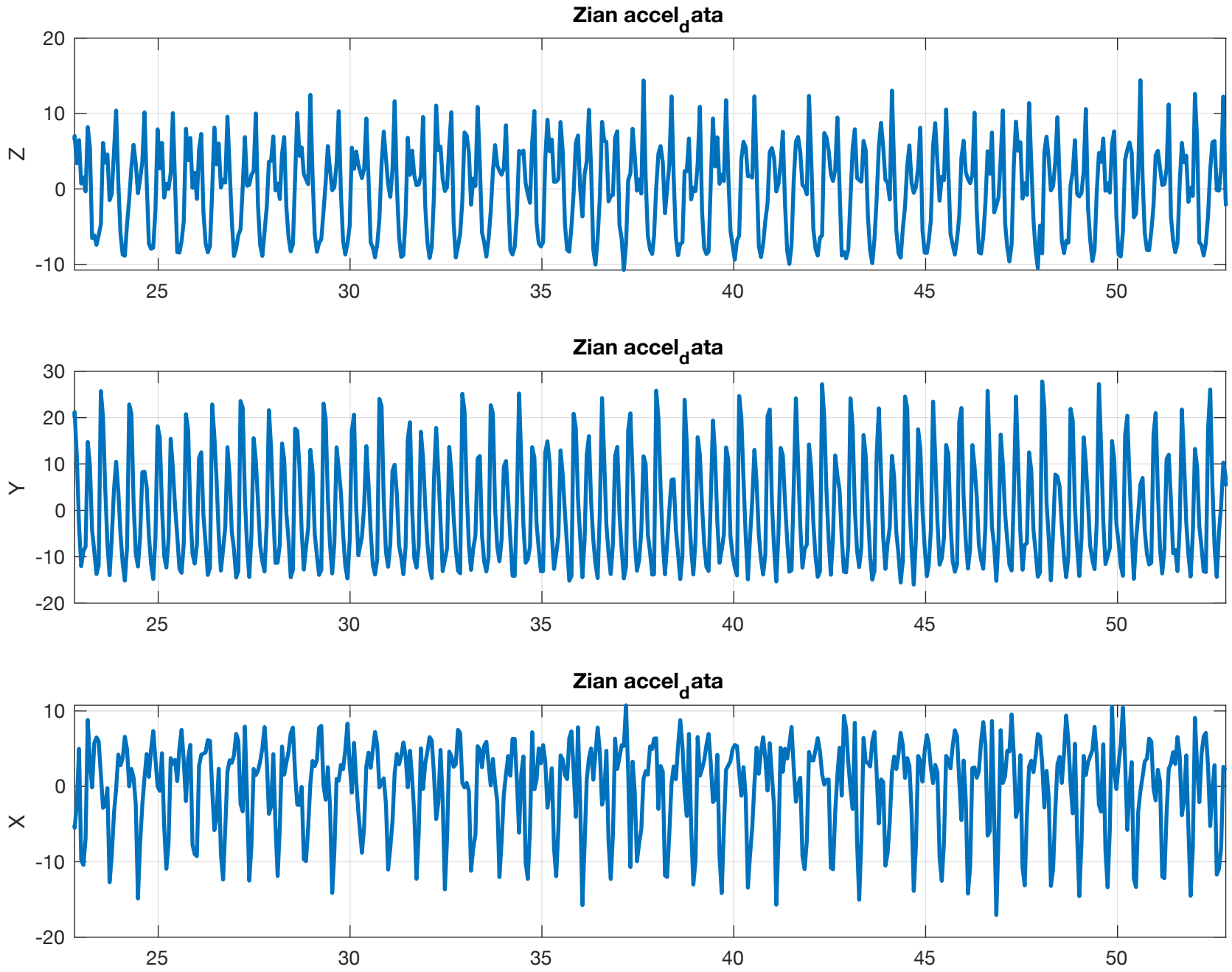
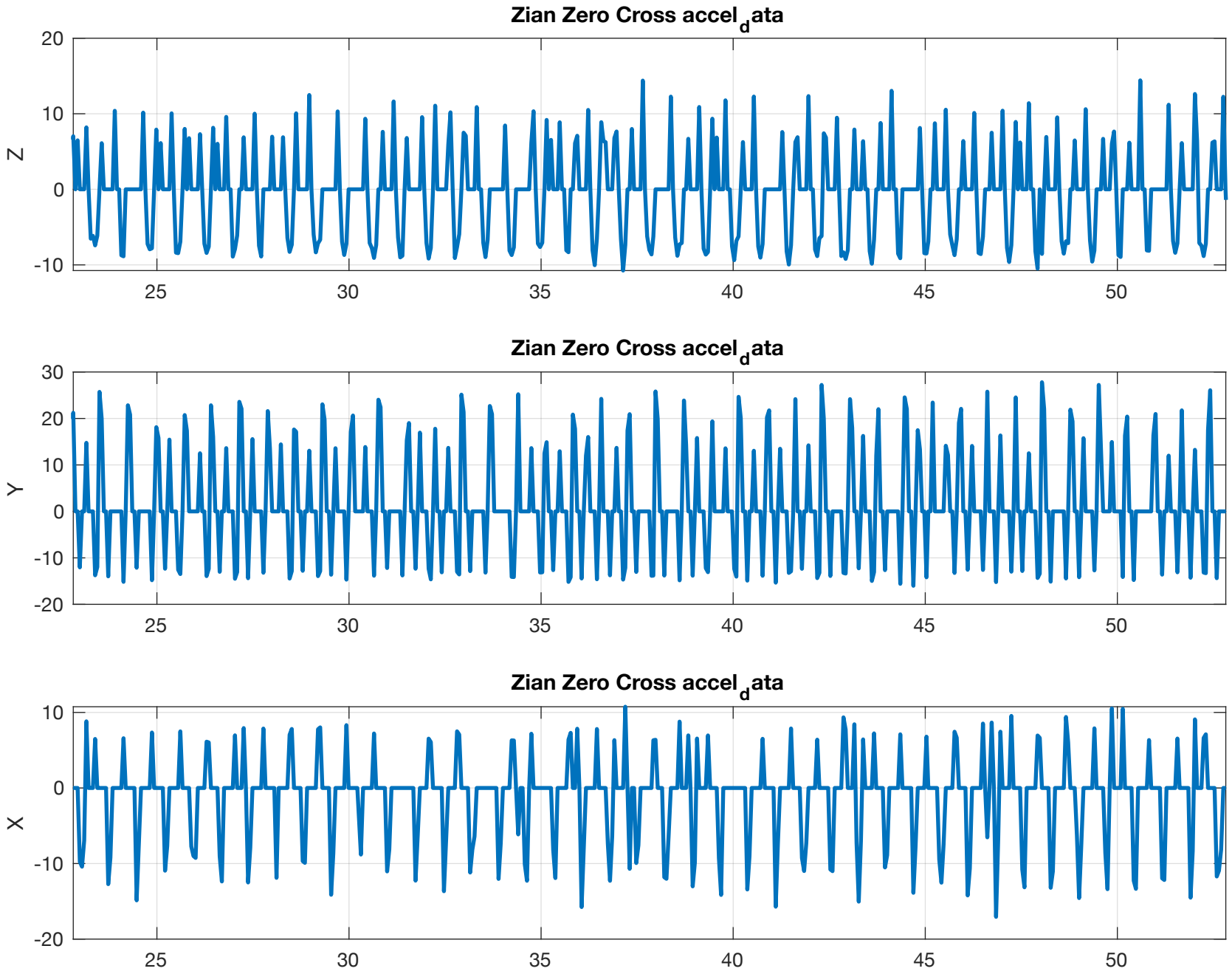
