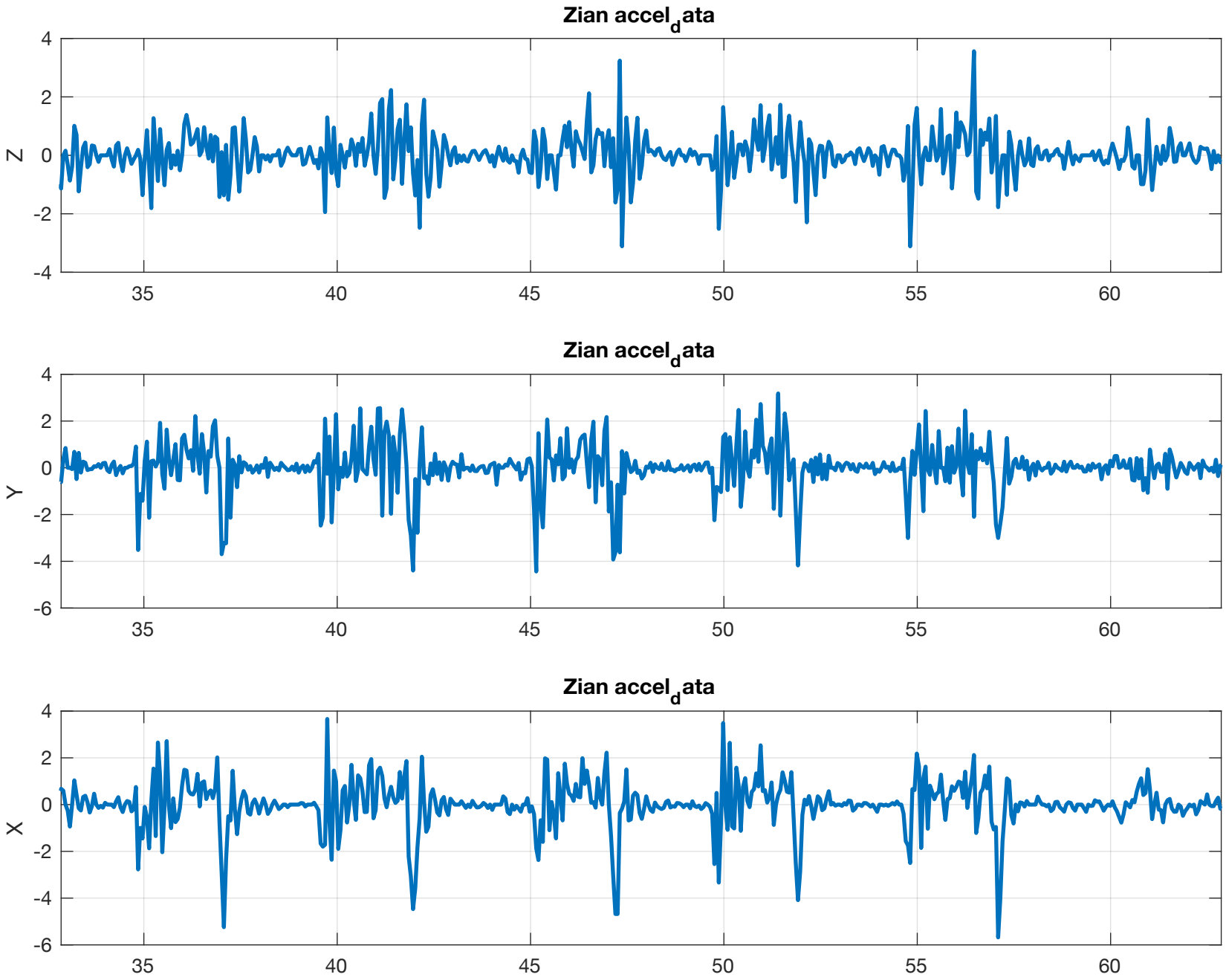
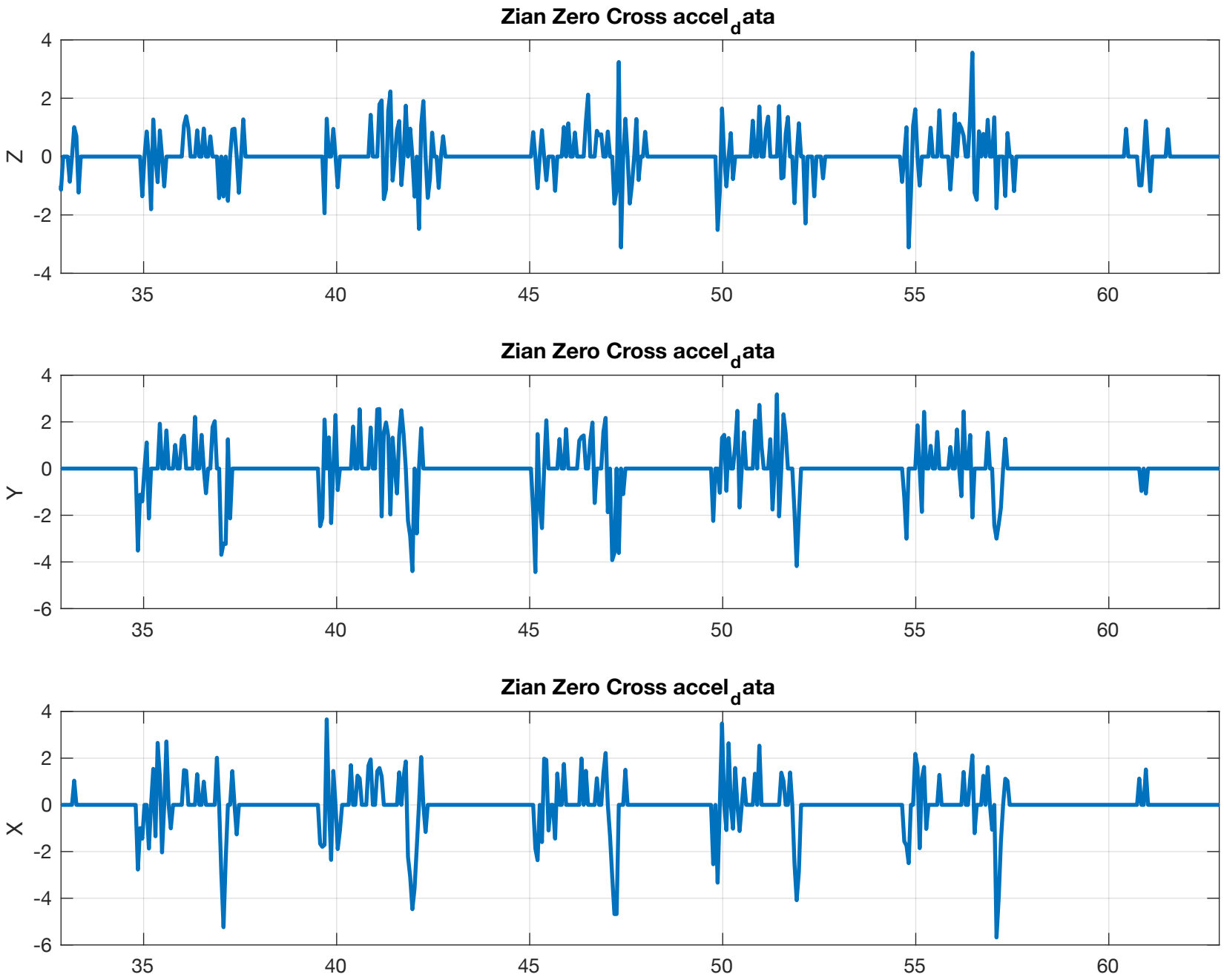
