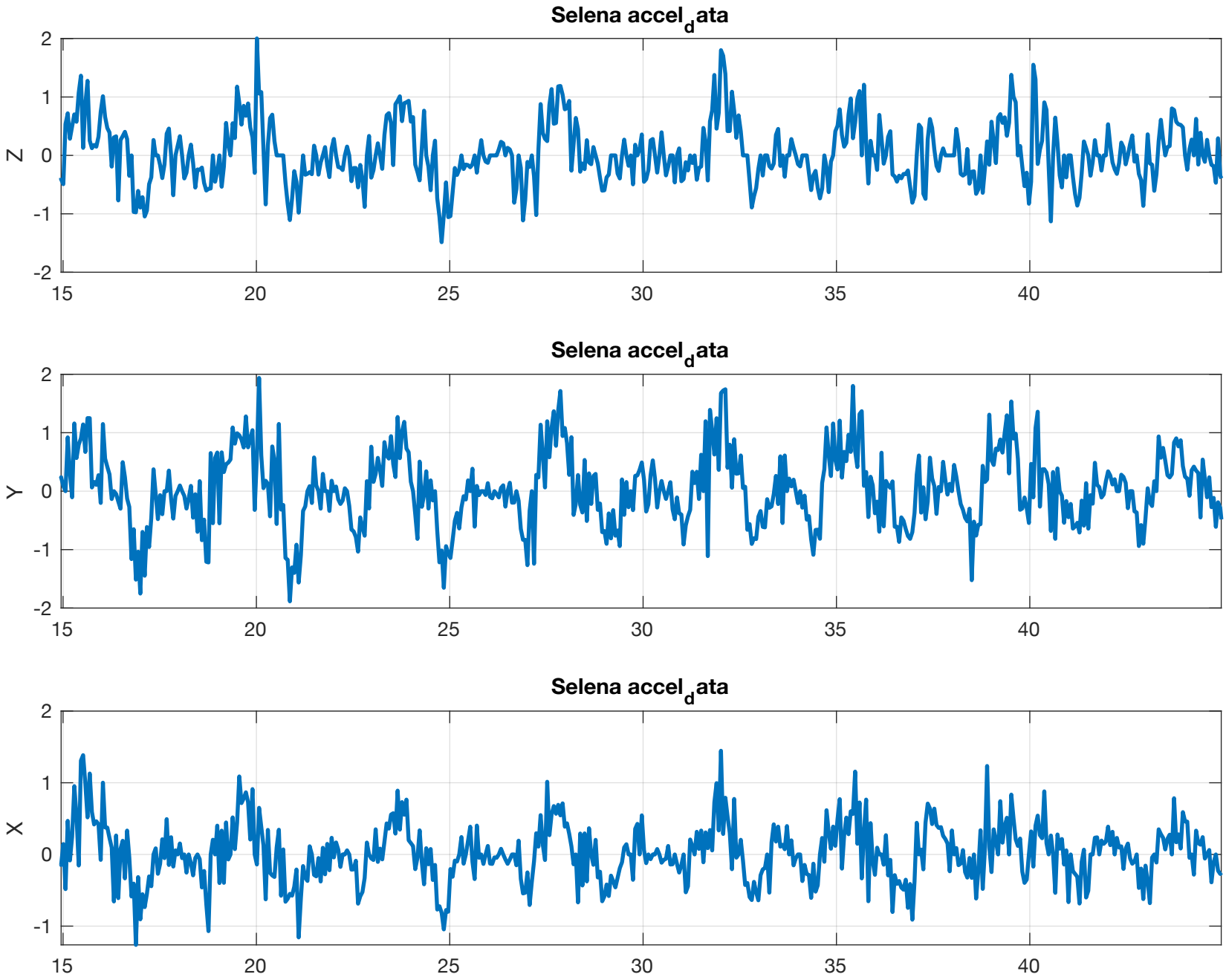
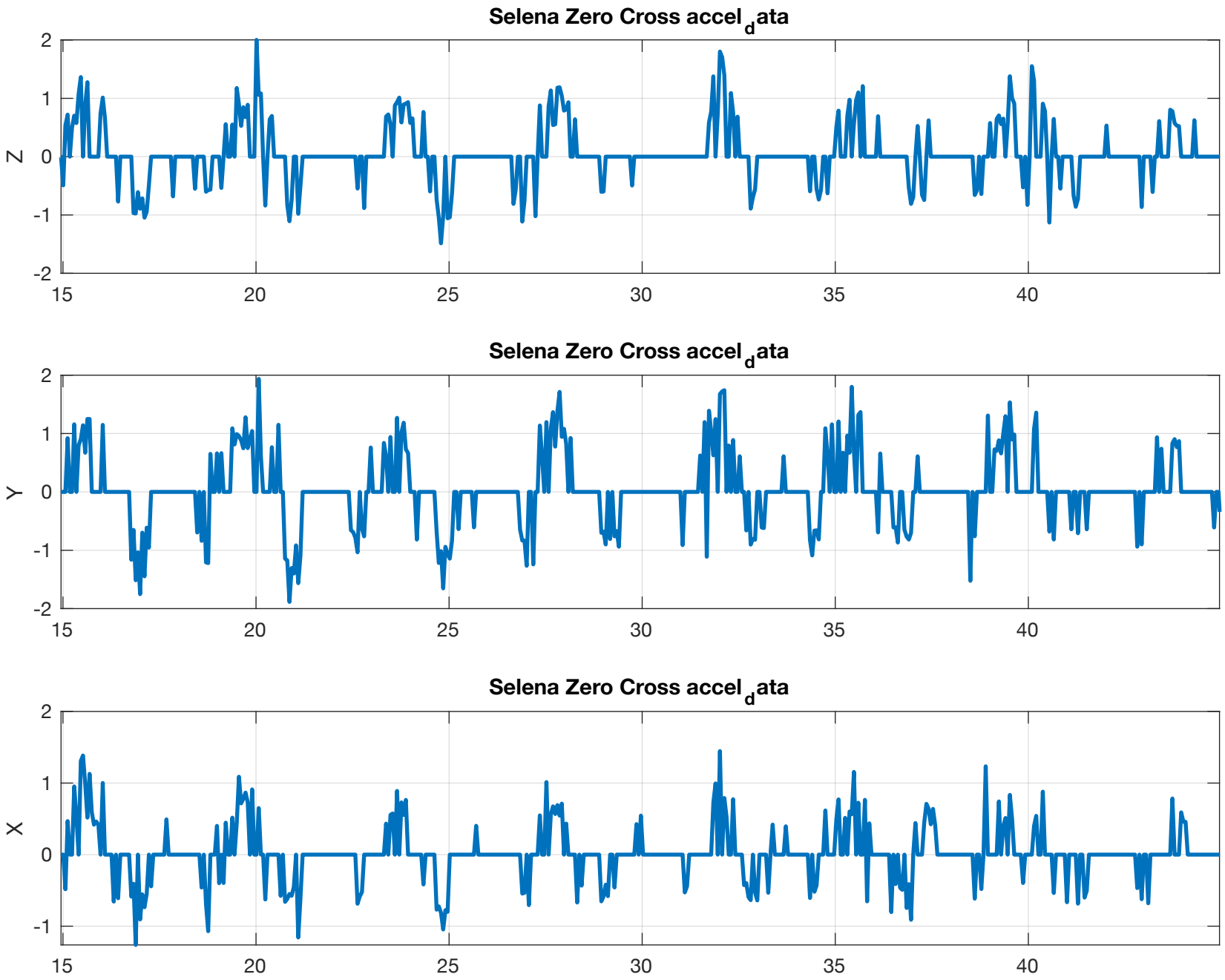
