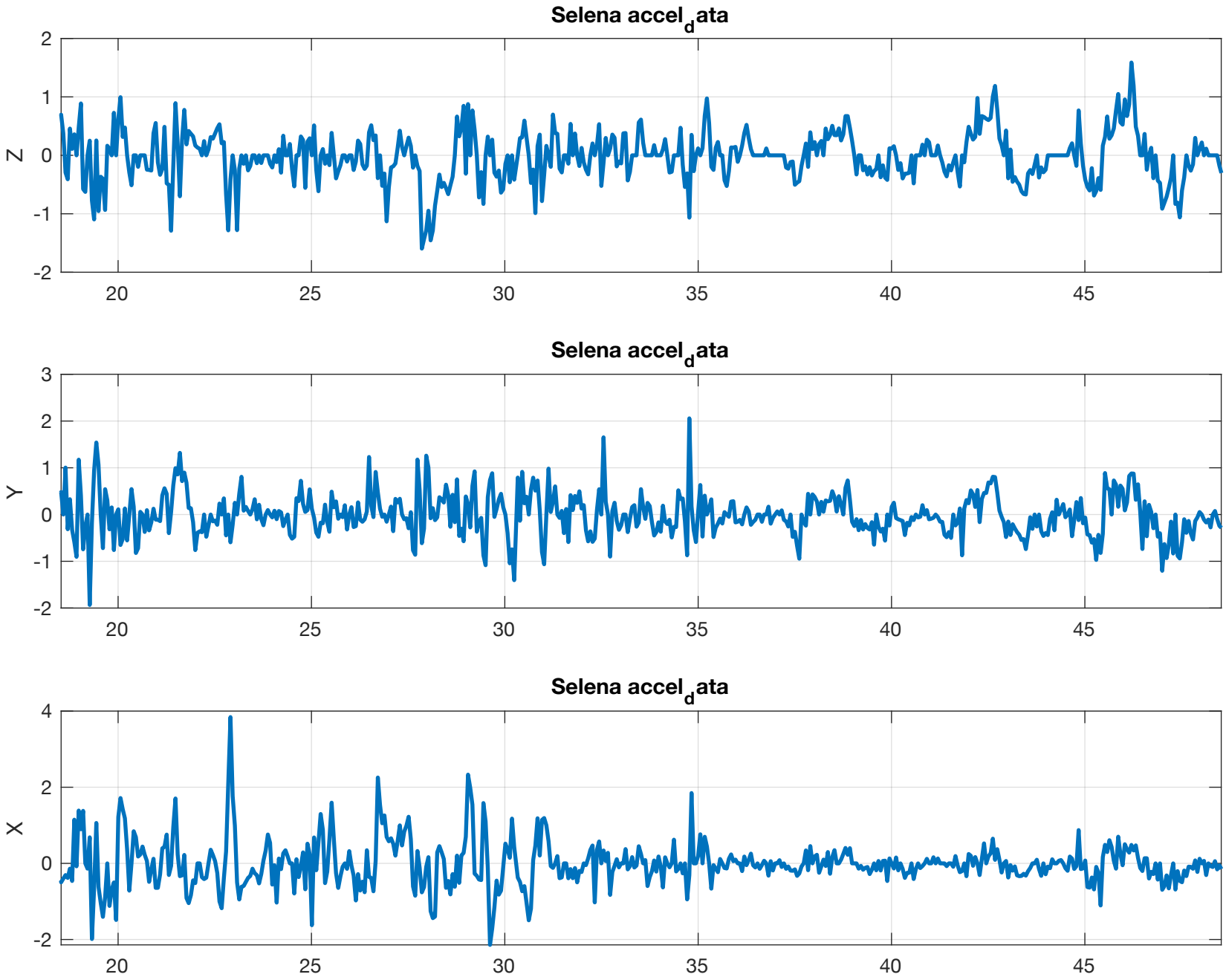
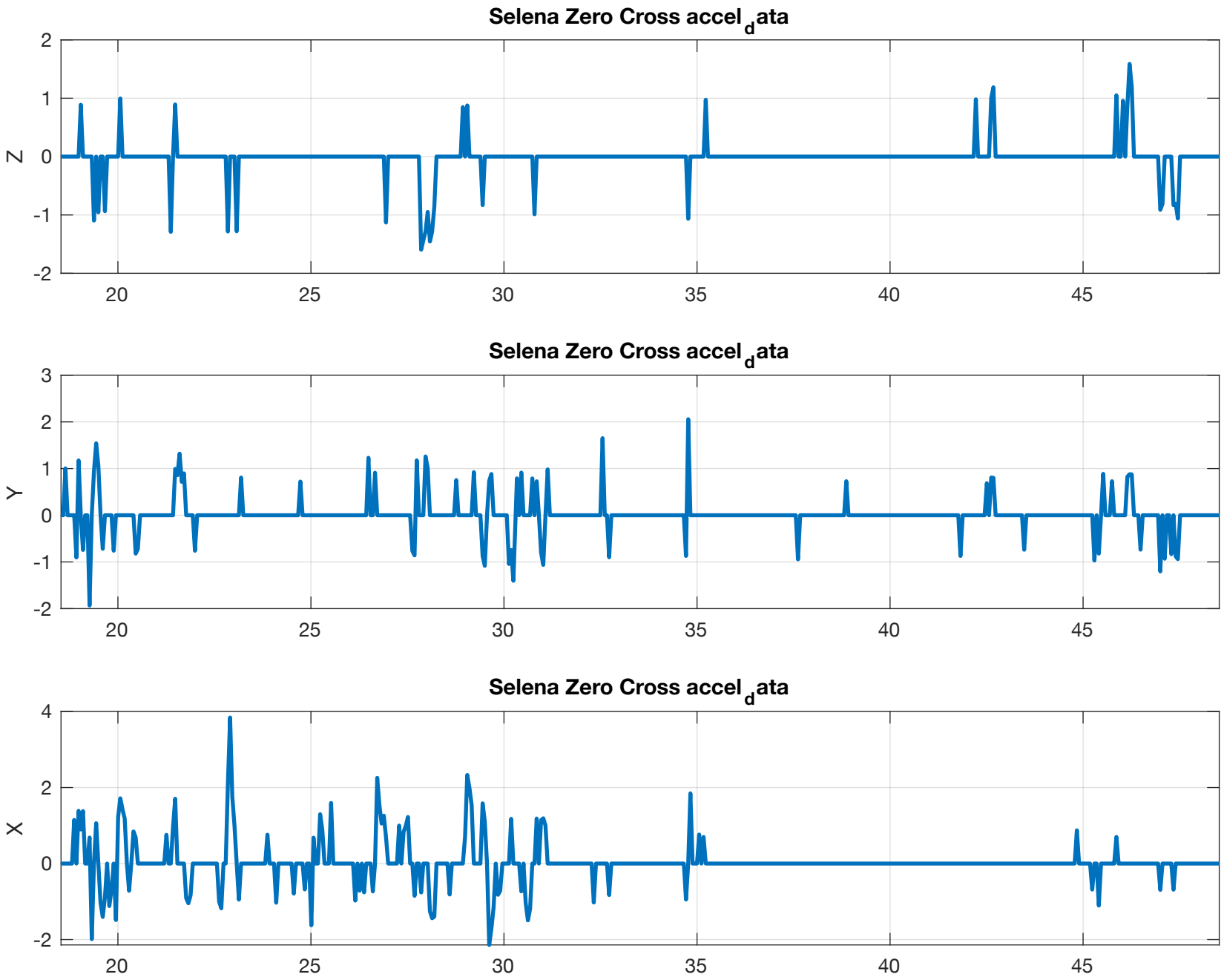
