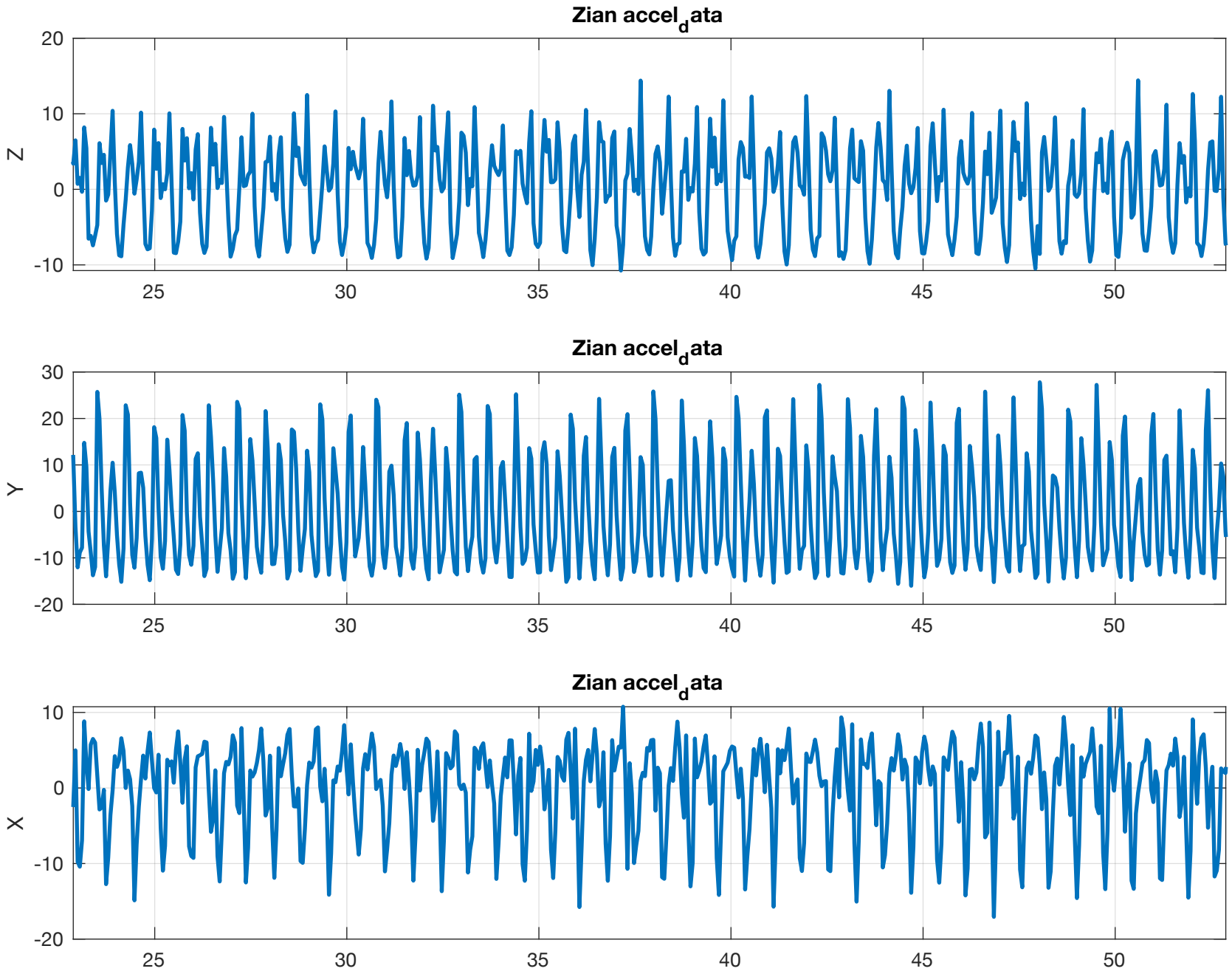
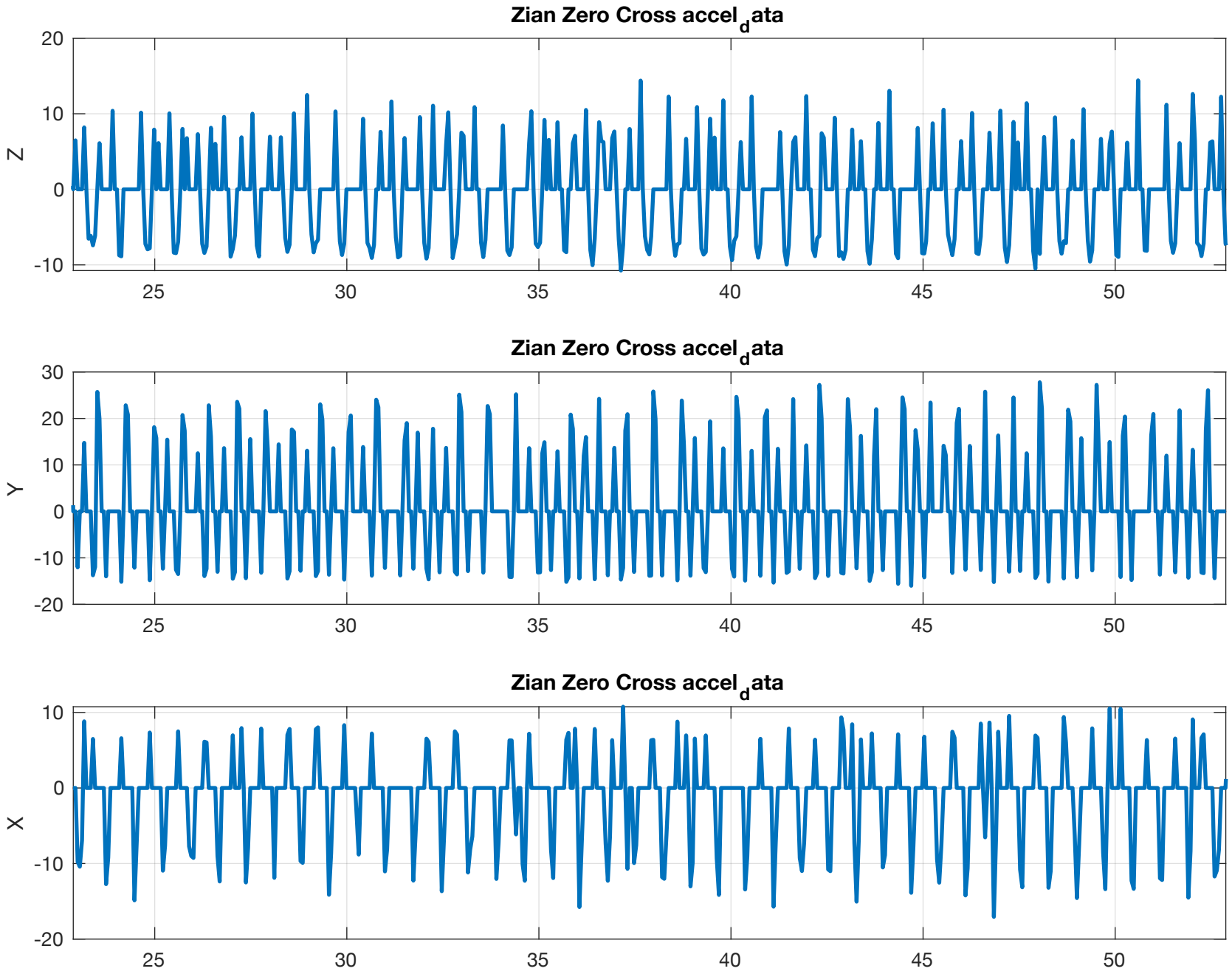
