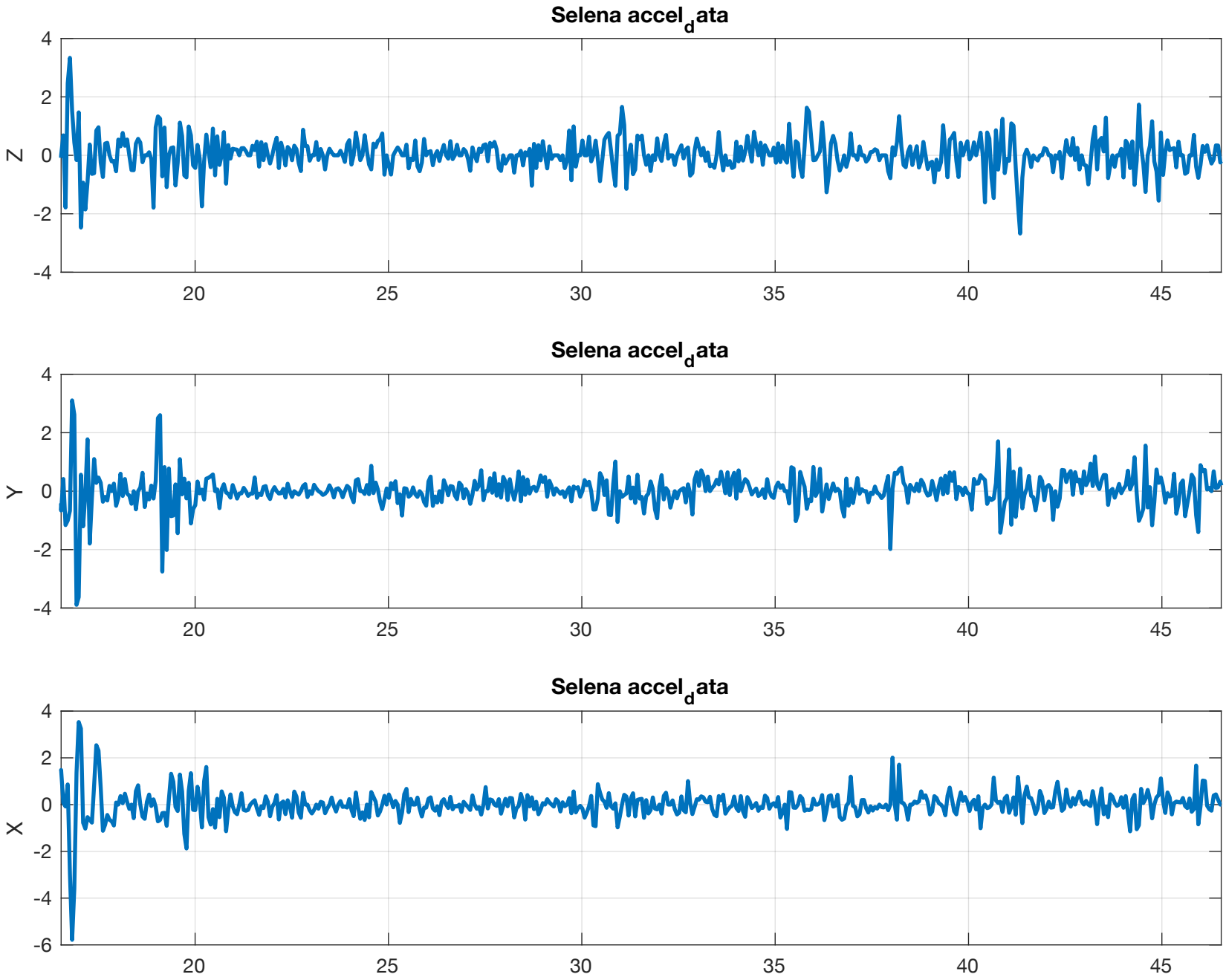
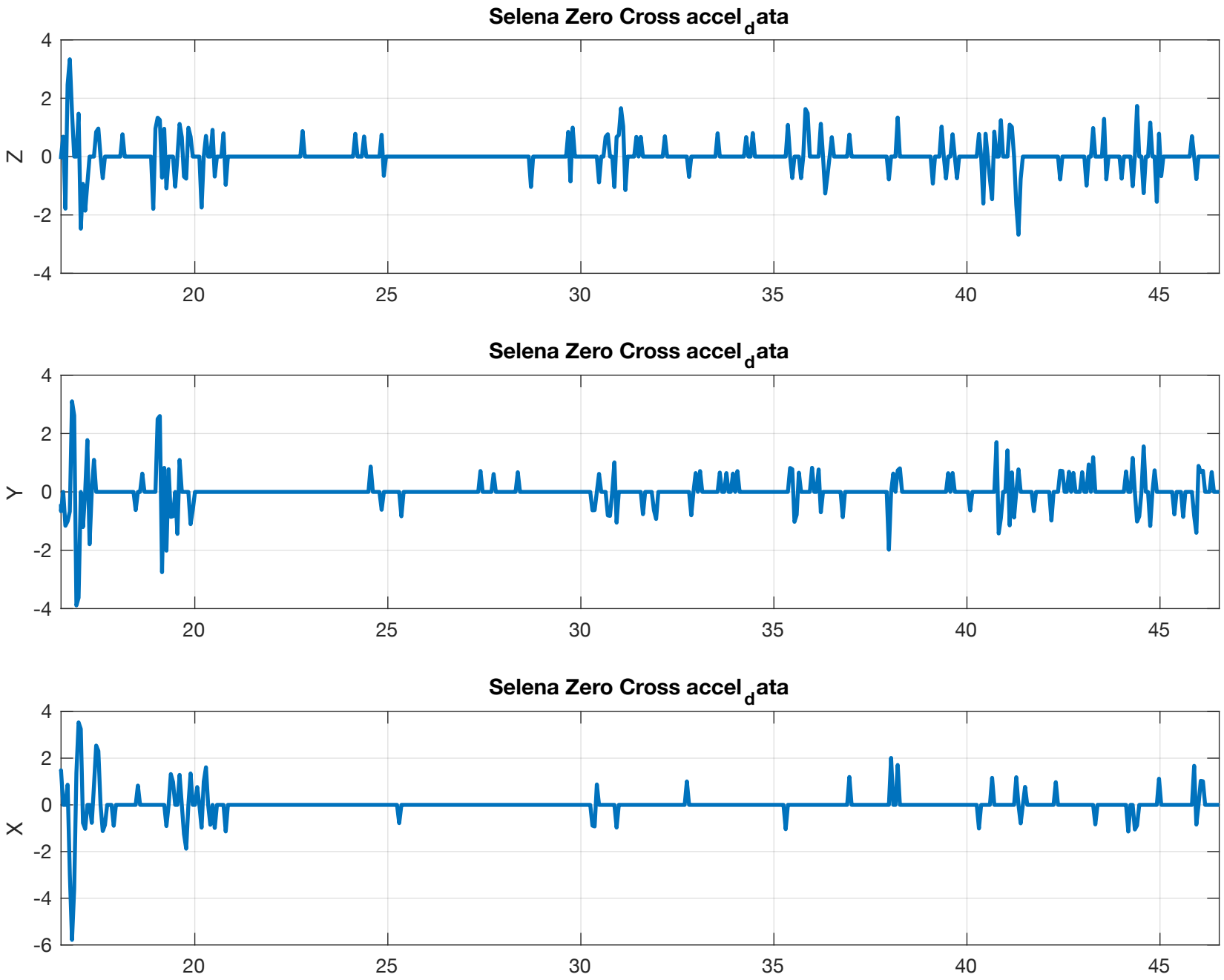