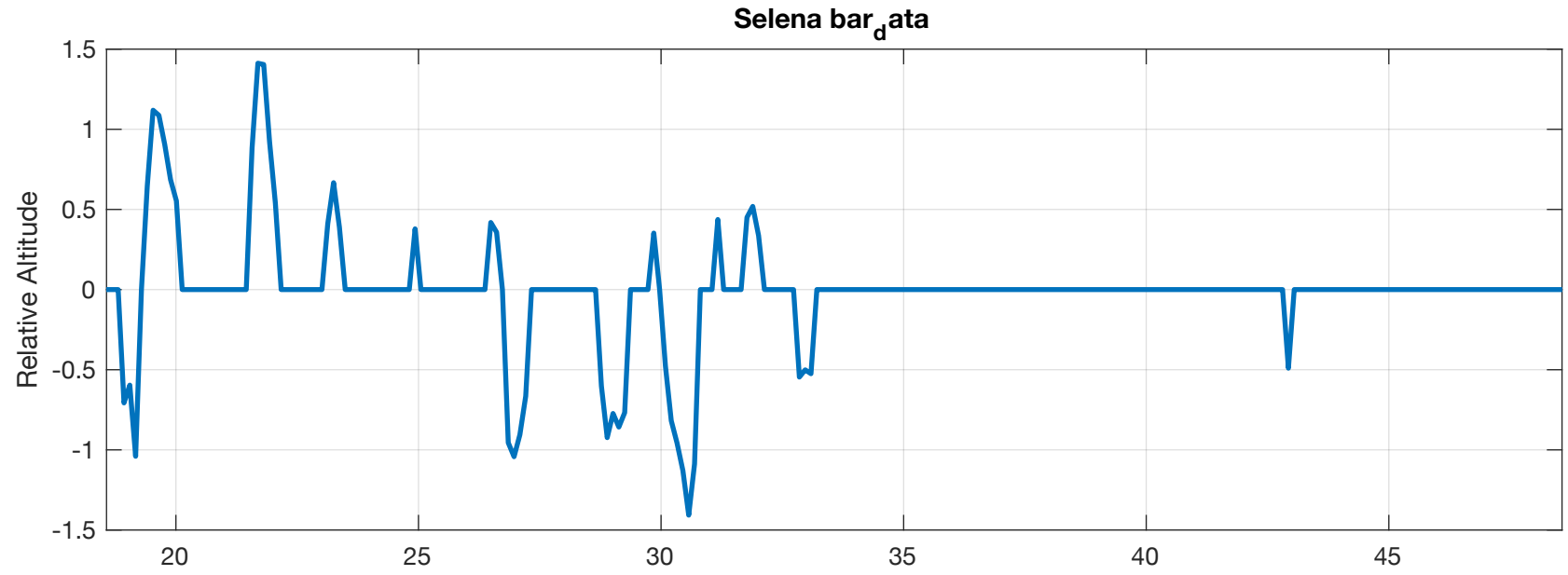
