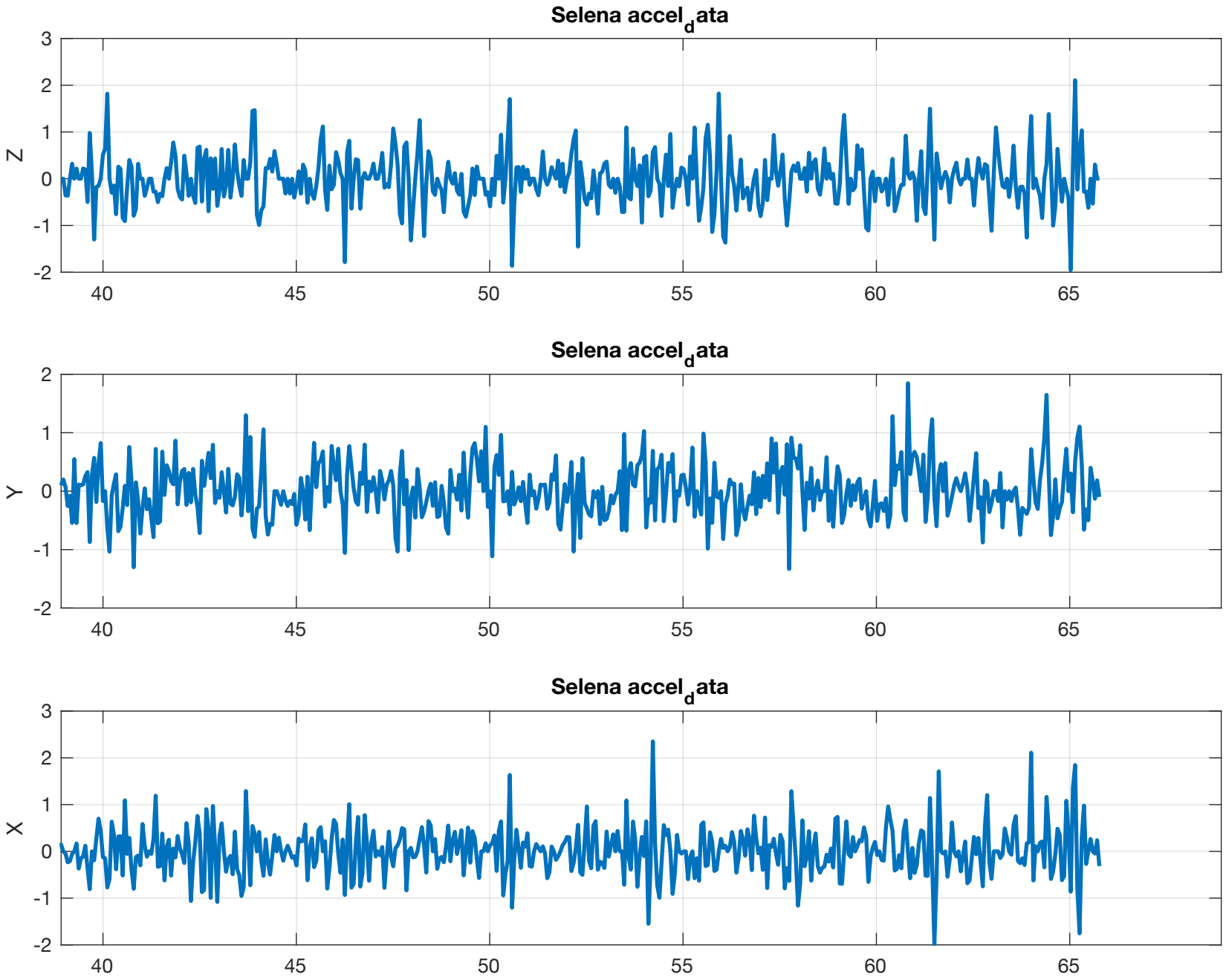
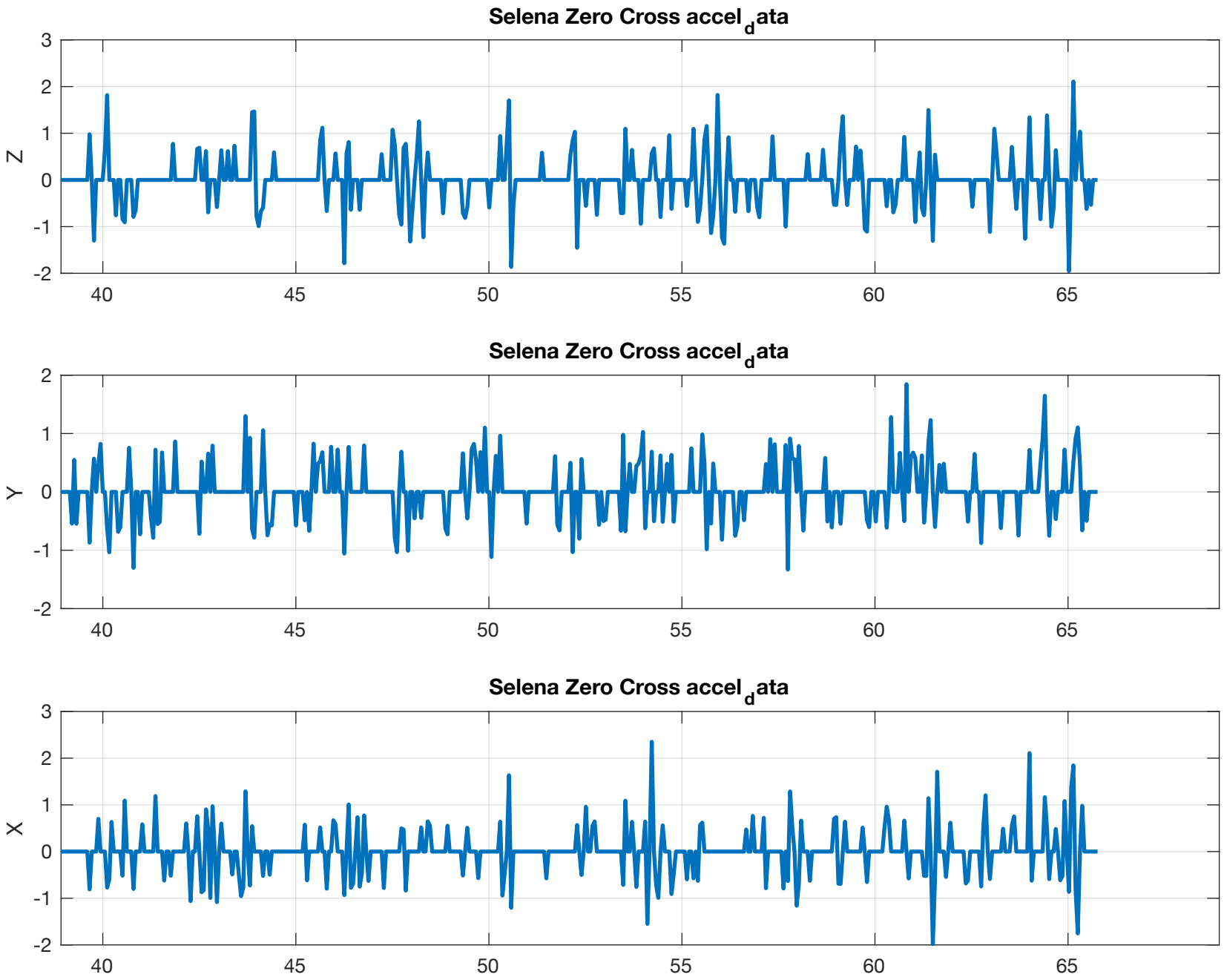