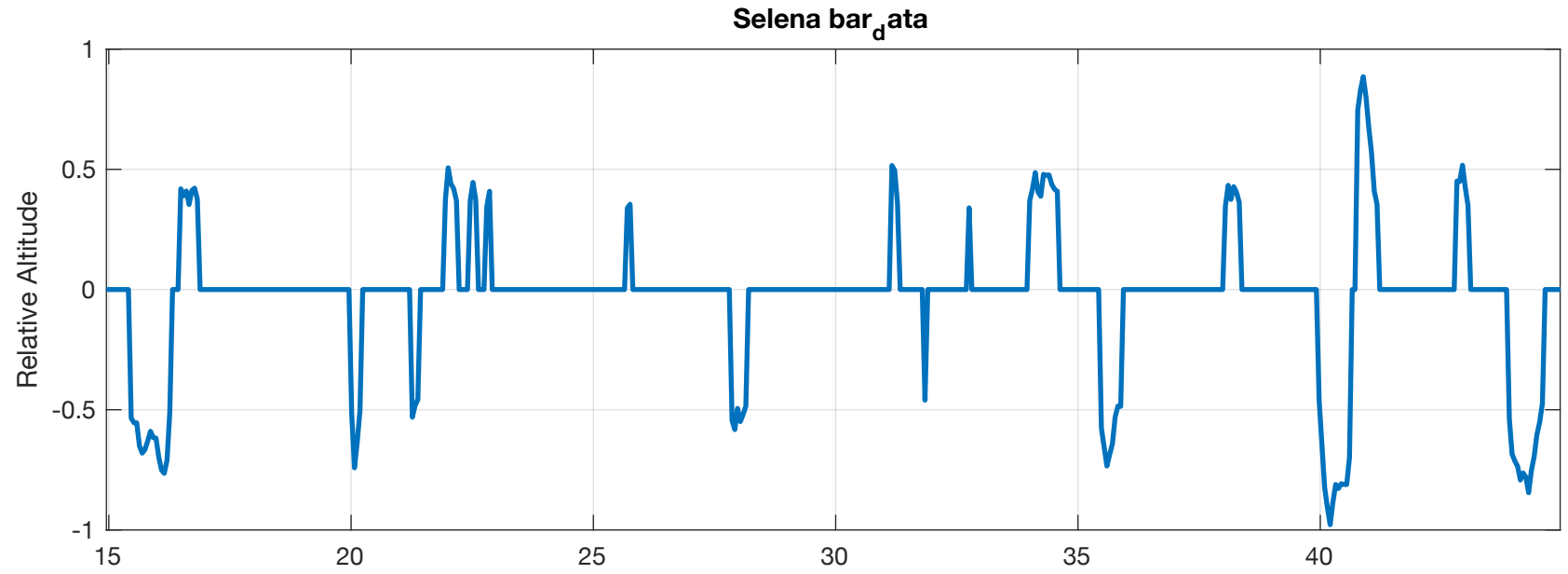