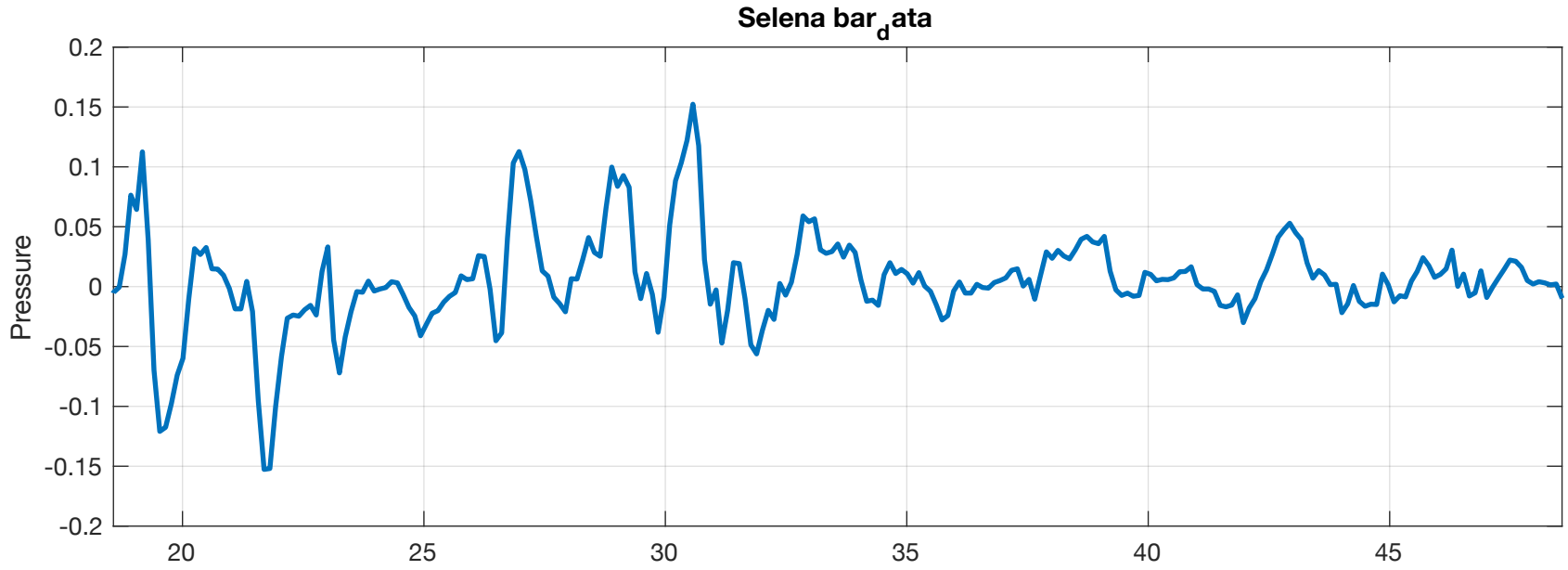
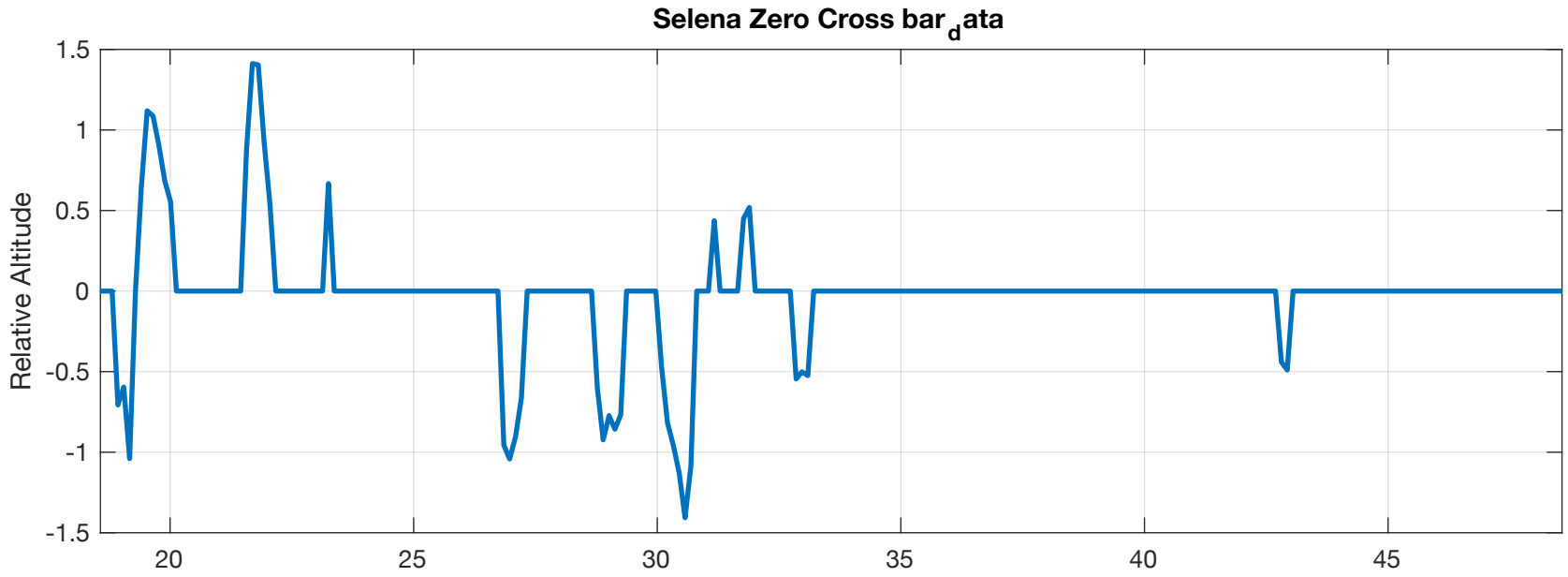