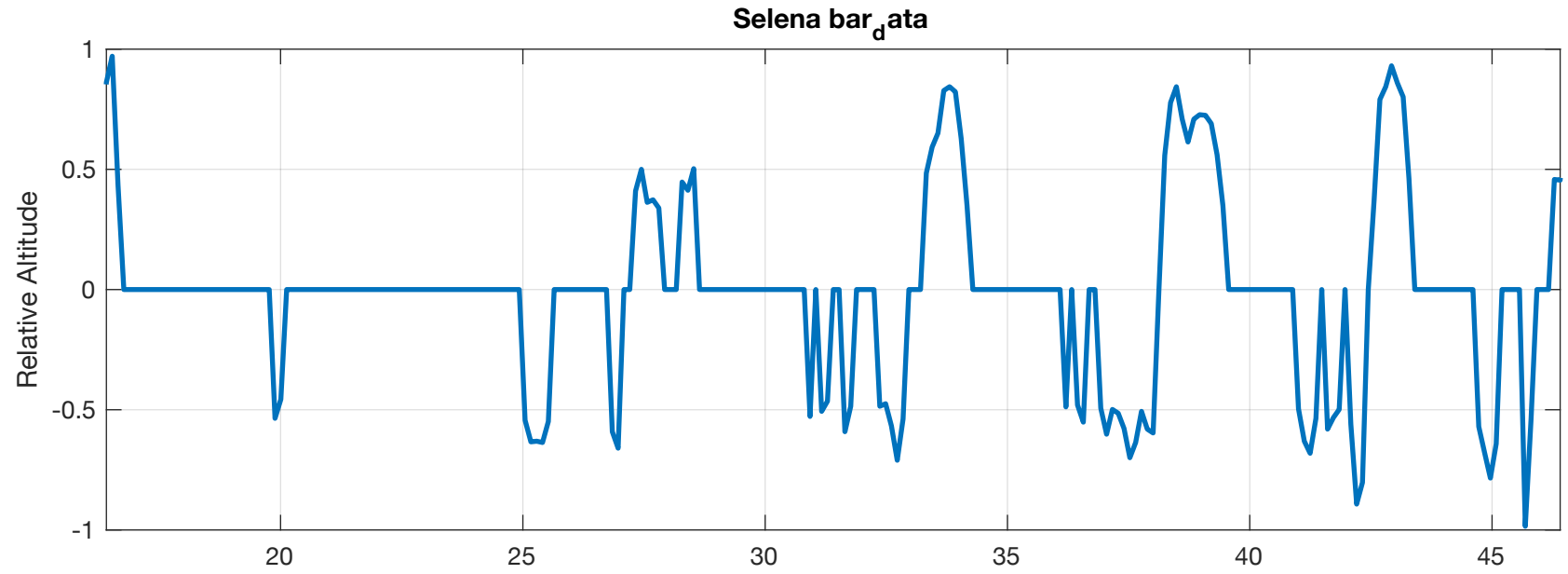