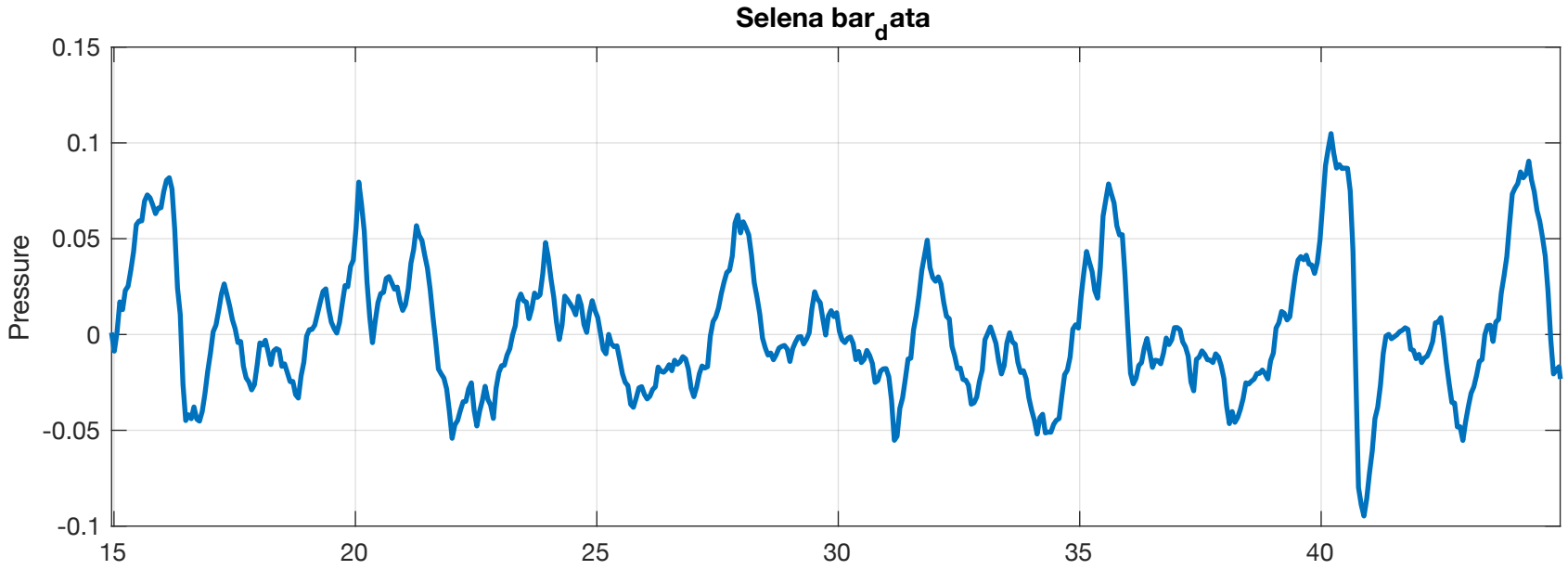
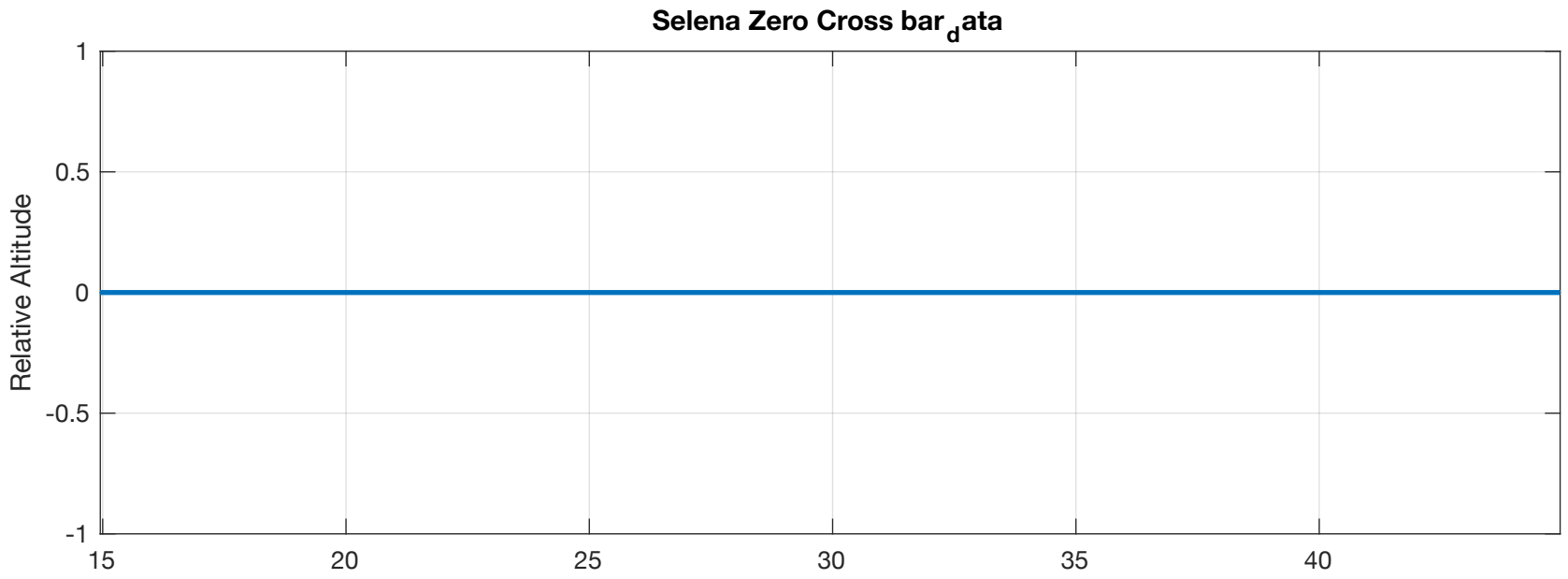