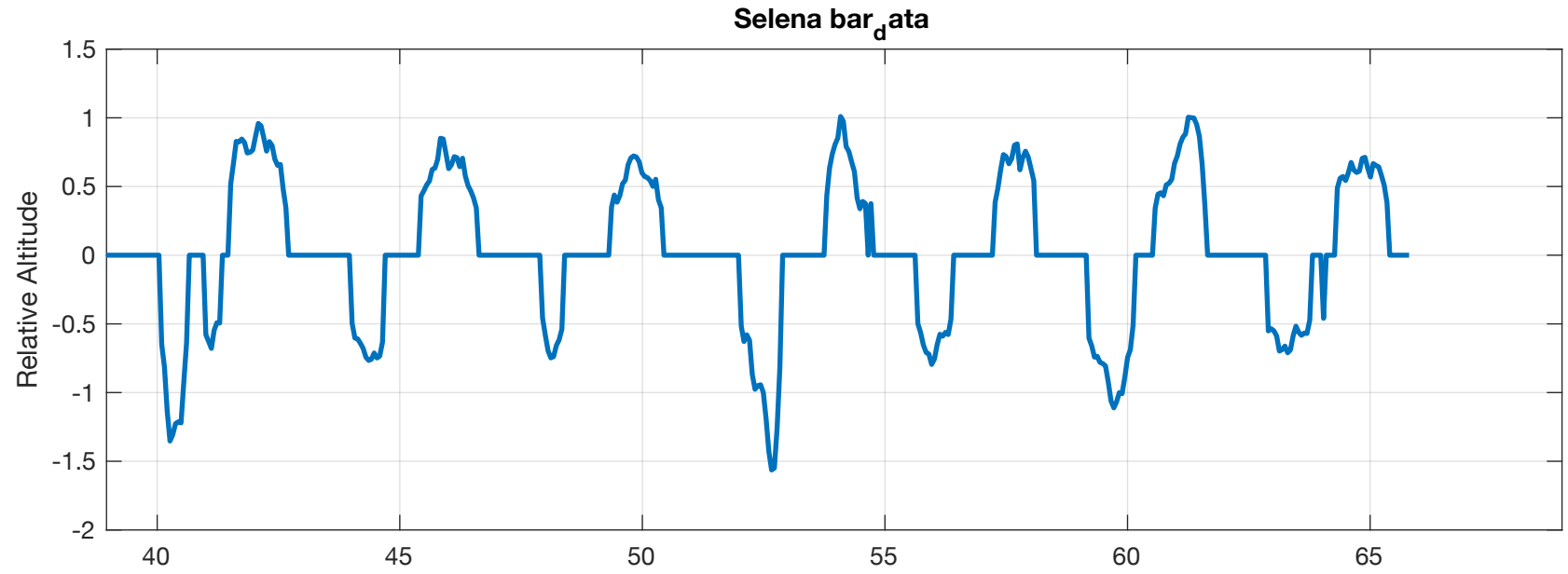
