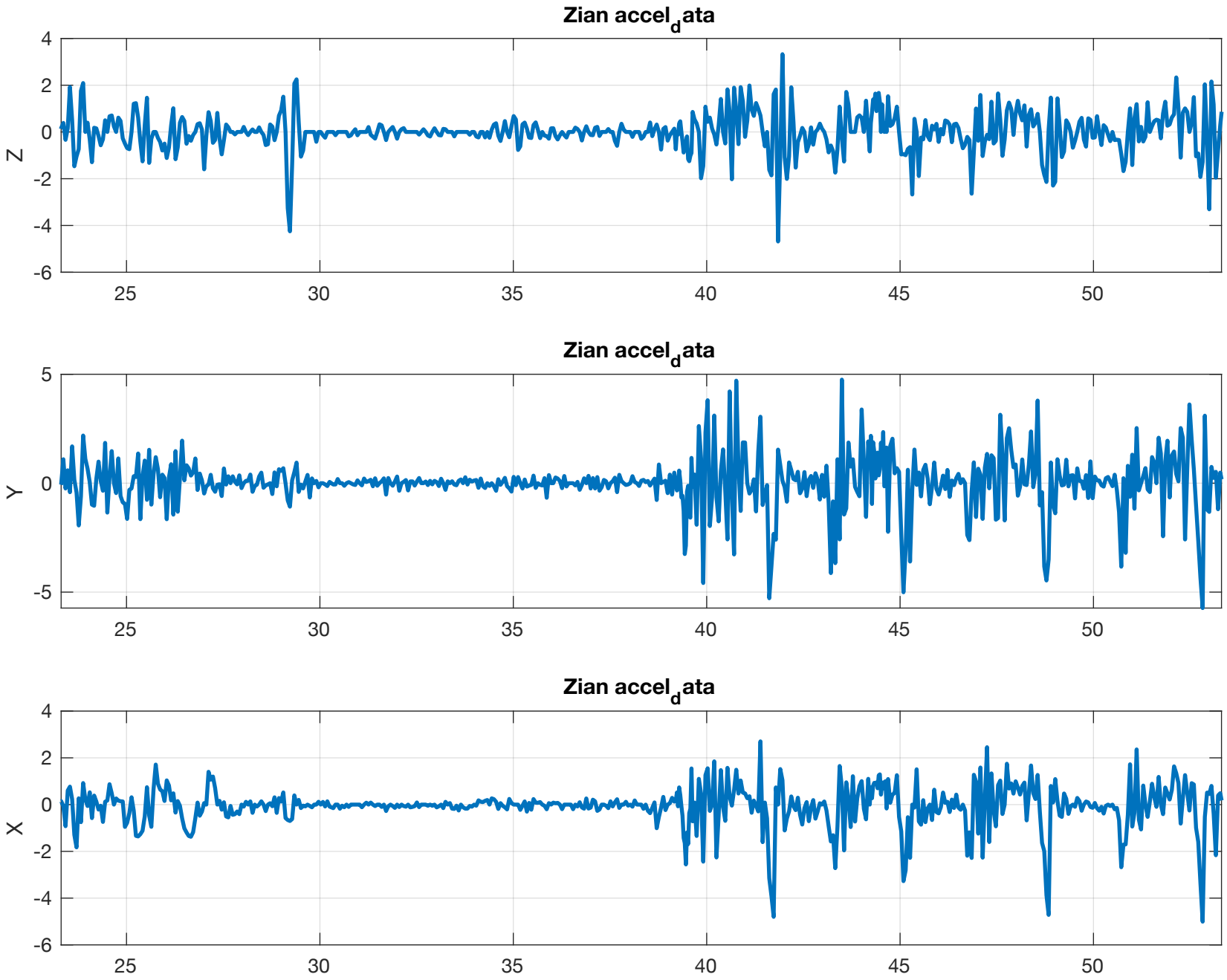
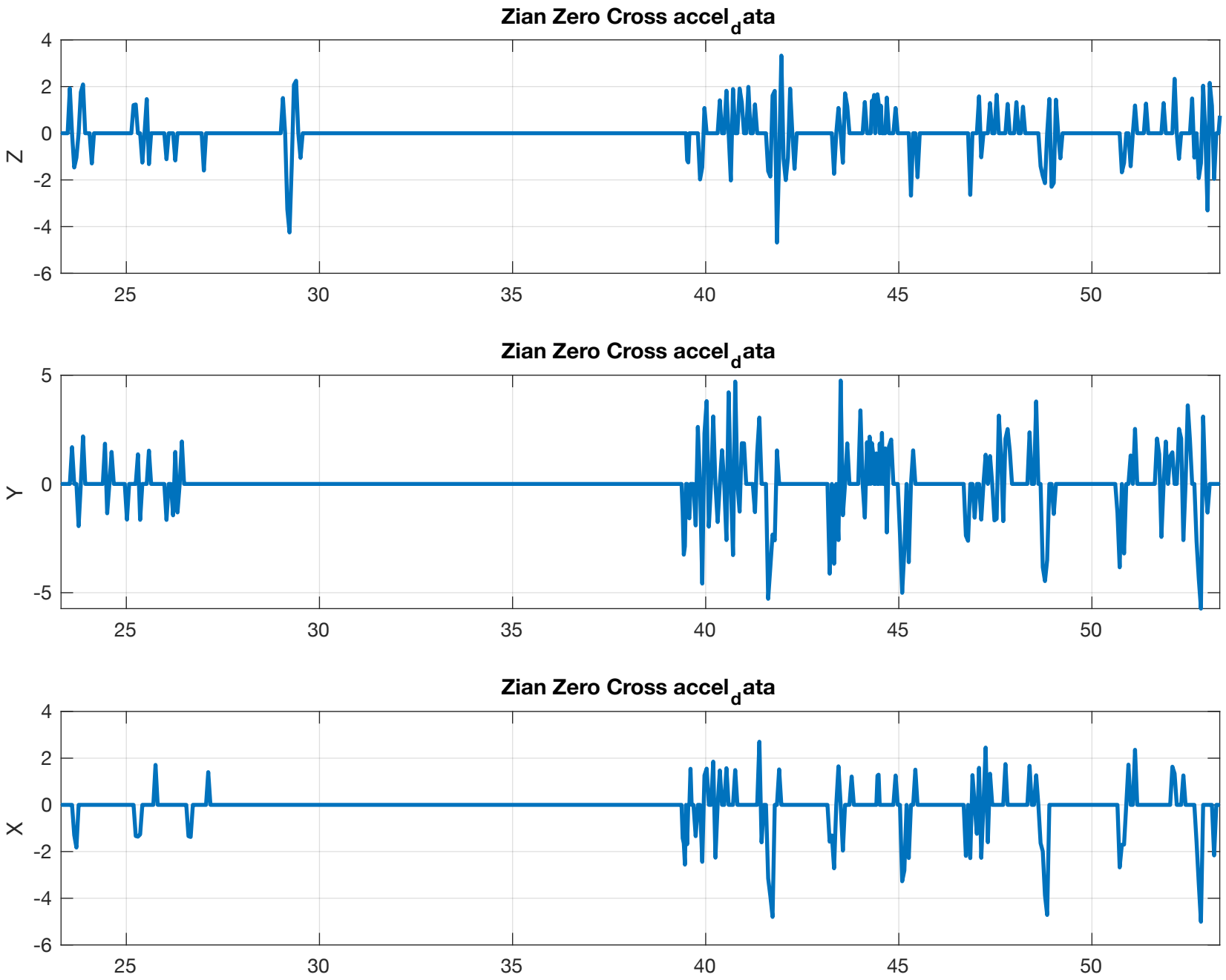