Selena accel_data
Z
2
1
0
-1
-2
15
20
25
30
35
40
Selena accel_data
Y
2
1
0
-1
-2
15
20
25
30
35
40
Selena accel_data
X
2
1
0
-1
15
20
25
30
35
40

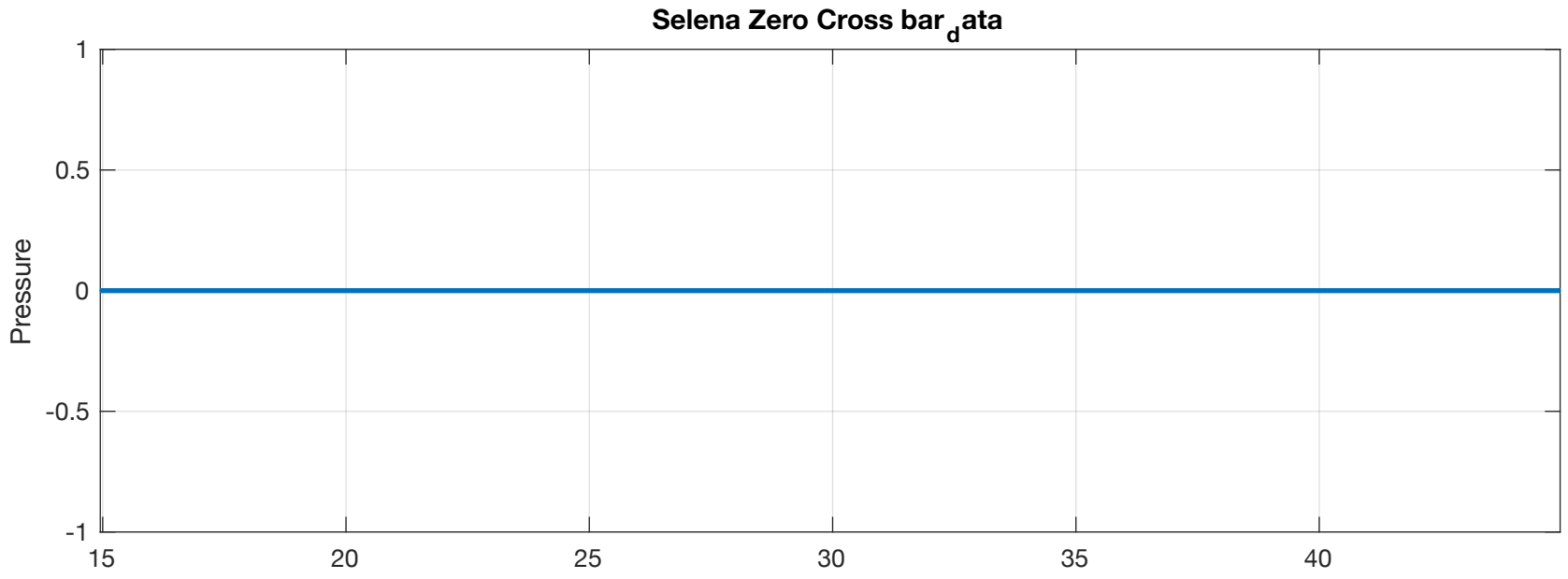

Selena Zero Cross accel_data
Z
2
1
0
-1
-2
15
20
25
30
35
40
Selena Zero Cross accel_data
Y
2
1
0
-1
-2
15
20
25
30
35
40
Selena Zero Cross accel_data
X
2
1
0
-1
15
20
25
30
35
40

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-174.000	-120.000	-39.000	-41.000	"accel_data"
'Y'	-246.000	-167.000	-55.000	-45.500	"accel_data"
'X'	-248.000	-169.000	-54.000	-51.000	"accel_data"