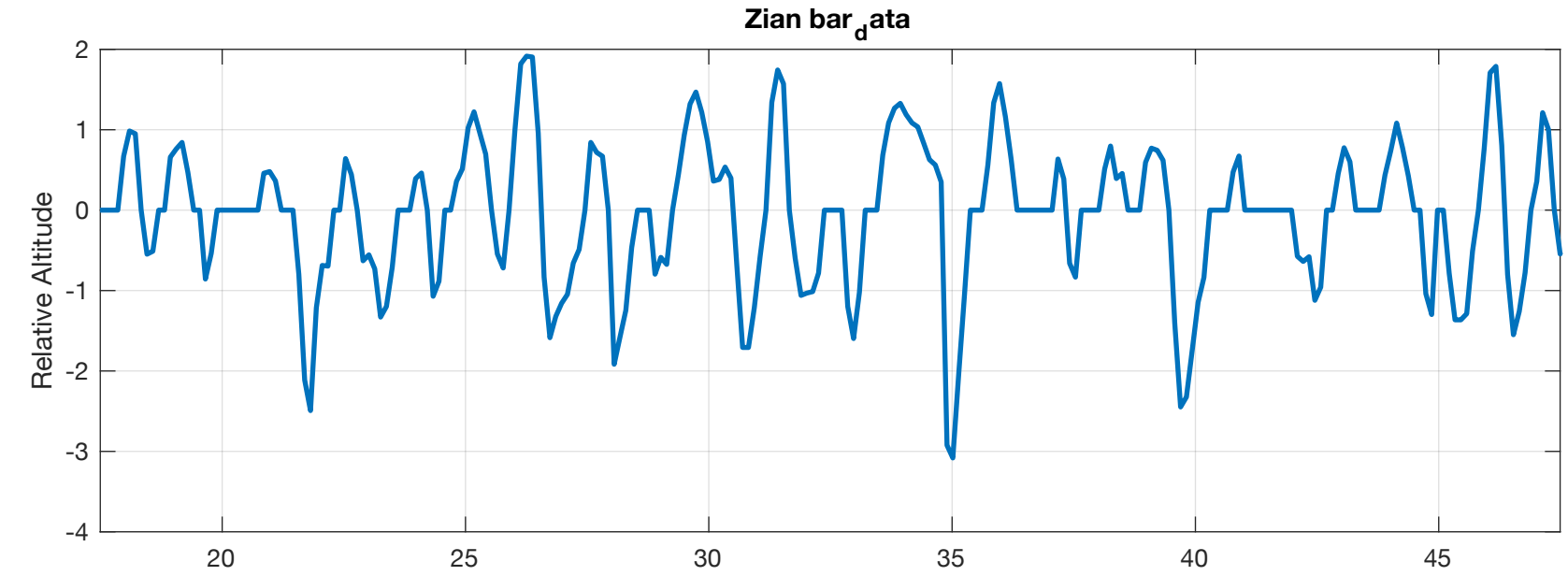
