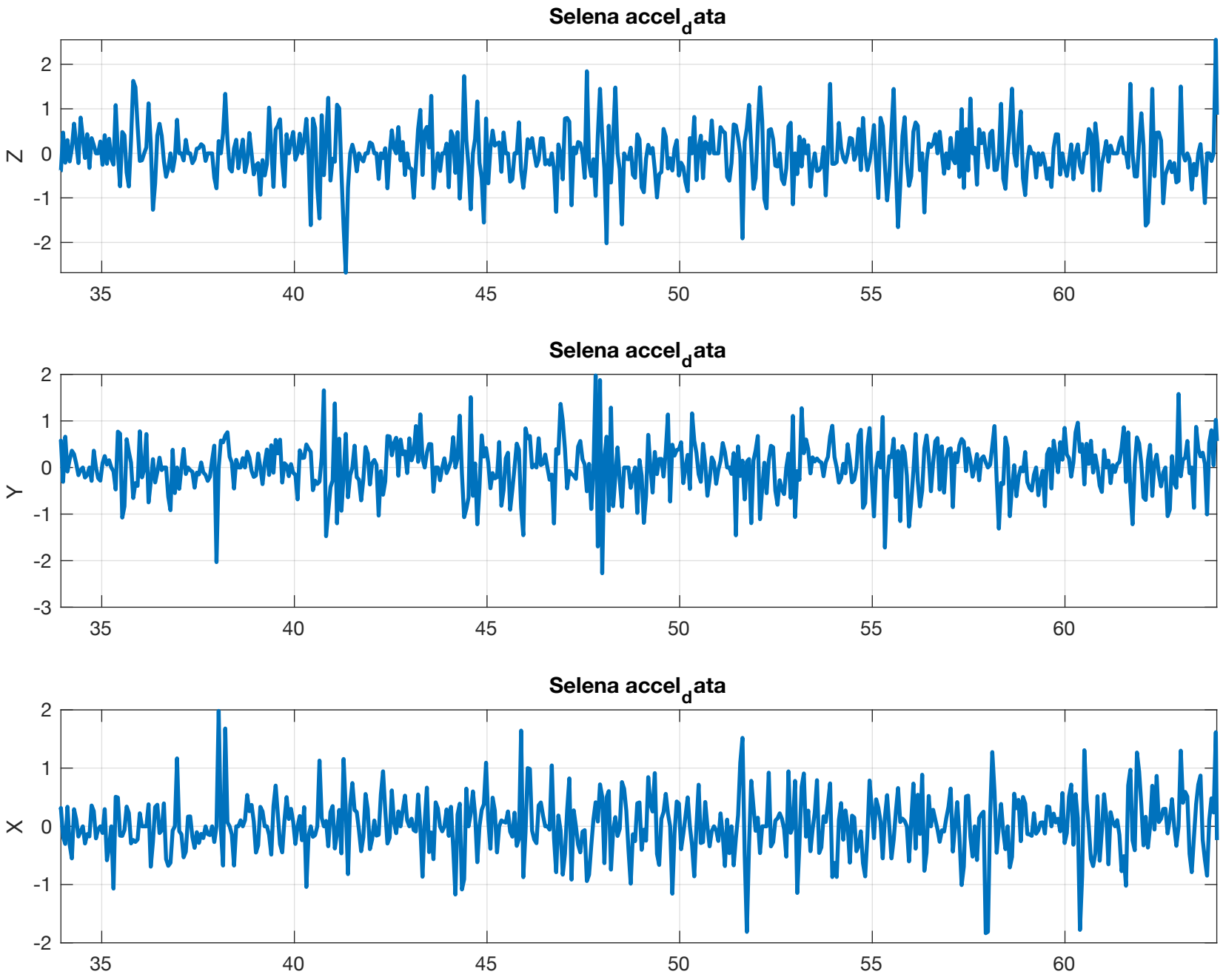
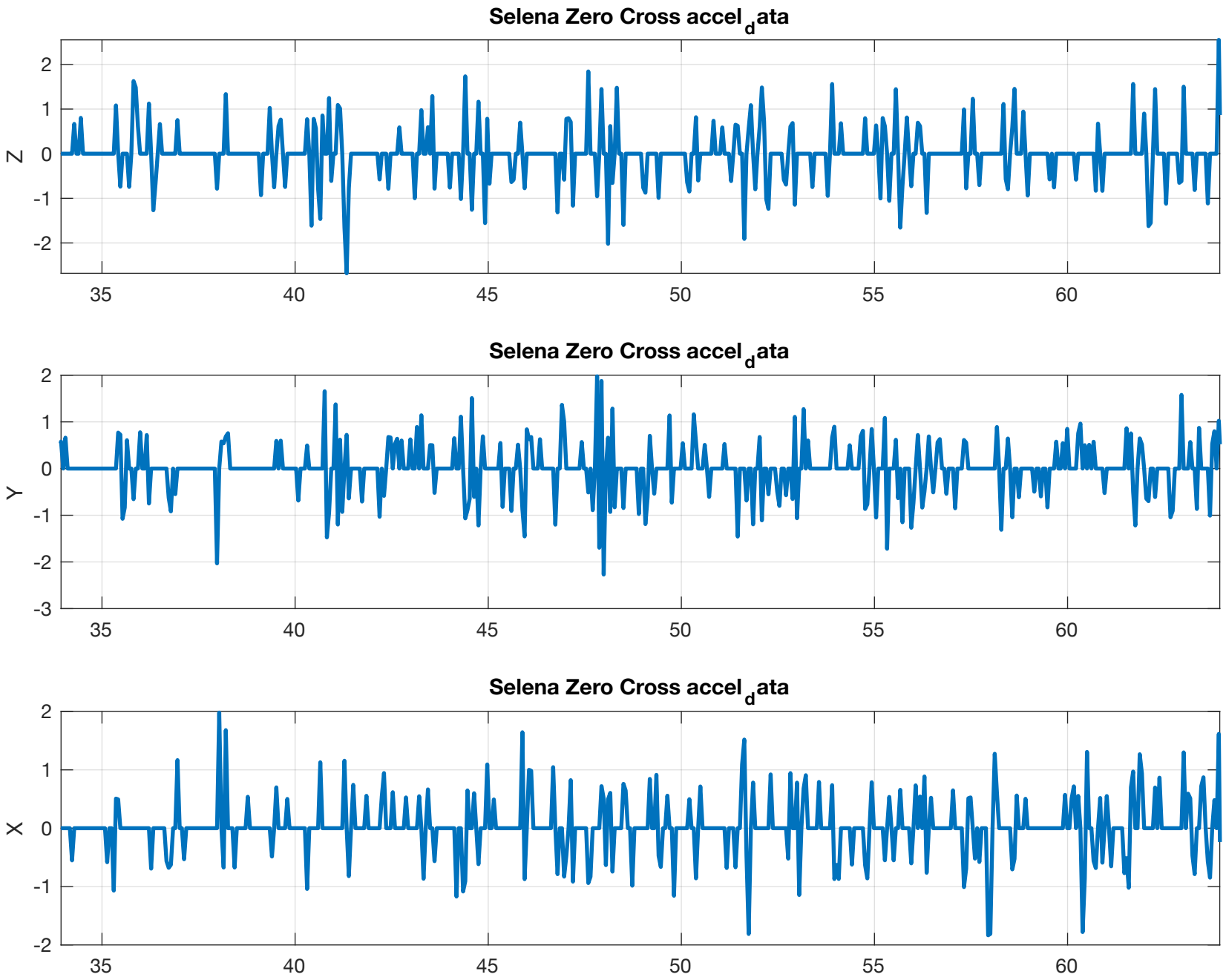