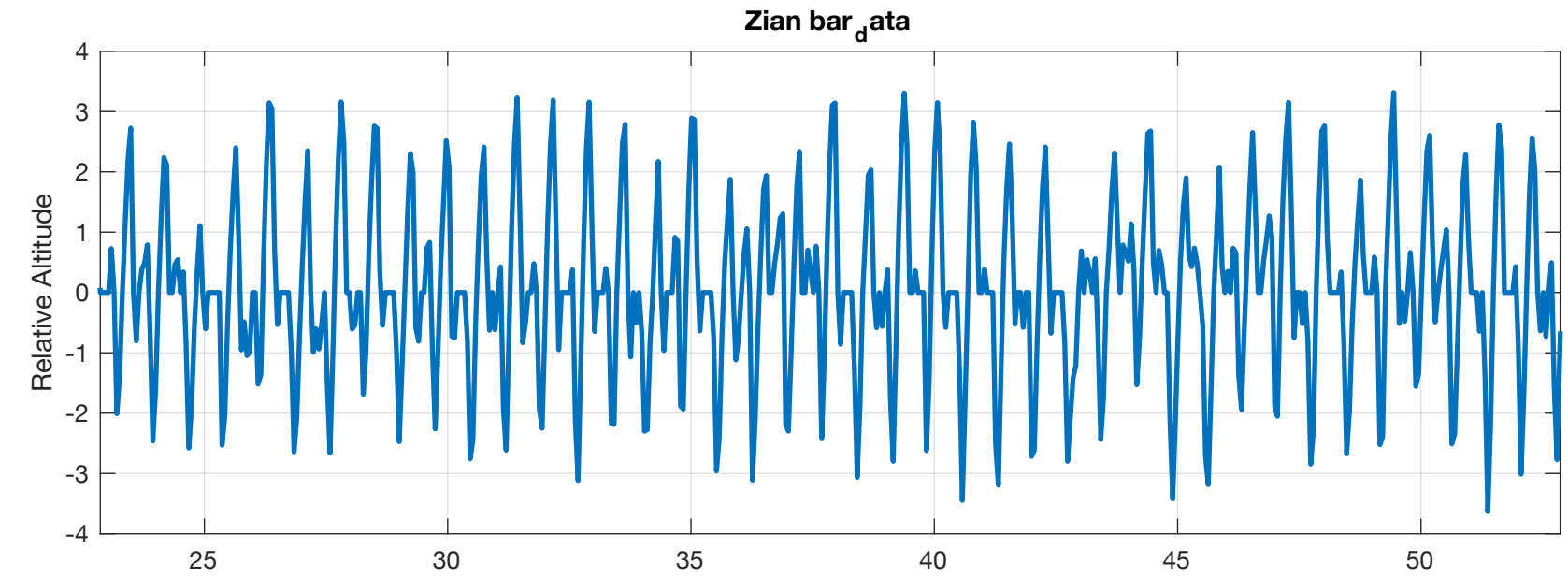