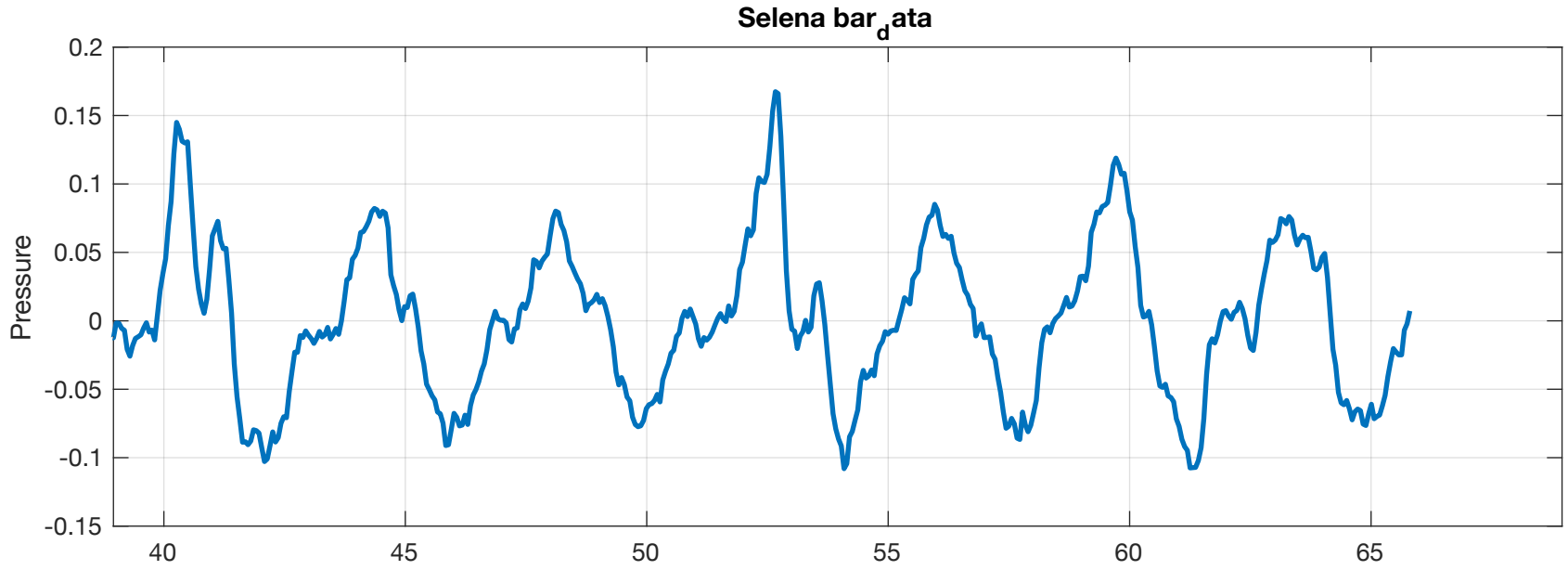
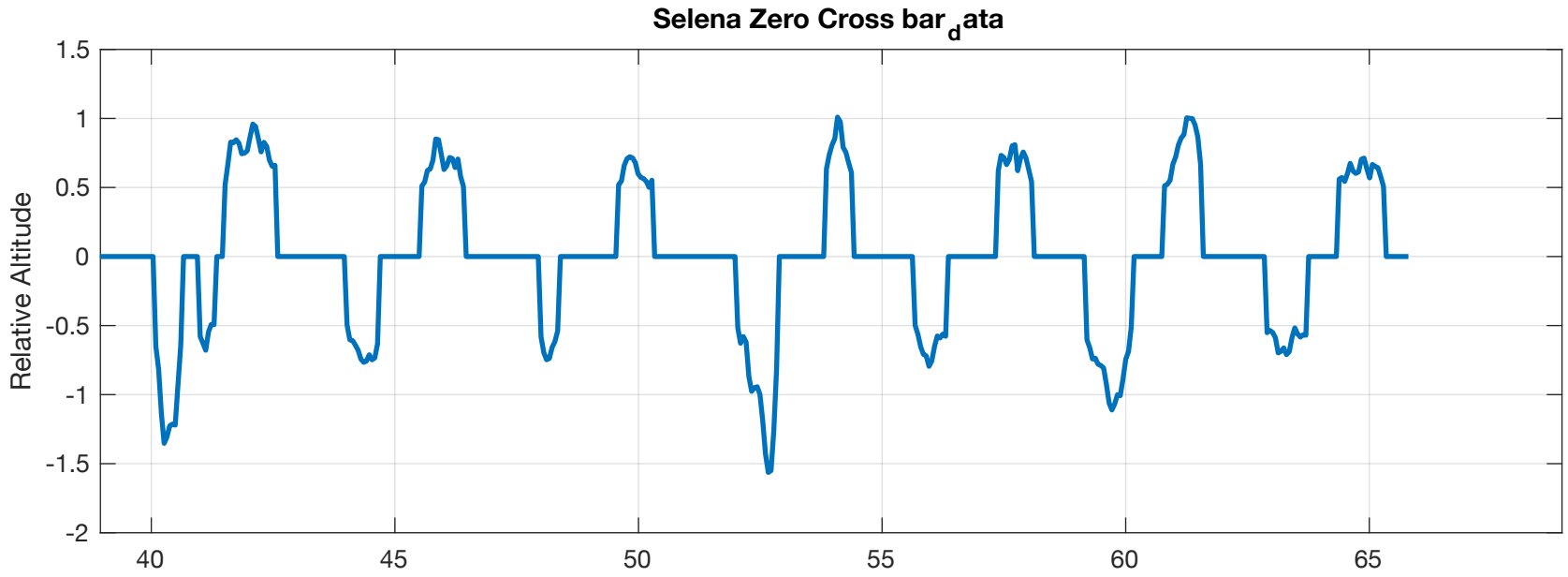