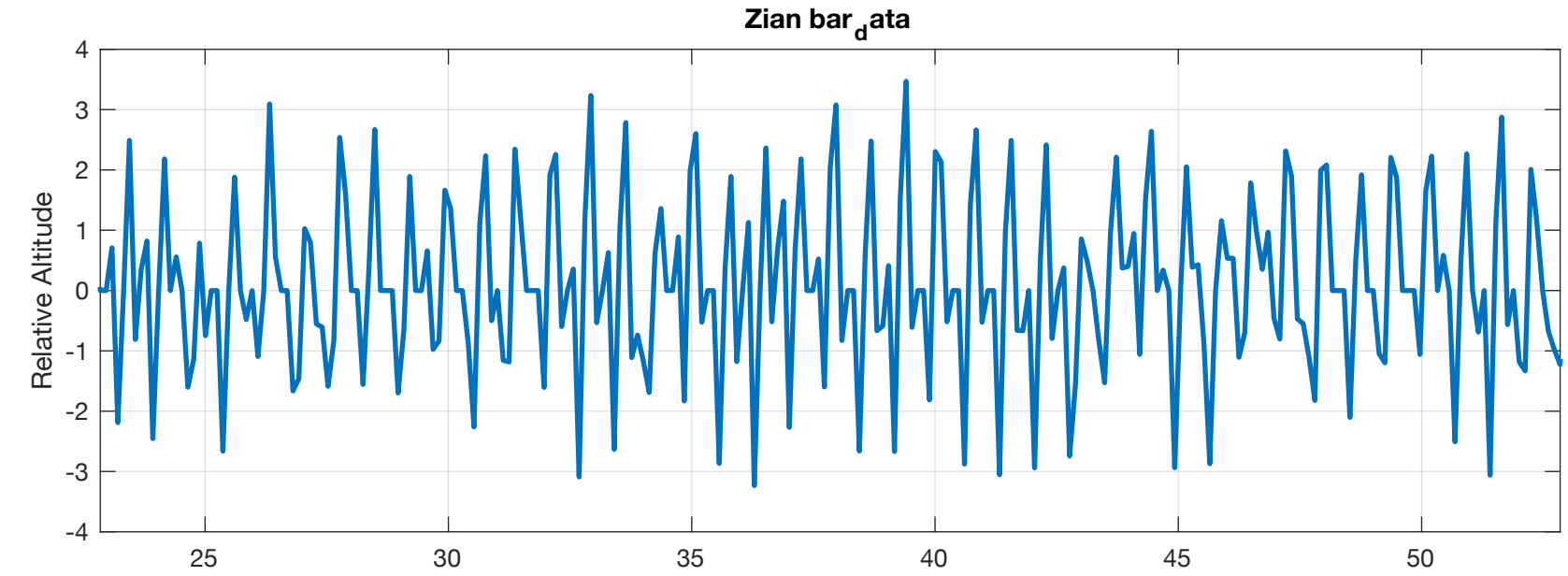