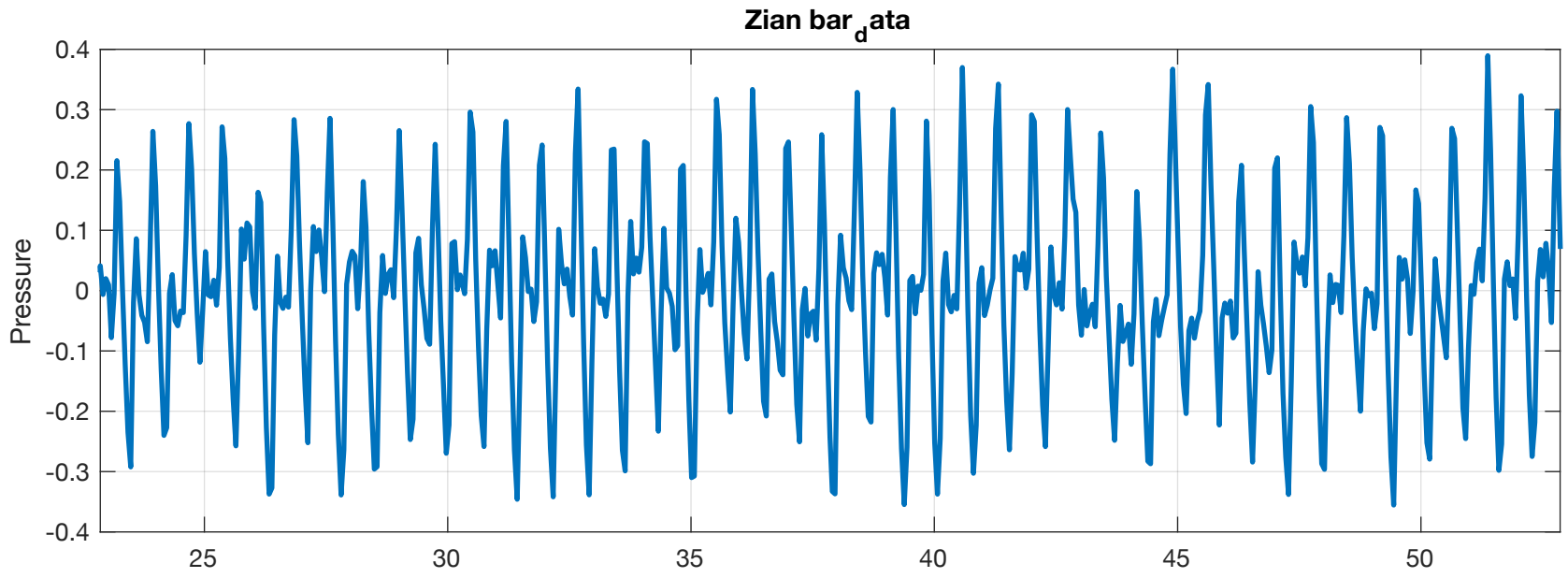
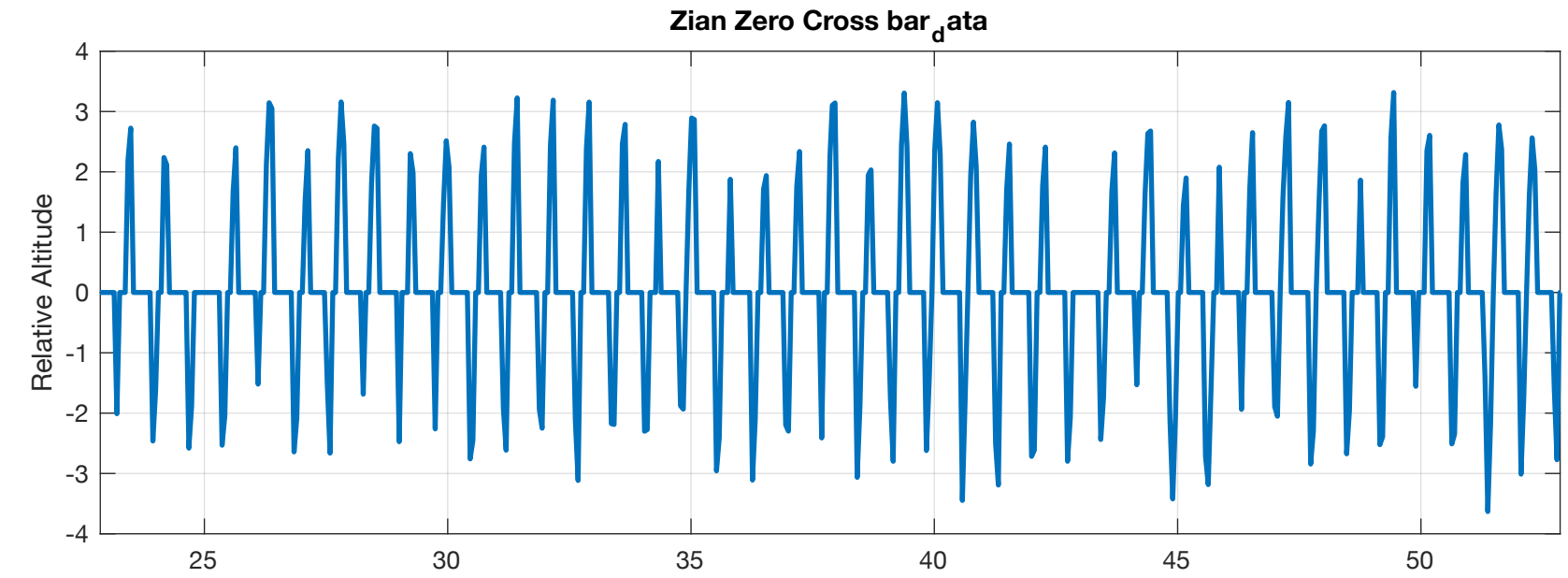