Selena accel_data
Z
3
2
1
0
-1
-2
40
45
50
55
60
65
Selena accel_data
Y
2
1
0
-1
-2
40
45
50
55
60
65
Selena accel_data
X
3
2
1
0
-1
-2
40
45
50
55
60
65

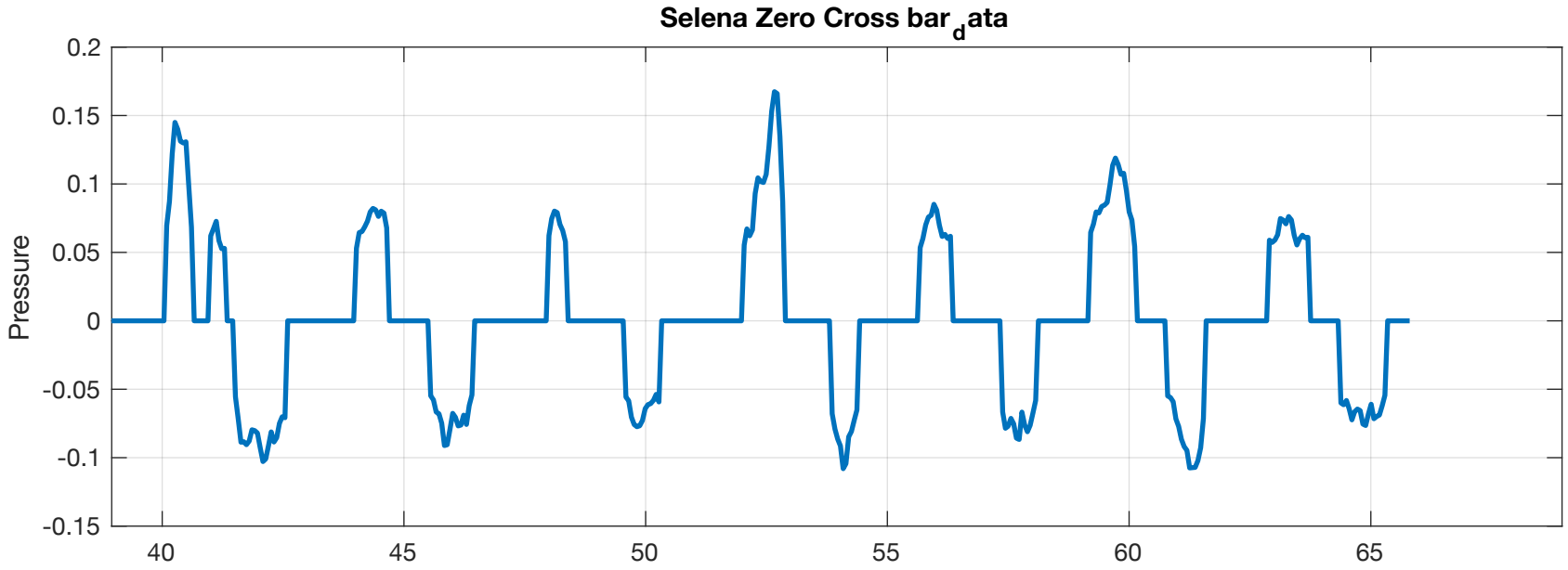

Selena Zero Cross accel_data
Z
3
2
1
0
-1
-2
40
45
50
55
60
65
Selena Zero Cross accel_data
Y
2
1
0
-1
-2
40
45
50
55
60
65
Selena Zero Cross accel_data
X
3
2
1
0
-1
-2
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-163.000	-130.000	-40.000	-51.000	"accel_data"
'Y'	-201.000	-154.000	-59.000	-61.000	"accel_data"
'X'	-177.000	-149.000	-45.000	-55.000	"accel_data"

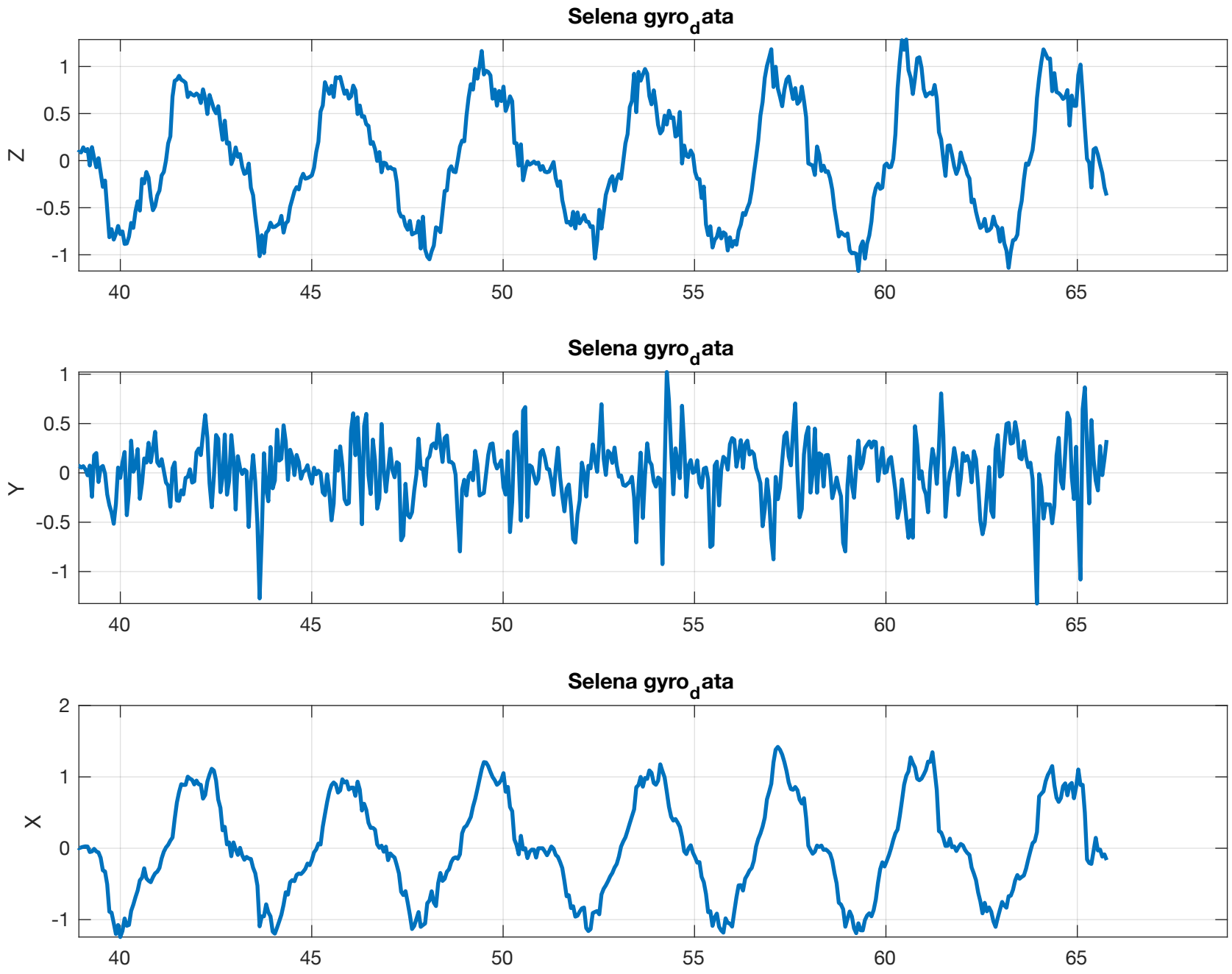

Selena bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
-2
40
45
50
55
60
65