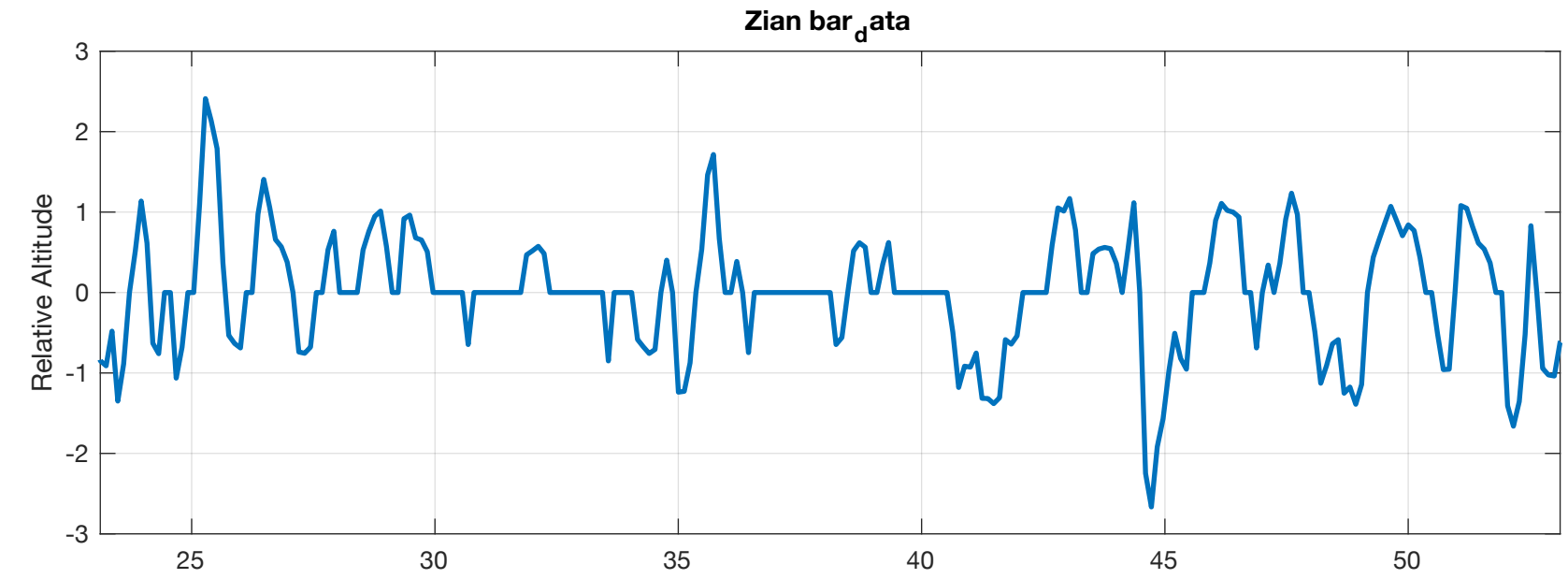