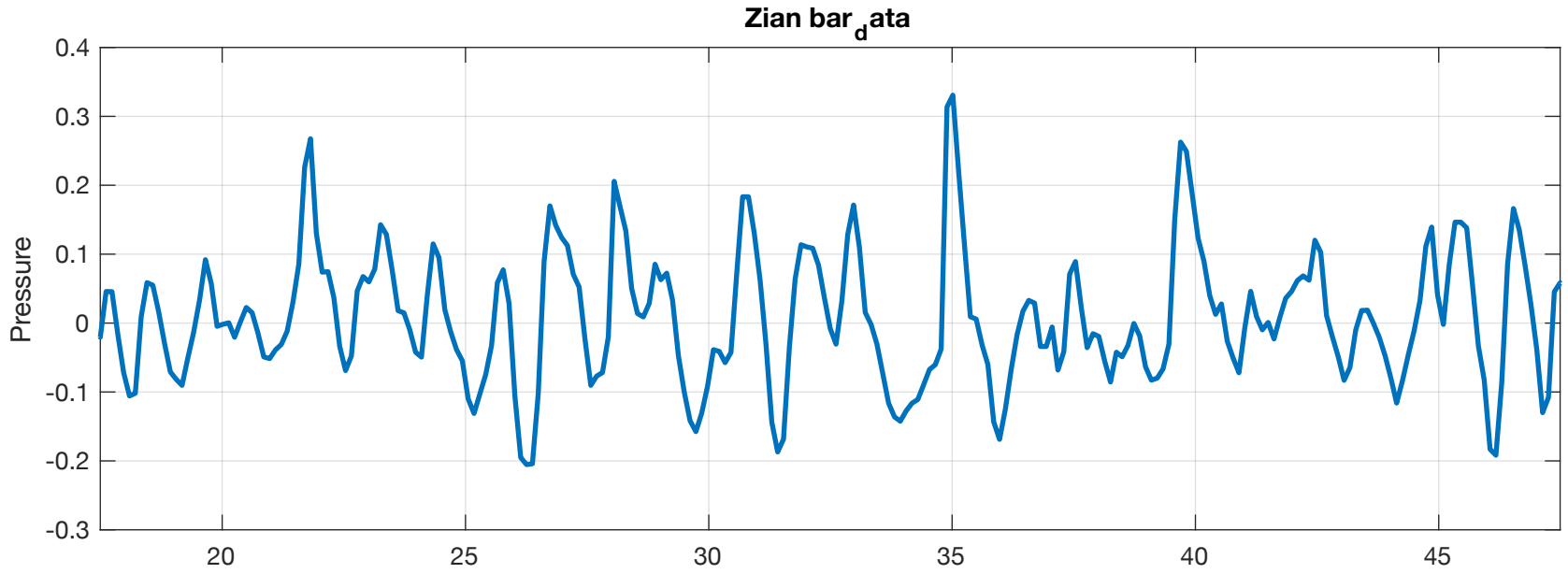
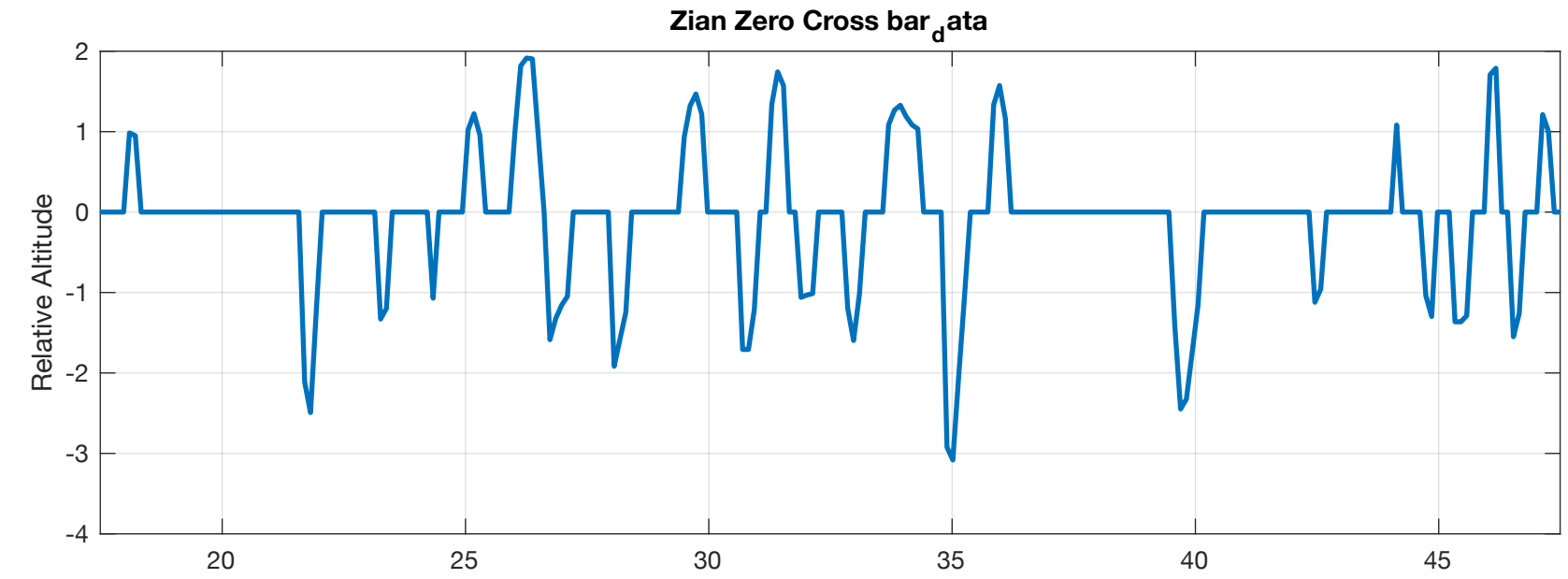