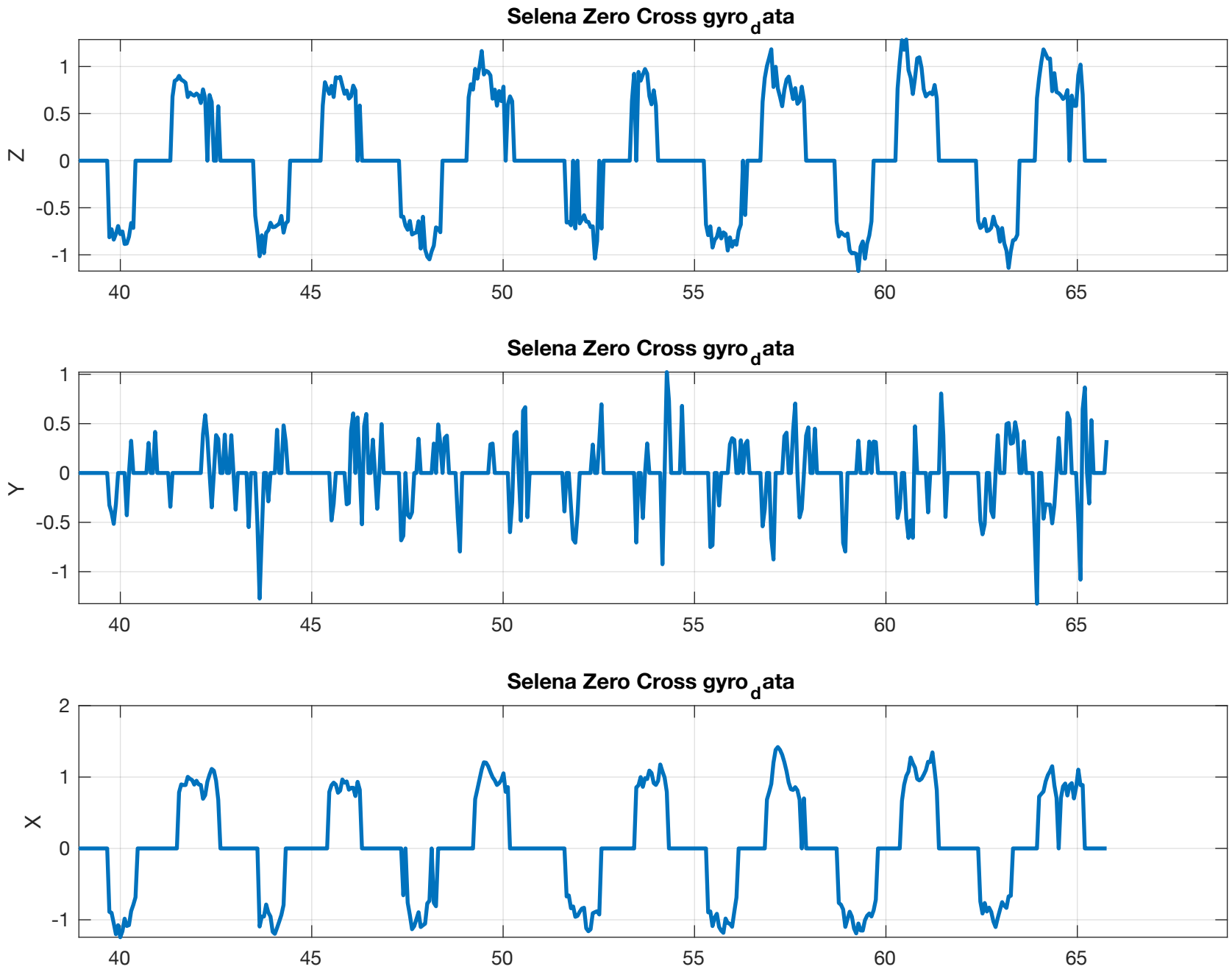

Selena bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
40
45
50
55
60
65


Selena Zero Cross bar_data
Relative Altitude
1.5
1
0.5
0
-0.5
-1
-1.5
-2
40
45
50
55
60
65

