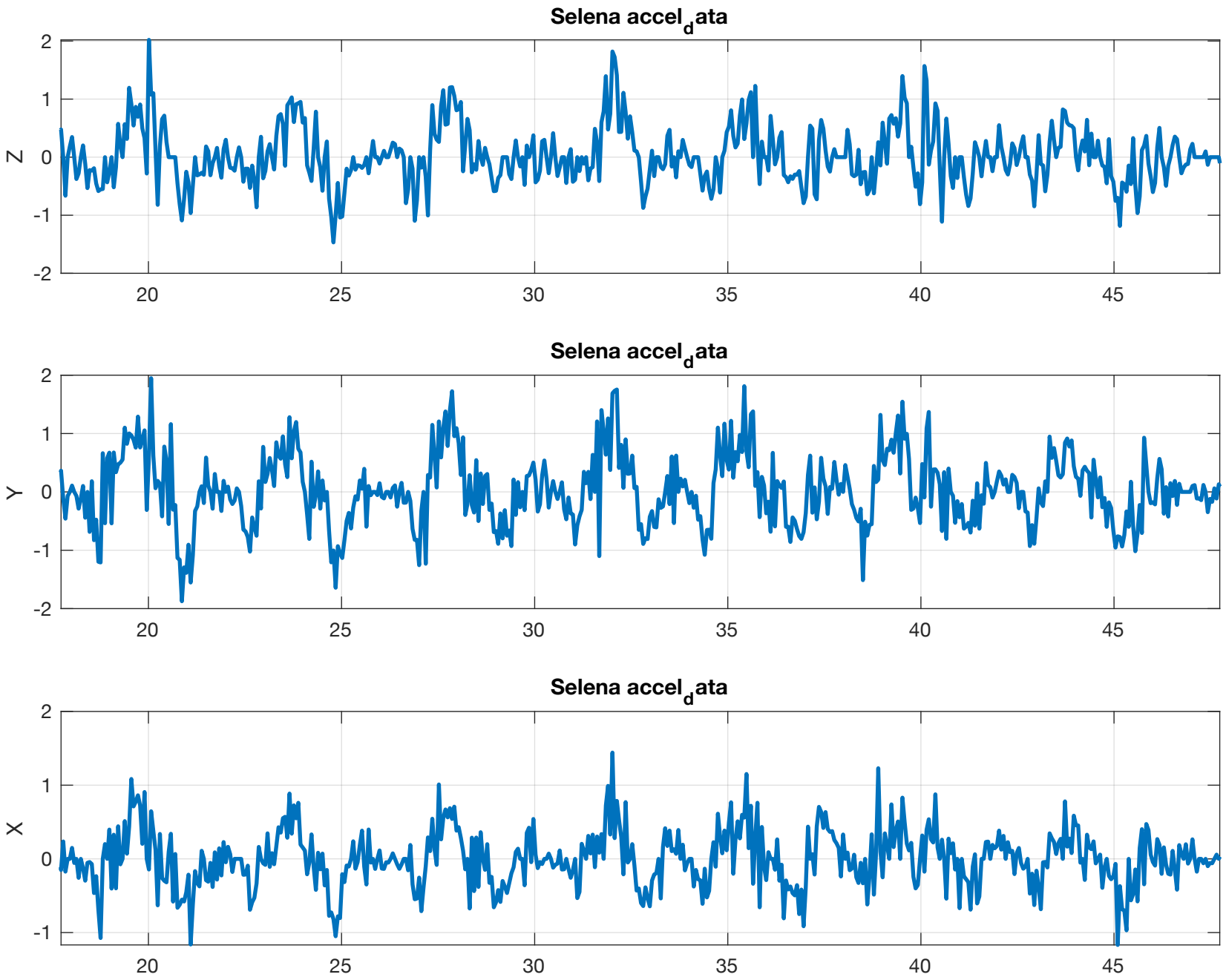
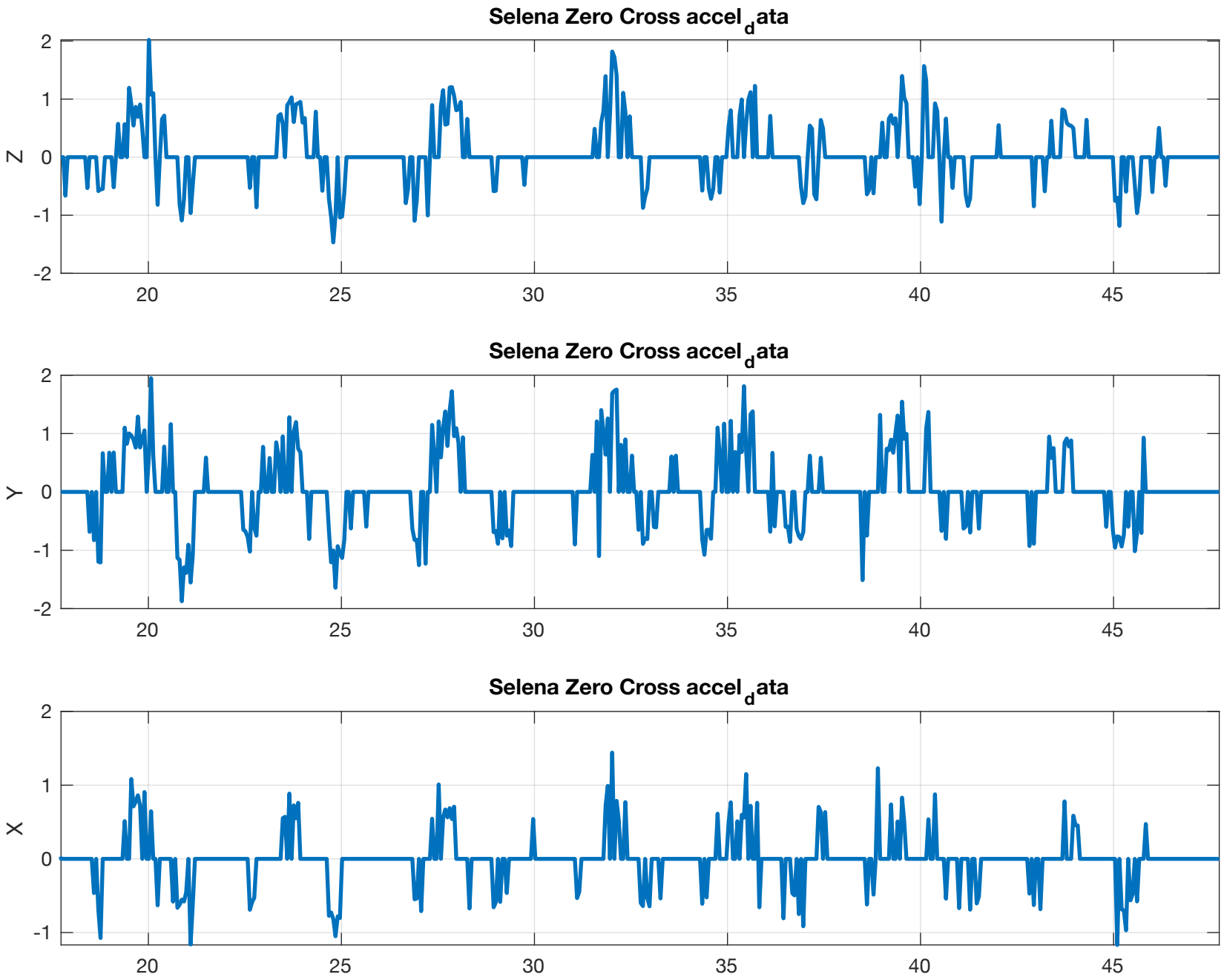
