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Selena Zero Cross grav_data
X
4
3
2
1
0
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-109.000	-82.000	-18.000	5.000	"grav_data"
'Y'	-59.000	0.000	3.000	10.000	"grav_data"
'X'	-94.000	-24.000	-4.000	3.500	"grav_data"


Selena orientdata
qz
0
-0.2
-0.4
25
30
35
40
45
50
Selena orientdata
qy
0
-0.1
-0.2
-0.3
25
30
35
40
45
50
Selena orientdata
qx
-0.1
-0.2
25
30
35
40
45
50
Selena orientdata
qw
0
-0.1
-0.2
25
30
35
40
45
50
Selena orientdata
roll
0
-0.5
25
30
35
40
45
50
Selena orientdata
pitch
1
0
-1
25
30
35
40
45
50
Selena orientdata
yaw
0.4
0.2
0
25
30
35
40
45
50


Selena Zero Cross orientdata
qz
0
-0.2
-0.4
25
30
35
40
45
50
Selena Zero Cross orientdata
qy
0
-0.2
25
30
35
40
45
50
Selena Zero Cross orientdata
qx
1
0
-1
25
30
35
40
45
50
Selena Zero Cross orientdata
qw
0
-0.1
-0.2
25
30
35
40
45
50
Selena Zero Cross orientdata
roll
1
0
-1
25
30
35
40
45
50
Selena Zero Cross orientdata
pitch
1
0
-1
25
30
35
40
45
50
Selena Zero Cross orientdata
yaw
1
0
-1
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-108.000	-104.000	-19.000	0.500	"orient_data"
'qy'	-118.000	-36.000	-3.000	8.000	"orient_data"
'qx'	-125.000	10.000	10.000	10.000	"orient_data"
'qw'	-132.000	-85.000	-19.000	5.000	"orient_data"
'roll'	-155.000	2.000	7.000	8.000	"orient_data"
'pitch'	-62.000	-62.000	-6.000	8.500	"orient_data"
'yaw'	-127.000	-124.000	-26.000	9.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	54.500
'bar_data'	"Relative Altitude"	'double_findpeaks'	0.000
'gyro_data'	"X"	'zero_cross'	3.000
'grav_data'	"Y"	'findpeaks_above_zero'	0.000
'orient_data'	"qz"	'zero_cross'	0.500