Selena accel_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena accel_data
Y
3
2
1
0
-1
-2
20
25
30
35
40
45
Selena accel_data
X
4
2
0
-2
20
25
30
35
40
45

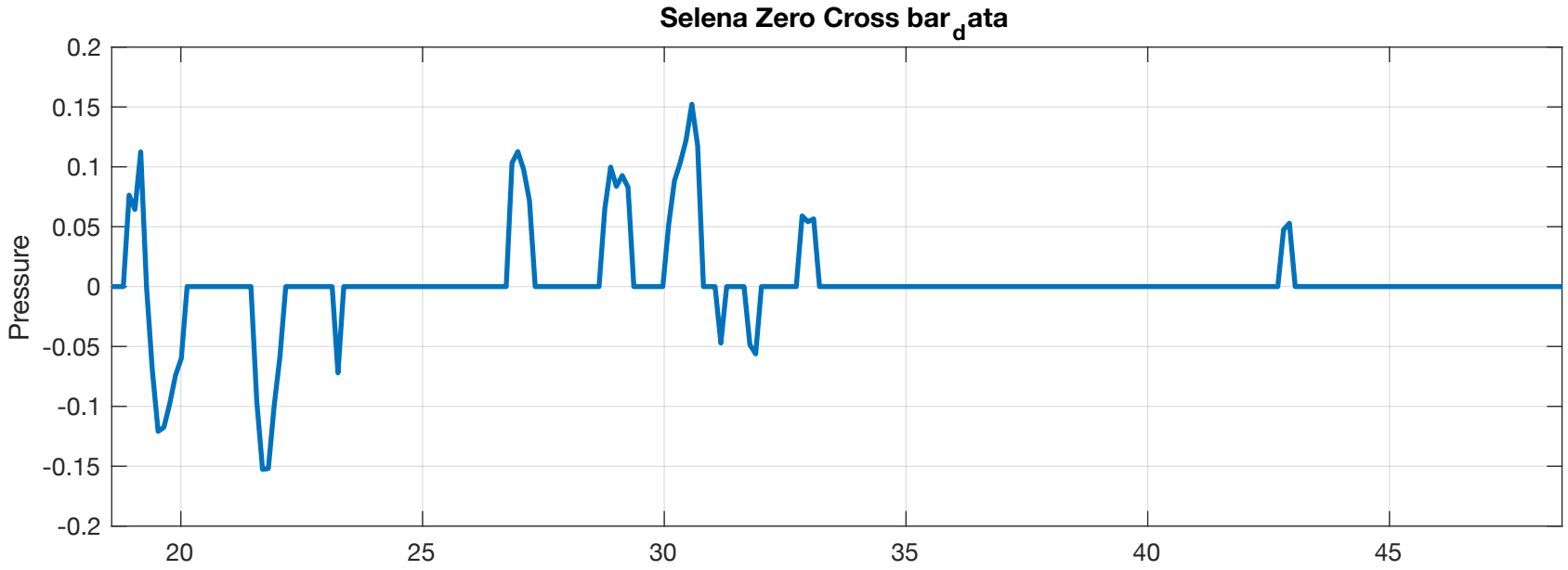

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross accel_data
Y
3
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross accel_data
X
4
2
0
-2
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-345.000	-241.000	-90.000	-36.500	"accel_data"
'Y'	-414.000	-304.000	-108.000	-74.500	"accel_data"
'X'	-383.000	-278.000	-103.000	-58.500	"accel_data"