Zian accel_data
Z
4
2
0
-2
-4
35
40
45
50
55
60
Zian accel_data
Y
4
2
0
-2
-4
-6
35
40
45
50
55
60
Zian accel_data
X
4
2
0
-2
-4
-6
35
40
45
50
55
60

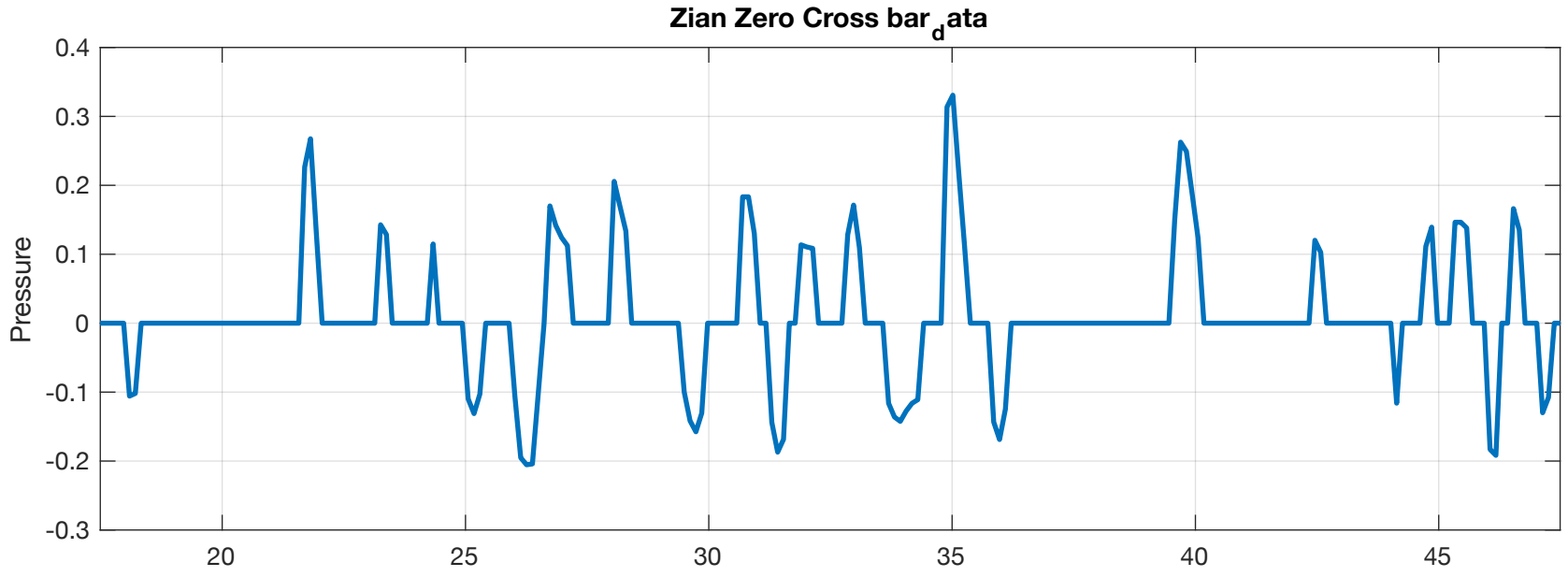

Zian Zero Cross accel_data
Z
4
2
0
-2
-4
35
40
45
50
55
60
Zian Zero Cross accel_data
Y
4
2
0
-2
-4
-6
35
40
45
50
55
60
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-224.000	-192.000	-60.000	-72.000	"accel_data"
'Y'	-267.000	-234.000	-79.000	-66.500	"accel_data"
'X'	-229.000	-181.000	-57.000	-57.000	"accel_data"