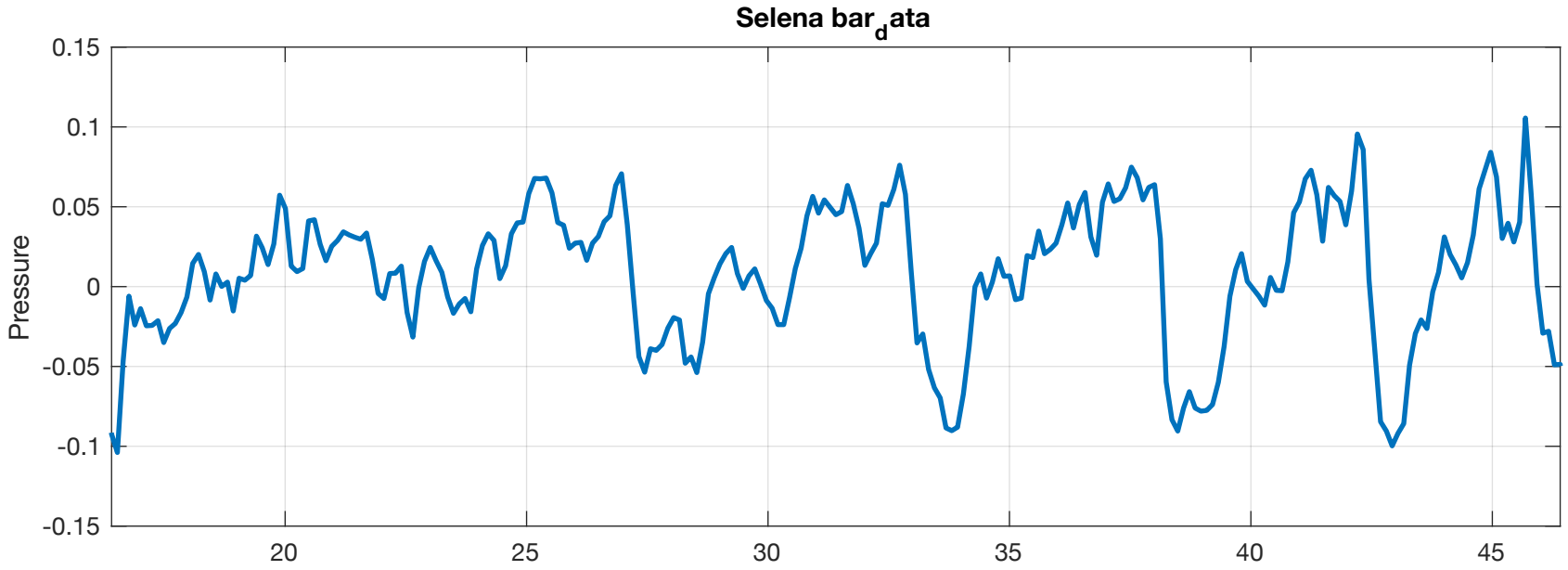
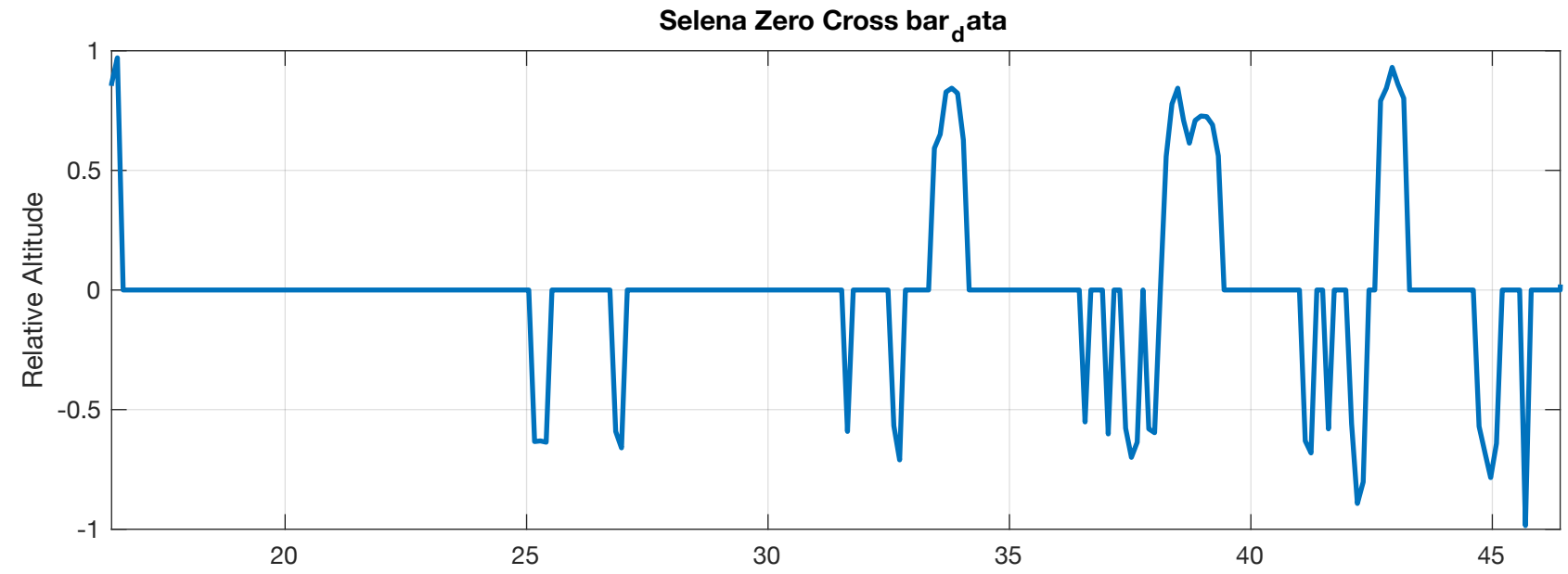