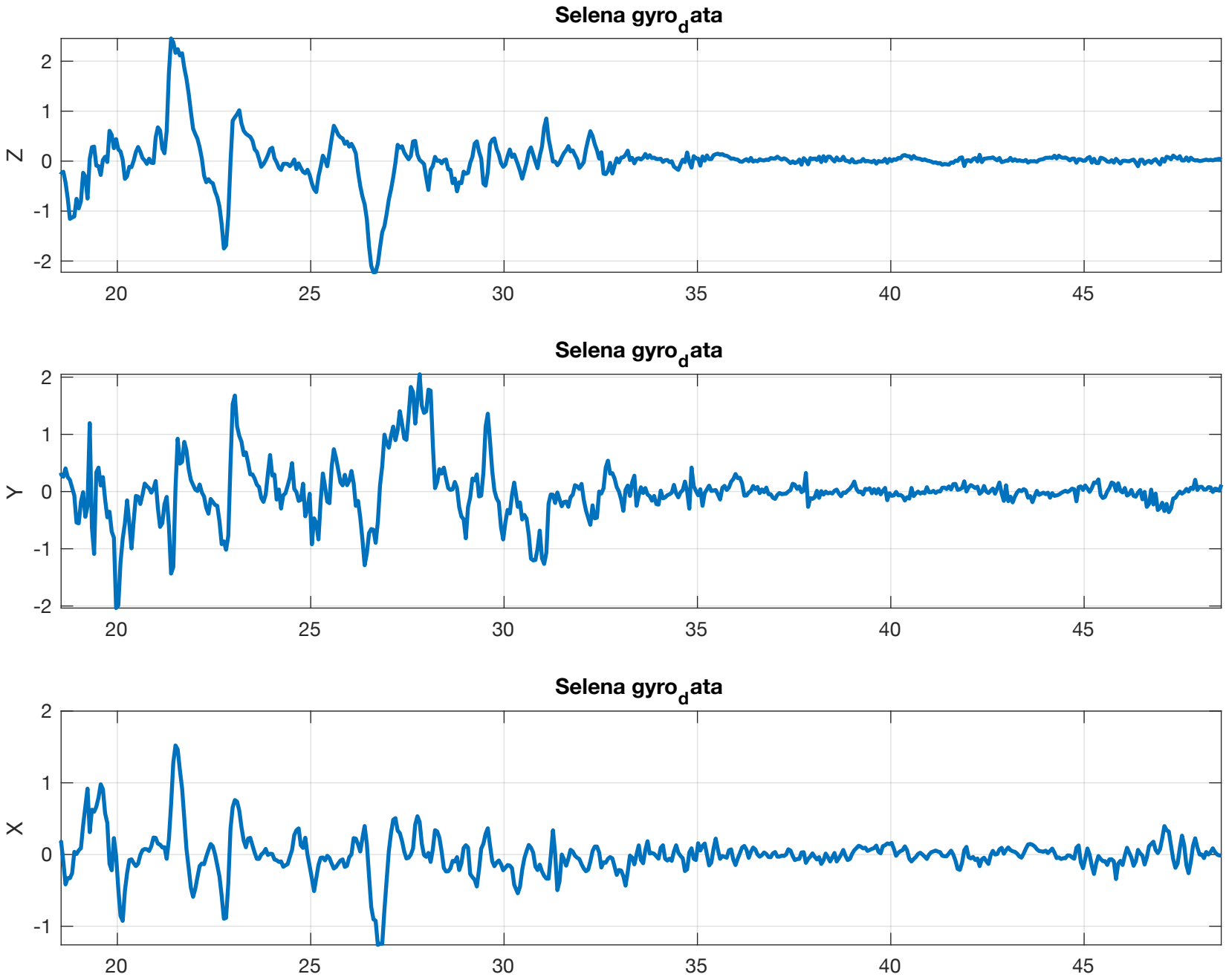

Selena bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
20
25
30
35
40
45

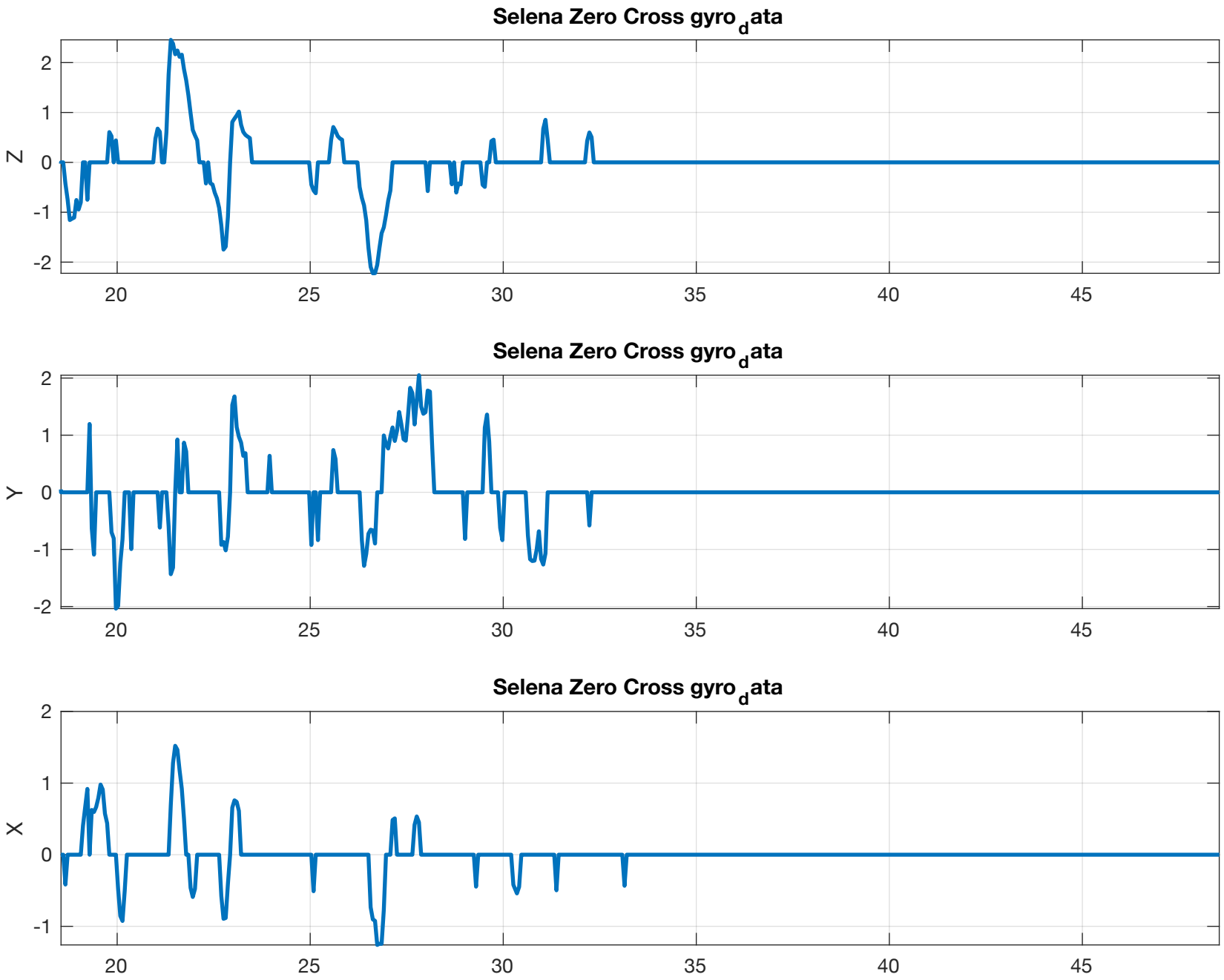

Selena bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
20
25
30
35
40
45


Selena Zero Cross bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
20
25
30
35
40
45