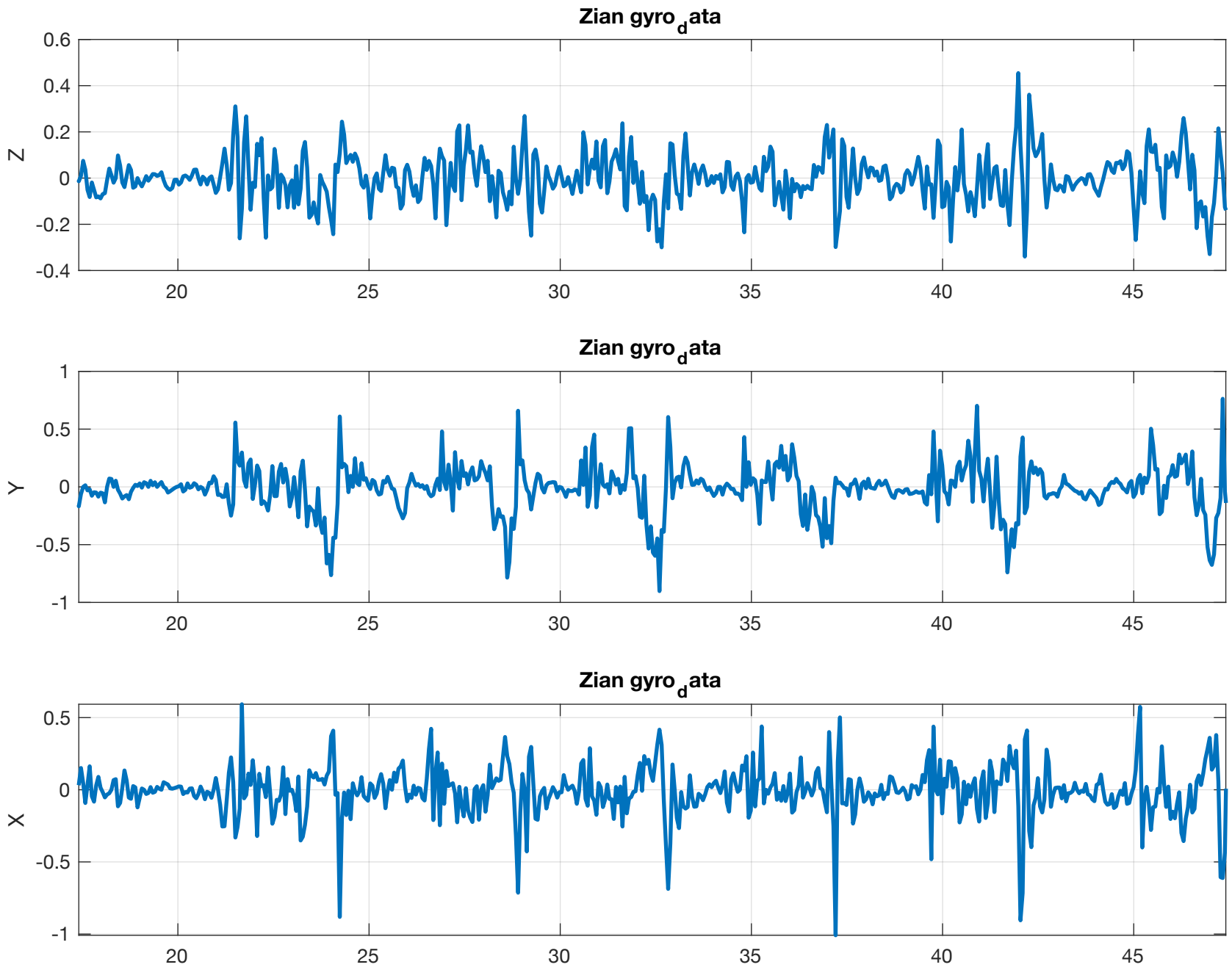

Zian bar_data
Relative Altitude
2
1
0
-1
-2
-3
-4
20
25
30
35
40
45

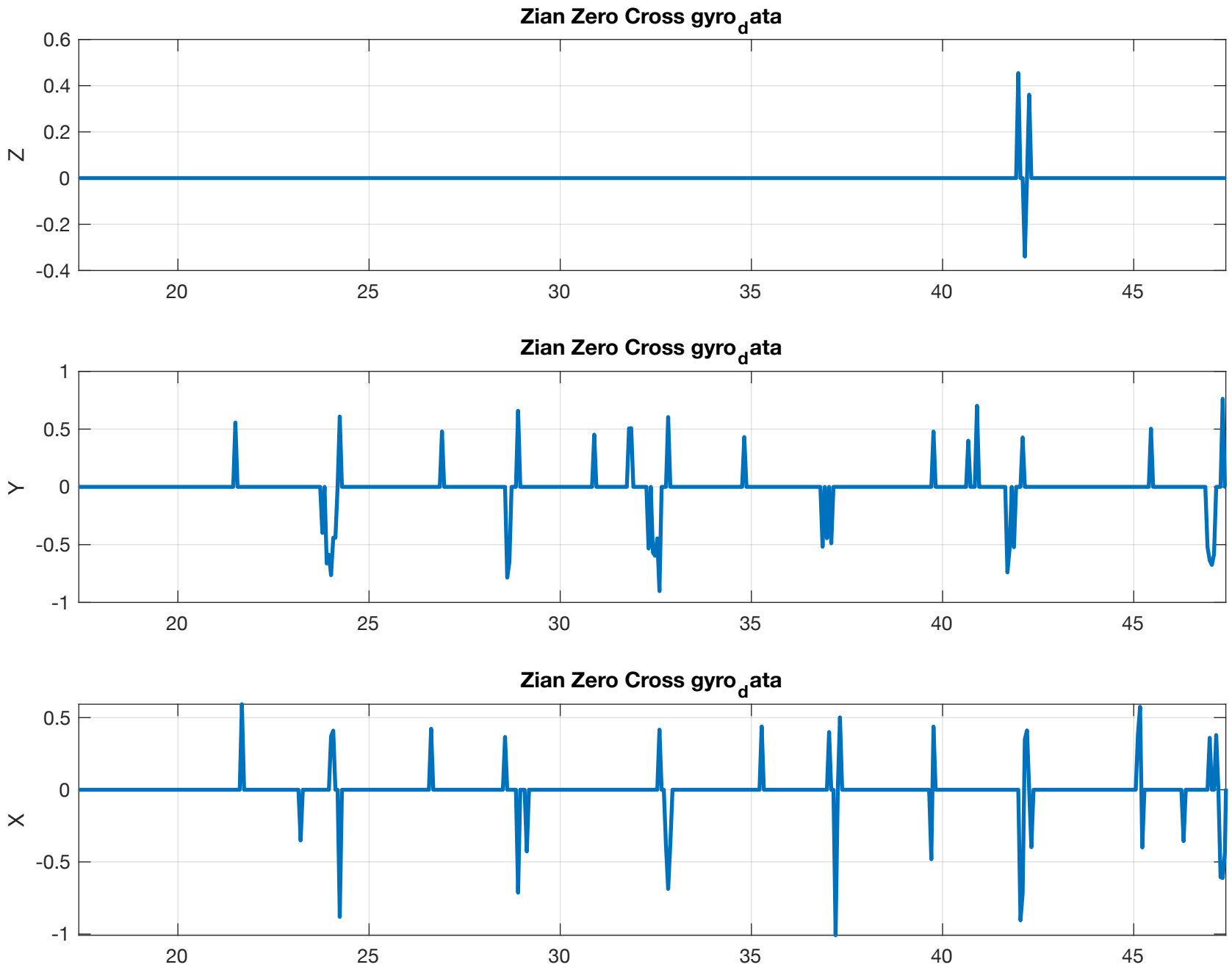

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45


Zian Zero Cross bar_data
Relative Altitude
2
1
0
-1
-2
-3
-4
20
25
30
35
40
45