Selena accel_data
Z
4
2
0
-2
-4
20
25
30
35
40
45
Selena accel_data
Y
4
2
0
-2
-4
20
25
30
35
40
45
Selena accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

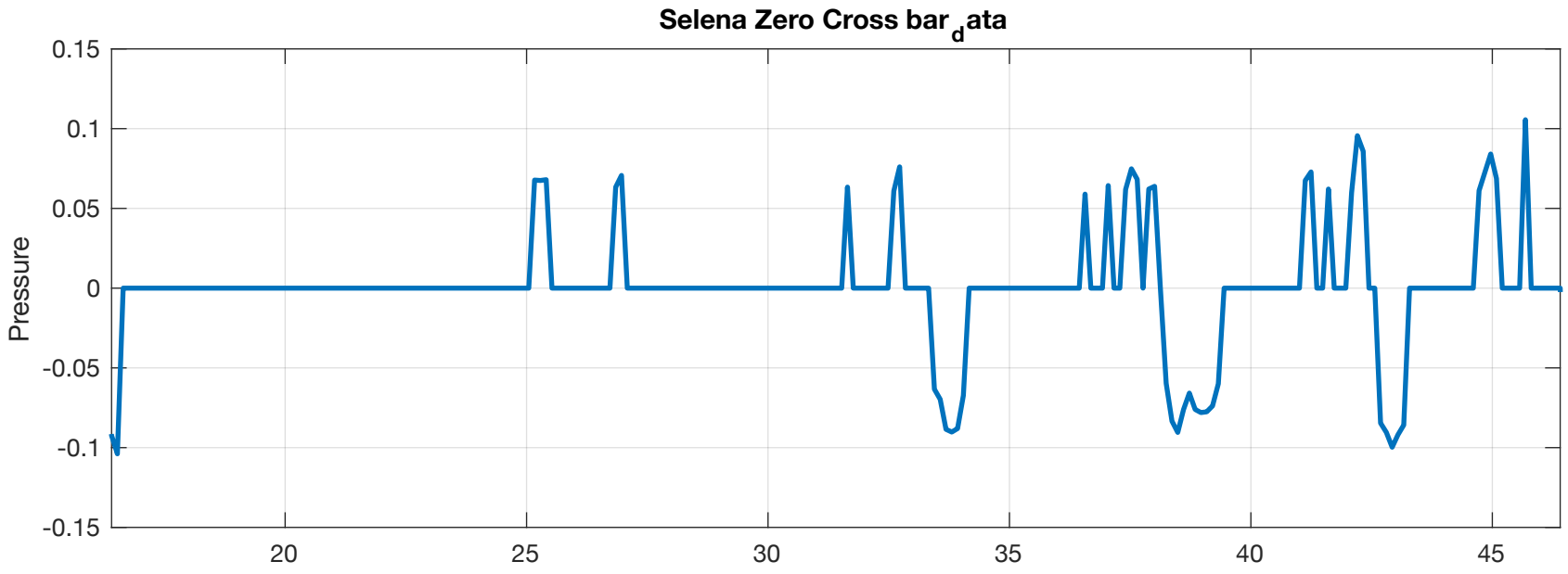

Selena Zero Cross accel_data
Z
4
2
0
-2
-4
20
25
30
35
40
45
Selena Zero Cross accel_data
Y
4
2
0
-2
-4
20
25
30
35
40
45
Selena Zero Cross accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-333.000	-271.000	-94.000	-99.500	"accel_data"
'Y'	-348.000	-307.000	-101.000	-96.000	"accel_data"
'X'	-318.000	-265.000	-100.000	-65.500	"accel_data"