Zian accel_data
Z
20
10
0
-10
25
30
35
40
45
50
Zian accel_data
Y
30
20
10
0
-10
-20
25
30
35
40
45
50
Zian accel_data
X
10
0
-10
-20
25
30
35
40
45
50

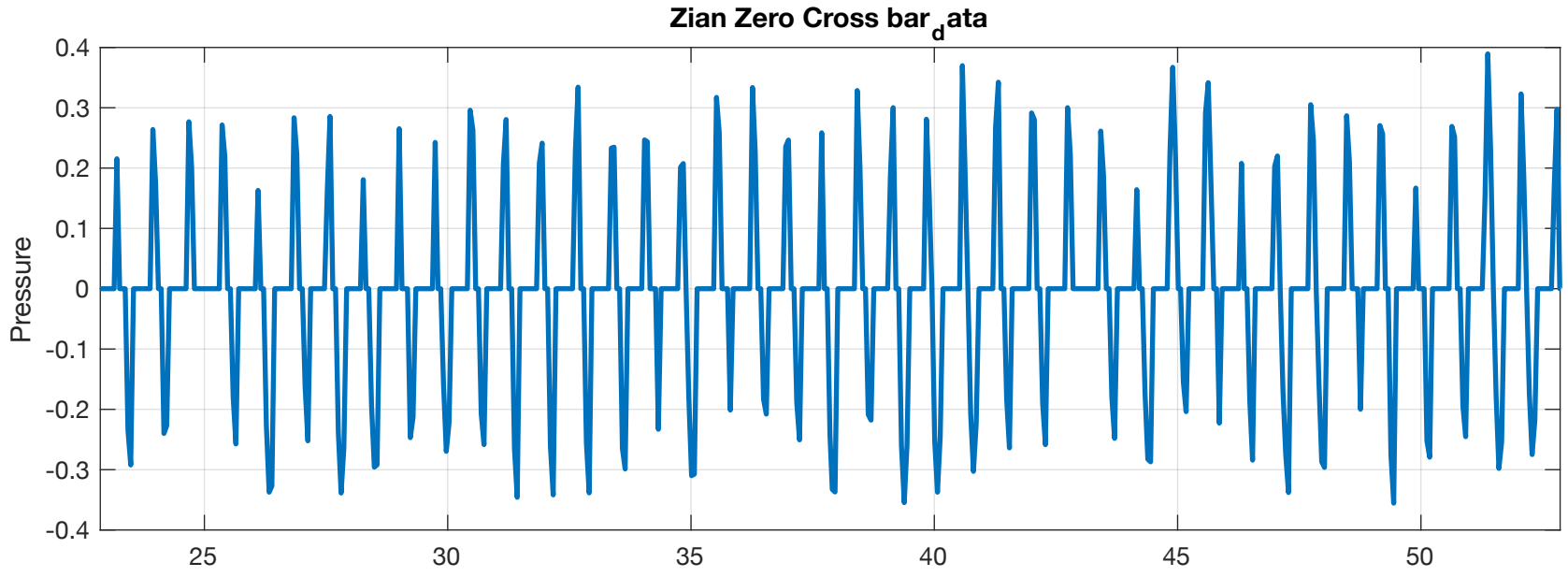

Zian Zero Cross accel_data
Z
20
10
0
-10
25
30
35
40
45
50
Zian Zero Cross accel_data
Y
30
20
10
0
-10
-20
25
30
35
40
45
50
Zian Zero Cross accel_data
X
10
0
-10
-20
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-83.000	-66.000	96.000	55.000	"accel_data"
'Y'	-7.000	-3.000	105.000	32.500	"accel_data"
'X'	-106.000	-96.000	96.000	77.500	"accel_data"