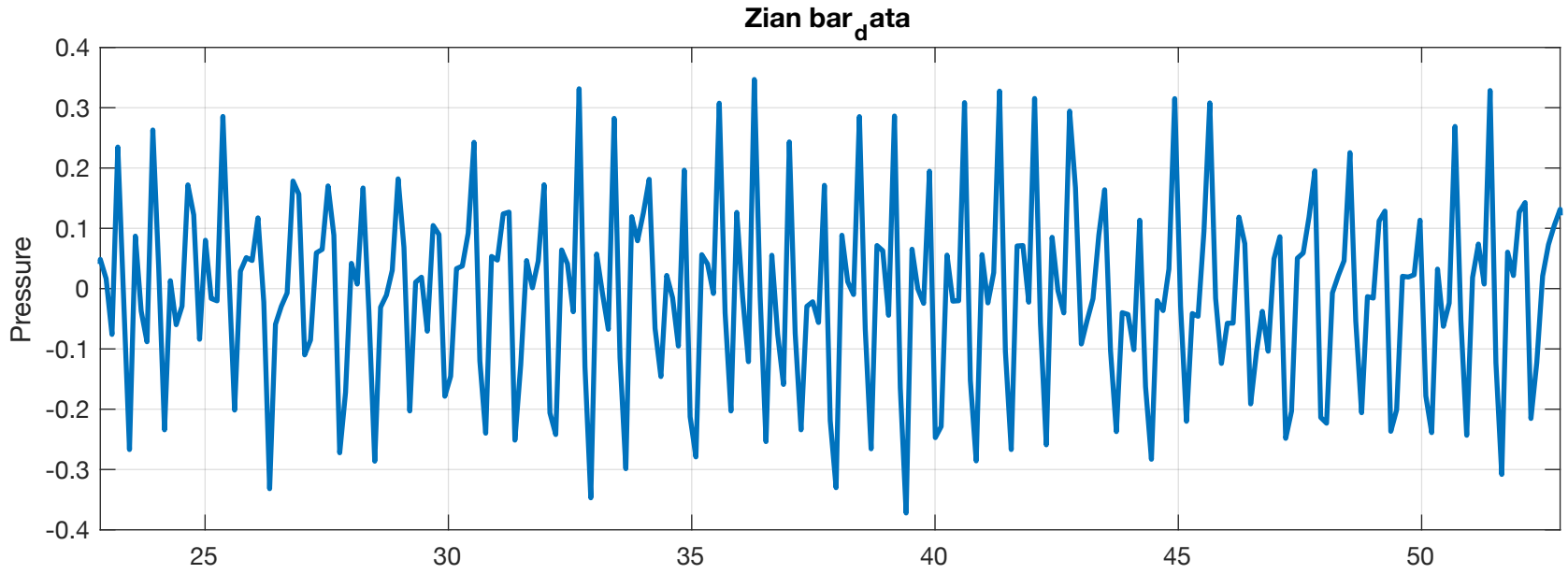
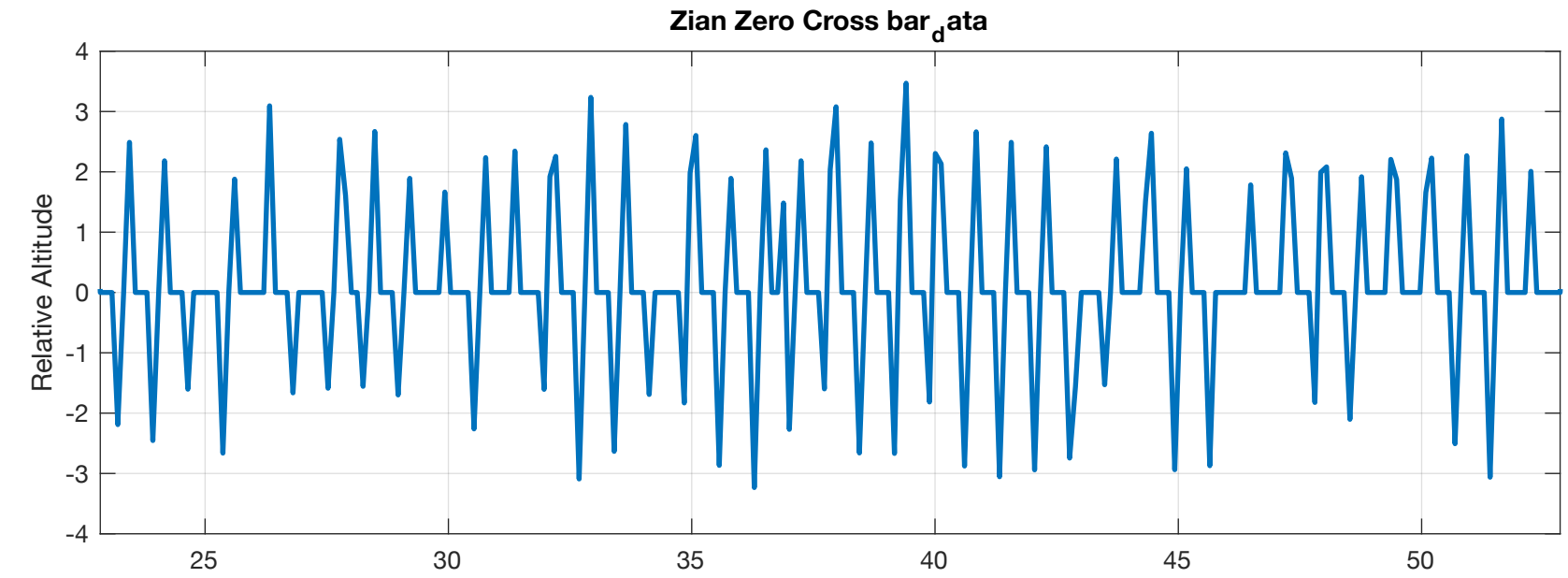