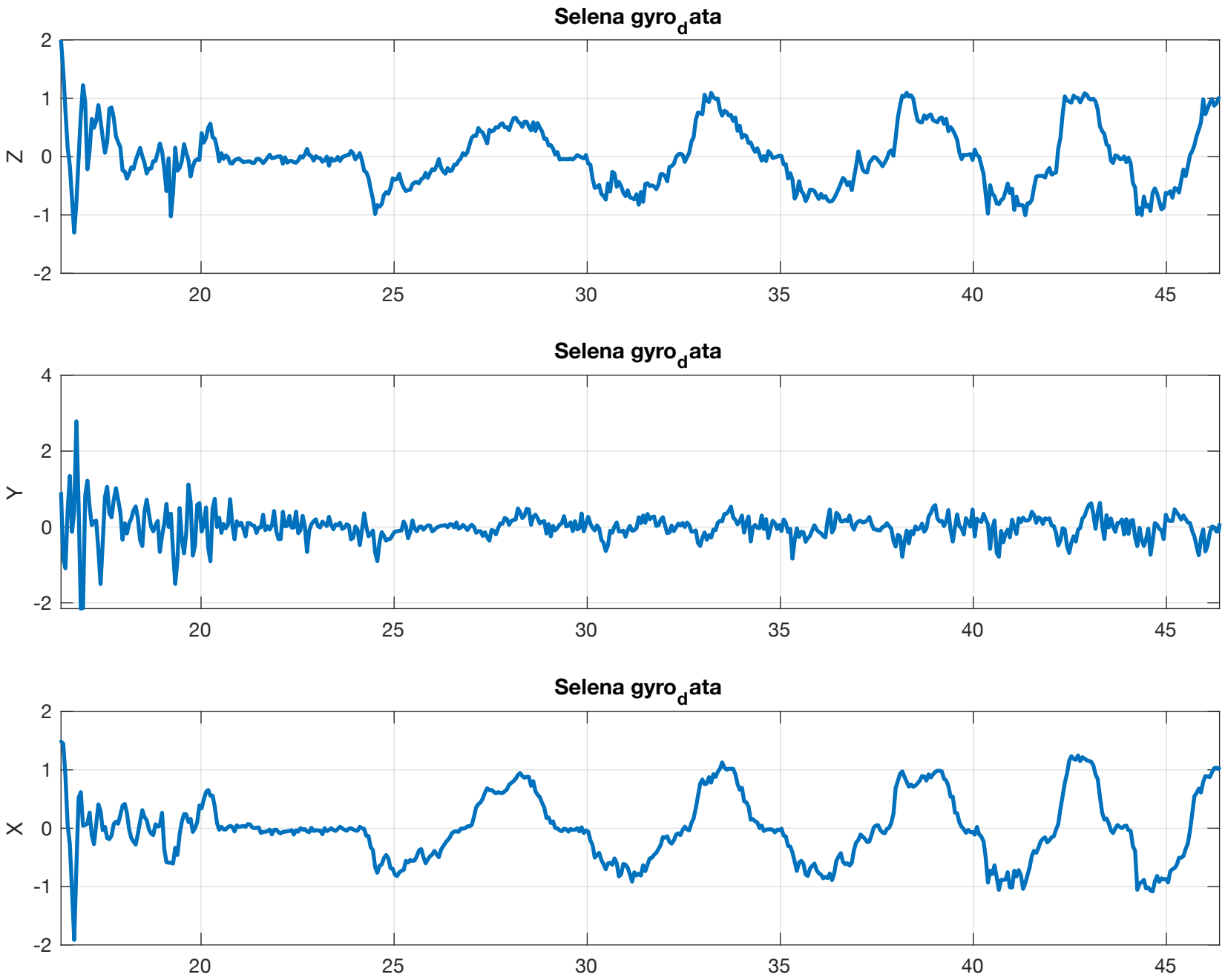

Selena bar_data
Relative Altitude
1
0.5
0
-0.5
-1
20
25
30
35
40
45

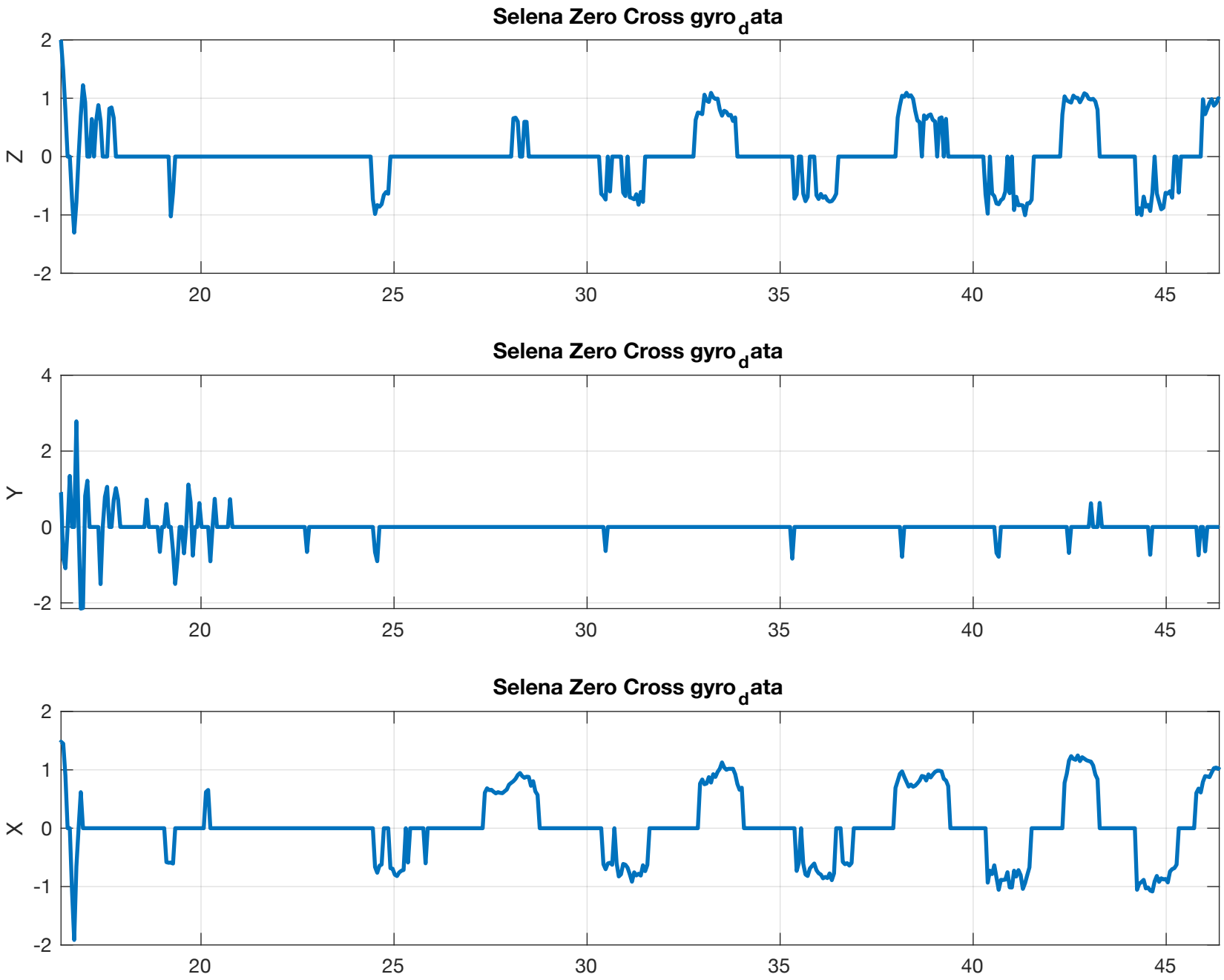

Selena bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
20
25
30
35
40
45


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