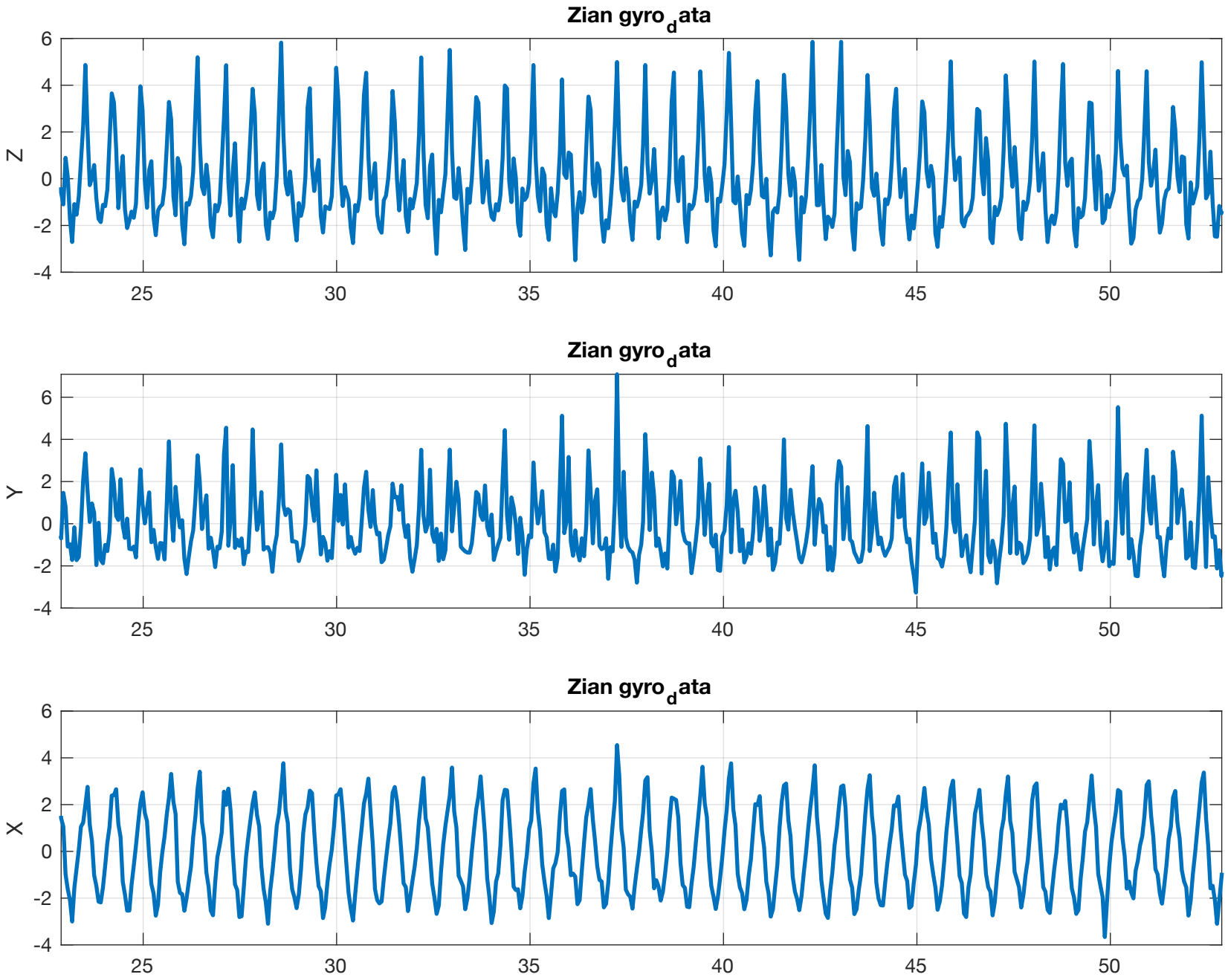

Zian bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
25
30
35
40
45
50

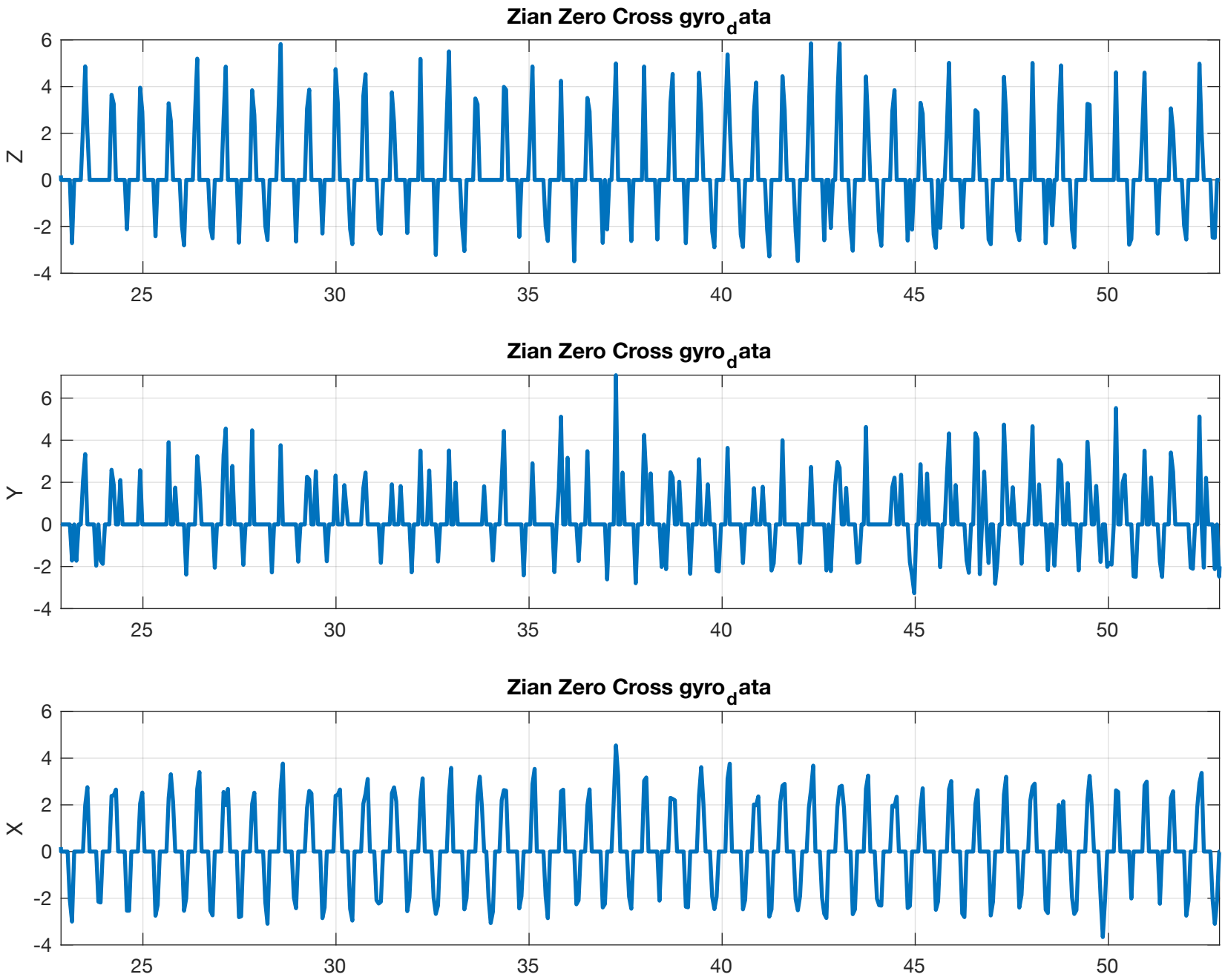

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
25
30
35
40
45
50


Zian Zero Cross bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
25
30
35
40
45
50