Zian accel_data
Z
20
10
0
-10
25
30
35
40
45
50
Zian accel_data
Y
30
20
10
0
-10
-20
25
30
35
40
45
50
Zian accel_data
X
10
0
-10
-20
25
30
35
40
45
50

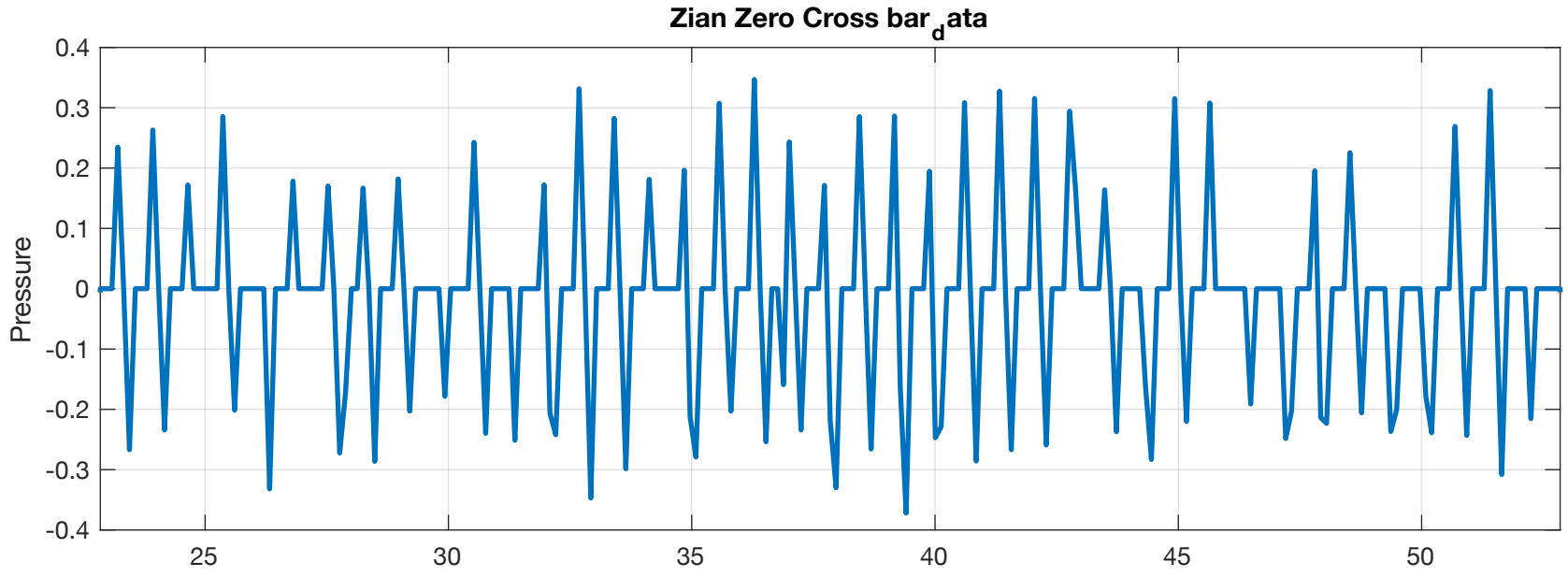

Zian Zero Cross accel_data
Z
20
10
0
-10
25
30
35
40
45
50
Zian Zero Cross accel_data
Y
30
20
10
0
-10
-20
25
30
35
40
45
50
Zian Zero Cross accel_data
X
10
0
-10
-20
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-84	-67	96	55	"accel_data"
'Y'	-7	-3	105	32.5000	"accel_data"
'X'	-106	-96	96	77.5000	"accel_data"