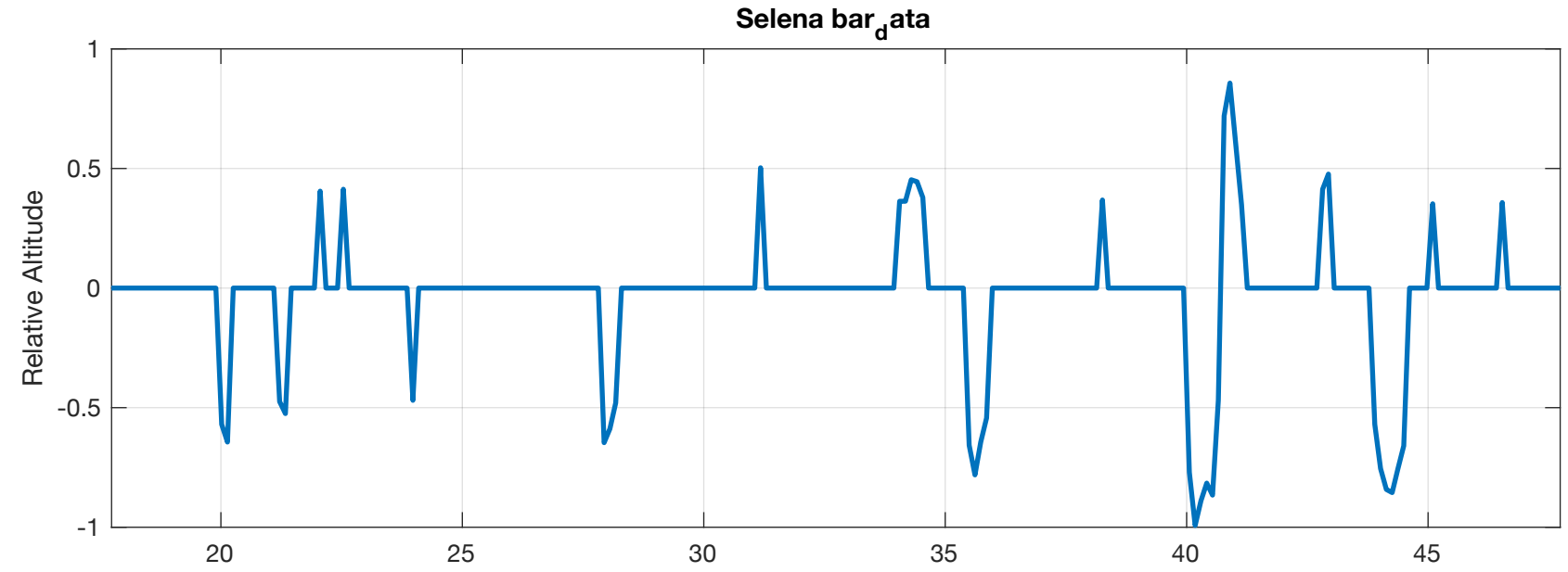