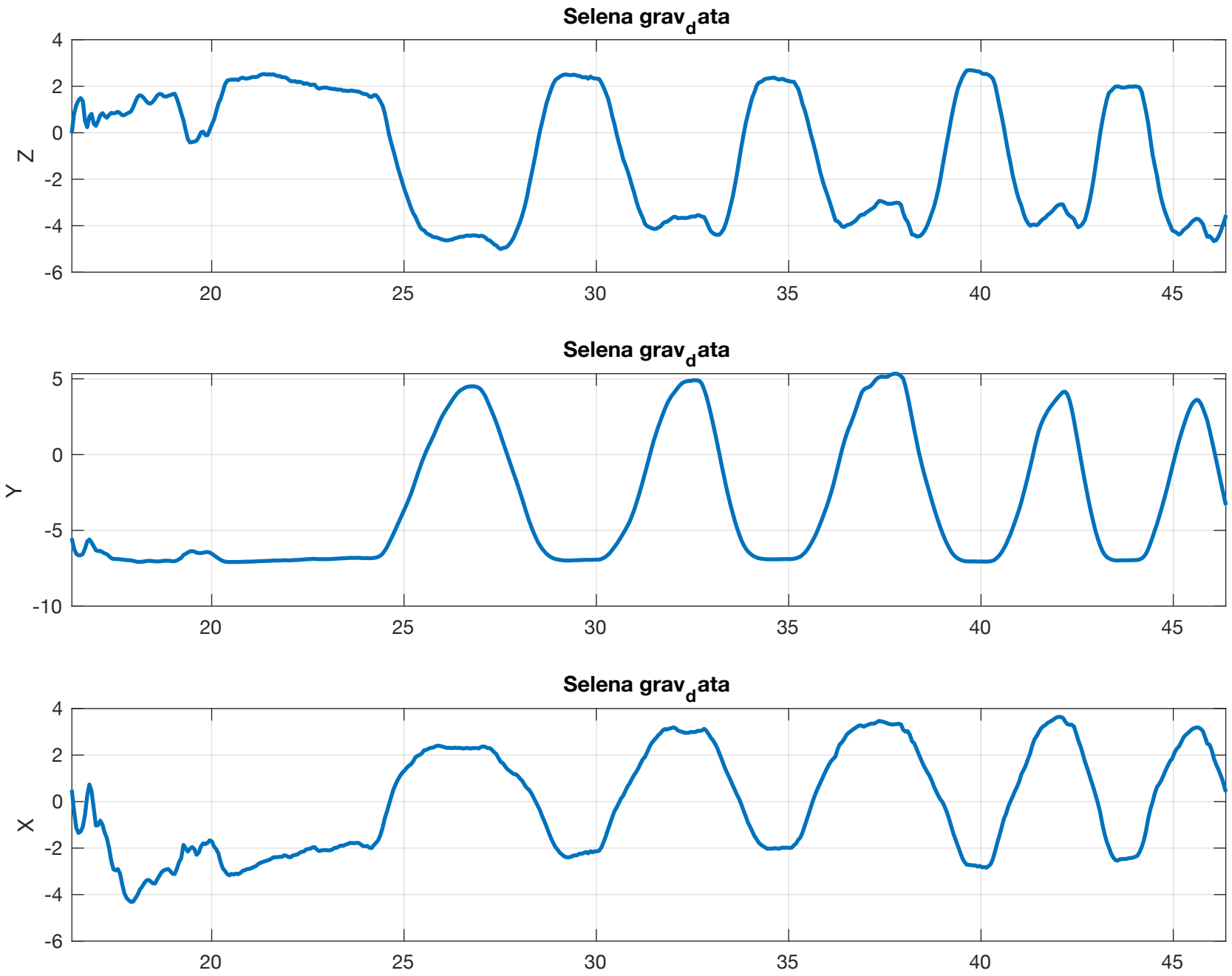

Selena Zero Cross bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
20
25
30
35
40
45

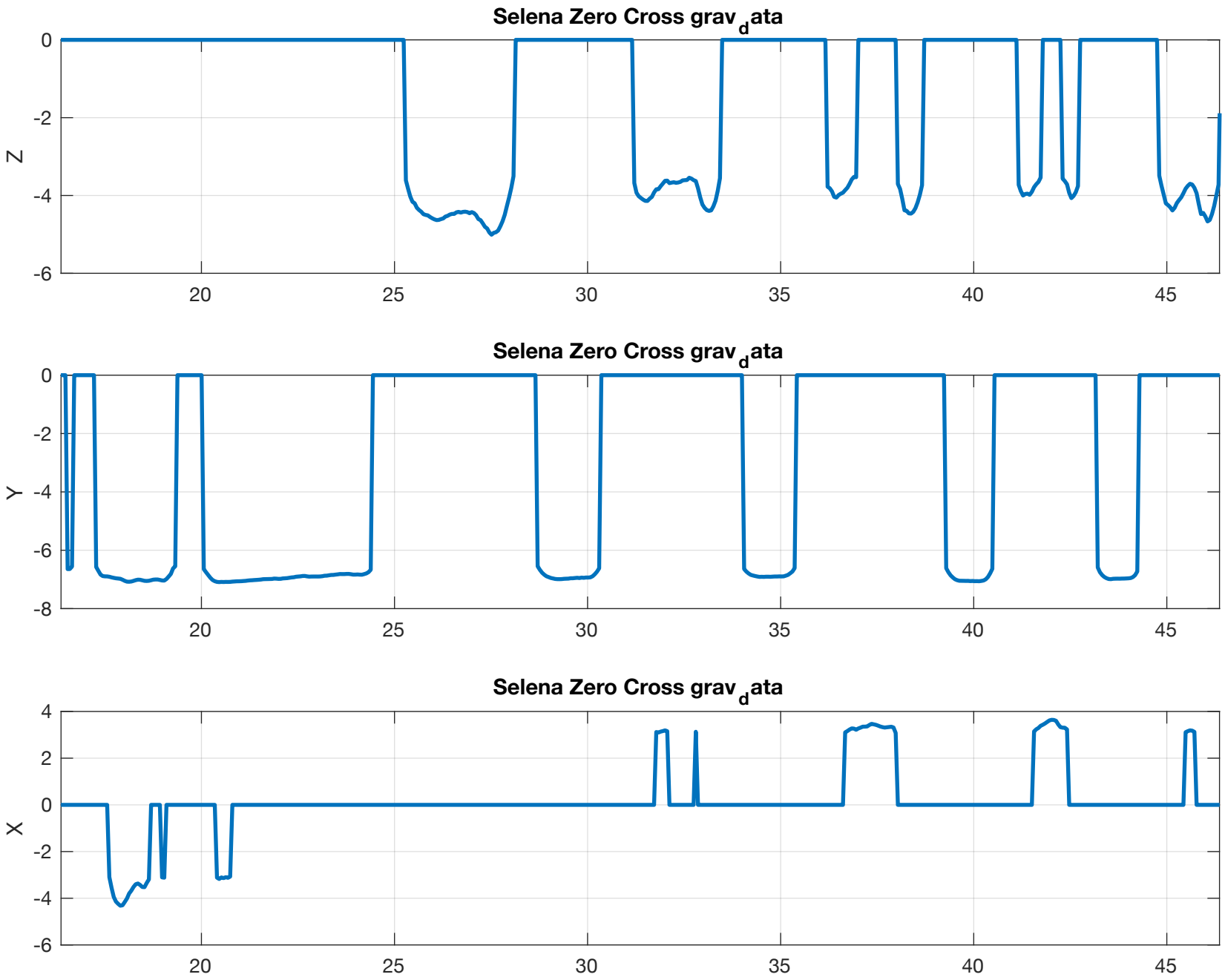
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-40.000	-21.000	-2.000	-12.500	"bar_data"
"Pressure"	-86.000	-64.000	-17.000	-12.500	"bar_data"