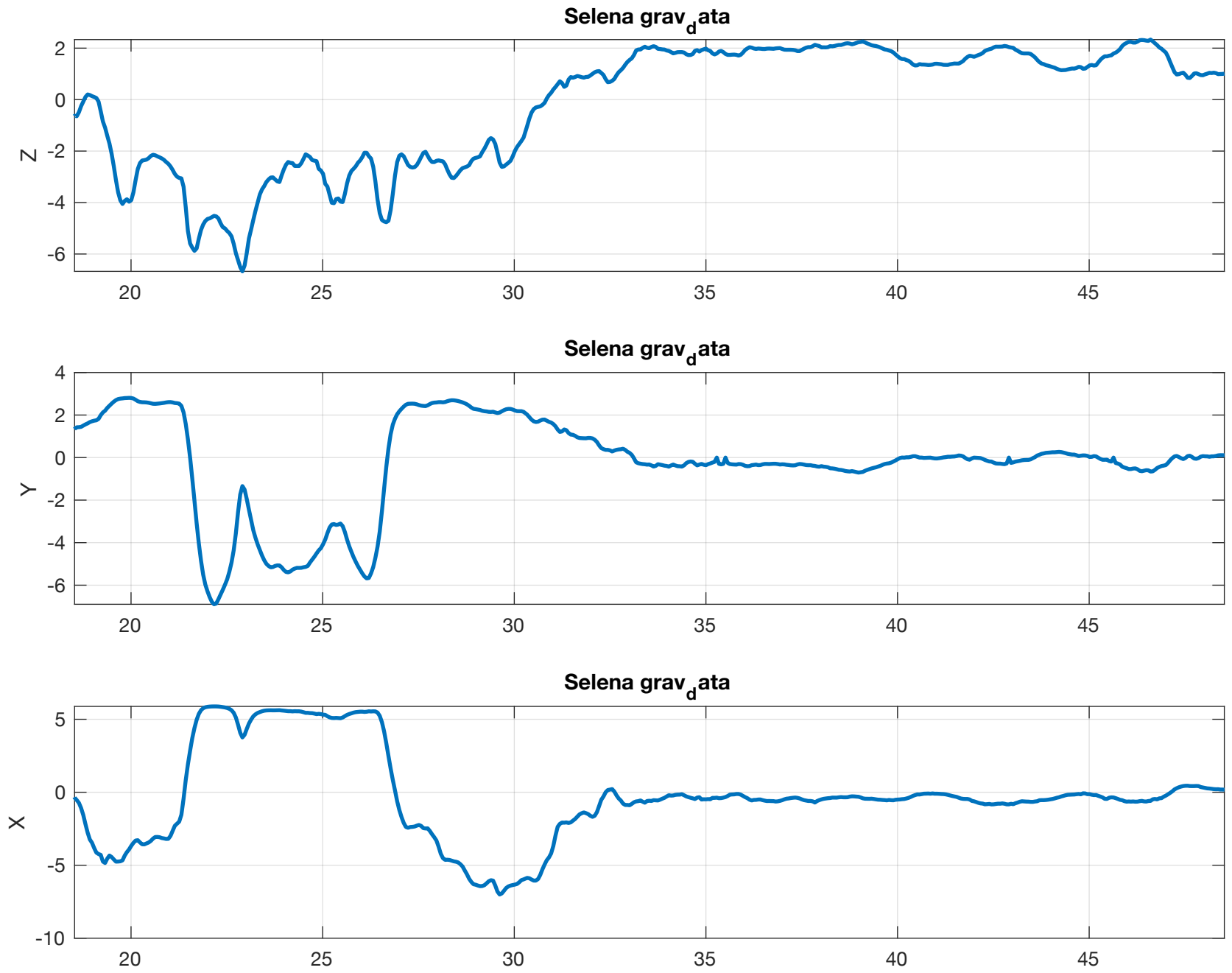

Selena Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
20
25
30
35
40
45

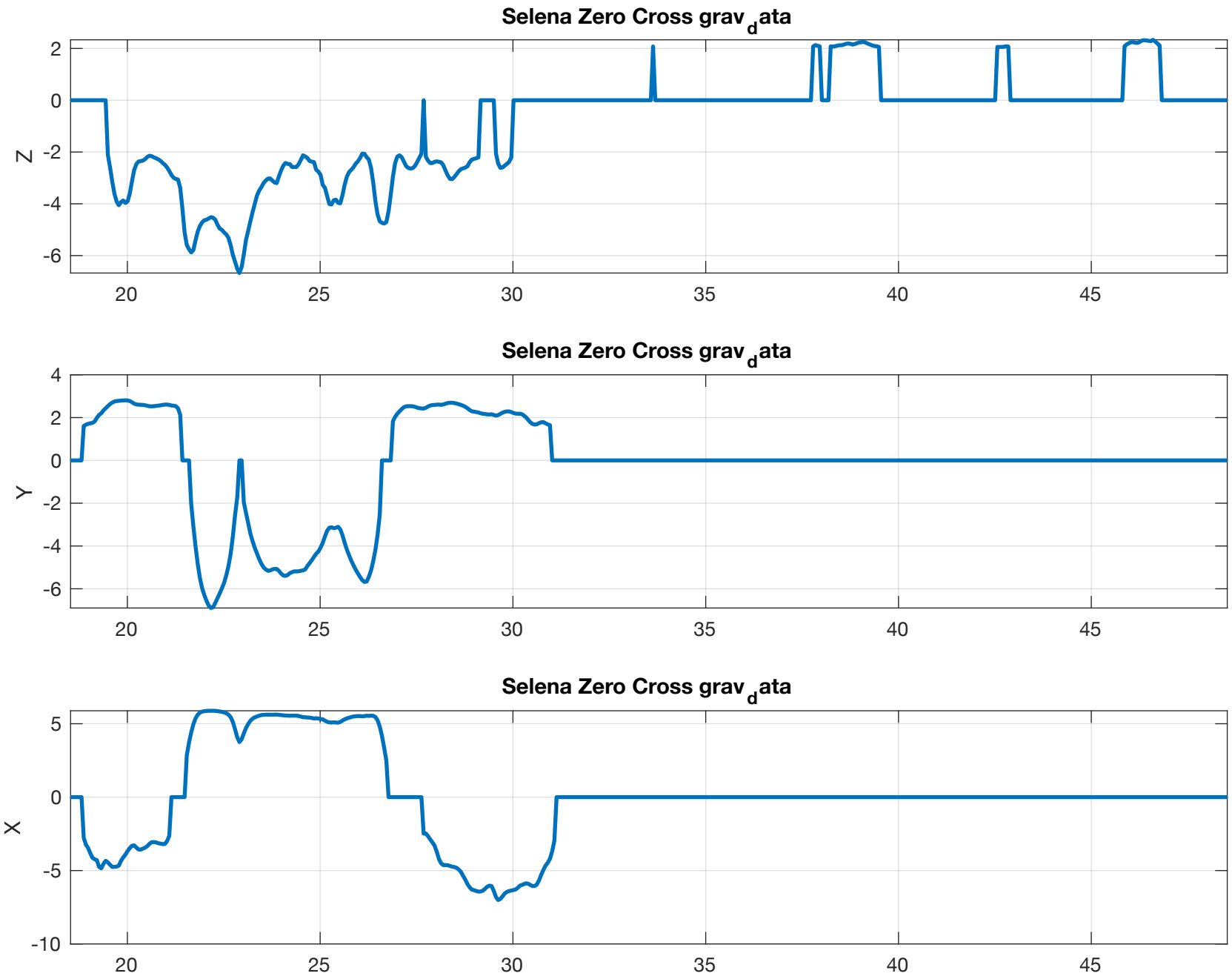
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-24.000	-5.000	3.000	-8.000	"bar_data"
"Pressure"	-128.000	-96.000	-32.000	-8.000	"bar_data"