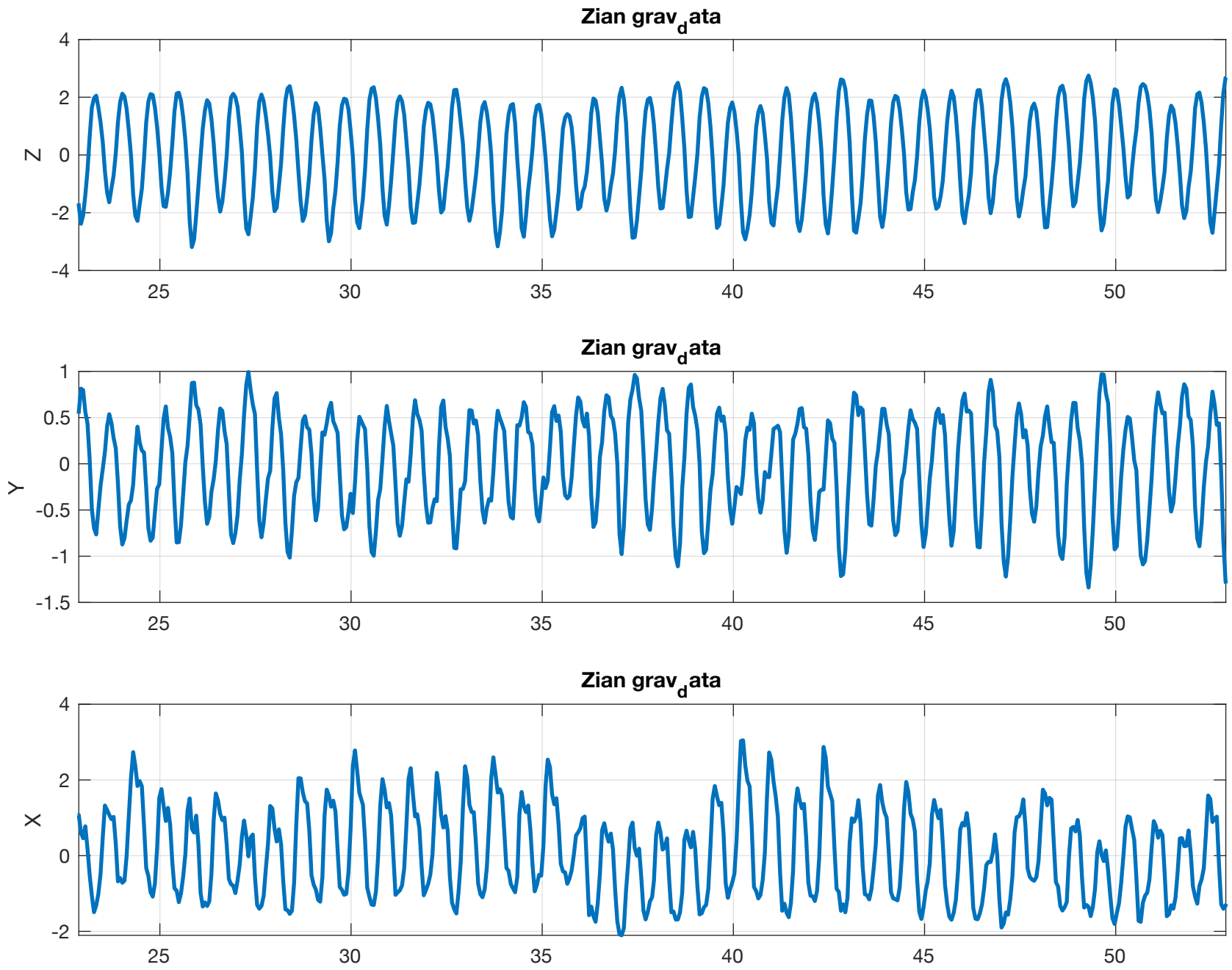

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
25
30
35
40
45
50

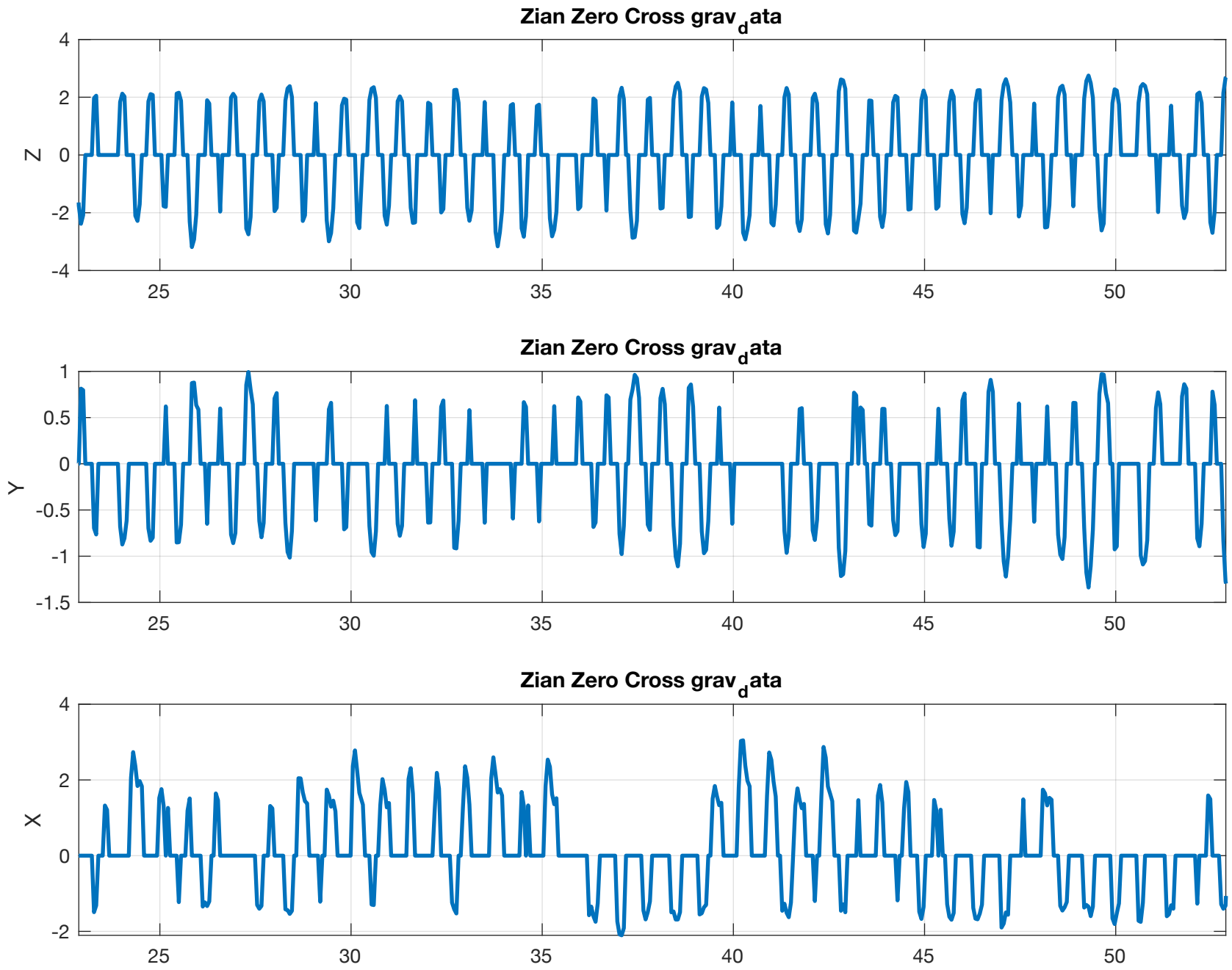
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-24.000	25.000	105.000	97.500	"bar_data"
"Pressure"	-60.000	-36.000	102.000	97.500	"bar_data"