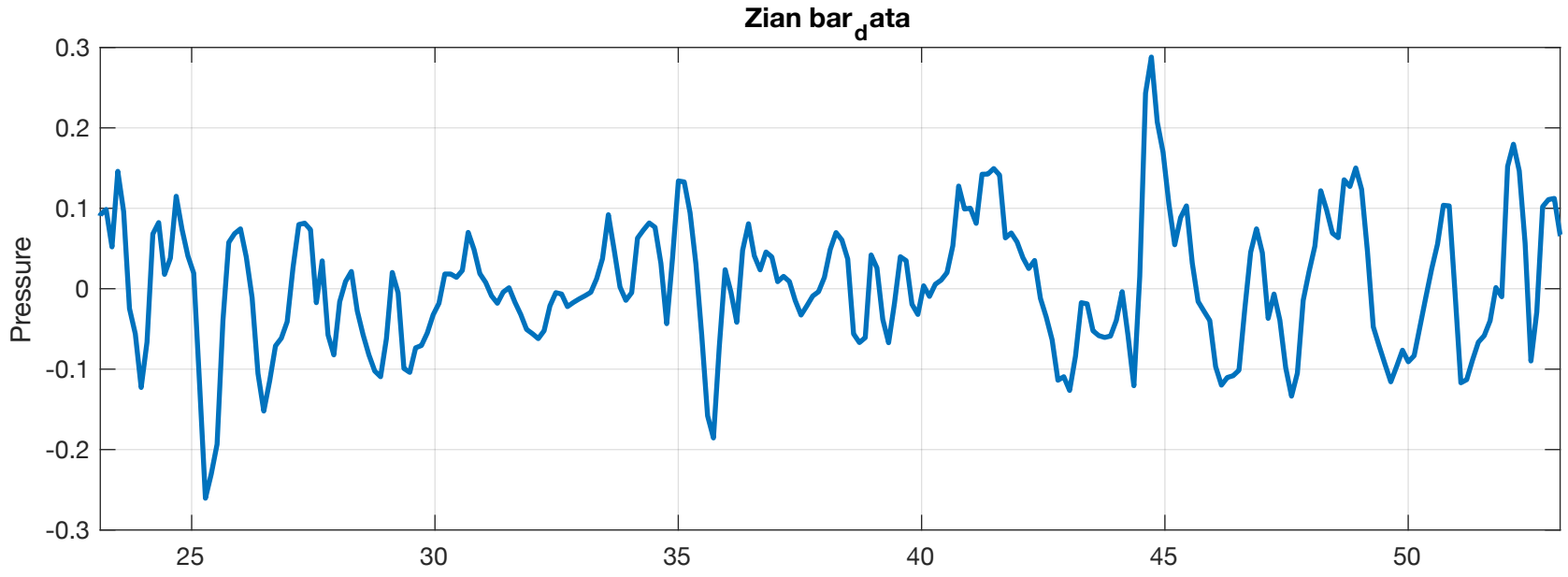
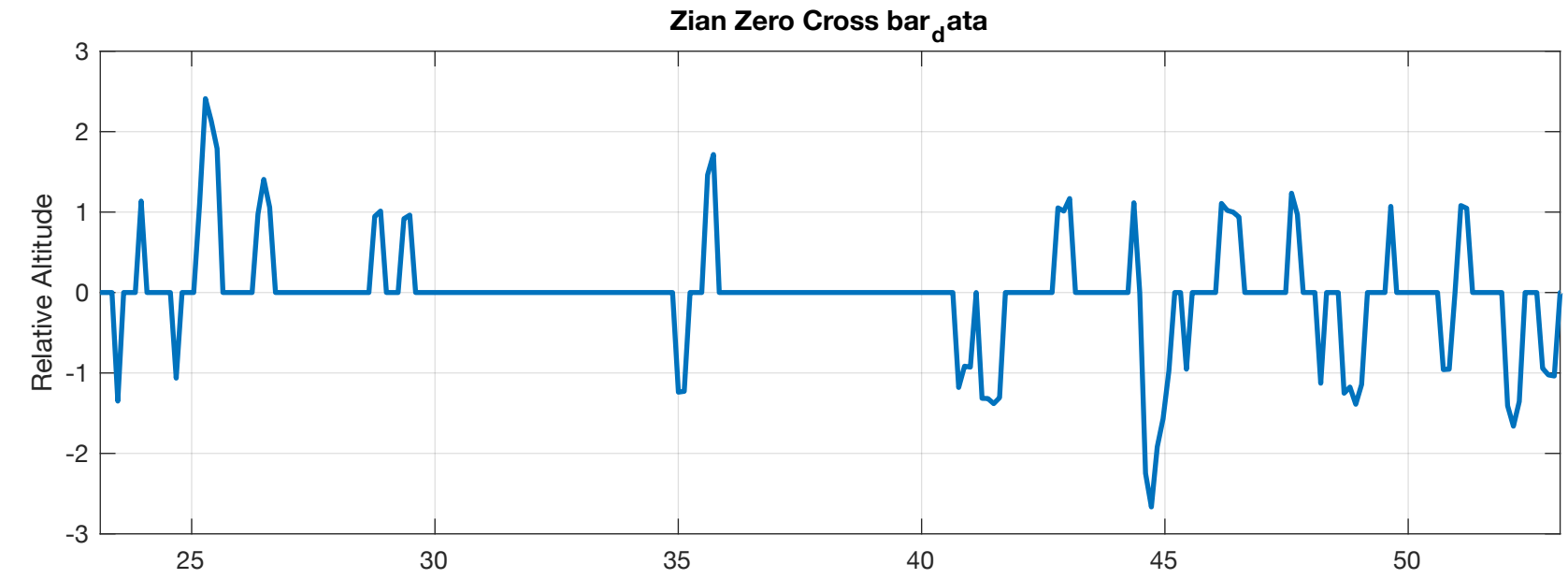