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

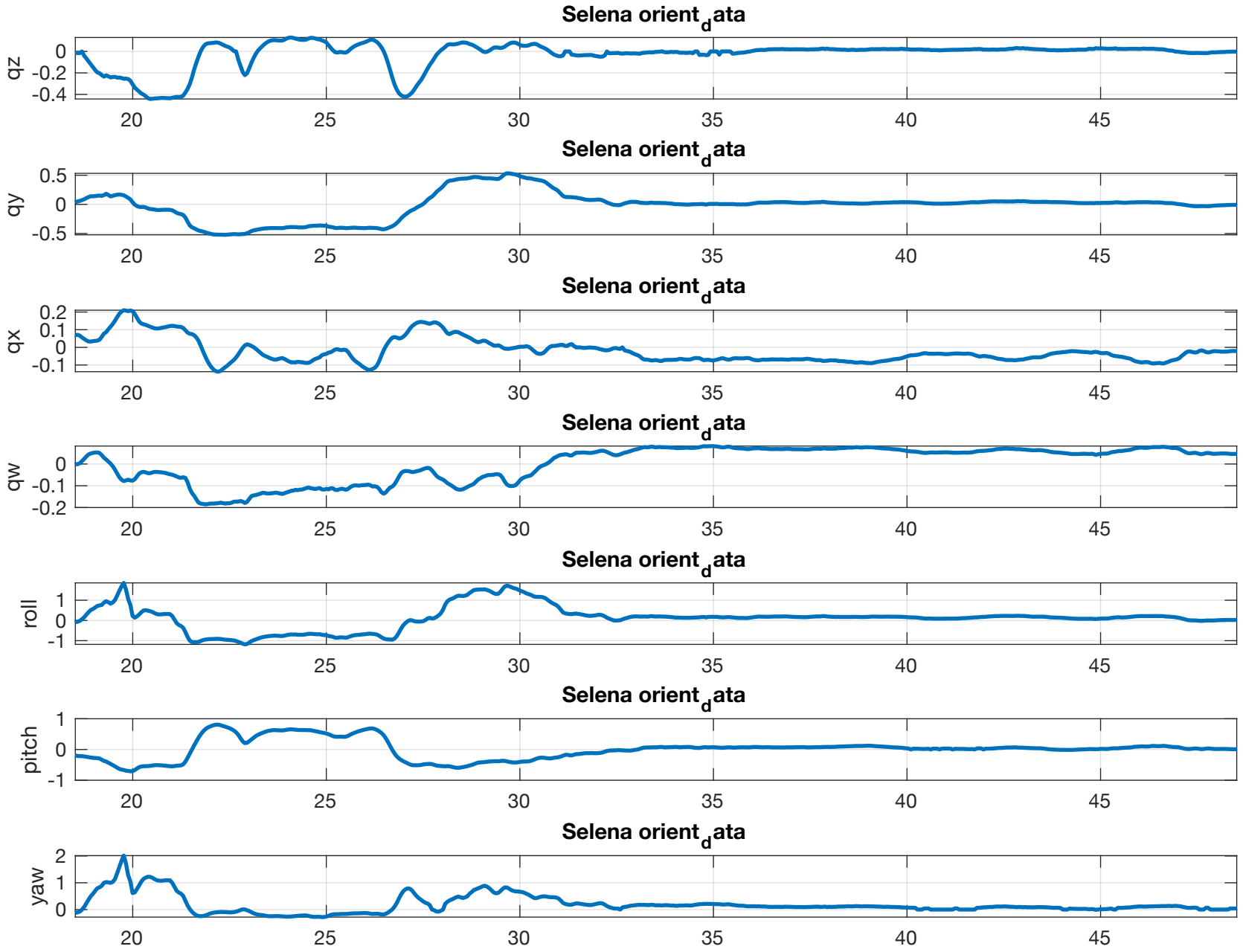

Selena Zero Cross gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross gyro_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Selena Zero Cross gyro_data
X
2
1
0
-1
20
25
30
35
40
45