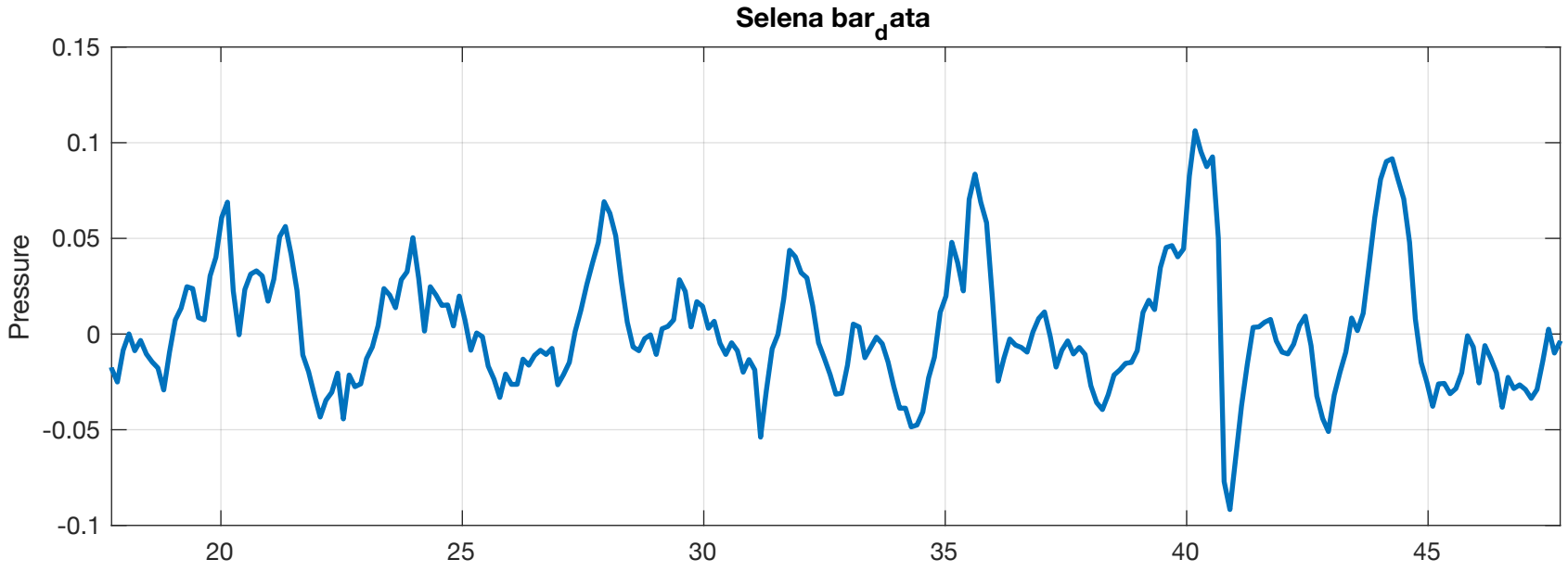
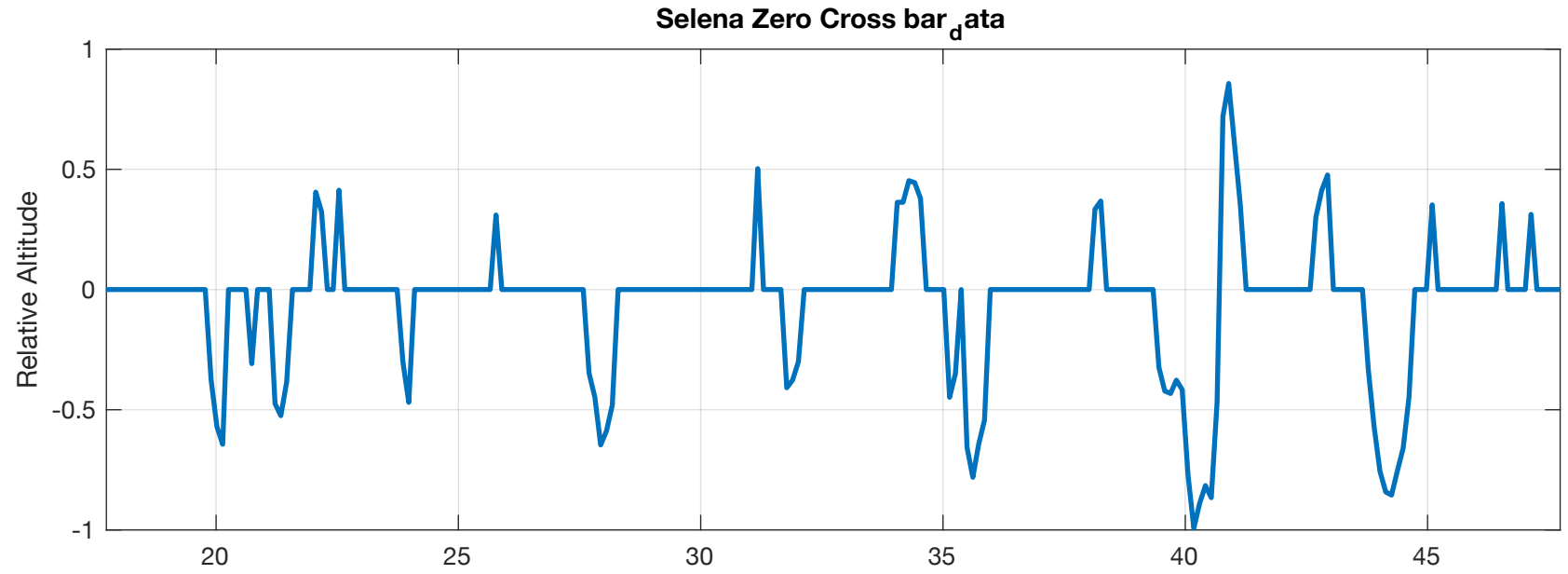