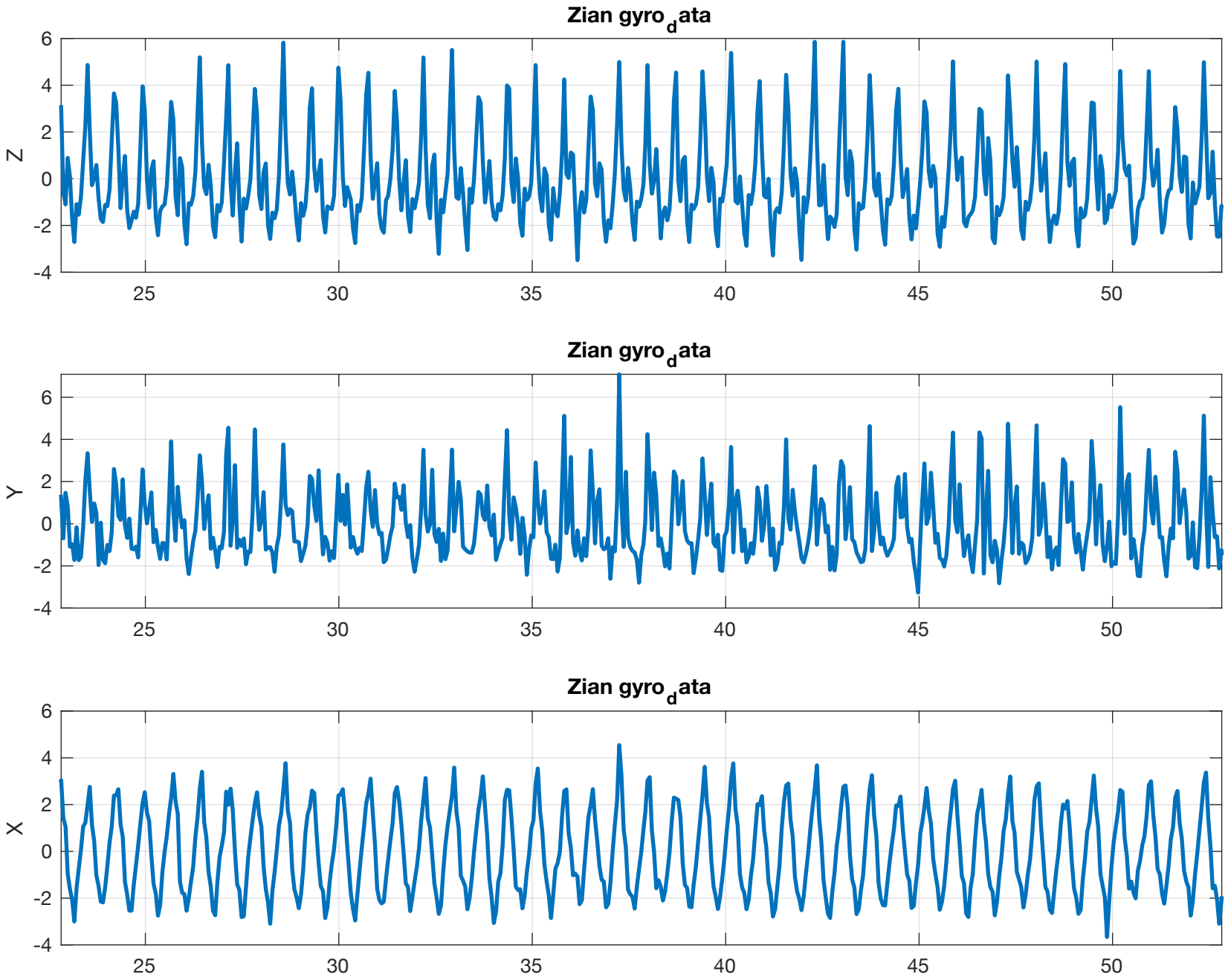

Zian bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
25
30
35
40
45
50

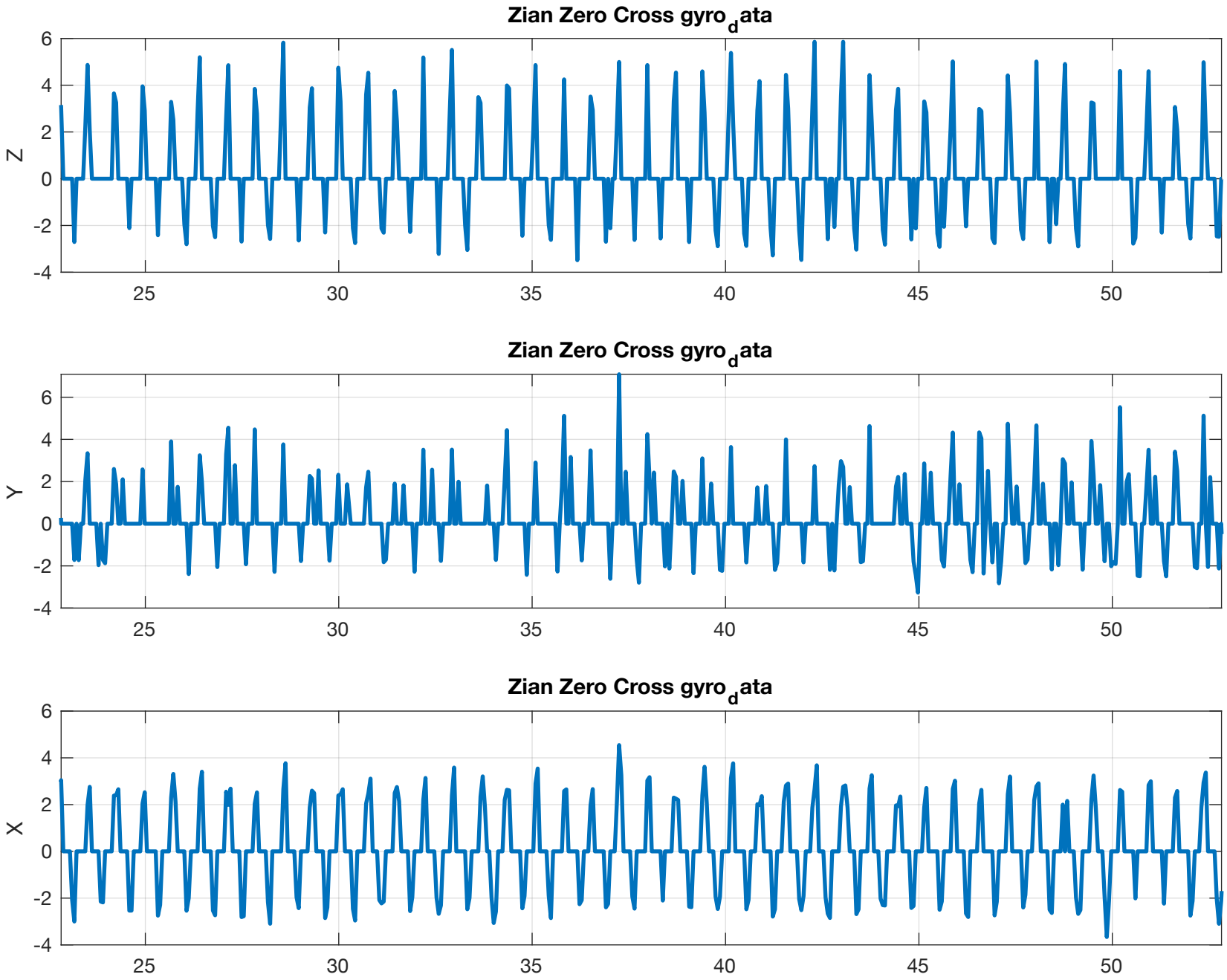

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
25
30
35
40
45
50


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