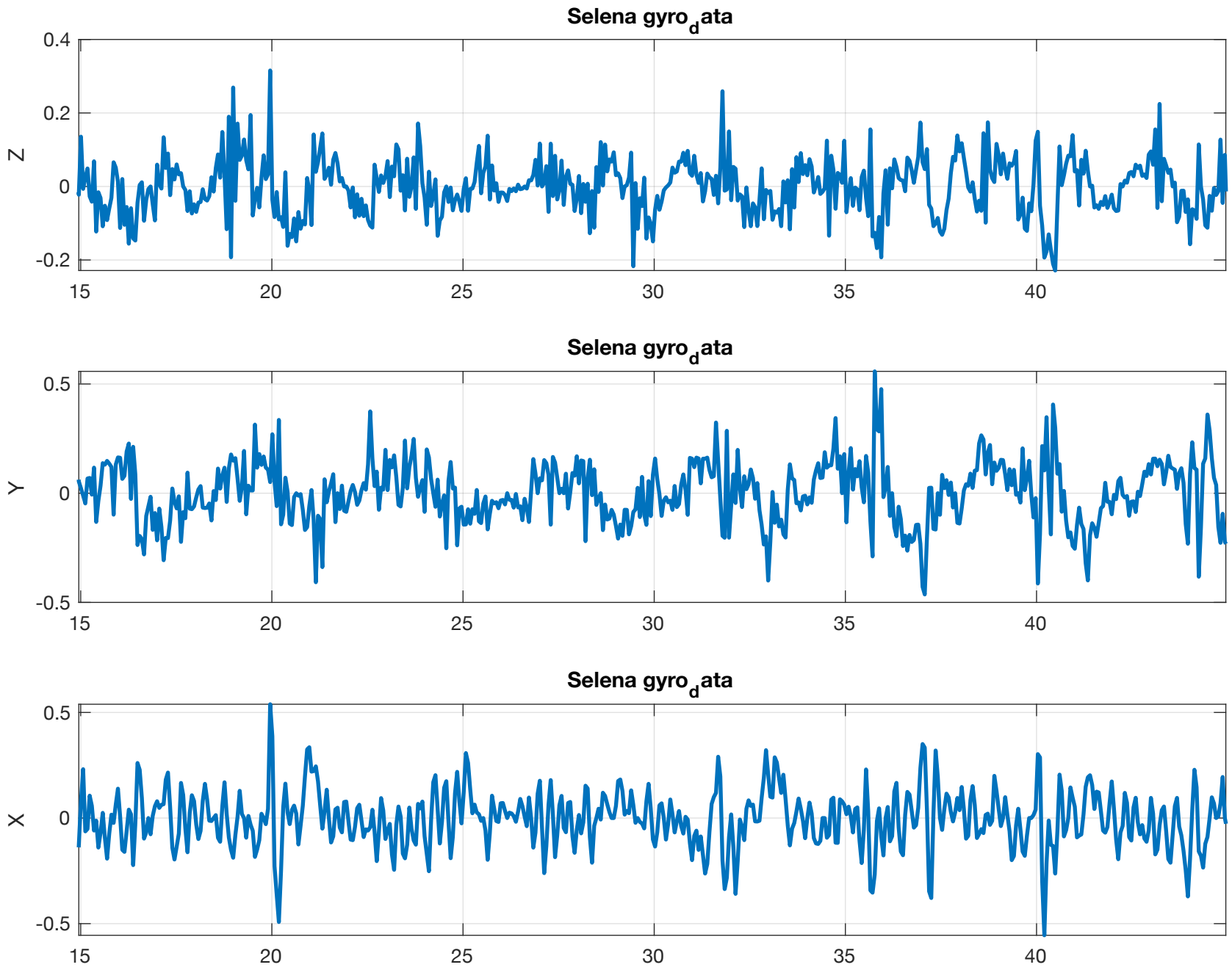

Selena bar_data
Relative Altitude
1
0.5
0
-0.5
-1
15
20
25
30
35
40

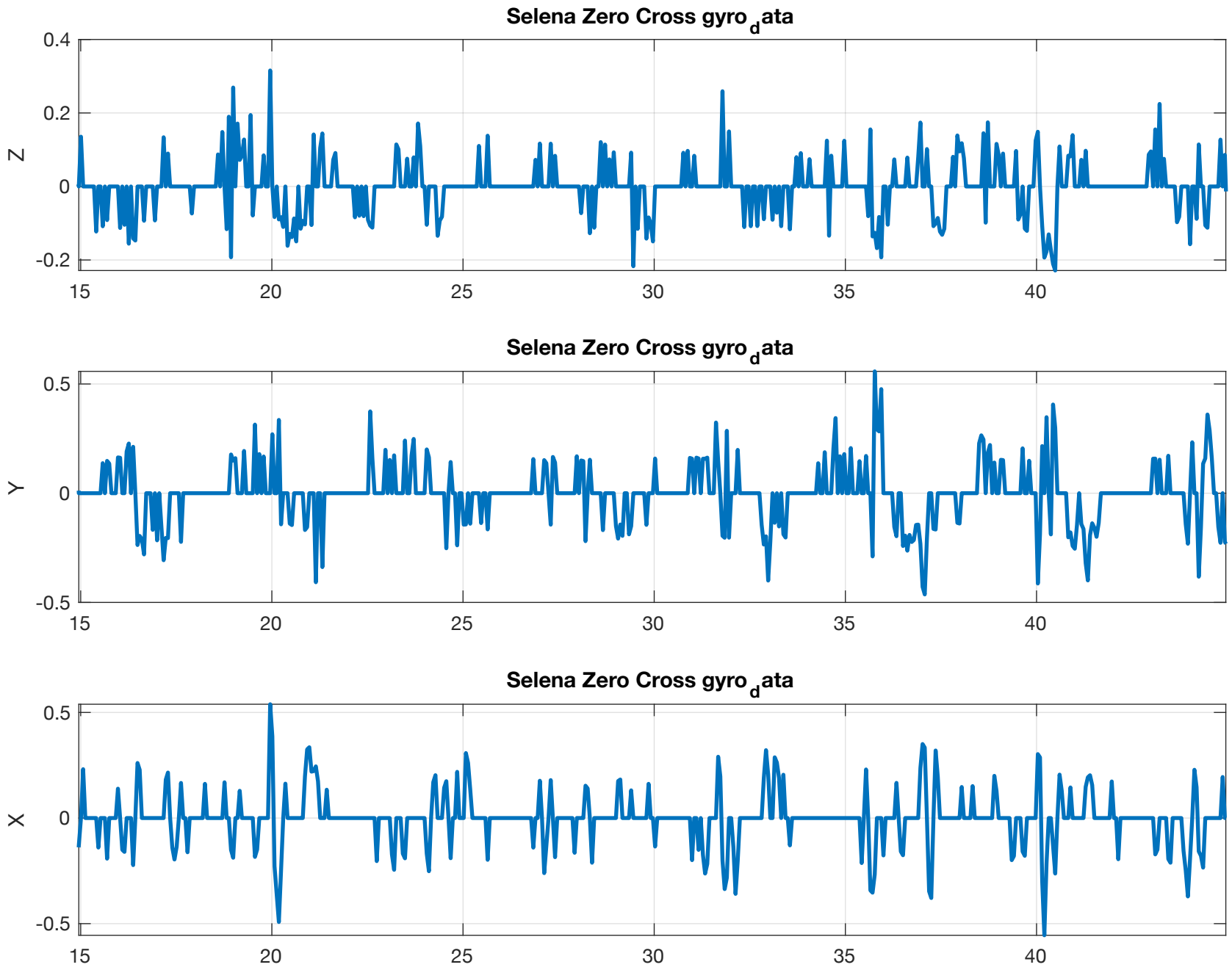

Selena bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
15
20
25
30
35
40


Selena Zero Cross bar_data
Relative Altitude
1
0.5
0
-0.5
-1
15
20
25
30