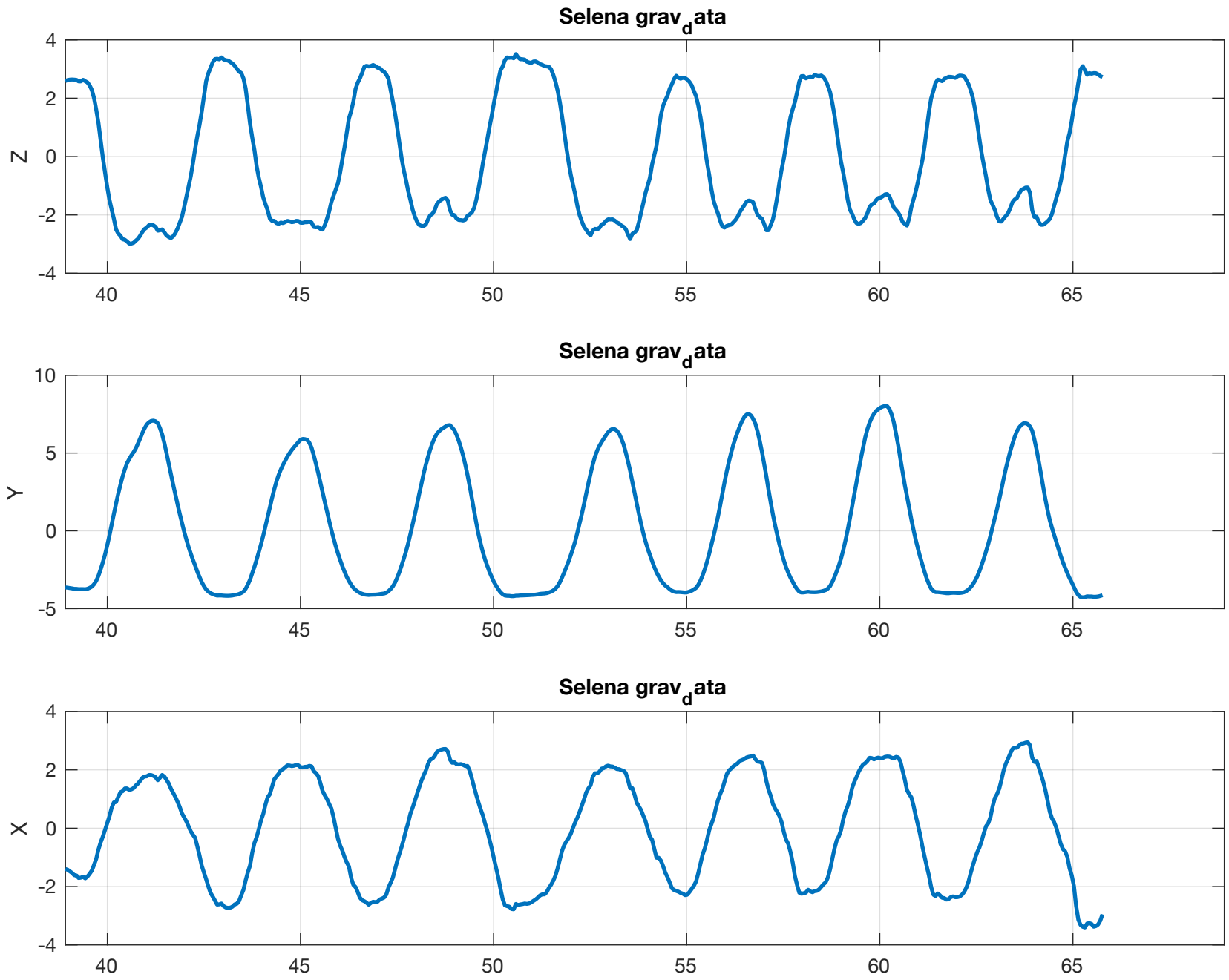

Selena Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
40
45
50
55
60
65

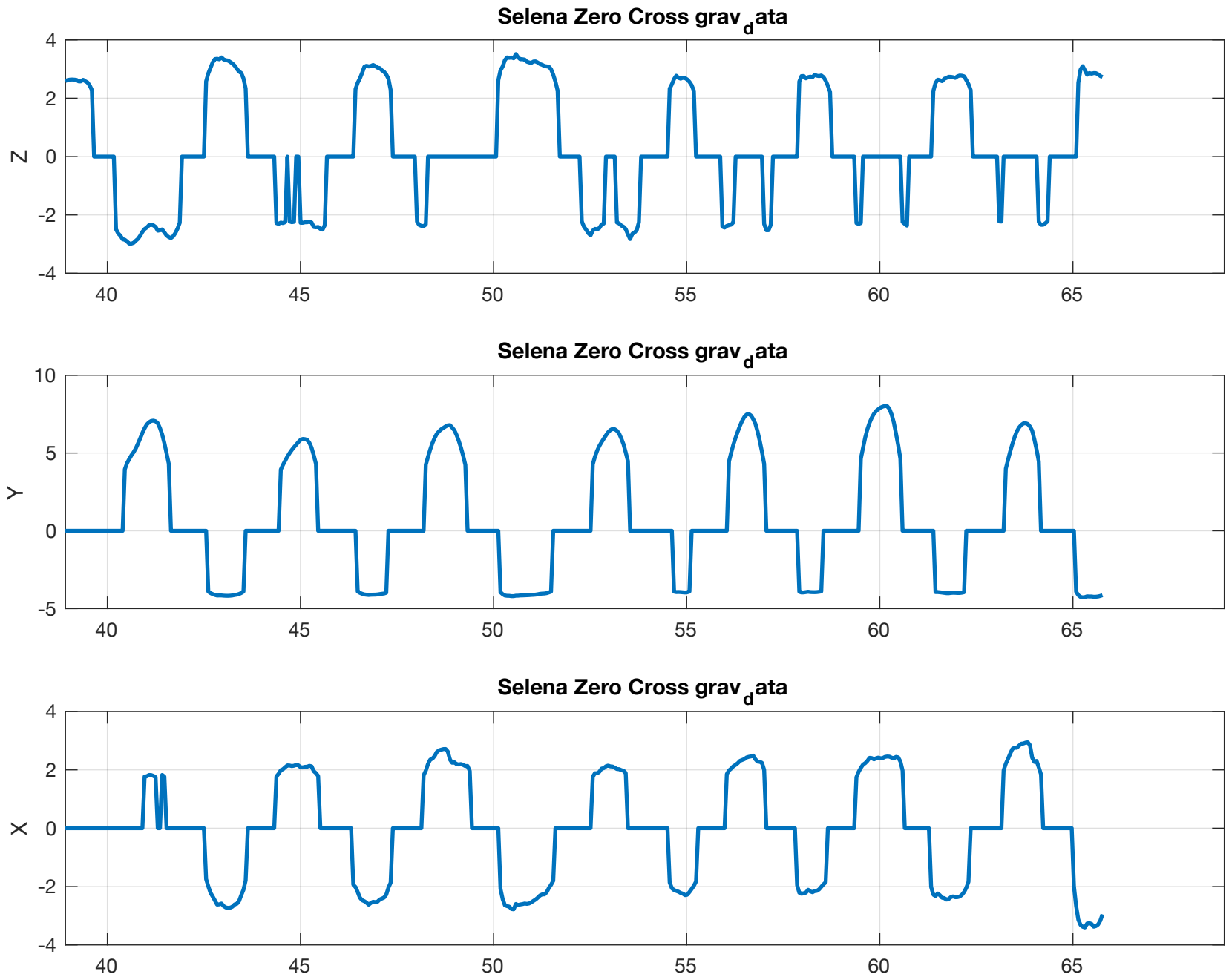
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-37.000	-18.000	1.000	0.000	"bar_data"
"Pressure"	-89.000	-48.000	-4.000	0.000	"bar_data"