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

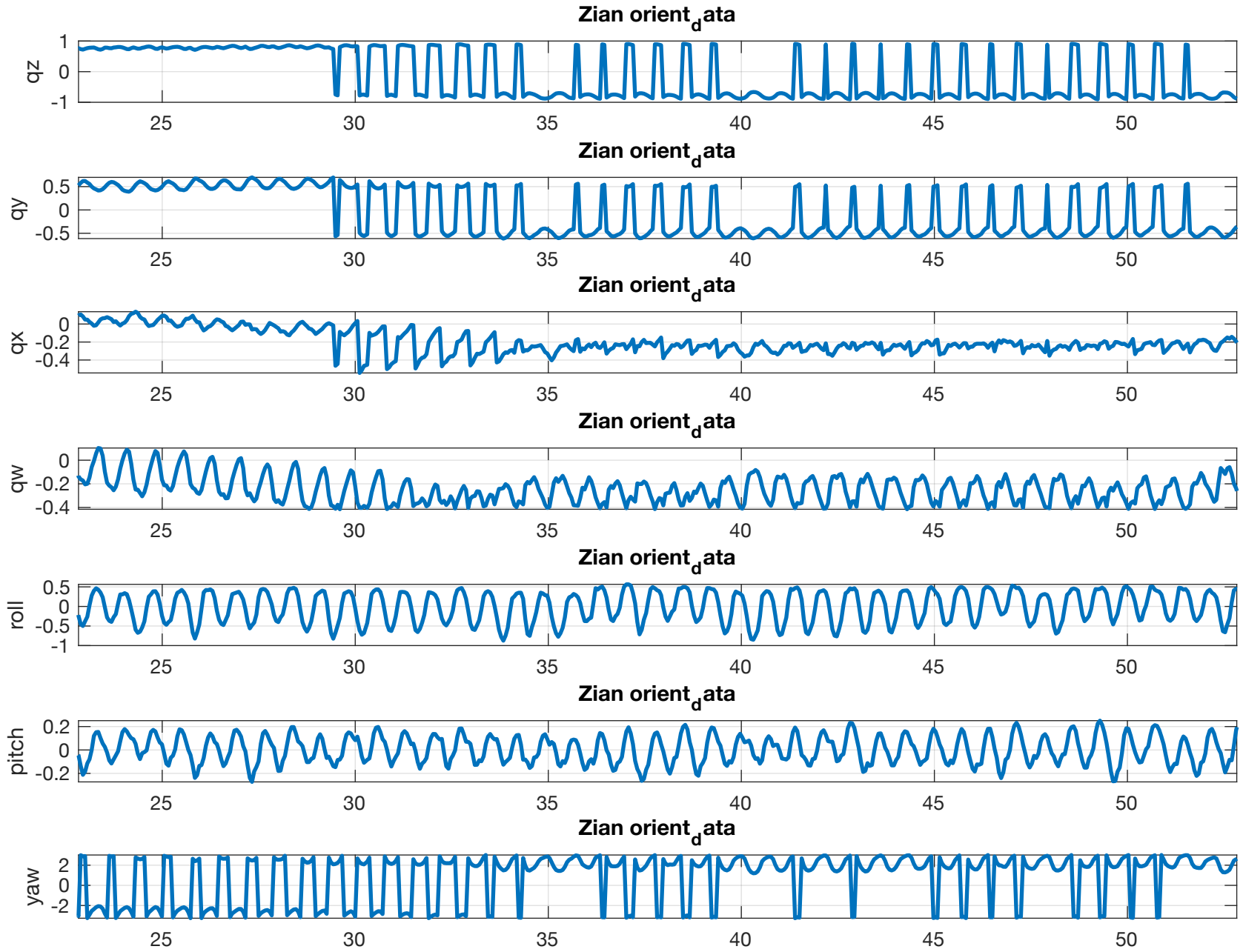

Zian Zero Cross gyro_data
Z
6
4
2
0
-2
-4
25
30
35
40
45
50
Zian Zero Cross gyro_data
Y
6
4
2
0
-2
-4
25
30
35
40
45
50
Zian Zero Cross gyro_data
X
6
4
2
0
-2
-4
25
30
35
40
45
50