Selena accel_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena accel_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Selena accel_data
X
2
1
0
-1
20
25
30
35
40
45

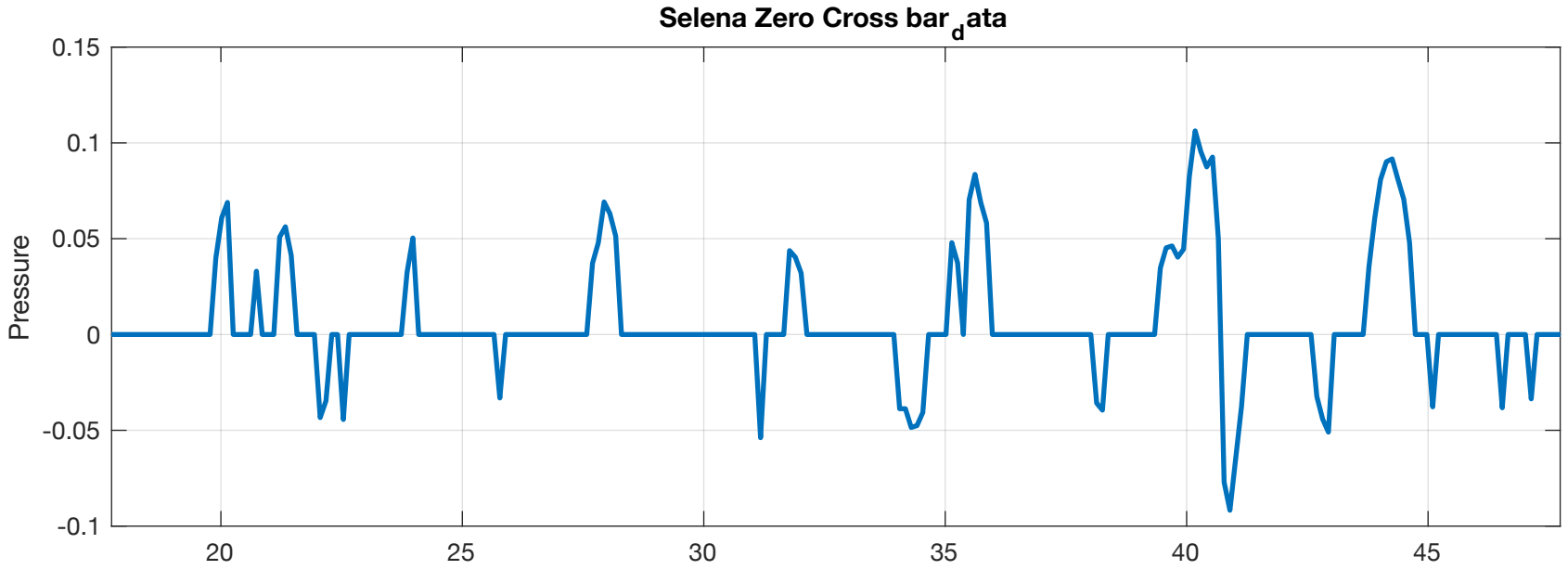

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross accel_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross accel_data
X
2
1
0
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-230.000	-165.000	-52.000	-57.250	"accel_data"
'Y'	-315.000	-225.000	-79.000	-66.500	"accel_data"
'X'	-309.000	-210.000	-68.000	-63.500	"accel_data"