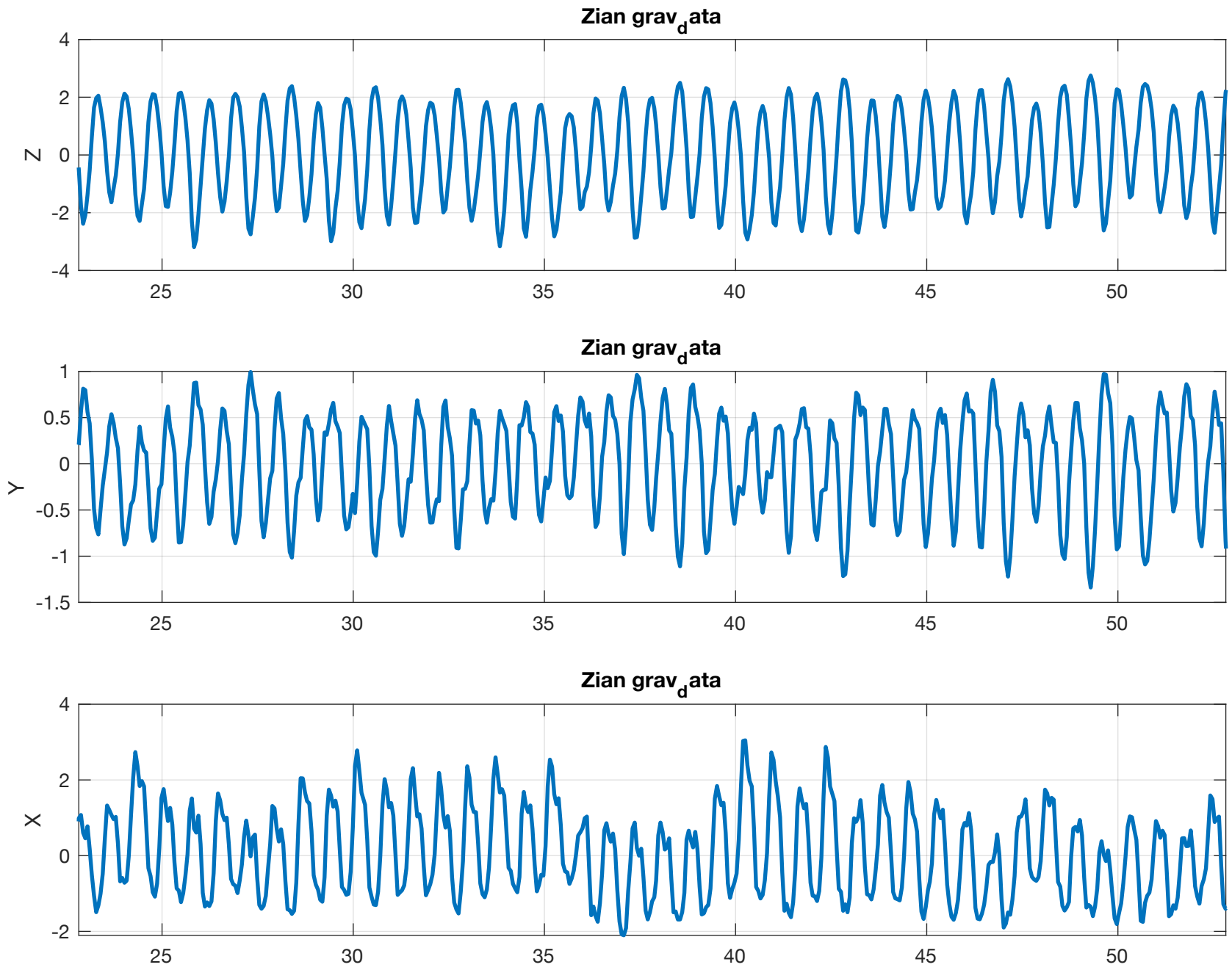

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
25
30
35
40
45
50

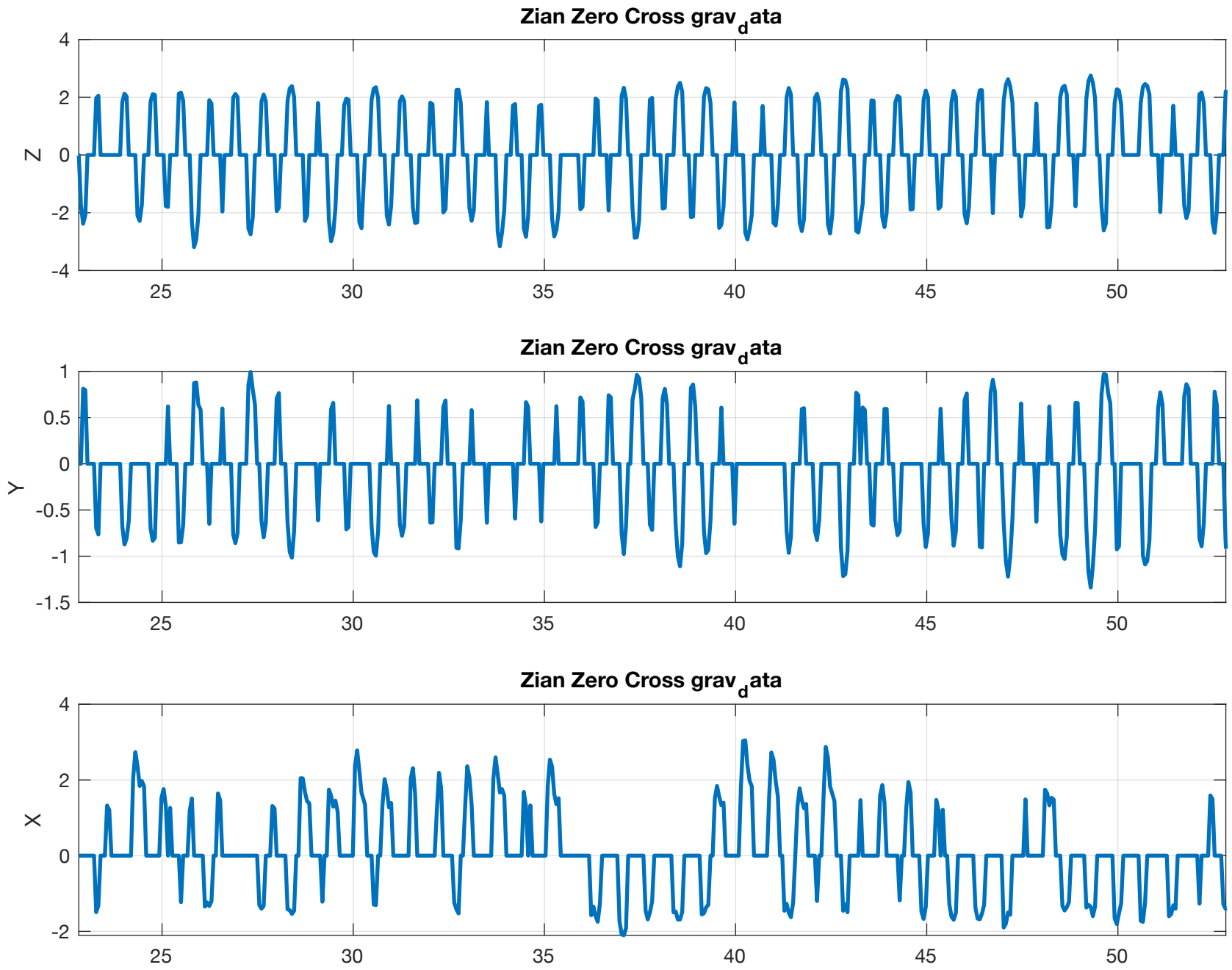
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	27	53	123	112.5000	"bar_data"
"Pressure"	16	26	120	112	"bar_data"