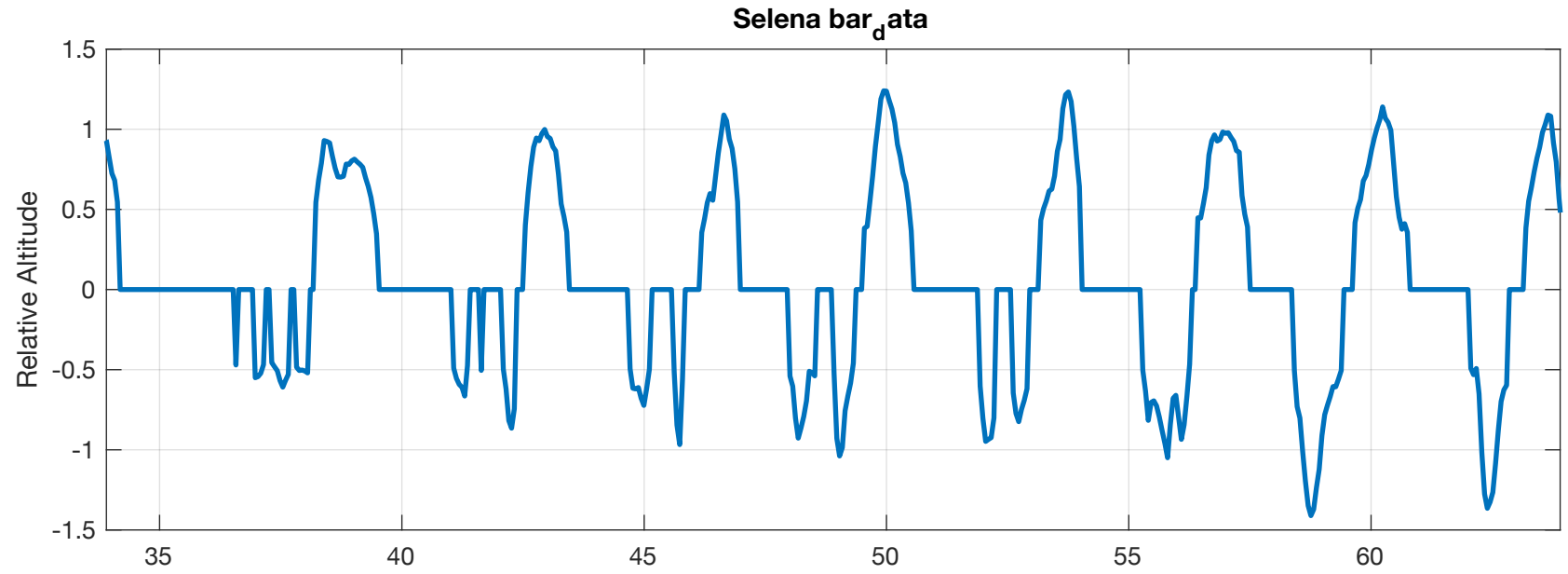