Zian accel_data
Z
4
2
0
-2
-4
-6
25
30
35
40
45
50
Zian accel_data
Y
5
0
-5
25
30
35
40
45
50
Zian accel_data
X
4
2
0
-2
-4
-6
25
30
35
40
45
50

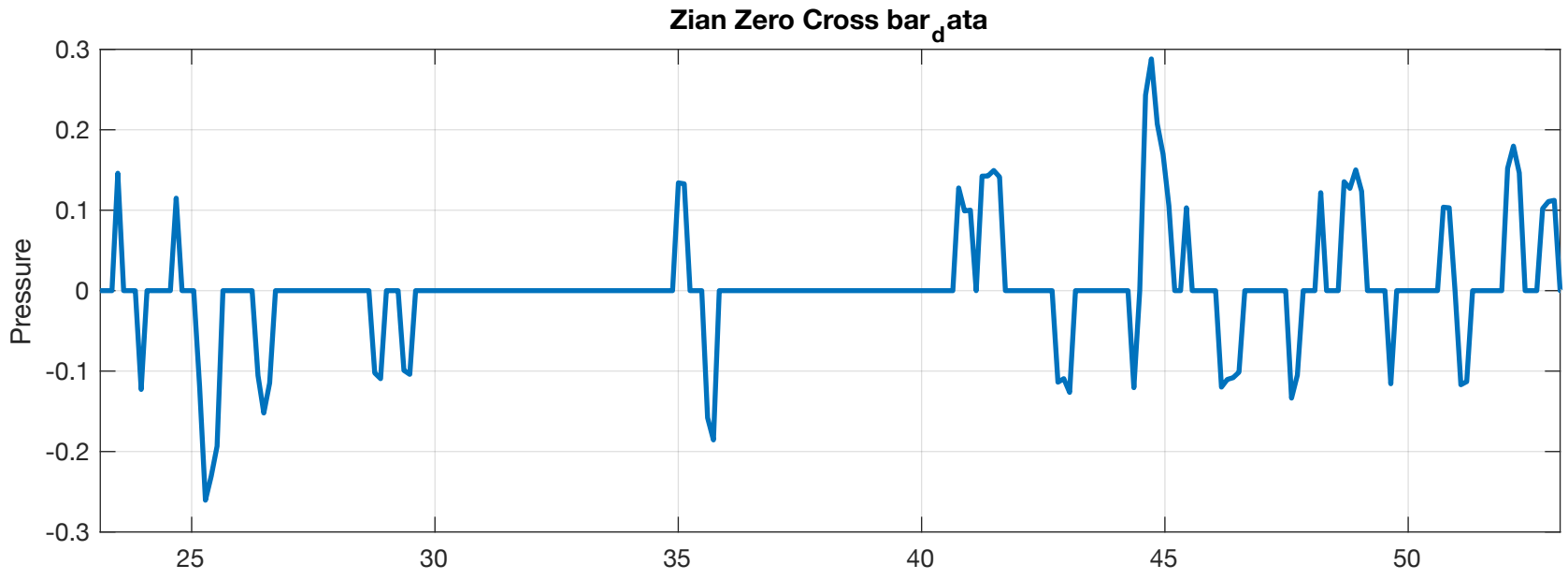

Zian Zero Cross accel_data
Z
4
2
0
-2
-4
-6
25
30
35
40
45
50
Zian Zero Cross accel_data
Y
5
0
-5
25
30
35
40
45
50
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-427.000	-352.000	-119.000	-91.750	"accel_data"
'Y'	-519.000	-450.000	-150.000	-100.000	"accel_data"
'X'	-476.000	-387.000	-137.000	-74.250	"accel_data"