Selena gyro_data
Z
1
0.5
0
-0.5
-1
40
45
50
55
60
65
Selena gyro_data
Y
1
0.5
0
-0.5
-1
40
45
50
55
60
65
Selena gyro_data
X
2
1
0
-1
40
45
50
55
60
65

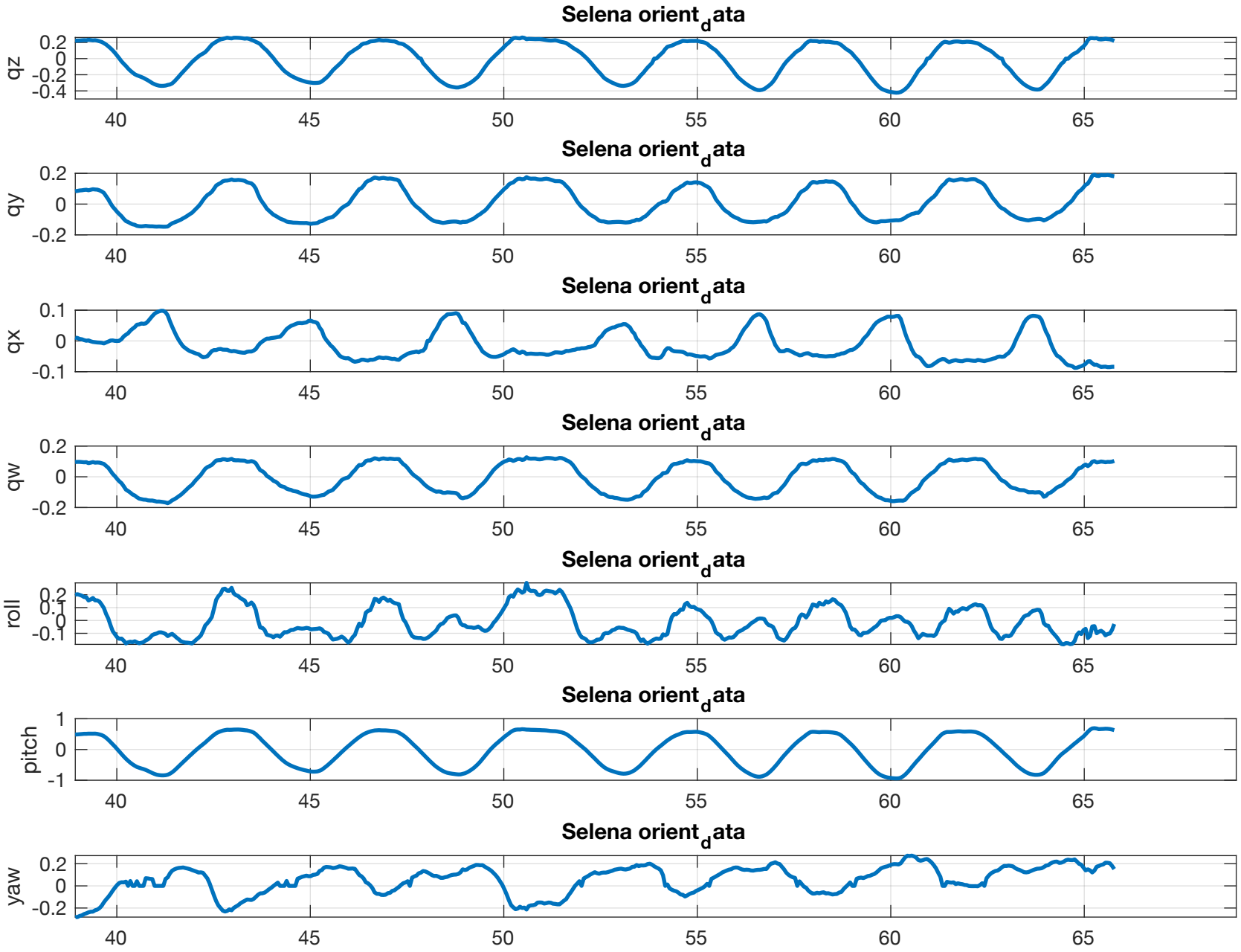

Selena Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
40
45
50
55
60
65
Selena Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
40
45
50
55
60
65
Selena Zero Cross gyro_data
X
2
1
0
-1
40
45
50
55
60
65