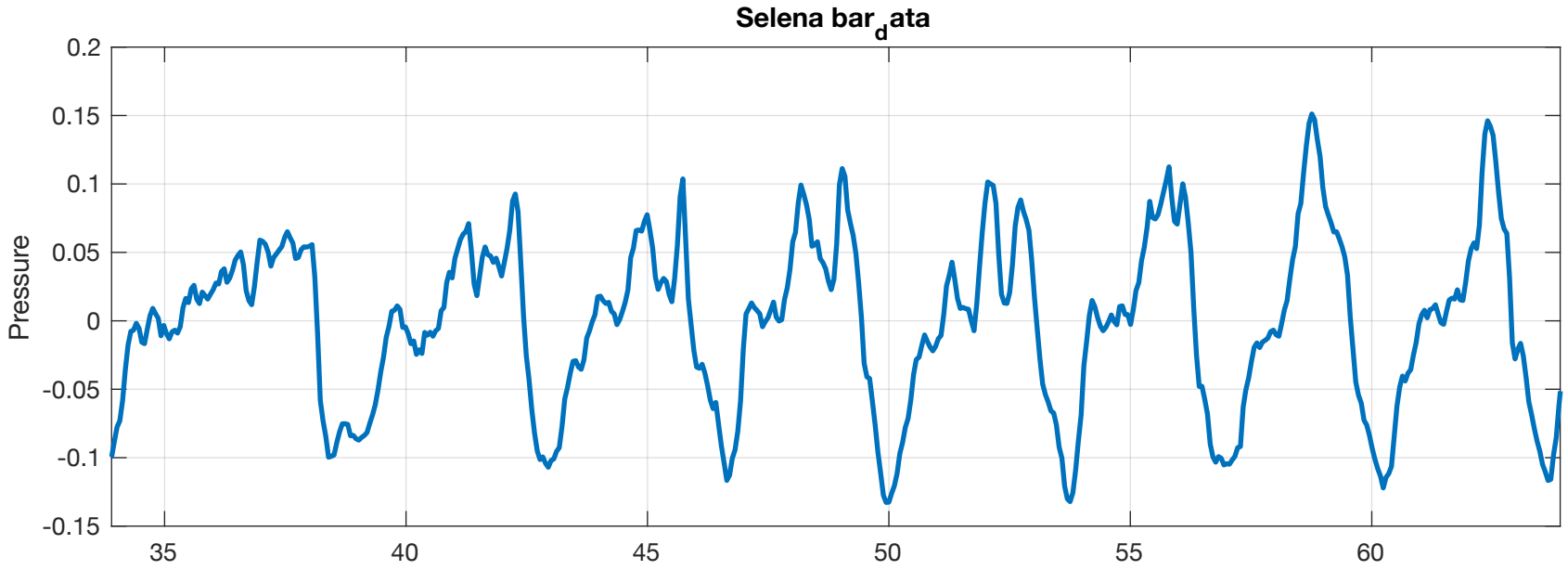
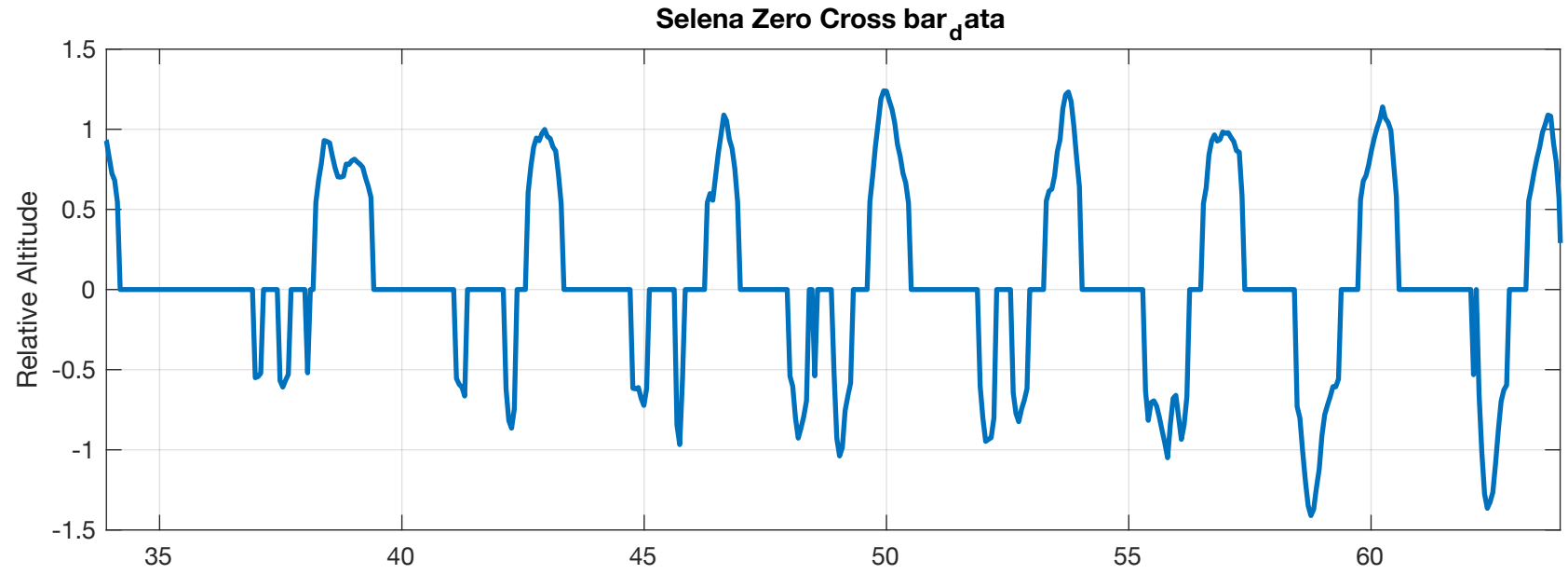