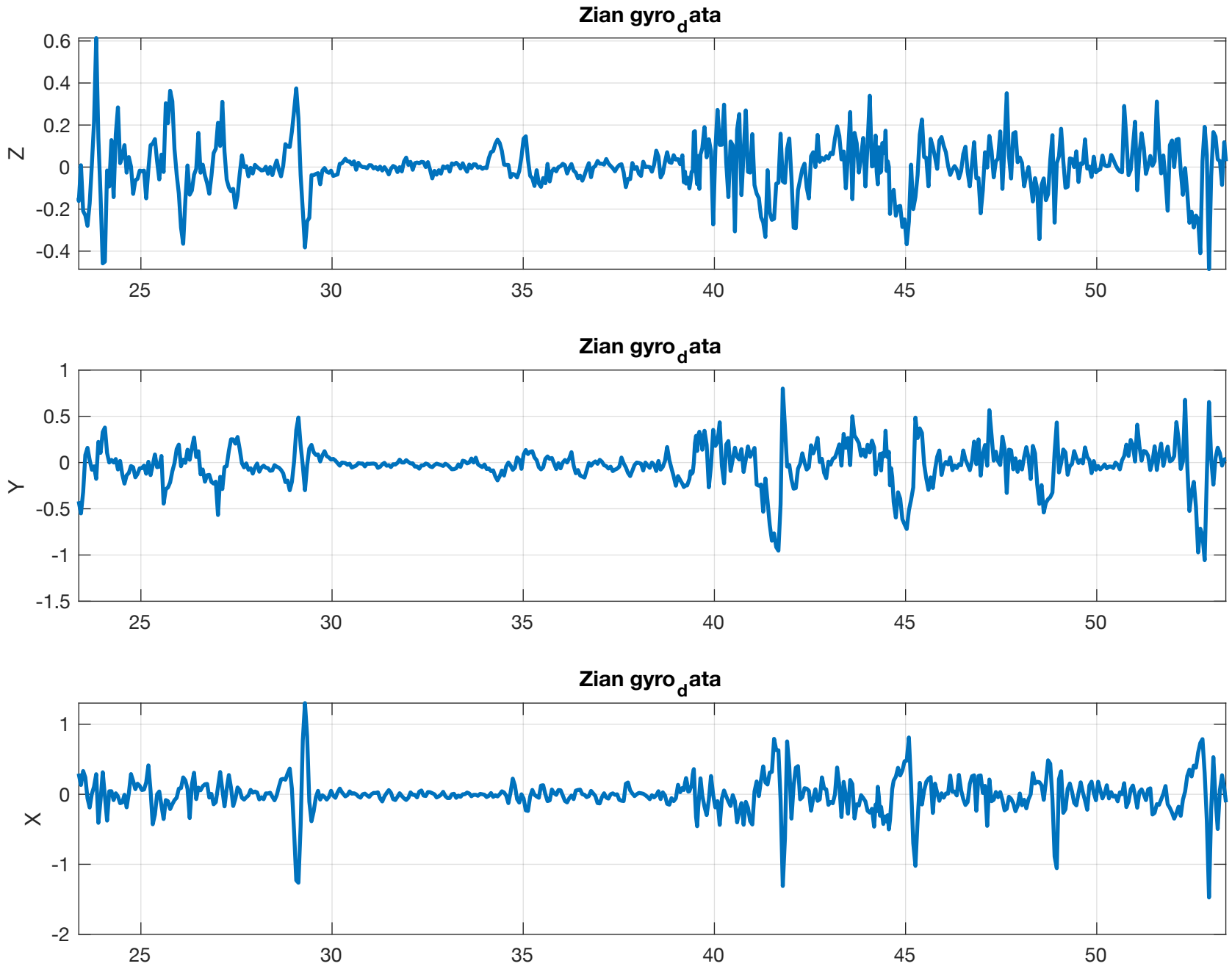

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
25
30
35
40
45
50

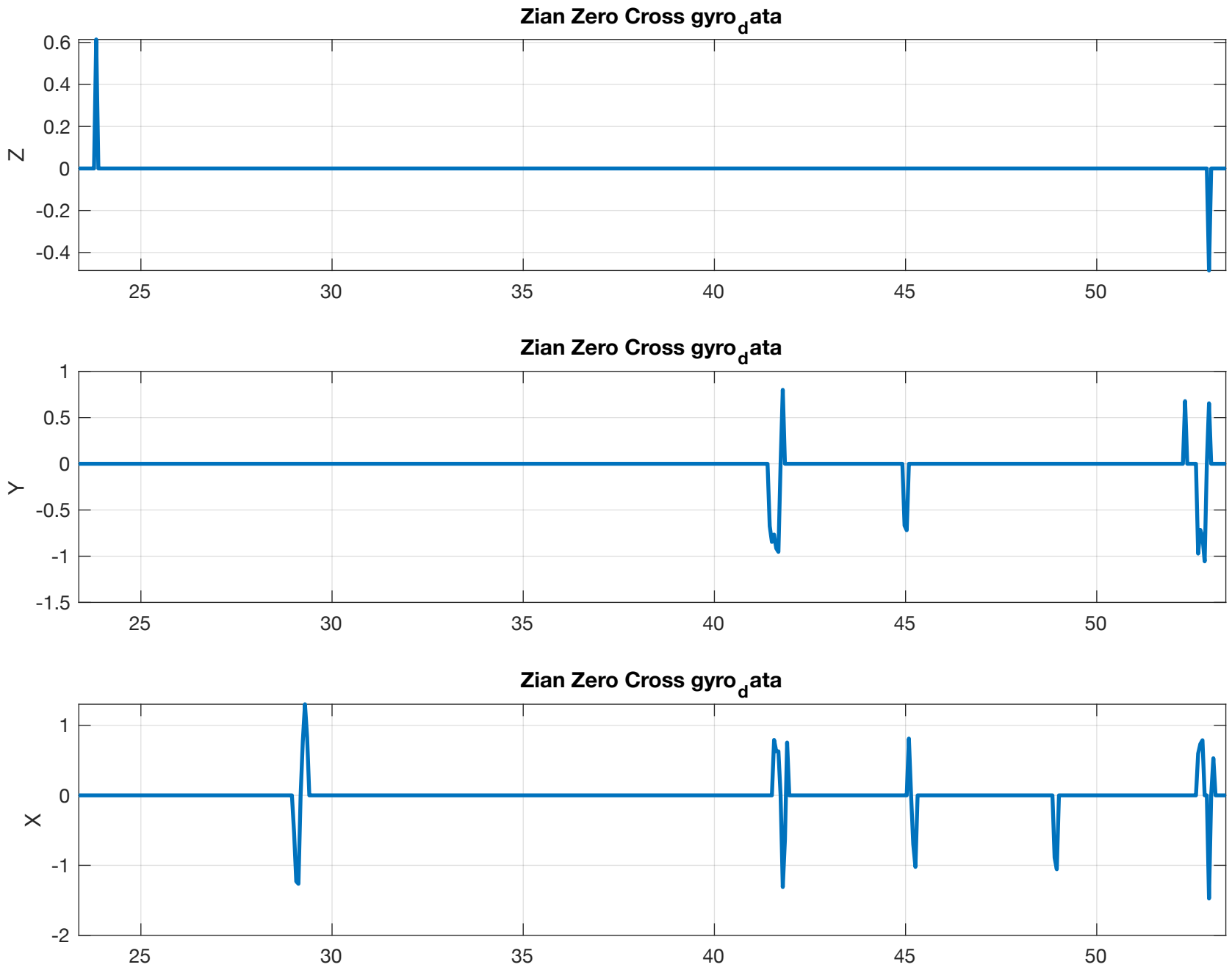

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
25
30
35
40
45
50


Zian Zero Cross bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
25
30
35
40
45
50