Selena gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena gyro_data
Y
4
2
0
-2
20
25
30
35
40
45
Selena gyro_data
X
2
1
0
-1
-2
20
25
30
35
40
45

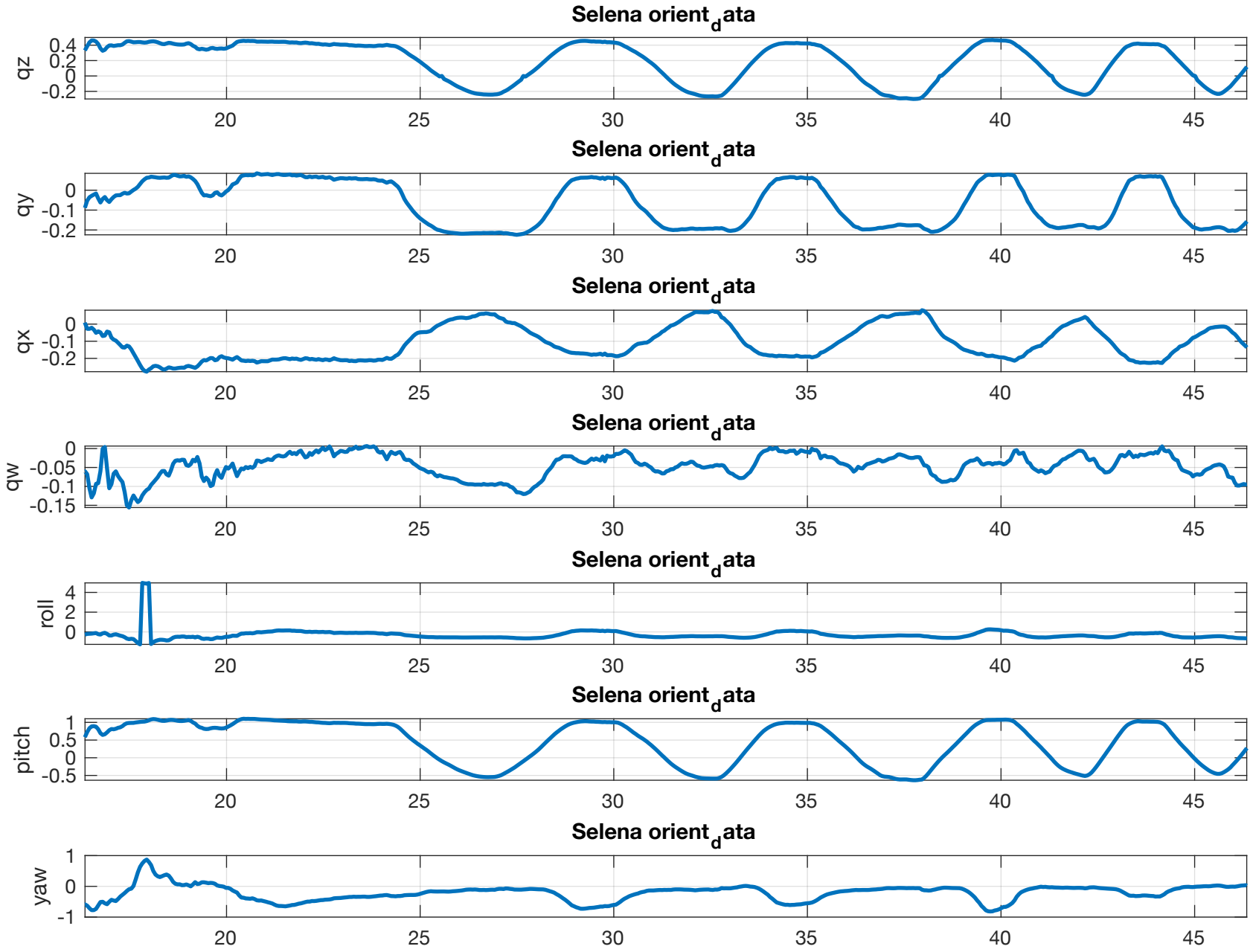

Selena Zero Cross gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross gyro_data
Y
4
2
0
-2
20
25
30
35
40
45
Selena Zero Cross gyro_data
X
2
1
0
-1
-2
20
25
30
35
40
45