35
40

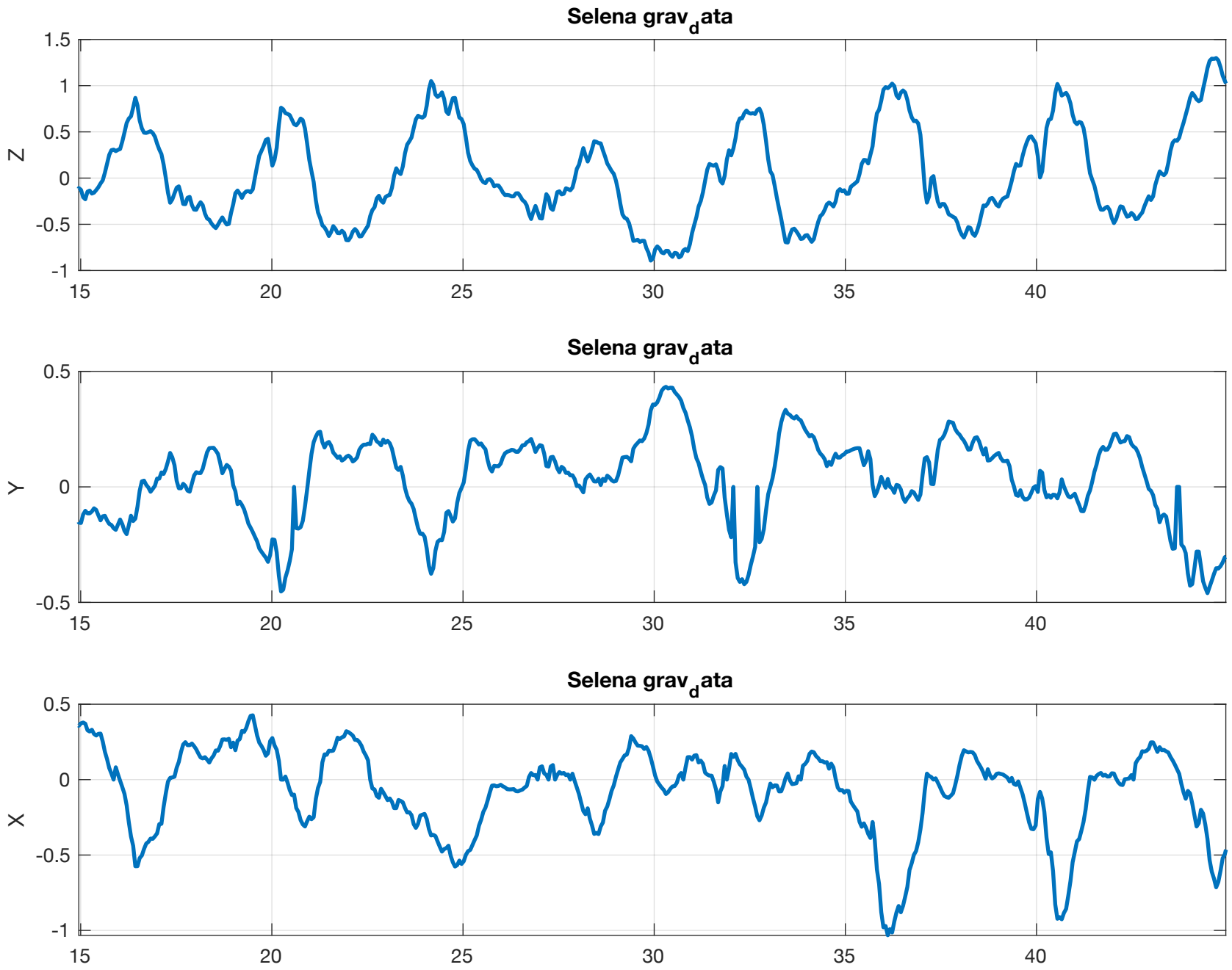

Selena Zero Cross bar_data
Pressure
1
0.5
0
-0.5
-1
15
20
25
30
35
40

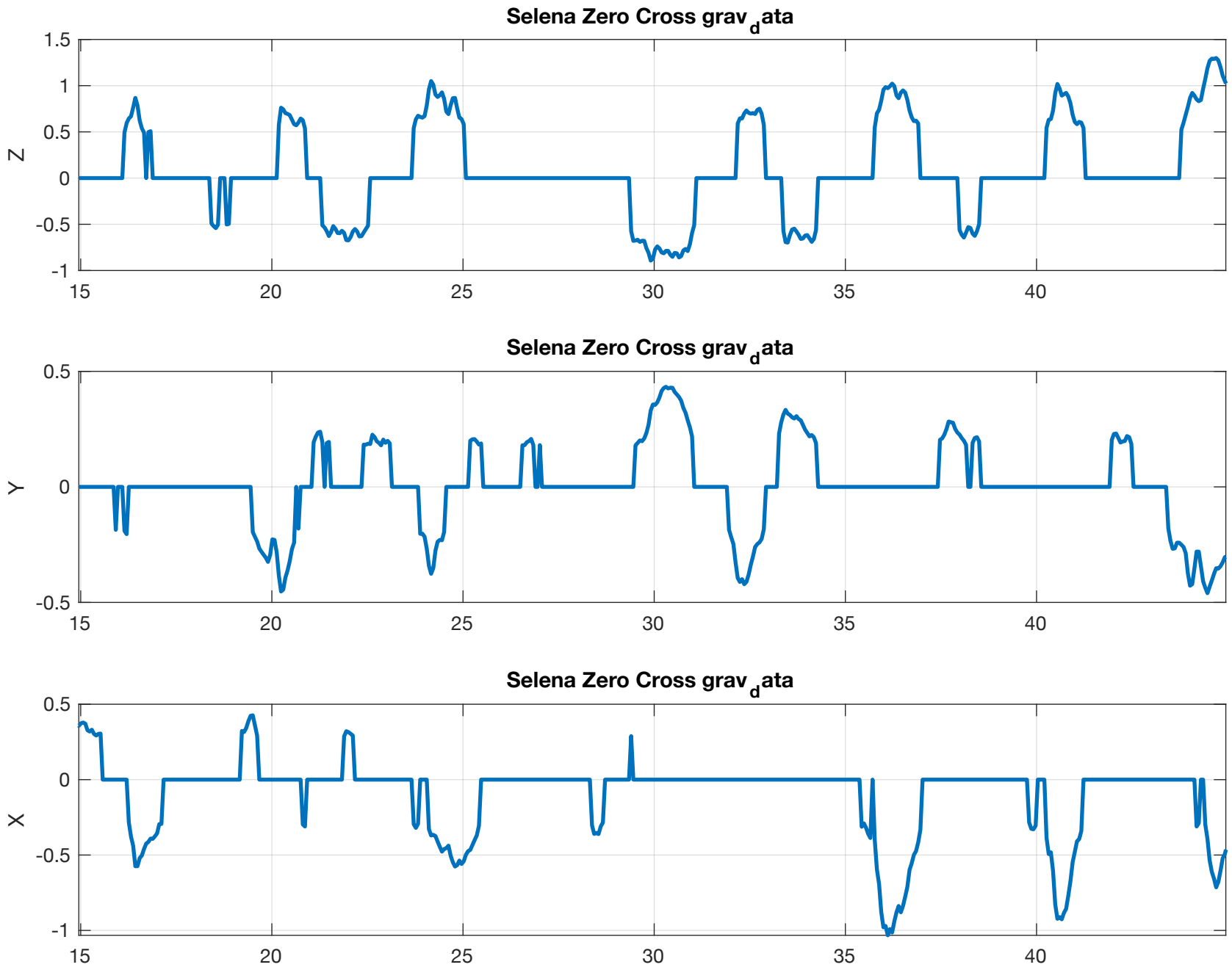
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-29.000	-18.000	-2.000	10.000	"bar_data"
"Pressure"	-112.000	-48.000	-10.000	10.000	"bar_data"