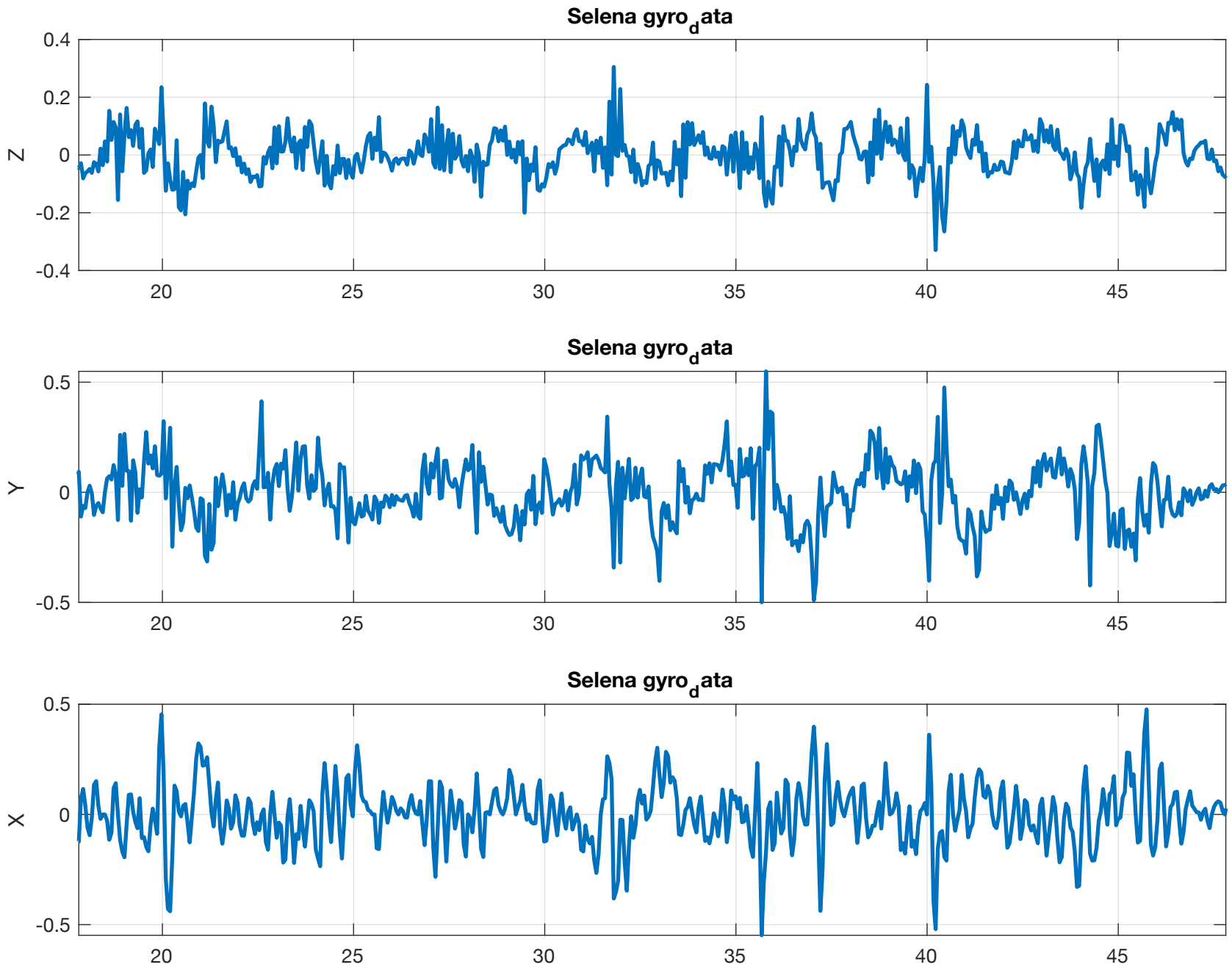

Selena bar_data
Relative Altitude
1
0.5
0
-0.5
-1
20
25
30
35
40
45

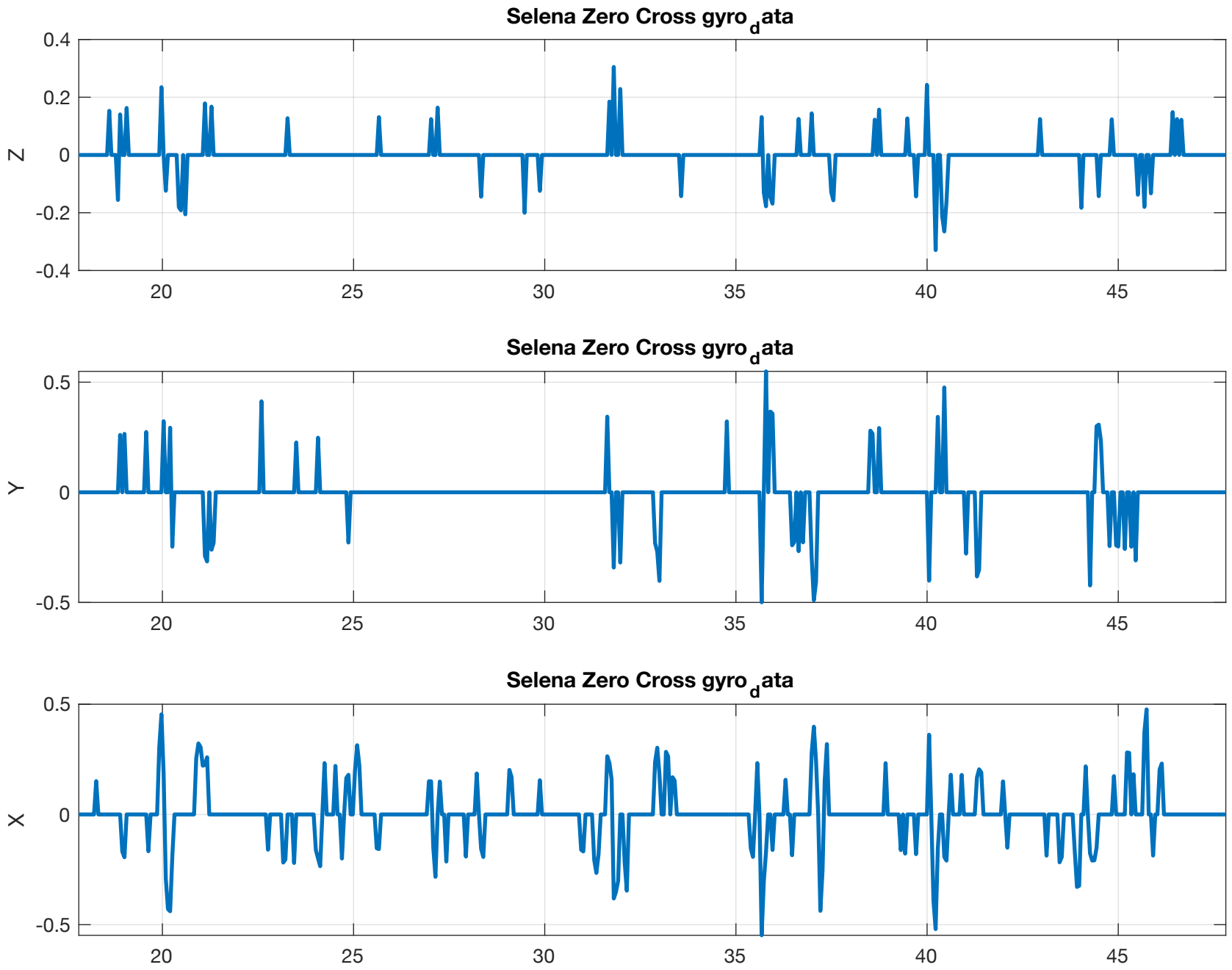

Selena bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
20
25
30
35
40
45


Selena Zero Cross bar_data
Relative Altitude
1
0.5
0
-0.5
-1
20
25
30
35
40
45