Selena accel_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Selena accel_data
Y
2
1
0
-1
-2
-3
35
40
45
50
55
60
Selena accel_data
X
2
1
0
-1
-2
35
40
45
50
55
60

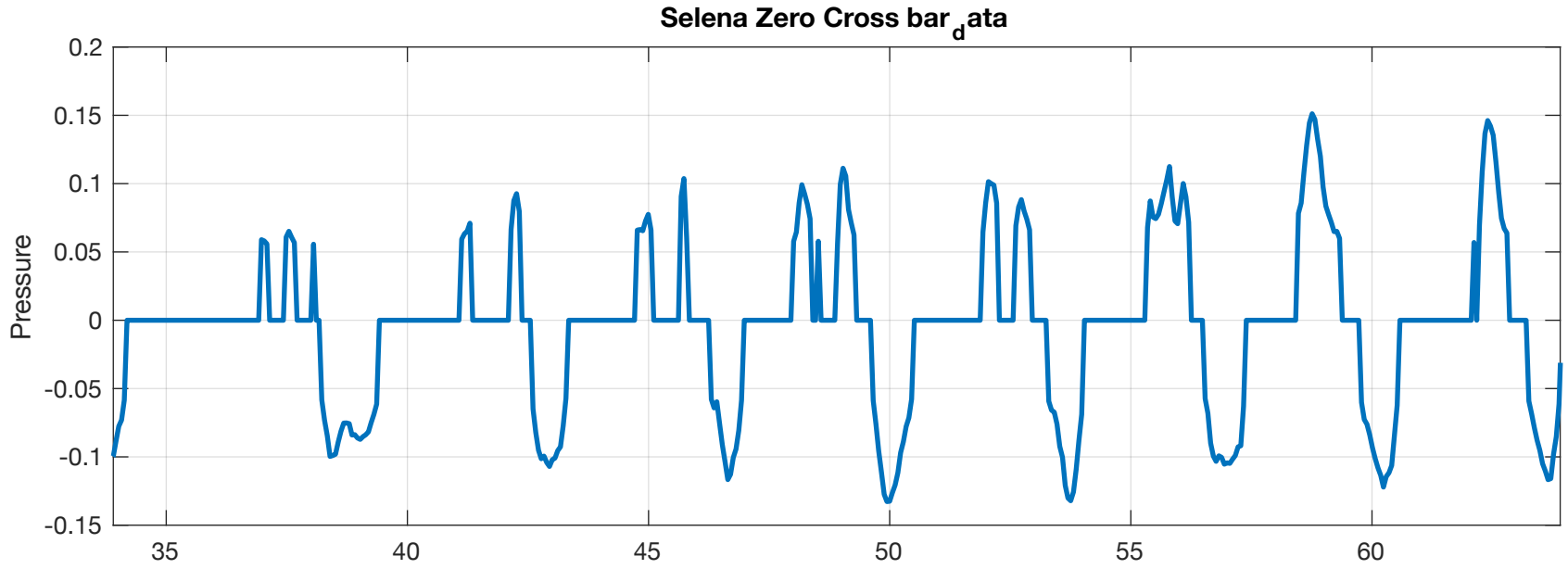

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Selena Zero Cross accel_data
Y
2
1
0
-1
-2
-3
35
40
45
50
55
60
Selena Zero Cross accel_data
X
2
1
0
-1
-2
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-212.000	-171.000	-58.000	-62.000	"accel_data"
'Y'	-230.000	-192.000	-64.000	-72.000	"accel_data"
'X'	-213.000	-175.000	-67.000	-65.000	"accel_data"