Selena gyro_data
Z
0.4
0.2
0
-0.2
15
20
25
30
35
40
Selena gyro_data
Y
0.5
0
-0.5
15
20
25
30
35
40
Selena gyro_data
X
0.5
0
-0.5
15
20
25
30
35
40

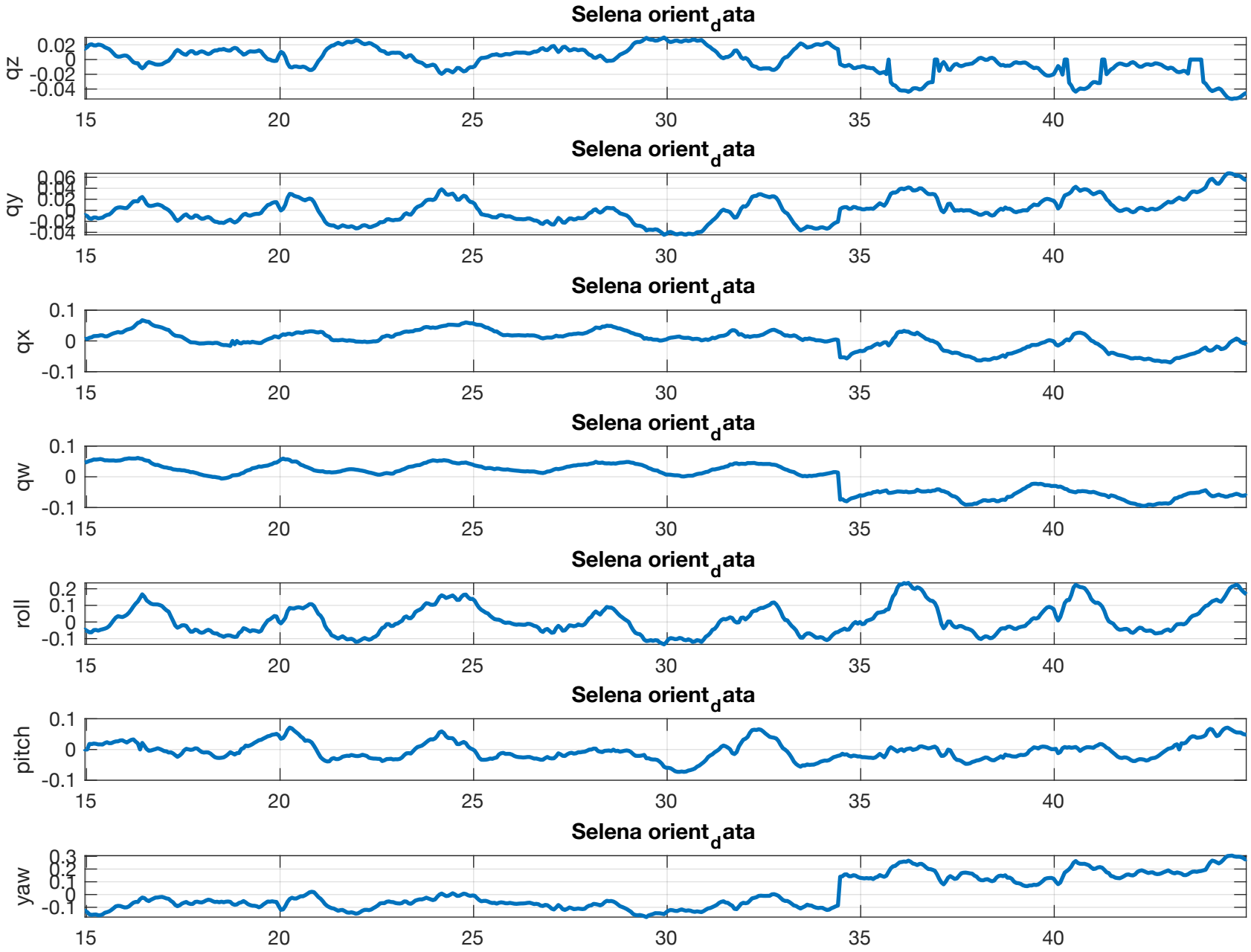

Selena Zero Cross gyro_data
Z
0.4
0.2
0
-0.2
15
20
25
30
35
40
Selena Zero Cross gyro_data
Y
0.5
0
-0.5
15
20
25
30
35
40
Selena Zero Cross gyro_data
X
0.5
0
-0.5
15
20
25
30
35
40