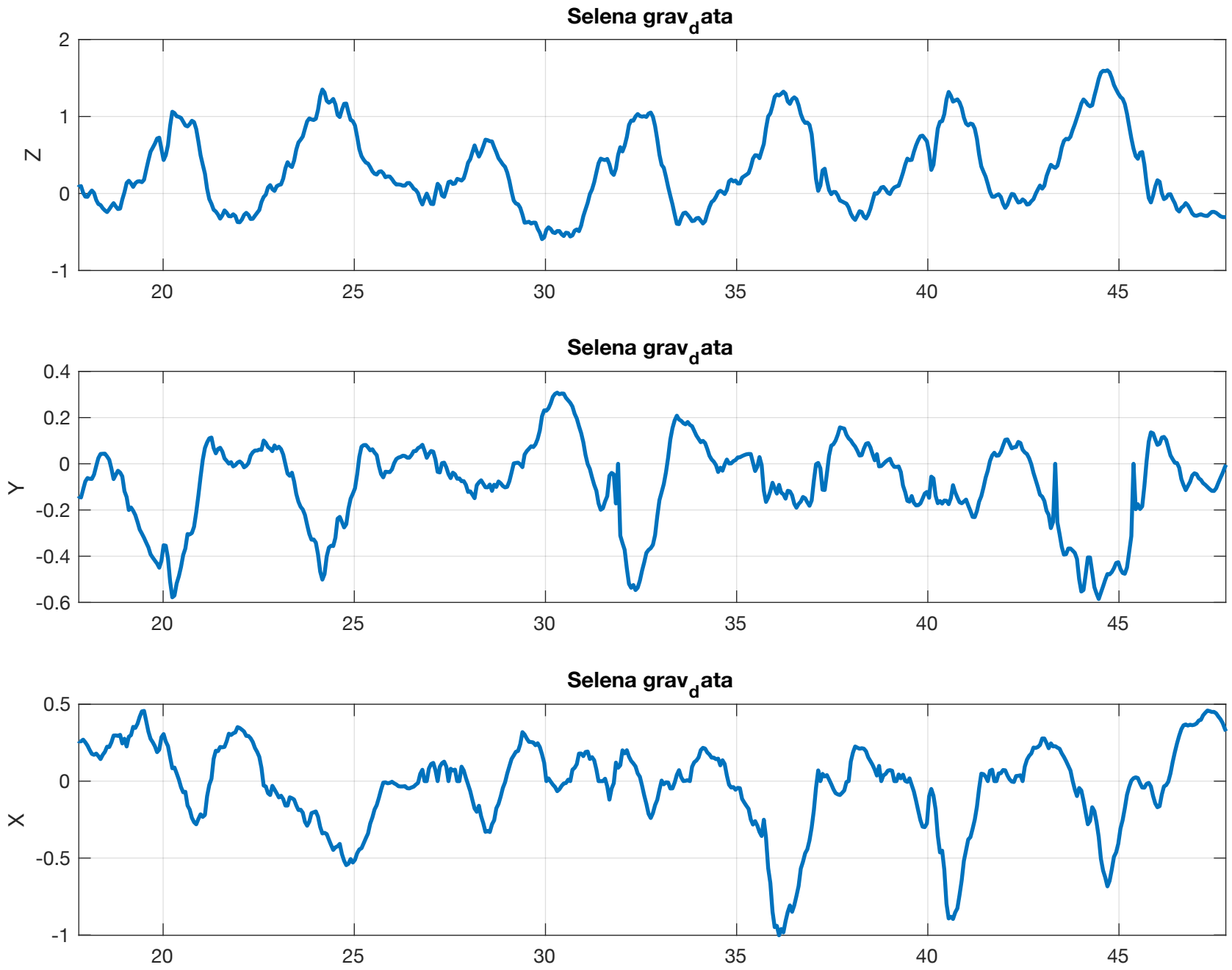

Selena Zero Cross bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
20
25
30
35
40
45

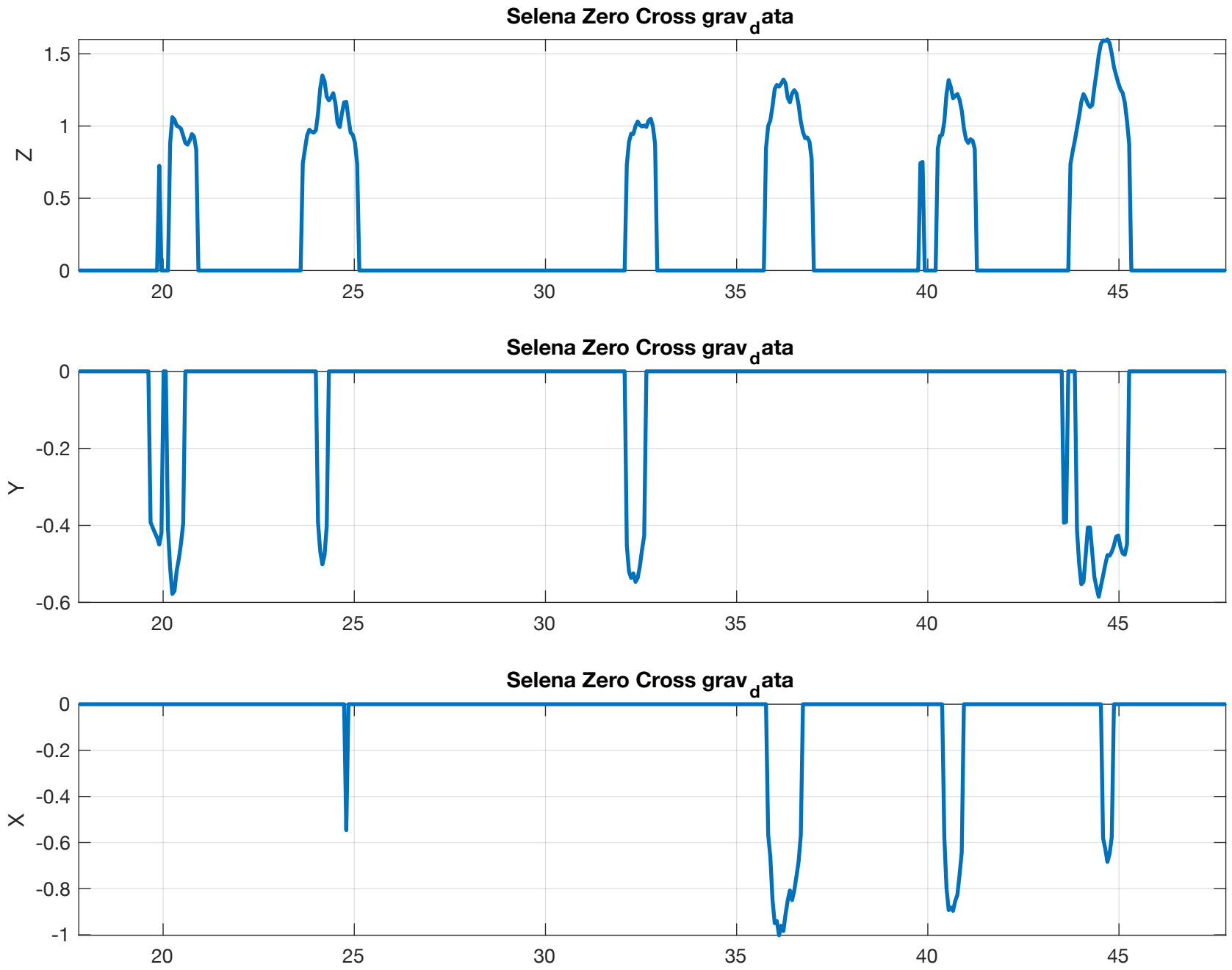
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-18.000	-11.000	2.000	-10.500	"bar_data"
"Pressure"	-82.000	-44.000	-13.000	-10.500	"bar_data"