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

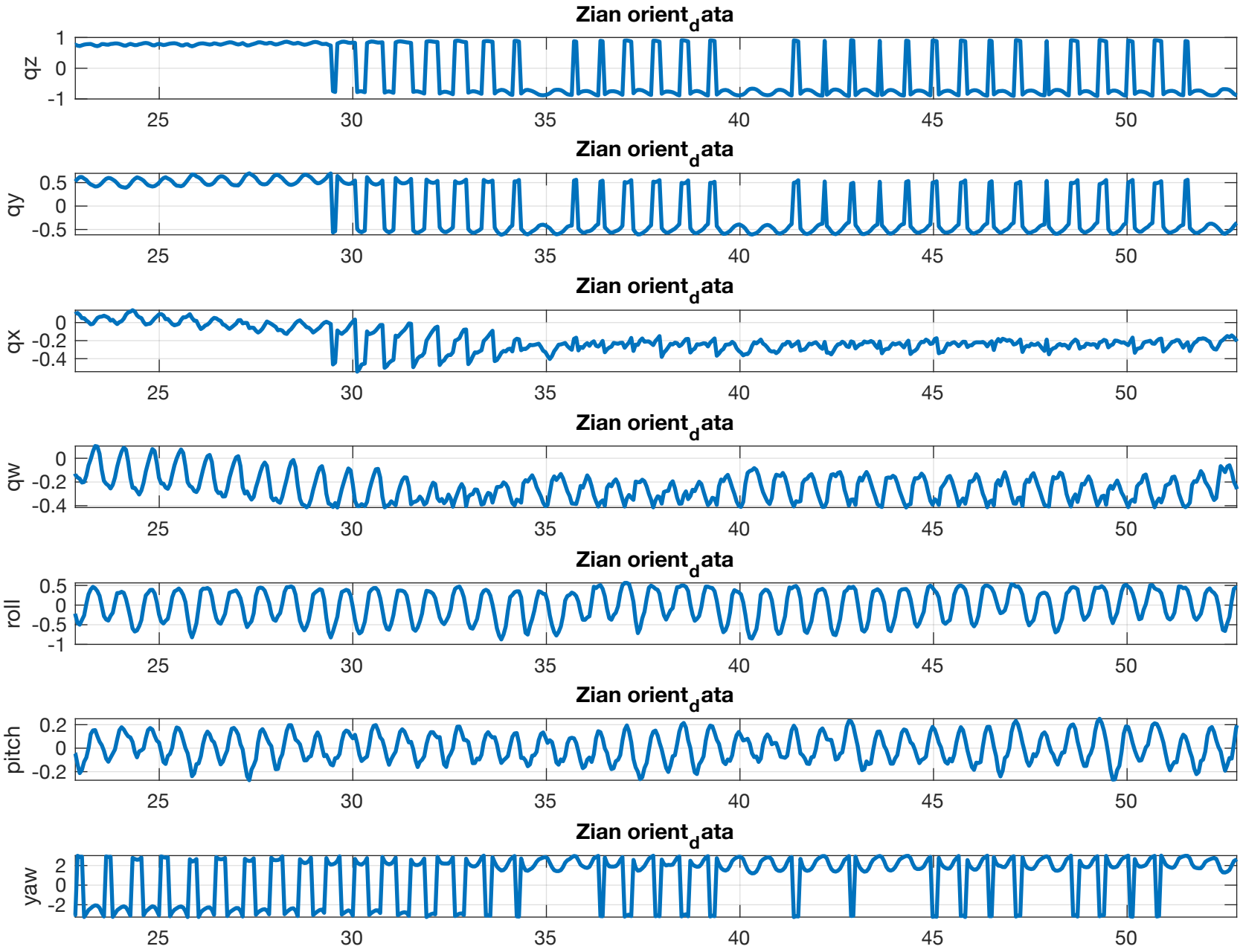

Zian Zero Cross gyro_data
Z
6
4
2
0
-2
-4
25
30
35
40
45
50
Zian Zero Cross gyro_data
Y
6
4
2
0
-2
-4
25
30
35
40
45
50
Zian Zero Cross gyro_data
X
6
4
2
0
-2
-4
25
30
35
40
45
50