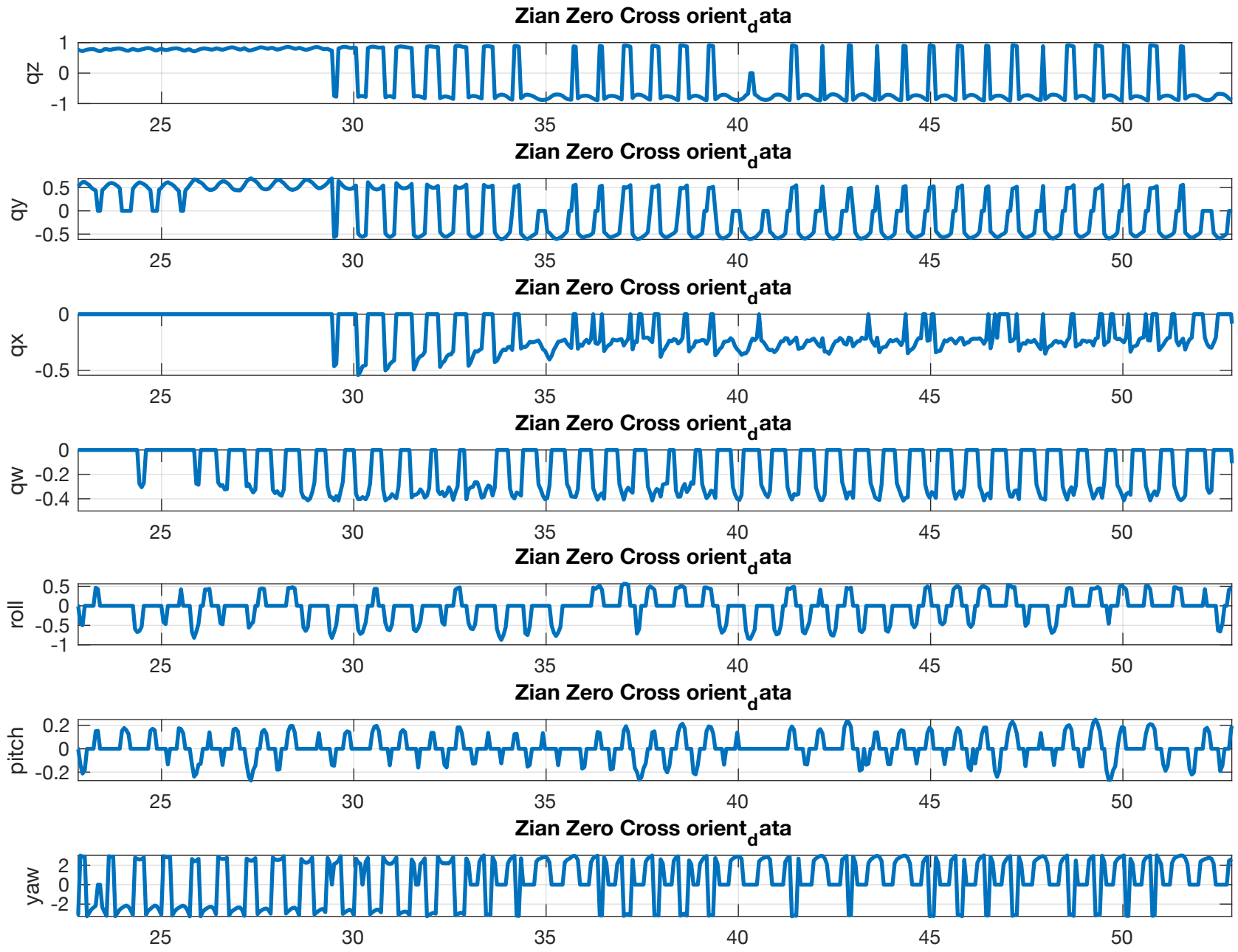
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-94.000	3.000	99.000	100.000	"gyro_data"
'Y'	-146.000	-23.000	95.000	54.000	"gyro_data"
'X'	70.000	86.000	156.000	98.500	"gyro_data"


Zian grav_data
Z
4
2
0
-2
-4
25
30
35
40
45
50
Zian grav_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Zian grav_data
X
4
2
0
-2
25
30
35
40
45
50


Zian Zero Cross grav_data
Z
4
2
0
-2
-4
25
30
35
40
45
50
Zian Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
-1.5
25
30
35
40
45
50
Zian Zero Cross grav_data
X
4
2
0
-2
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	96.000	99.000	168.000	105.000	"grav_data"
'Y'	55.000	66.000	153.000	110.250	"grav_data"
'X'	-2.000	28.000	134.000	125.750	"grav_data"


Zian orientdata
qz
1
0
-1
25
30
35
40
45
50
Zian orientdata
qy
0.5
0
-0.5
25
30
35
40
45
50
Zian orientdata
qx
0
-0.2
-0.4
25
30
35
40
45
50
Zian orientdata
qw
0
-0.2
-0.4
25
30
35
40
45
50
Zian orientdata
roll
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian orientdata
pitch
0.2
0
-0.2
25
30
35
40
45
50
Zian orientdata
yaw
2
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
0.5
0
-0.5
25
30
35
40
45
50
Zian Zero Cross orientdata
qx
0
-0.5
25
30
35
40
45
50
Zian Zero Cross orientdata
qw
0
-0.2
-0.4
25
30
35
40
45
50
Zian Zero Cross orientdata
roll
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian Zero Cross orientdata
pitch
0.2
0
-0.2
25
30
35
40
45
50
Zian Zero Cross orientdata
yaw
2
0
-2
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	27.000	86.000	139.000	154.500	"orient_data"
'qy'	48.000	104.000	165.000	148.500	"orient_data"
'qx'	30.000	125.000	178.000	163.750	"orient_data"
'qw'	23.000	109.000	176.000	167.750	"orient_data"
'roll'	75.000	78.000	158.000	125.500	"orient_data"
'pitch'	54.000	87.000	150.000	108.750	"orient_data"
'yaw'	31.000	84.000	152.000	130.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'findpeaks_above_zero'	3.000
'bar_data'	"Relative Altitude"	'findpeaks'	24.000
'gyro_data'	"Z"	'findpeaks_above_zero'	3.000
'grav_data'	"X"	'findpeaks'	2.000
'orient_data'	"qw"	'findpeaks'	23.000