Selena gyro_data
Z
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45
Selena gyro_data
Y
0.5
0
-0.5
20
25
30
35
40
45
Selena gyro_data
X
0.5
0
-0.5
20
25
30
35
40
45

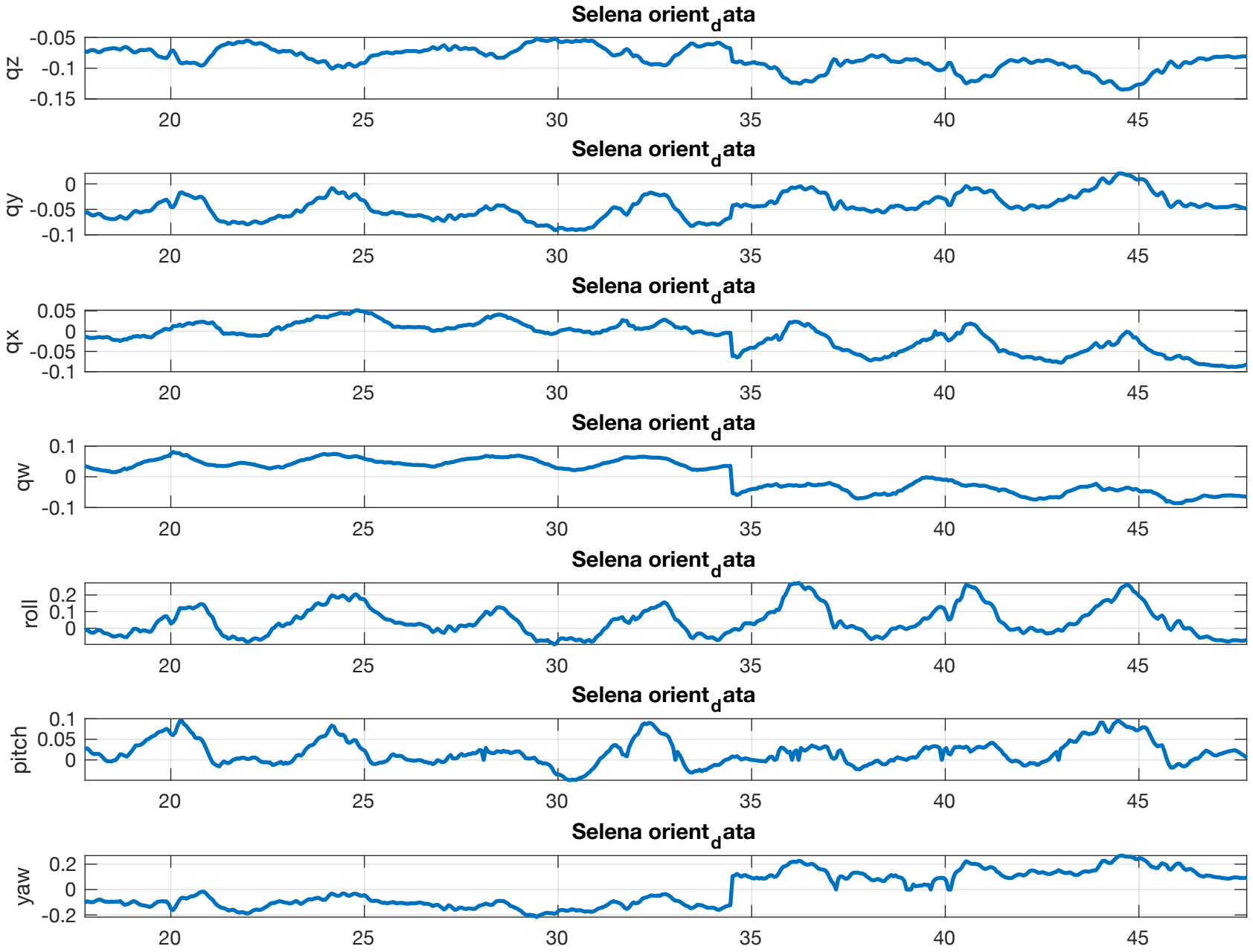

Selena Zero Cross gyro_data
Z
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45
Selena Zero Cross gyro_data
Y
0.5
0
-0.5
20
25
30
35
40
45
Selena Zero Cross gyro_data
X
0.5
0
-0.5
20
25
30
35
40
45