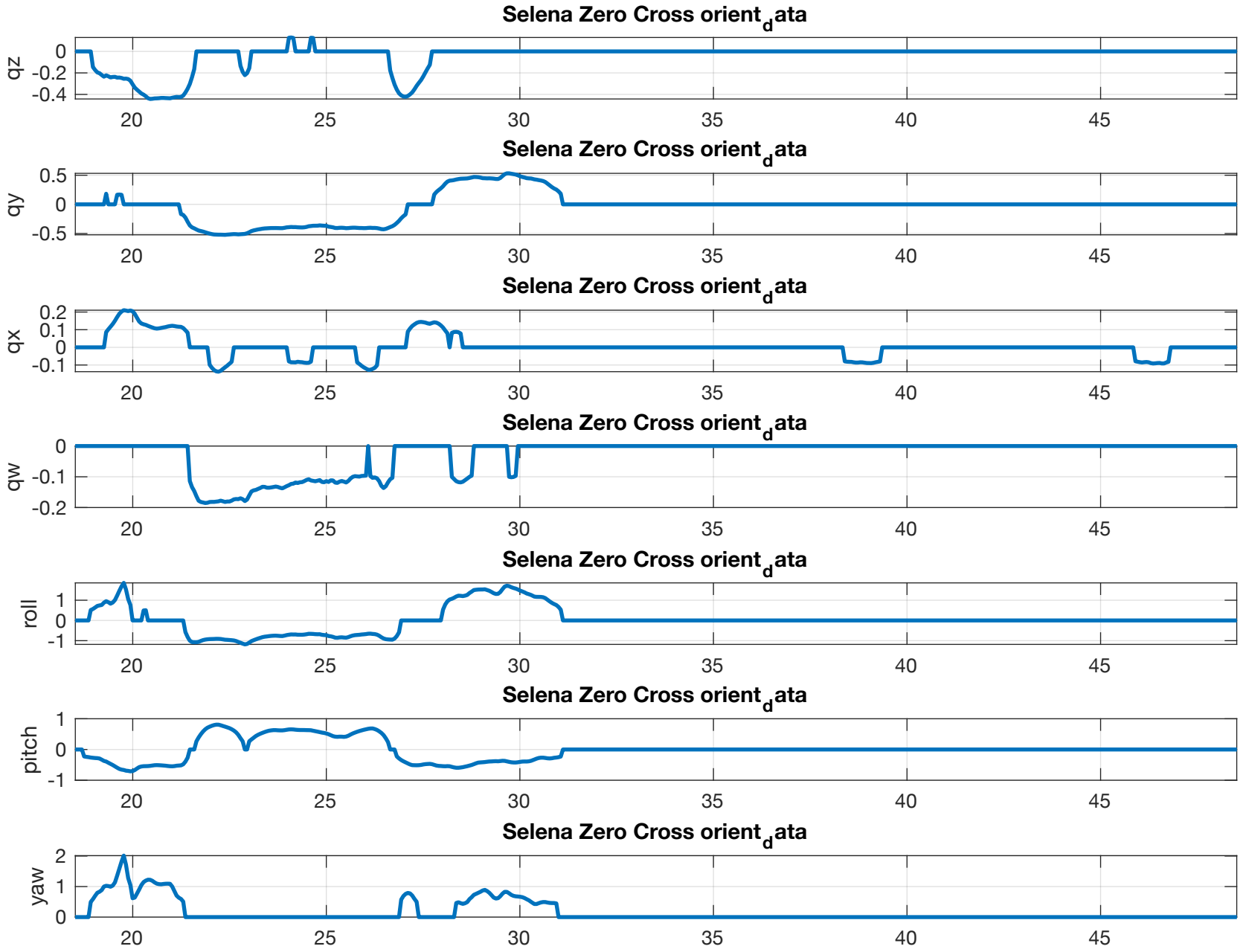
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-372.000	-313.000	-95.000	-8.500	"gyro_data"
'Y'	-367.000	-265.000	-91.000	-18.000	"gyro_data"
'X'	-269.000	-213.000	-73.000	-11.000	"gyro_data"


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


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

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-154.000	-125.000	-21.000	1.500	"grav_data"
'Y'	-150.000	-89.000	-24.000	5.500	"grav_data"
'X'	-168.000	-67.000	-12.000	5.500	"grav_data"


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


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

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-216.000	-165.000	-33.000	4.000	"orient_data"
'qy'	-157.000	-103.000	-22.000	5.500	"orient_data"
'qx'	-148.000	-62.000	-14.000	1.000	"orient_data"
'qw'	-176.000	-136.000	-22.000	5.000	"orient_data"
'roll'	-150.000	-104.000	-17.000	5.000	"orient_data"
'pitch'	-153.000	-91.000	-21.000	5.500	"orient_data"
'yaw'	-191.000	-107.000	-18.000	5.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	36.500
'bar_data'	"Relative Altitude"	'double_findpeaks'	3.000
'gyro_data'	"Z"	'zero_cross'	8.500
'grav_data'	"Z"	'zero_cross'	1.500
'orient_data'	"qx"	'zero_cross'	1.000