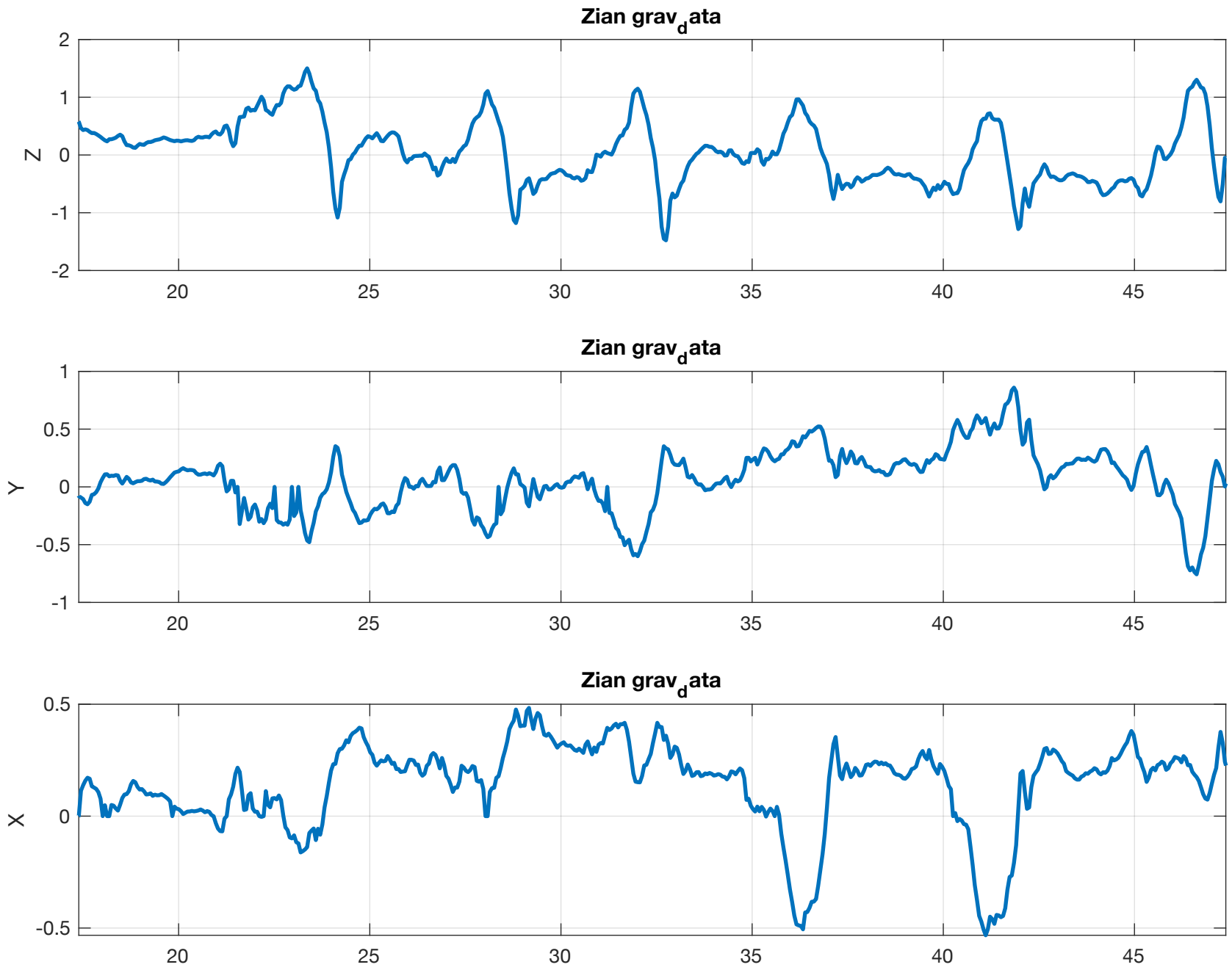

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45

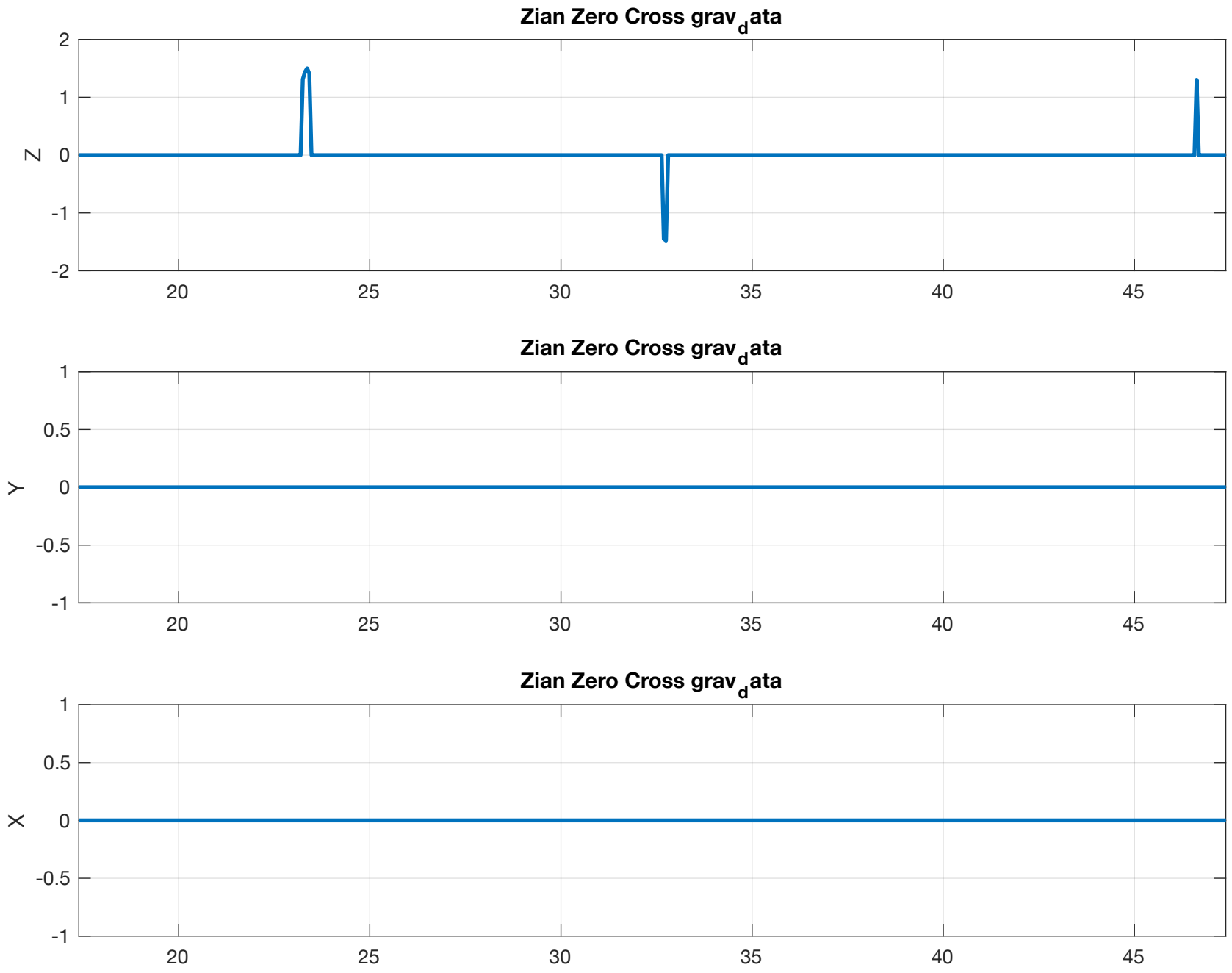
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-66.000	-48.000	-16.000	-22.000	"bar_data"
"Pressure"	-85.000	-64.000	-21.000	-22.000	"bar_data"