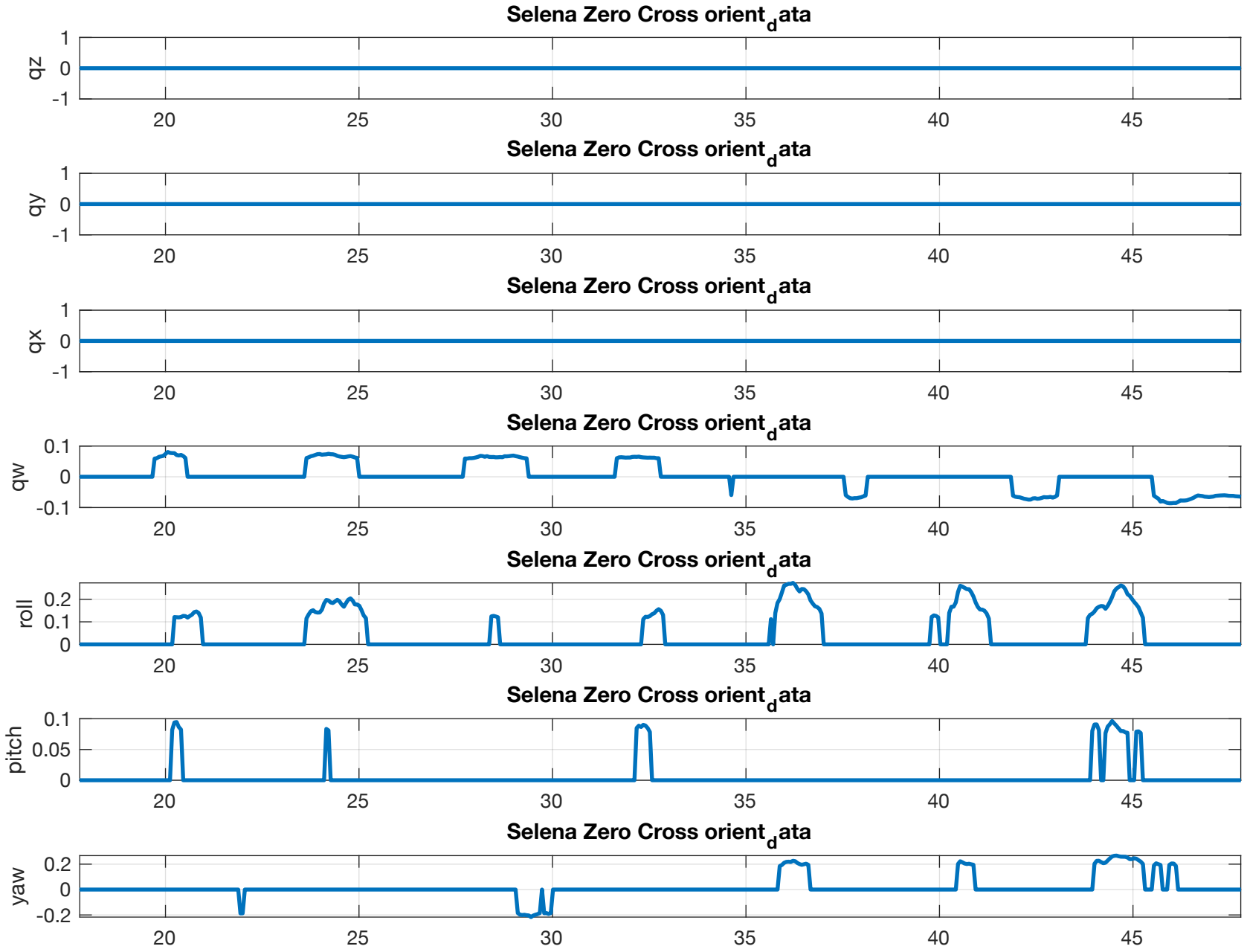
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-317.000	-235.000	-77.000	-31.000	"gyro_data"
'Y'	-278.000	-200.000	-65.000	-29.250	"gyro_data"
'X'	-203.000	-171.000	-54.000	-51.000	"gyro_data"


Selena grav_data
Z
2
1
0
-1
20
25
30
35
40
45
Selena grav_data
Y
0.4
0.2
0
-0.2
-0.4
-0.6
20
25
30
35
40
45
Selena grav_data
X
0.5
0
-0.5
-1
20
25
30
35
40
45


Selena Zero Cross grav_data
Z
1.5
1
0.5
0
20
25
30
35
40
45
Selena Zero Cross grav_data
Y
0
-0.2
-0.4
-0.6
20
25
30
35
40
45
Selena Zero Cross grav_data
X
0
-0.2
-0.4
-0.6
-0.8
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-132.000	-73.000	-8.000	0.750	"grav_data"
'Y'	-142.000	-57.000	-11.000	5.750	"grav_data"
'X'	-141.000	-103.000	-24.000	5.750	"grav_data"


Selena orient_data
qz
-0.05
-0.1
-0.15
20
25
30
35
40
45
Selena orient_data
qy
0
-0.05
-0.1
20
25
30
35
40
45
Selena orient_data
qx
0.05
0
-0.05
-0.1
20
25
30
35
40
45
Selena orient_data
qw
0.1
0
-0.1
20
25
30
35
40
45
Selena orient_data
roll
0.2
0.1
0
20
25
30
35
40
45
Selena orient_data
pitch
0.1
0.05
0
20
25
30
35
40
45
Selena orient_data
yaw
0.2
0
-0.2
20
25
30
35
40
45


Selena Zero Cross orientdata
qz
1
0
-1
20
25
30
35
40
45
Selena Zero Cross orientdata
qy
1
0
-1
20
25
30
35
40
45
Selena Zero Cross orientdata
qx
1
0
-1
20
25
30
35
40
45
Selena Zero Cross orientdata
qw
0.1
0
-0.1
20
25
30
35
40
45
Selena Zero Cross orientdata
roll
0.2
0.1
0
20
25
30
35
40
45
Selena Zero Cross orientdata
pitch
0.1
0.05
0
20
25
30
35
40
45
Selena Zero Cross orientdata
yaw
0.2
0
-0.2
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-137.000	1.000	6.000	9.000	"orient_data"
'qy'	-135.000	2.000	6.000	9.000	"orient_data"
'qx'	-152.000	-65.000	-12.000	7.500	"orient_data"
'qw'	-126.000	-66.000	-6.000	1.750	"orient_data"
'roll'	-129.000	-59.000	-7.000	1.500	"orient_data"
'pitch'	-145.000	-97.000	-17.000	6.250	"orient_data"
'yaw'	-145.000	-54.000	-5.000	2.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'double_findpeaks'	52.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	2.000
'gyro_data'	"Y"	'zero_cross'	29.250
'grav_data'	"Z"	'zero_cross'	0.750
'orient_data'	"qz"	'findpeaks_above_zero'	1.000