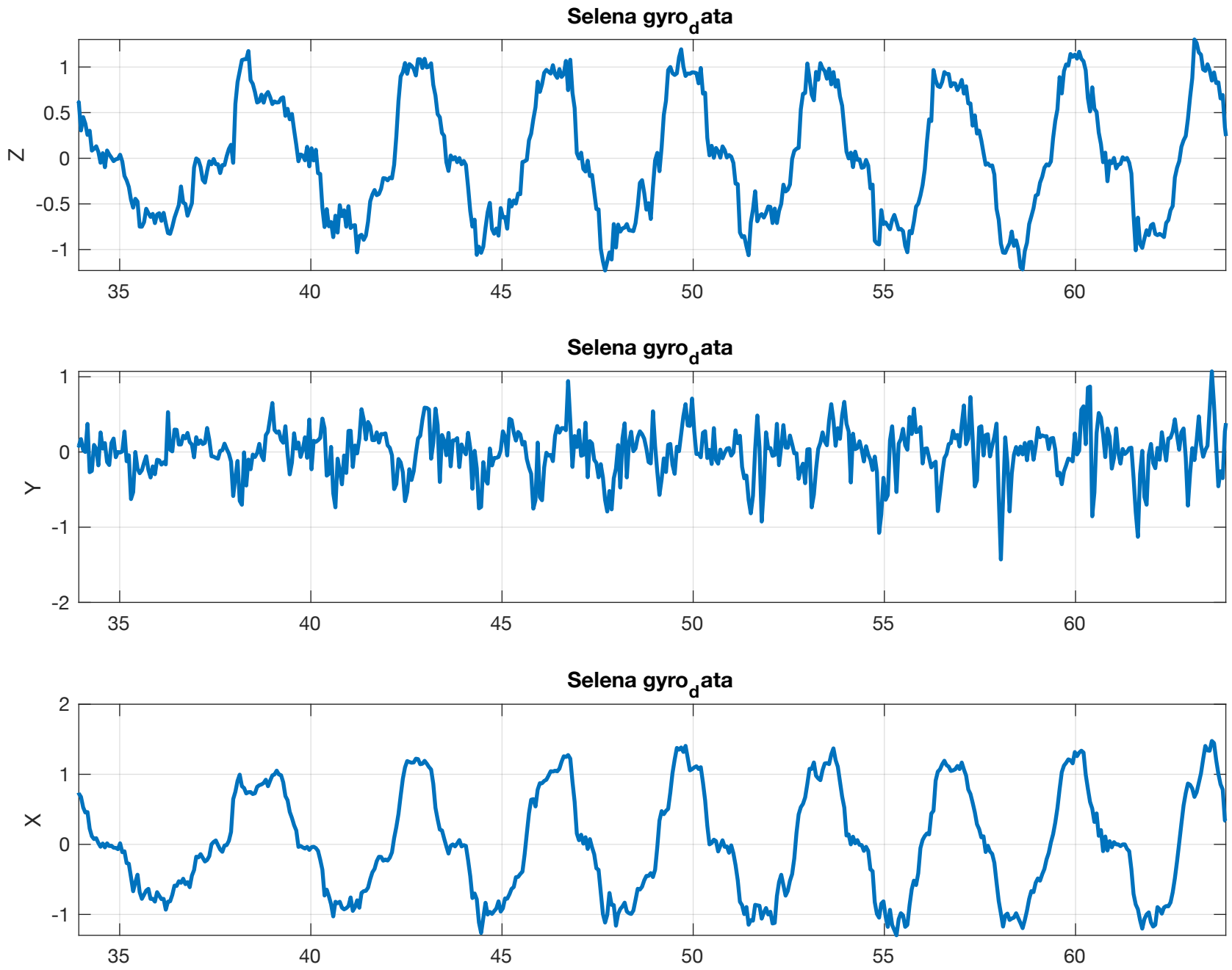

Selena bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
35
40
45
50
55
60

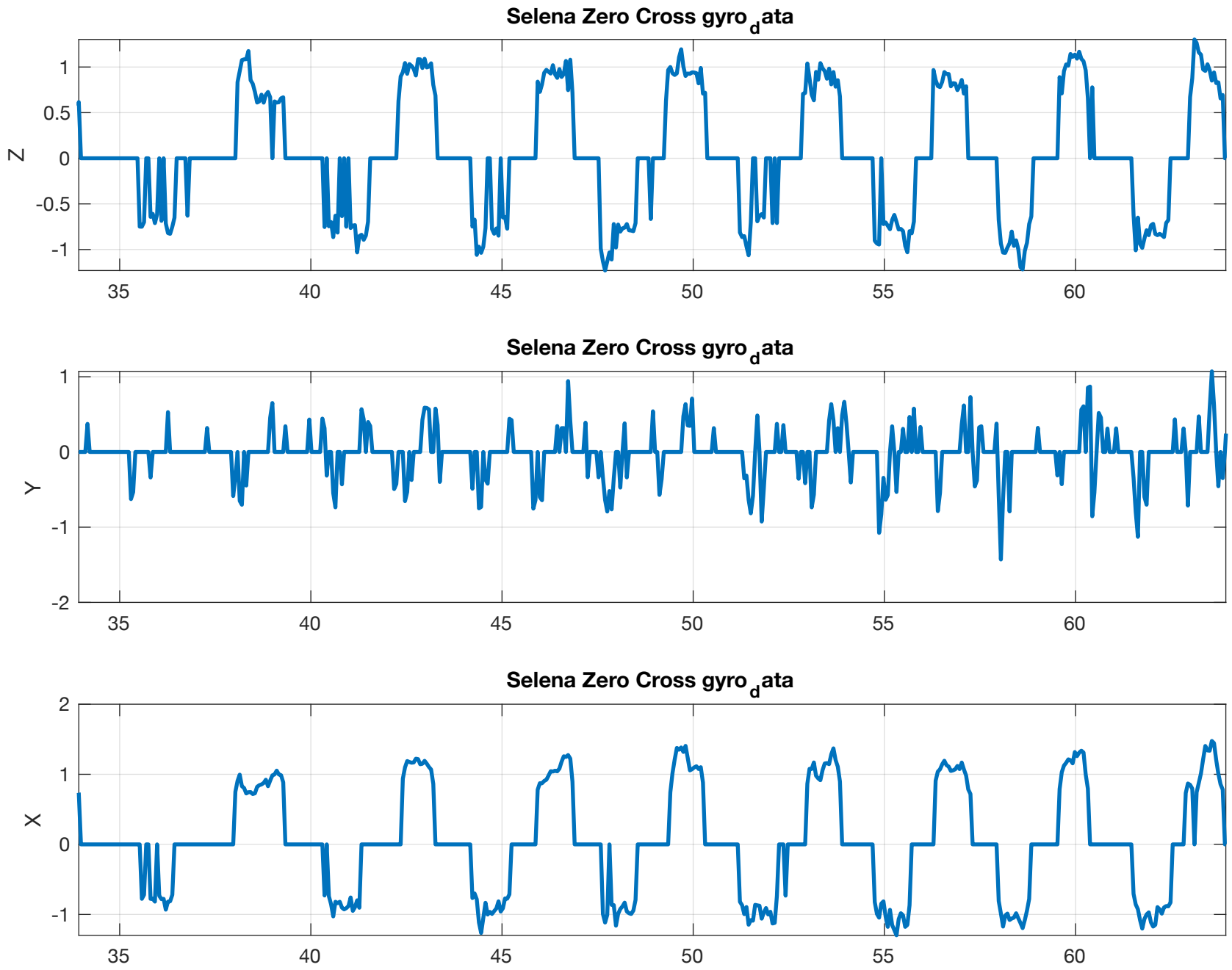

Selena bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
35
40
45
50
55
60


Selena Zero Cross bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
35
40
45
50
55
60