Zian gyro_data
Z
0.6
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45
Zian gyro_data
Y
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian gyro_data
X
0.5
0
-0.5
-1
20
25
30
35
40
45

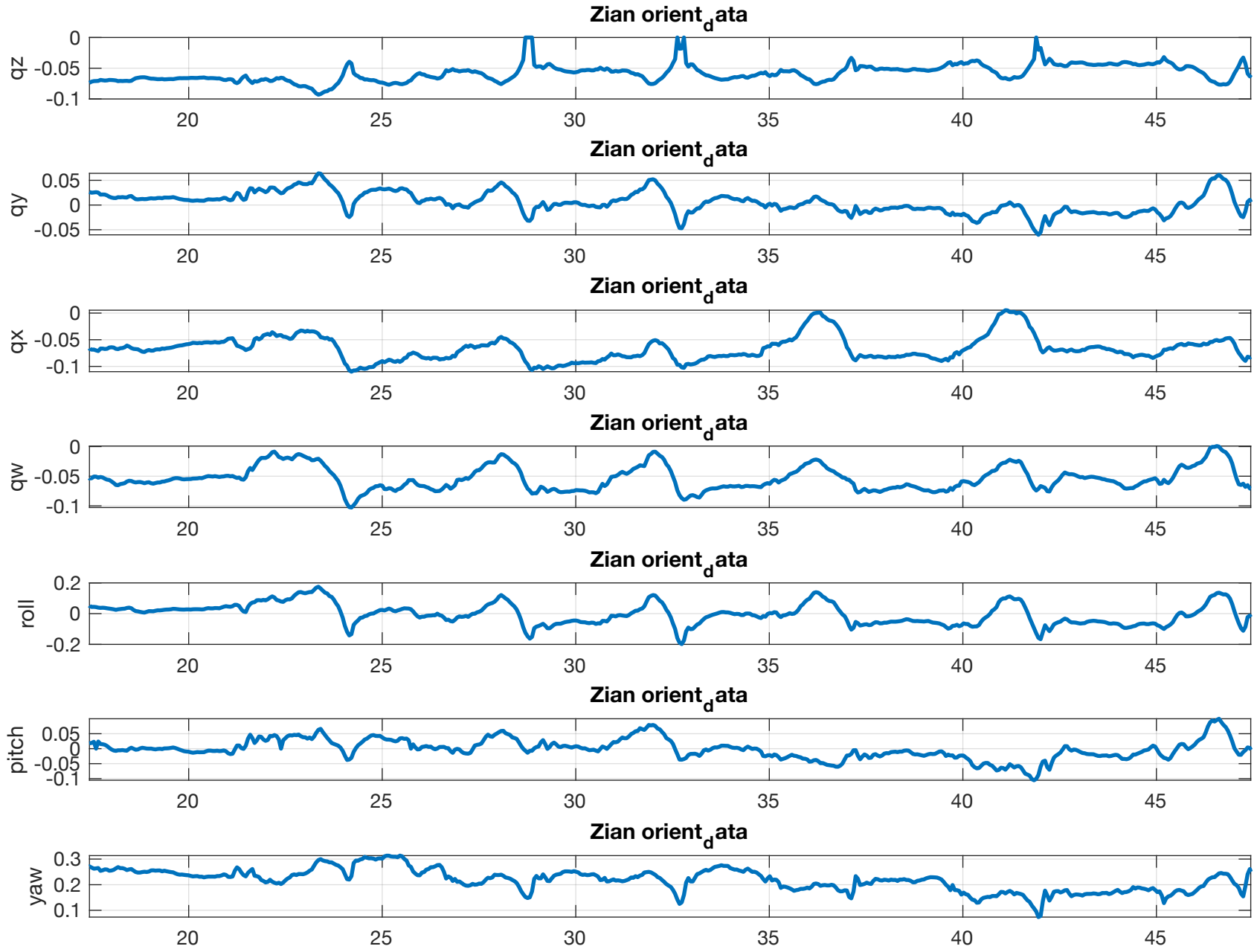

Zian Zero Cross gyro_data
Z
0.6
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45
Zian Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian Zero Cross gyro_data
X
0.5
0
-0.5
-1
20
25
30
35
40
45