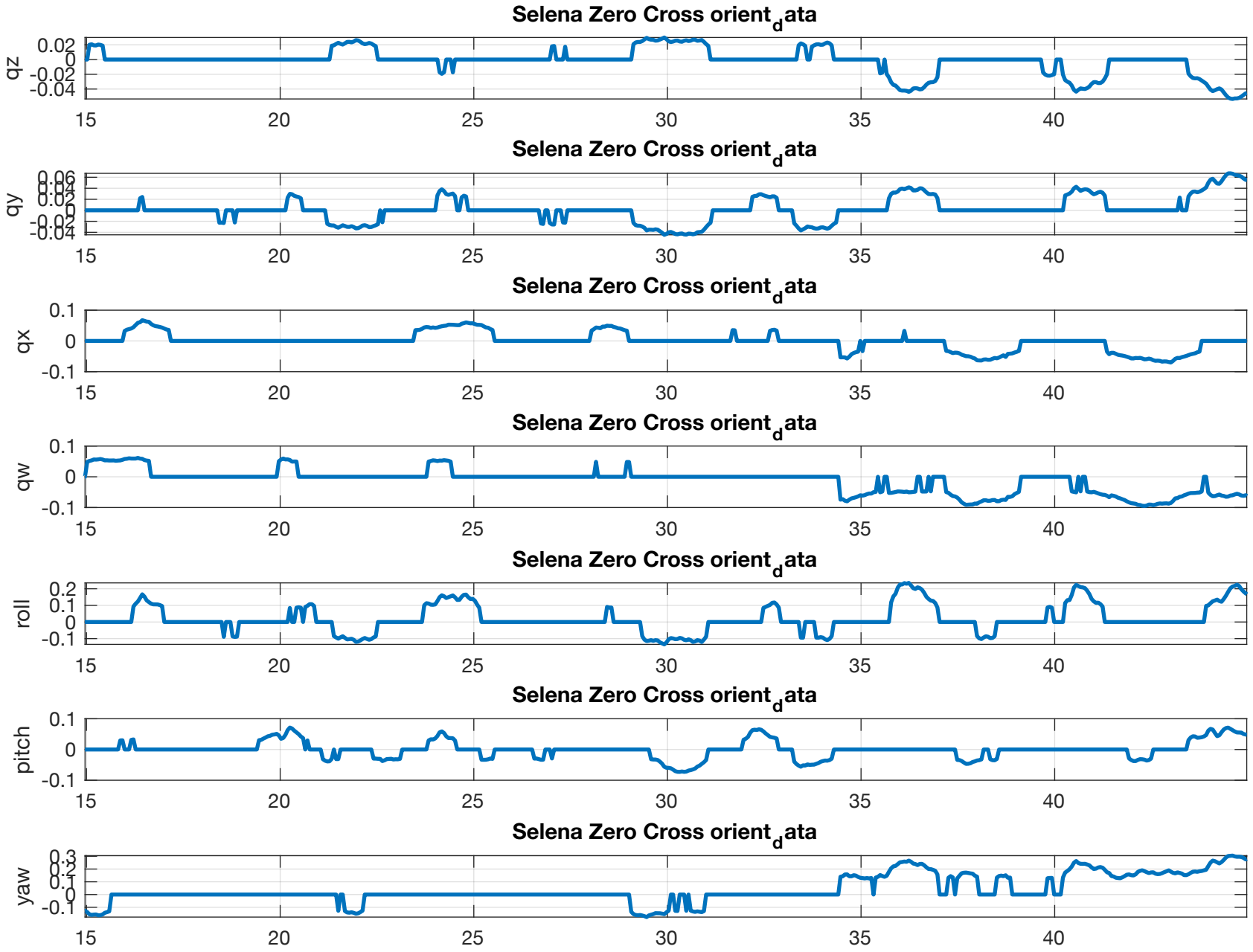
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-258.000	-182.000	-55.000	-68.250	"gyro_data"
'Y'	-231.000	-165.000	-51.000	-55.500	"gyro_data"
'X'	-150.000	-133.000	-37.000	-51.000	"gyro_data"


Selena grav_data
Z
1.5
1
0.5
0
-0.5
-1
15
20
25
30
35
40
Selena grav_data
Y
0.5
0
-0.5
15
20
25
30
35
40
Selena grav_data
X
0.5
0
-0.5
-1
15
20
25
30
35
40


Selena Zero Cross grav_data
Z
1.5
1
0.5
0
-0.5
-1
15
20
25
30
35
40
Selena Zero Cross grav_data
Y
0.5
0
-0.5
15
20
25
30
35
40
Selena Zero Cross grav_data
X
0.5
0
-0.5
-1
15
20
25
30
35
40

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-100.000	-40.000	-3.000	-0.250	"grav_data"
'Y'	-109.000	-68.000	-10.000	-1.500	"grav_data"
'X'	-115.000	-78.000	-18.000	1.250	"grav_data"


Selena orientdata
qz
0.02
0
-0.02
-0.04
15
20
25
30
35
40
Selena orientdata
qy
0.06
0.04
0.02
0
-0.02
-0.04
15
20
25
30
35
40
Selena orientdata
qx
0.1
0
-0.1
15
20
25
30
35
40
Selena orientdata
qw
0.1
0
-0.1
15
20
25
30
35
40
Selena orientdata
roll
0.2
0.1
0
-0.1
15
20
25
30
35
40
Selena orientdata
pitch
0.1
0
-0.1
15
20
25
30
35
40
Selena orientdata
yaw
0.3
0.2
0.1
0
-0.1
15
20
25
30
35
40


Selena Zero Cross orientdata
qz
0.02
0
-0.02
-0.04
15
20
25
30
35
40
Selena Zero Cross orientdata
qy
0.06
0.04
0.02
0
-0.02
-0.04
15
20
25
30
35
40
Selena Zero Cross orientdata
qx
0.1
0
-0.1
15
20
25
30
35
40
Selena Zero Cross orientdata
qw
0.1
0
-0.1
15
20
25
30
35
40
Selena Zero Cross orientdata
roll
0.2
0.1
0
-0.1
15
20
25
30
35
40
Selena Zero Cross orientdata
pitch
0.1
0
-0.1
15
20
25
30
35
40
Selena Zero Cross orientdata
yaw
0.3
0.2
0.1
0
-0.1
15
20
25
30
35
40

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-116.000	-66.000	-11.000	-0.500	"orient_data"
'qy'	-112.000	-57.000	-7.000	-2.500	"orient_data"
'qx'	-117.000	-76.000	-12.000	3.750	"orient_data"
'qw'	-108.000	-65.000	-7.000	0.750	"orient_data"
'roll'	-98.000	-36.000	-4.000	-1.750	"orient_data"
'pitch'	-105.000	-55.000	-10.000	-1.500	"orient_data"
'yaw'	-118.000	-31.000	-2.000	2.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'double_findpeaks'	39.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	2.000
'gyro_data'	"X"	'double_findpeaks'	37.000
'grav_data'	"Z"	'zero_cross'	0.250
'orient_data'	"qz"	'zero_cross'	0.500