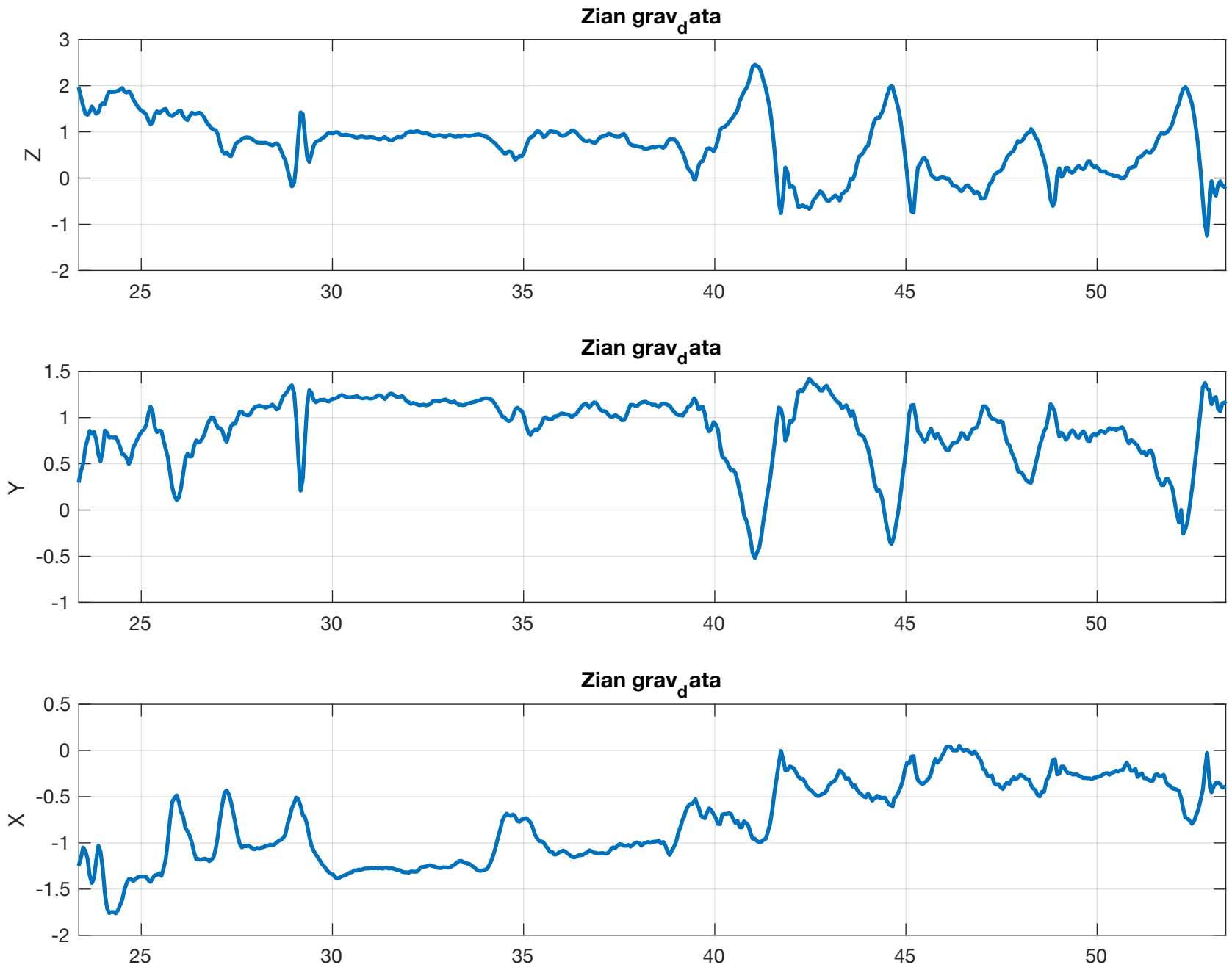

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
25
30
35
40
45
50

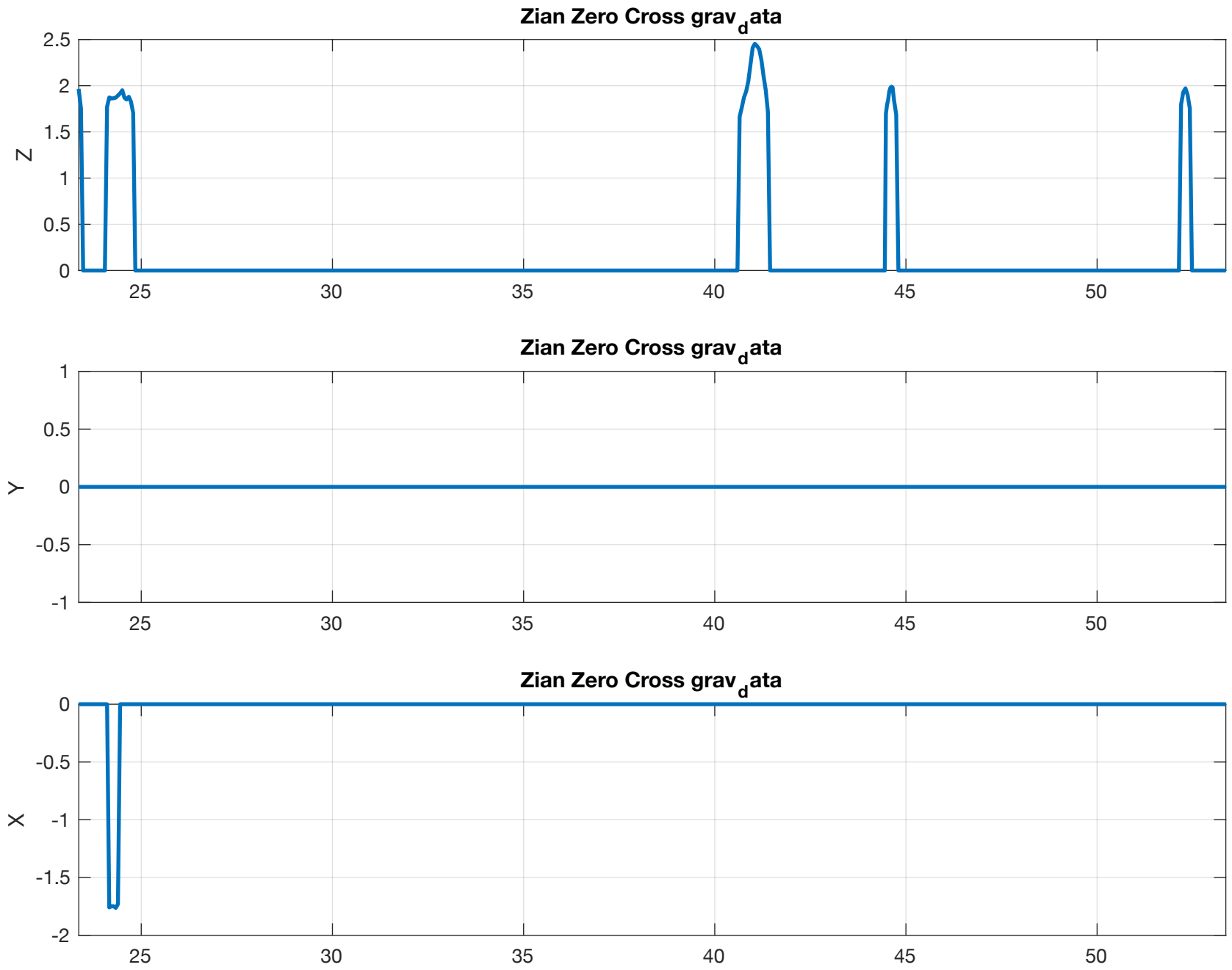
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-96.000	-70.000	-26.000	-29.500	"bar_data"
"Pressure"	-120.000	-99.000	-29.000	-29.500	"bar_data"