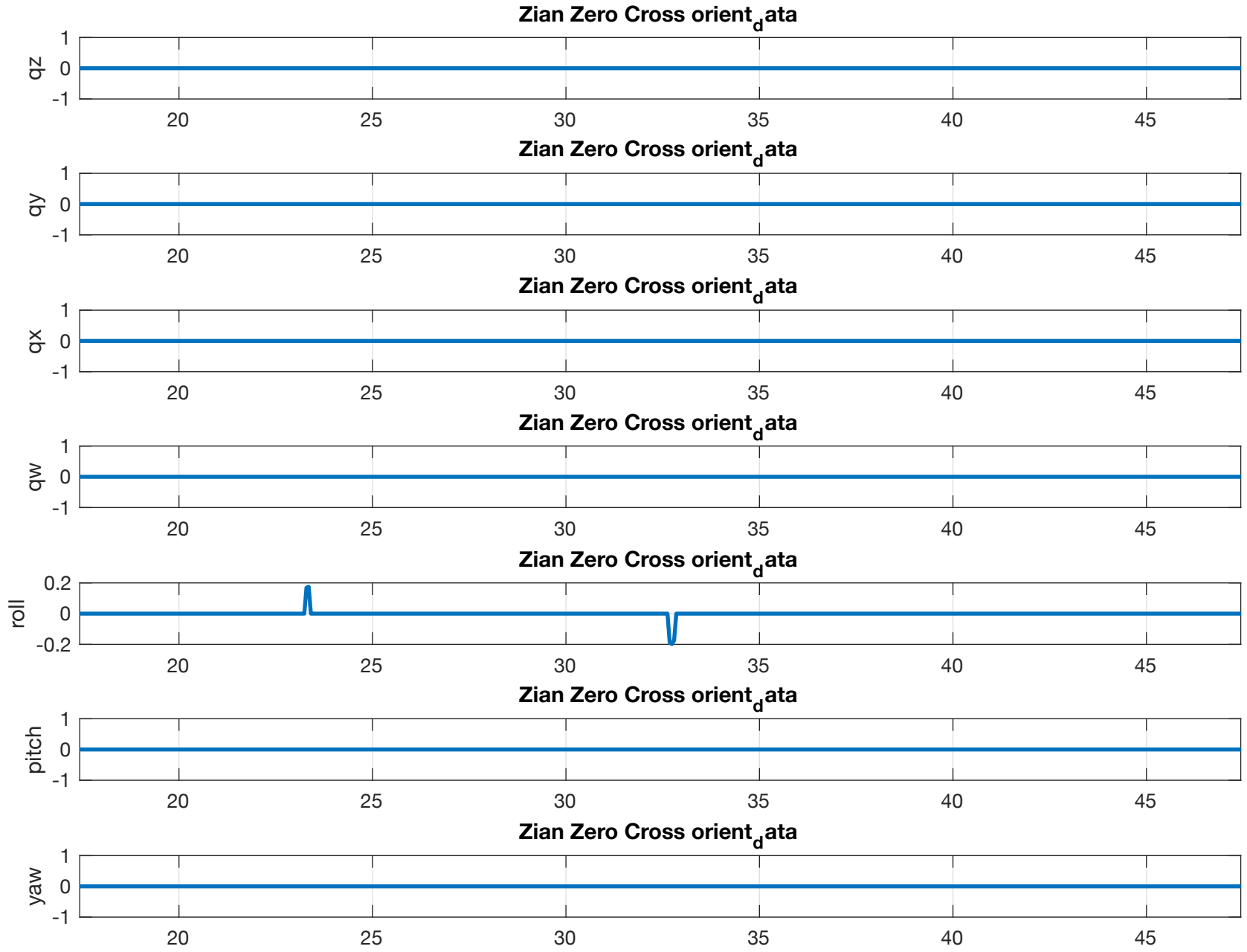
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-286.000	-231.000	-77.000	-7.500	"gyro_data"
'Y'	-329.000	-238.000	-83.000	-33.000	"gyro_data"
'X'	-291.000	-235.000	-86.000	-24.000	"gyro_data"


Zian grav_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian grav_data
Y
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian grav_data
X
0.5
0
-0.5
20
25
30
35
40
45


Zian Zero Cross grav_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian Zero Cross grav_data
X
1
0.5
0
-0.5
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-147.000	-93.000	-22.000	1.000	"grav_data"
'Y'	-174.000	-103.000	-30.000	2.750	"grav_data"
'X'	-166.000	-138.000	-37.000	3.250	"grav_data"


Zian orientdata
qz
0
-0.05
-0.1
20
25
30
35
40
45
Zian orientdata
qy
0.05
0
-0.05
20
25
30
35
40
45
Zian orientdata
qx
0
-0.05
-0.1
20
25
30
35
40
45
Zian orientdata
qw
0
-0.05
-0.1
20
25
30
35
40
45
Zian orientdata
roll
0.2
0
-0.2
20
25
30
35
40
45
Zian orientdata
pitch
0.05
0
-0.05
-0.1
20
25
30
35
40
45
Zian orientdata
yaw
0.3
0.2
0.1
20
25
30
35
40
45


Zian Zero Cross orientdata
qz
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
qy
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
qx
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
qw
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
roll
0.2
0
-0.2
20
25
30
35
40
45
Zian Zero Cross orientdata
pitch
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
yaw
1
0
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-160.000	-11.000	4.000	6.250	"orient_data"
'qy'	-181.000	-128.000	-28.000	5.250	"orient_data"
'qx'	-166.000	-26.000	-3.000	6.750	"orient_data"
'qw'	-146.000	-28.000	-5.000	5.250	"orient_data"
'roll'	-146.000	-93.000	-22.000	0.250	"orient_data"
'pitch'	-174.000	-113.000	-23.000	3.250	"orient_data"
'yaw'	-182.000	-164.000	-38.000	5.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'double_findpeaks'	57.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	16.000
'gyro_data'	"Z"	'zero_cross'	7.500
'grav_data'	"Z"	'zero_cross'	1.000
'orient_data'	"roll"	'zero_cross'	0.250