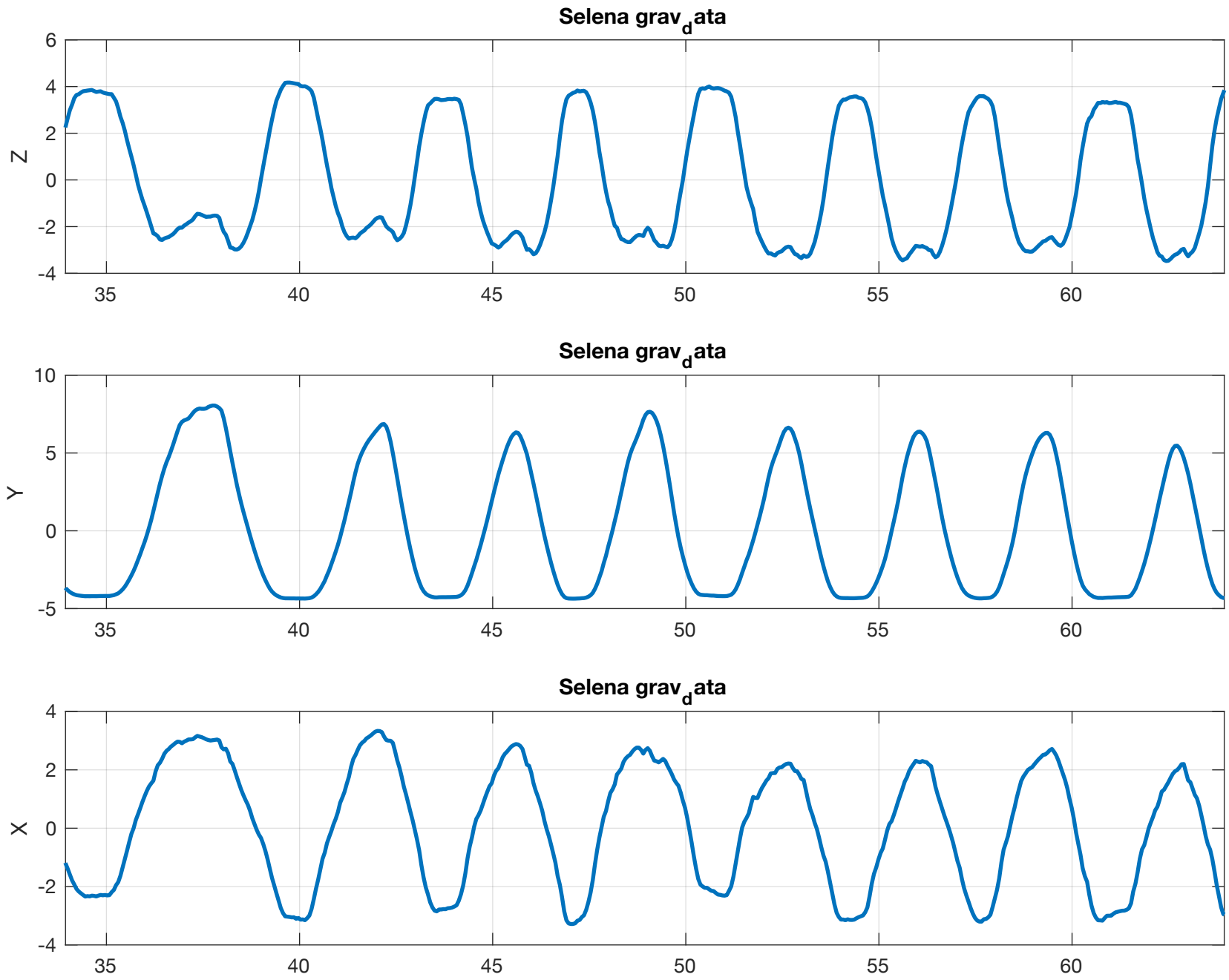

Selena Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
35
40
45
50
55
60

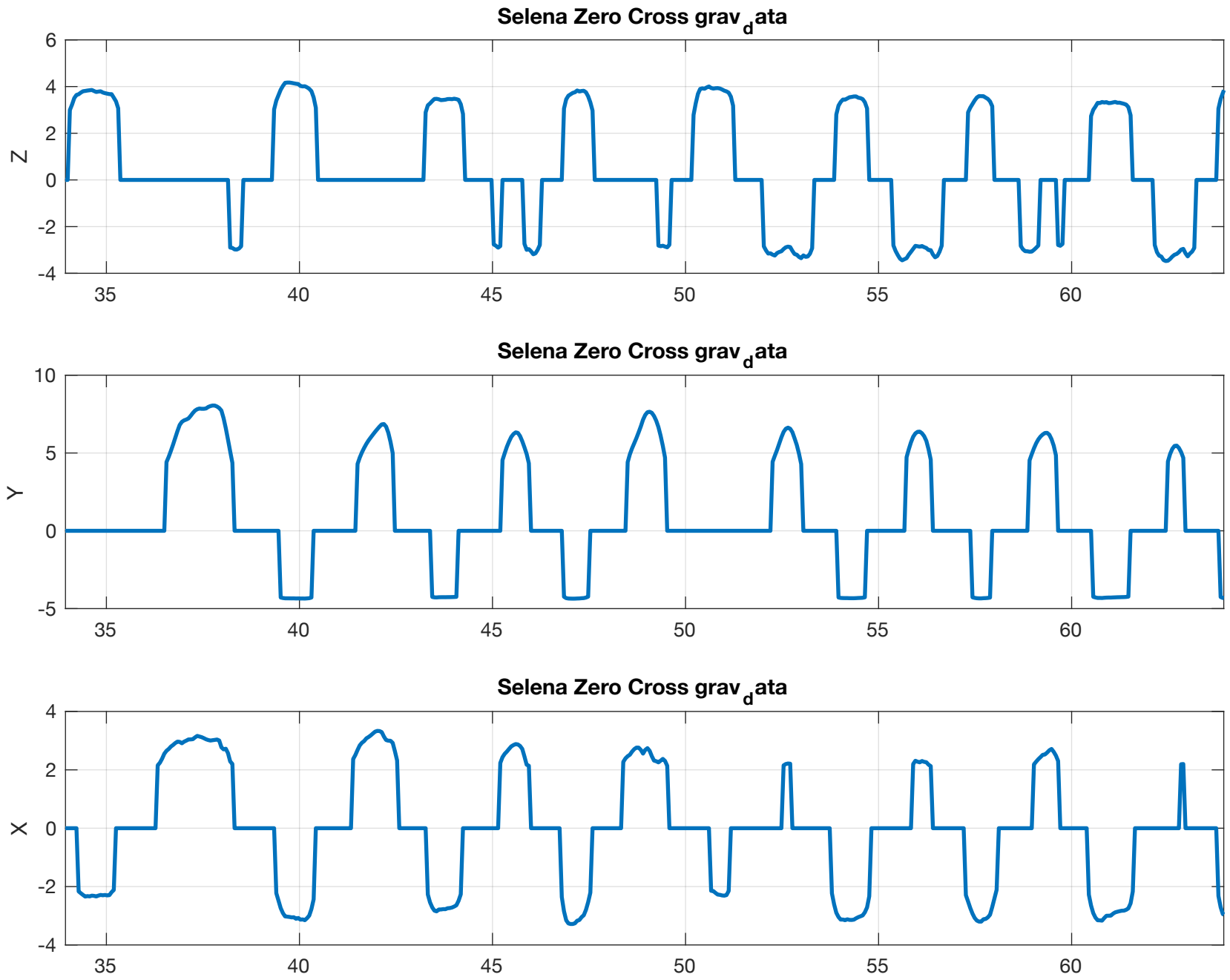
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-33.000	-14.000	-1.000	-6.500	"bar_data"
"Pressure"	-100.000	-68.000	-16.000	-6.500	"bar_data"