Zian gyro_data
Z
0.6
0.4
0.2
0
-0.2
-0.4
25
30
35
40
45
50
Zian gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Zian gyro_data
X
1
0
-1
-2
25
30
35
40
45
50

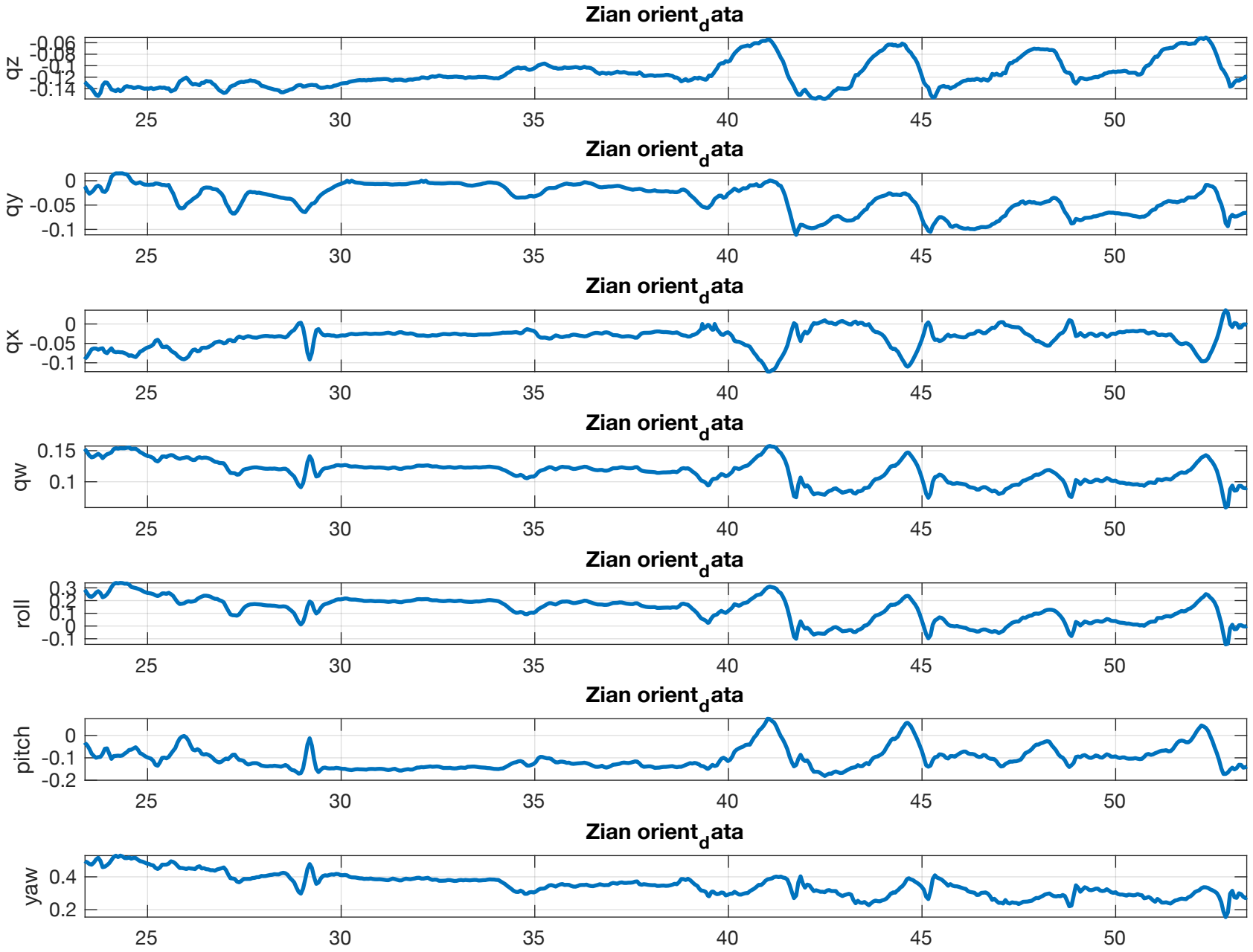

Zian Zero Cross gyro_data
Z
0.6
0.4
0.2
0
-0.2
-0.4
25
30
35
40
45
50
Zian Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Zian Zero Cross gyro_data
X
1
0
-1
-2
25
30
35
40
45
50