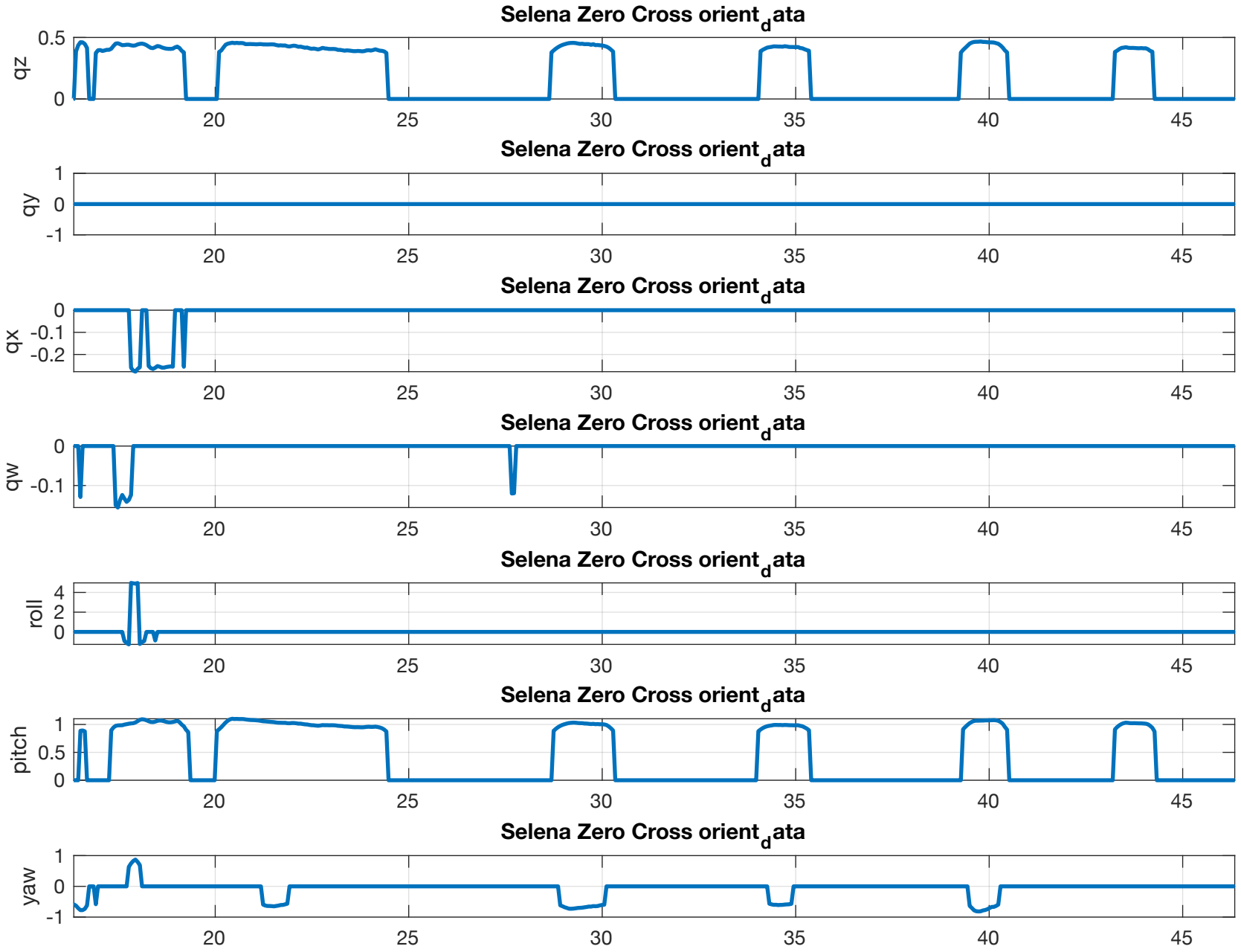
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-254.000	-148.000	-34.000	-26.500	"gyro_data"
'Y'	-293.000	-246.000	-71.000	-39.000	"gyro_data"
'X'	-244.000	-134.000	-40.000	-19.000	"gyro_data"


Selena grav_data
Z
4
2
0
-2
-4
-6
20
25
30
35
40
45
Selena grav_data
Y
5
0
-5
-10
20
25
30
35
40
45
Selena grav_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45


Selena Zero Cross grav_data
Z
0
-2
-4
-6
20
25
30
35
40
45
Selena Zero Cross grav_data
Y
0
-2
-4
-6
-8
20
25
30
35
40
45
Selena Zero Cross grav_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-103.000	-78.000	-15.000	2.000	"grav_data"
'Y'	-60.000	-26.000	-4.000	2.750	"grav_data"
'X'	-77.000	-29.000	-5.000	2.500	"grav_data"


Selena orientdata
qz
0.4
0.2
0
-0.2
20
25
30
35
40
45
Selena orientdata
qy
0
-0.1
-0.2
20
25
30
35
40
45
Selena orientdata
qx
0
-0.1
-0.2
20
25
30
35
40
45
Selena orientdata
qw
0
-0.05
-0.1
-0.15
20
25
30
35
40
45
Selena orientdata
roll
4
2
0
20
25
30
35
40
45
Selena orientdata
pitch
1
0.5
0
-0.5
20
25
30
35
40
45
Selena orientdata
yaw
1
0
-1
20
25
30
35
40
45


Selena Zero Cross orientdata
qz
0.5
0
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
0
-0.1
-0.2
20
25
30
35
40
45
Selena Zero Cross orientdata
qw
0
-0.1
20
25
30
35
40
45
Selena Zero Cross orientdata
roll
4
2
0
20
25
30
35
40
45
Selena Zero Cross orientdata
pitch
1
0.5
0
20
25
30
35
40
45
Selena Zero Cross orientdata
yaw
1
0
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-82.000	-53.000	-4.000	2.250	"orient_data"
'qy'	-108.000	-73.000	-14.000	9.000	"orient_data"
'qx'	-103.000	-30.000	-2.000	5.000	"orient_data"
'qw'	-176.000	-25.000	-3.000	3.500	"orient_data"
'roll'	-126.000	-39.000	-4.000	6.500	"orient_data"
'pitch'	-54.000	-31.000	0.000	2.750	"orient_data"
'yaw'	-124.000	-50.000	-10.000	4.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	65.500
'bar_data'	"Relative Altitude"	'double_findpeaks'	2.000
'gyro_data'	"X"	'zero_cross'	19.000
'grav_data'	"Z"	'zero_cross'	2.000
'orient_data'	"pitch"	'double_findpeaks'	0.000