Selena gyro_data
Z
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Selena gyro_data
Y
1
0
-1
-2
35
40
45
50
55
60
Selena gyro_data
X
2
1
0
-1
35
40
45
50
55
60

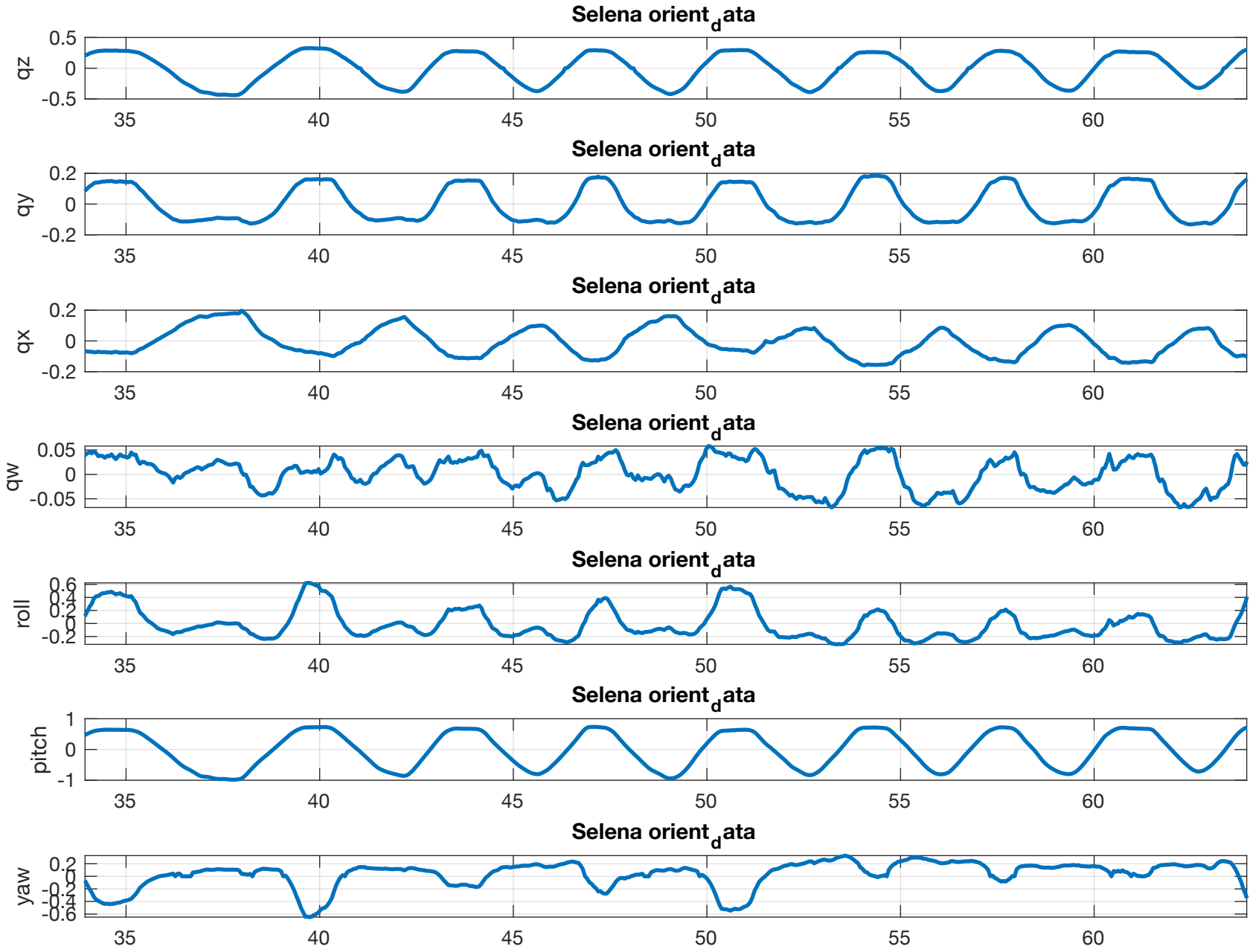

Selena Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Selena Zero Cross gyro_data
Y
1
0
-1
-2
35
40
45
50
55
60
Selena Zero Cross gyro_data
X
2
1
0
-1
35
40
45
50
55
60