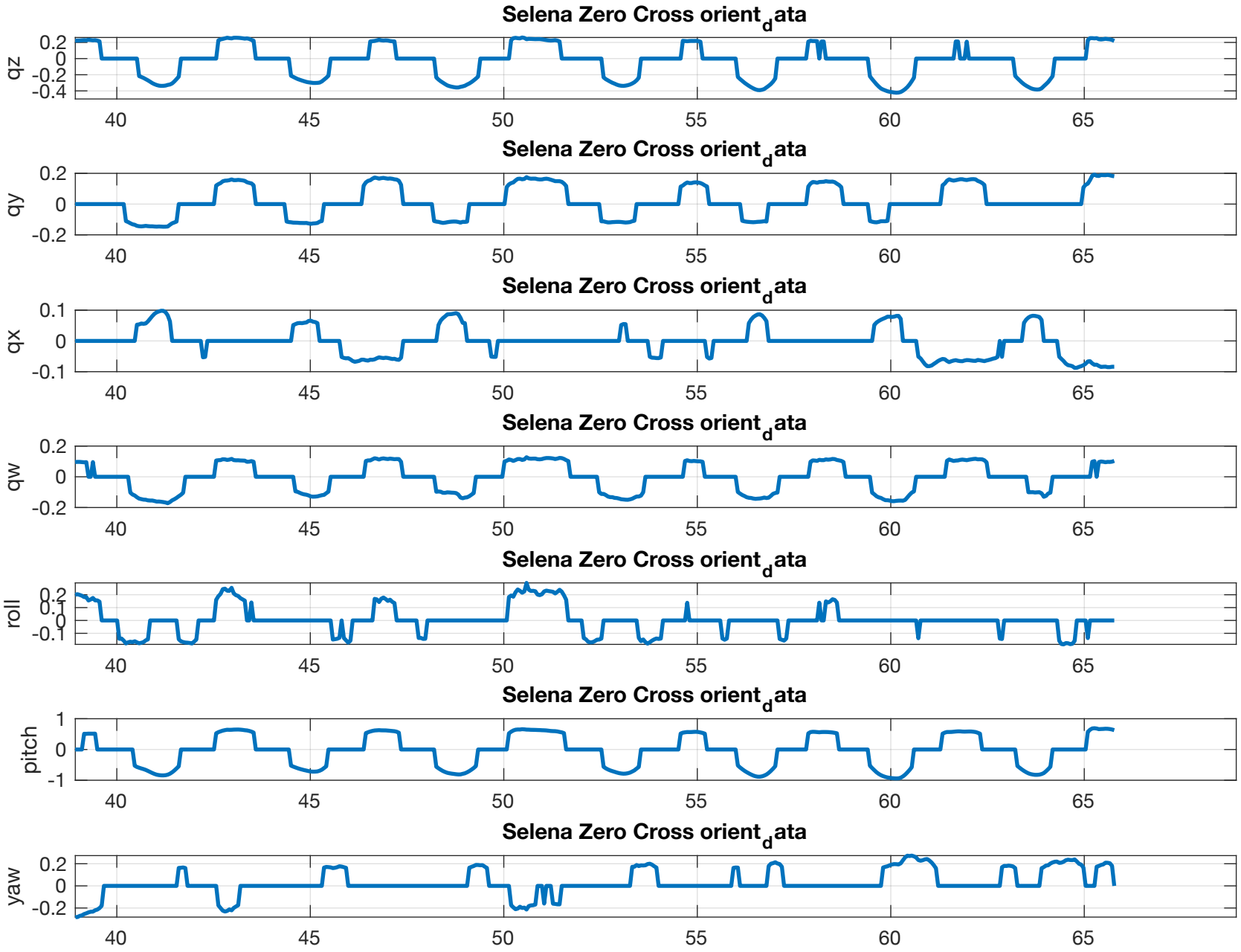
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-152.000	-80.000	-14.000	-5.500	"gyro_data"
'Y'	-160.000	-133.000	-30.000	-39.750	"gyro_data"
'X'	-113.000	-59.000	-9.000	-2.000	"gyro_data"


Selena grav_data
Z
4
2
0
-2
-4
40
45
50
55
60
65
Selena grav_data
Y
10
5
0
-5
40
45
50
55
60
65
Selena grav_data
X
4
2
0
-2
-4
40
45
50
55
60
65


Selena Zero Cross grav_data
Z
4
2
0
-2
-4
40
45
50
55
60
65
Selena Zero Cross grav_data
Y
10
5
0
-5
40
45
50
55
60
65
Selena Zero Cross grav_data
X
4
2
0
-2
-4
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-37.000	-19.000	-2.000	-2.250	"grav_data"
'Y'	-11.000	1.000	4.000	1.750	"grav_data"
'X'	-35.000	-18.000	1.000	1.250	"grav_data"


Selena orientdata
qz
0.2
0
-0.2
-0.4
40
45
50
55
60
65
Selena orientdata
qy
0.2
0
-0.2
40
45
50
55
60
65
Selena orientdata
qx
0.1
0
-0.1
40
45
50
55
60
65
Selena orientdata
qw
0.2
0
-0.2
40
45
50
55
60
65
Selena orientdata
roll
0.2
0.1
0
-0.1
40
45
50
55
60
65
Selena orientdata
pitch
1
0
-1
40
45
50
55
60
65
Selena orientdata
yaw
0.2
0
-0.2
40
45
50
55
60
65


Selena Zero Cross orientdata
qz
0.2
0
-0.2
-0.4
40
45
50
55
60
65
Selena Zero Cross orientdata
qy
0.2
0
-0.2
40
45
50
55
60
65
Selena Zero Cross orientdata
qx
0.1
0
-0.1
40
45
50
55
60
65
Selena Zero Cross orientdata
qw
0.2
0
-0.2
40
45
50
55
60
65
Selena Zero Cross orientdata
roll
0.2
0.1
0
-0.1
40
45
50
55
60
65
Selena Zero Cross orientdata
pitch
1
0
-1
40
45
50
55
60
65
Selena Zero Cross orientdata
yaw
0.2
0
-0.2
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-27.000	-24.000	3.000	0.250	"orient_data"
'qy'	-40.000	-23.000	-1.000	2.250	"orient_data"
'qx'	-52.000	-18.000	1.000	1.750	"orient_data"
'qw'	-46.000	-36.000	-3.000	-1.250	"orient_data"
'roll'	-69.000	-31.000	-4.000	-2.500	"orient_data"
'pitch'	-13.000	-13.000	3.000	0.750	"orient_data"
'yaw'	-67.000	-41.000	-3.000	1.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'double_findpeaks'	40.000
'bar_data'	"Relative Altitude"	'zero_cross'	0.000
'gyro_data'	"X"	'zero_cross'	2.000
'grav_data'	"Y"	'findpeaks_above_zero'	1.000
'orient_data'	"qz"	'zero_cross'	0.250