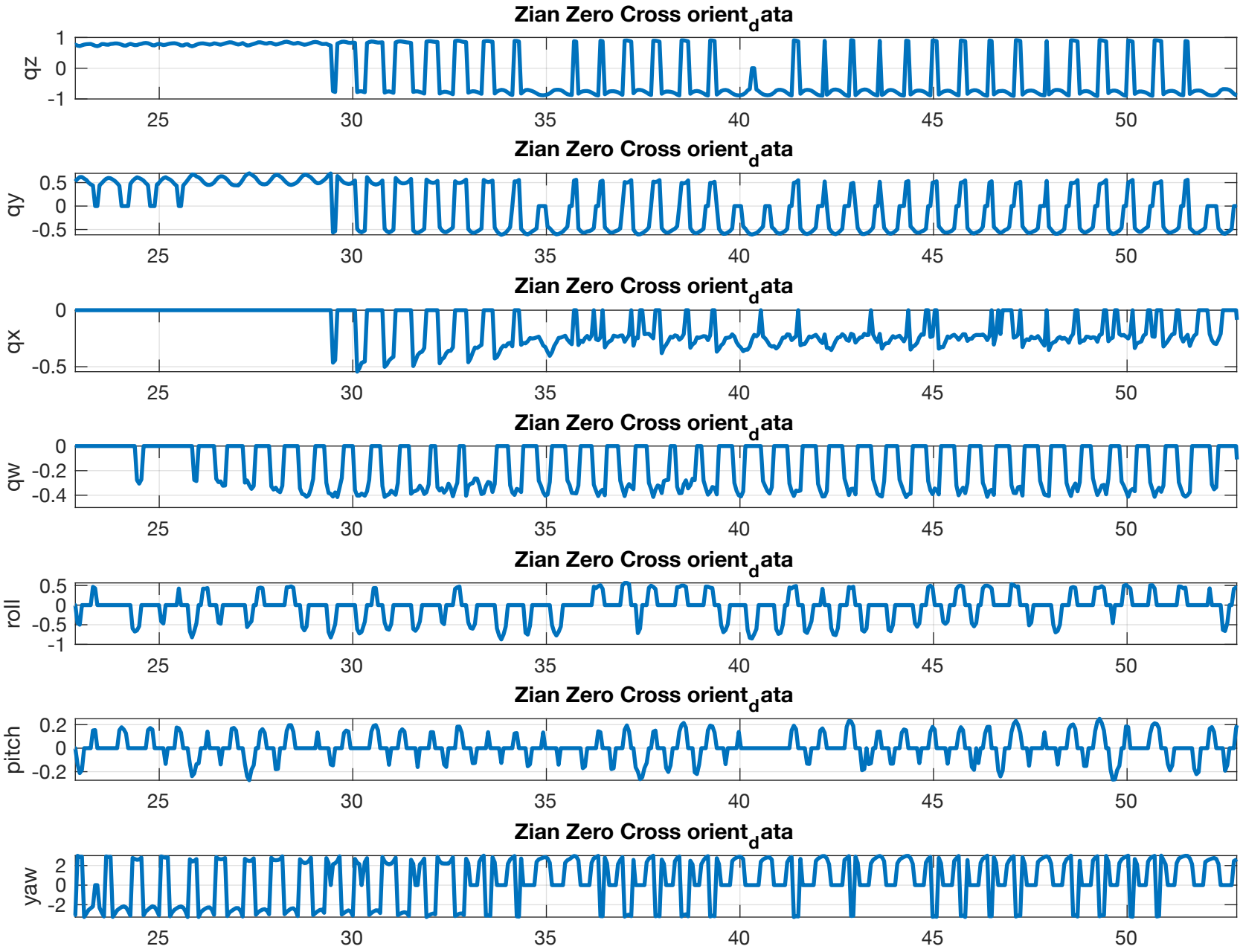
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-94	3	99	100	"gyro_data"
'Y'	-147	-24	95	54.5000	"gyro_data"
'X'	70	86	156	99	"gyro_data"


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	99	168	105	"grav_data"
'Y'	55	66	153	110.2500	"grav_data"
'X'	-2	28	134	125.7500	"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	86	139	154.5000	"orient_data"
'qy'	48	104	165	148.5000	"orient_data"
'qx'	30	125	178	163.2500	"orient_data"
'qw'	23	109	176	167.7500	"orient_data"
'roll'	75	78	158	125.5000	"orient_data"
'pitch'	54	87	150	108.7500	"orient_data"
'yaw'	31	84	152	130	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'findpeaks_above_zero'	3
'bar_data'	"Pressure"	'findpeaks'	16
'gyro_data'	"Z"	'findpeaks_above_zero'	3
'grav_data'	"X"	'findpeaks'	2
'orient_data'	"qw"	'findpeaks'	23