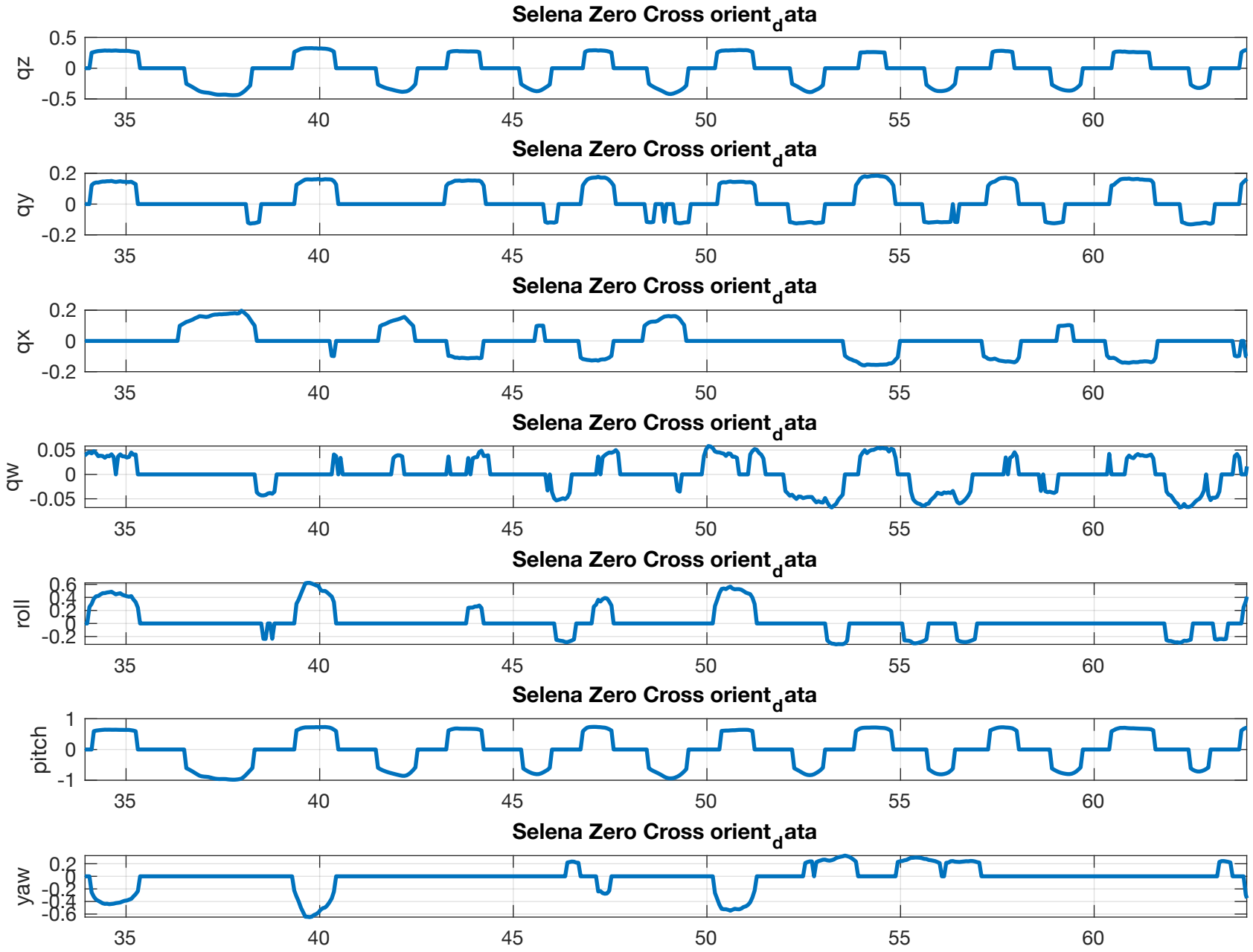
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-190.000	-102.000	-20.000	-12.000	"gyro_data"
'Y'	-216.000	-172.000	-57.000	-46.500	"gyro_data"
'X'	-156.000	-63.000	-12.000	-5.500	"gyro_data"


Selena grav_data
Z
6
4
2
0
-2
-4
35
40
45
50
55
60
Selena grav_data
Y
10
5
0
-5
35
40
45
50
55
60
Selena grav_data
X
4
2
0
-2
-4
35
40
45
50
55
60


Selena Zero Cross grav_data
Z
6
4
2
0
-2
-4
35
40
45
50
55
60
Selena Zero Cross grav_data
Y
10
5
0
-5
35
40
45
50
55
60
Selena Zero Cross grav_data
X
4
2
0
-2
-4
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-49.000	-25.000	-3.000	-0.750	"grav_data"
'Y'	-27.000	-2.000	3.000	0.750	"grav_data"
'X'	-43.000	-18.000	-1.000	-0.250	"grav_data"


Selena orientdata
qz
0.5
0
-0.5
35
40
45
50
55
60
Selena orientdata
qy
0.2
0
-0.2
35
40
45
50
55
60
Selena orientdata
qx
0.2
0
-0.2
35
40
45
50
55
60
Selena orientdata
qw
0.05
0
-0.05
35
40
45
50
55
60
Selena orientdata
roll
0.6
0.4
0.2
0
-0.2
35
40
45
50
55
60
Selena orientdata
pitch
1
0
-1
35
40
45
50
55
60
Selena orientdata
yaw
0.2
0
-0.2
-0.4
-0.6
35
40
45
50
55
60


Selena Zero Cross orientdata
qz
0.5
0
-0.5
35
40
45
50
55
60
Selena Zero Cross orientdata
qy
0.2
0
-0.2
35
40
45
50
55
60
Selena Zero Cross orientdata
qx
0.2
0
-0.2
35
40
45
50
55
60
Selena Zero Cross orientdata
qw
0.05
0
-0.05
35
40
45
50
55
60
Selena Zero Cross orientdata
roll
0.6
0.4
0.2
0
-0.2
35
40
45
50
55
60
Selena Zero Cross orientdata
pitch
1
0
-1
35
40
45
50
55
60
Selena Zero Cross orientdata
yaw
0.2
0
-0.2
-0.4
-0.6
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-33.000	-31.000	2.000	-0.750	"orient_data"
'qy'	-62.000	-33.000	-4.000	-1.750	"orient_data"
'qx'	-54.000	-13.000	-1.000	2.250	"orient_data"
'qw'	-113.000	-72.000	-17.000	-9.000	"orient_data"
'roll'	-70.000	-33.000	-4.000	1.000	"orient_data"
'pitch'	-27.000	-25.000	2.000	-0.250	"orient_data"
'yaw'	-81.000	-62.000	-14.000	4.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'double_findpeaks'	58.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	1.000
'gyro_data'	"X"	'zero_cross'	5.500
'grav_data'	"X"	'zero_cross'	0.250
'orient_data'	"pitch"	'zero_cross'	0.250