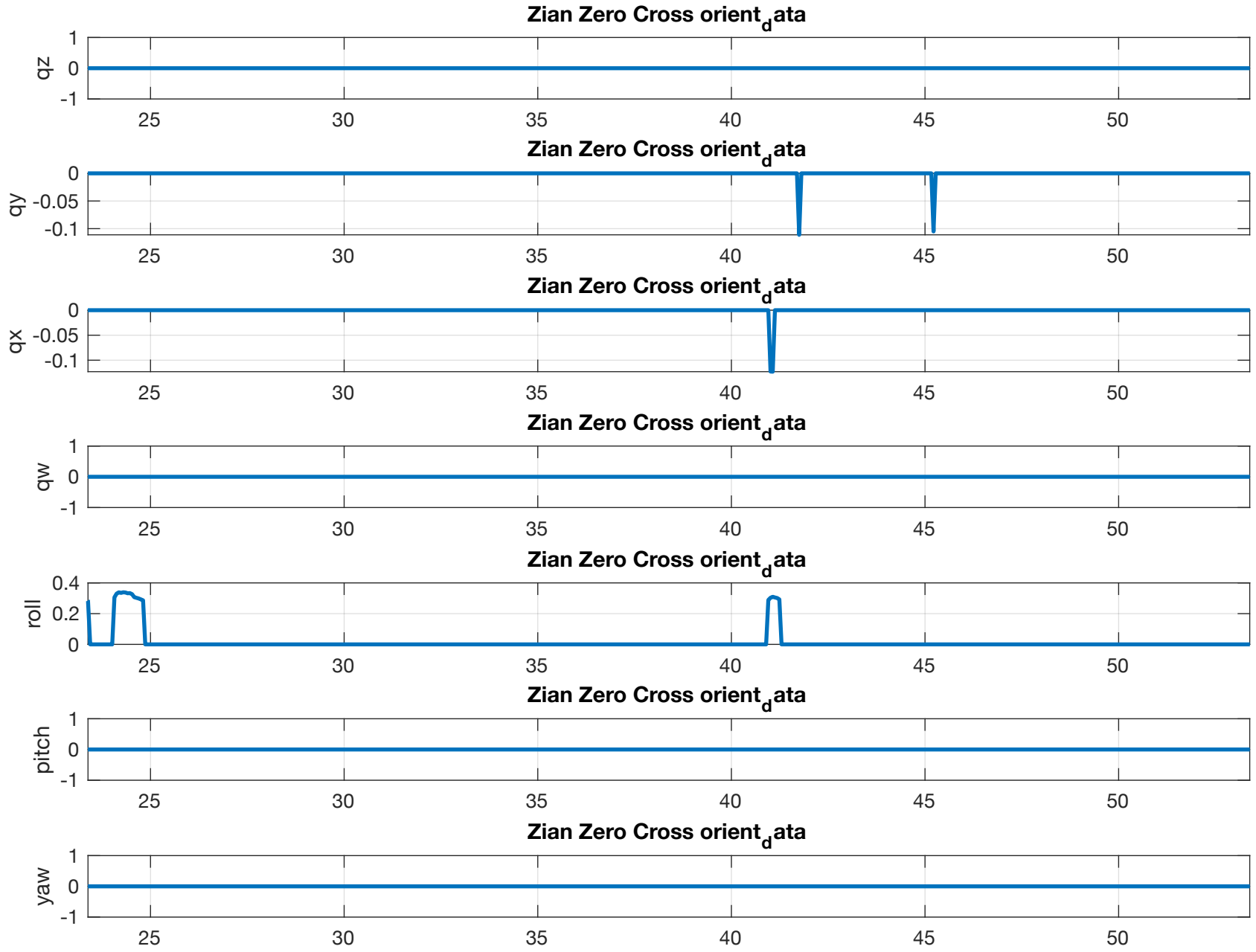
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-426.000	-330.000	-110.000	-10.500	"gyro_data"
'Y'	-449.000	-324.000	-116.000	-21.750	"gyro_data"
'X'	-394.000	-311.000	-105.000	-20.000	"gyro_data"


Zian grav_data
Z
3
2
1
0
-1
-2
25
30
35
40
45
50
Zian grav_data
Y
1.5
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian grav_data
X
0.5
0
-0.5
-1
-1.5
-2
25
30
35
40
45
50


Zian Zero Cross grav_data
Z
2.5
2
1.5
1
0.5
0
25
30
35
40
45
50
Zian Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian Zero Cross grav_data
X
0
-0.5
-1
-1.5
-2
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-211.000	-102.000	-27.000	0.250	"grav_data"
'Y'	-198.000	-156.000	-34.000	4.000	"grav_data"
'X'	-249.000	-70.000	-16.000	3.250	"grav_data"


Zian orientdata
qz
-0.06
-0.08
-0.1
-0.12
-0.14
25
30
35
40
45
50
Zian orientdata
qy
0
-0.05
-0.1
25
30
35
40
45
50
Zian orientdata
qx
0
-0.05
-0.1
25
30
35
40
45
50
Zian orientdata
qw
0.15
0.1
25
30
35
40
45
50
Zian orientdata
roll
0.3
0.2
0.1
0
-0.1
25
30
35
40
45
50
Zian orientdata
pitch
0
-0.1
-0.2
25
30
35
40
45
50
Zian orientdata
yaw
0.4
0.2
25
30
35
40
45
50


Zian Zero Cross orientdata
qz
1
0
-1
25
30
35
40
45
50
Zian Zero Cross orientdata
qy
0
-0.05
-0.1
25
30
35
40
45
50
Zian Zero Cross orientdata
qx
0
-0.05
-0.1
25
30
35
40
45
50
Zian Zero Cross orientdata
qw
1
0
-1
25
30
35
40
45
50
Zian Zero Cross orientdata
roll
0.4
0.2
0
25
30
35
40
45
50
Zian Zero Cross orientdata
pitch
1
0
-1
25
30
35
40
45
50
Zian Zero Cross orientdata
yaw
1
0
-1
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-244.000	-51.000	-8.000	7.250	"orient_data"
'qy'	-196.000	-72.000	-10.000	1.000	"orient_data"
'qx'	-236.000	-92.000	-30.000	2.250	"orient_data"
'qw'	-192.000	-155.000	-32.000	7.000	"orient_data"
'roll'	-213.000	-106.000	-23.000	2.750	"orient_data"
'pitch'	-201.000	-43.000	-11.000	3.500	"orient_data"
'yaw'	-251.000	-216.000	-44.000	7.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	74.250
'bar_data'	"Relative Altitude"	'double_findpeaks'	26.000
'gyro_data'	"Z"	'zero_cross'	10.500
'grav_data'	"Z"	'zero_cross'	0.250
'orient_data'	"qy"	'zero_cross'	1.000