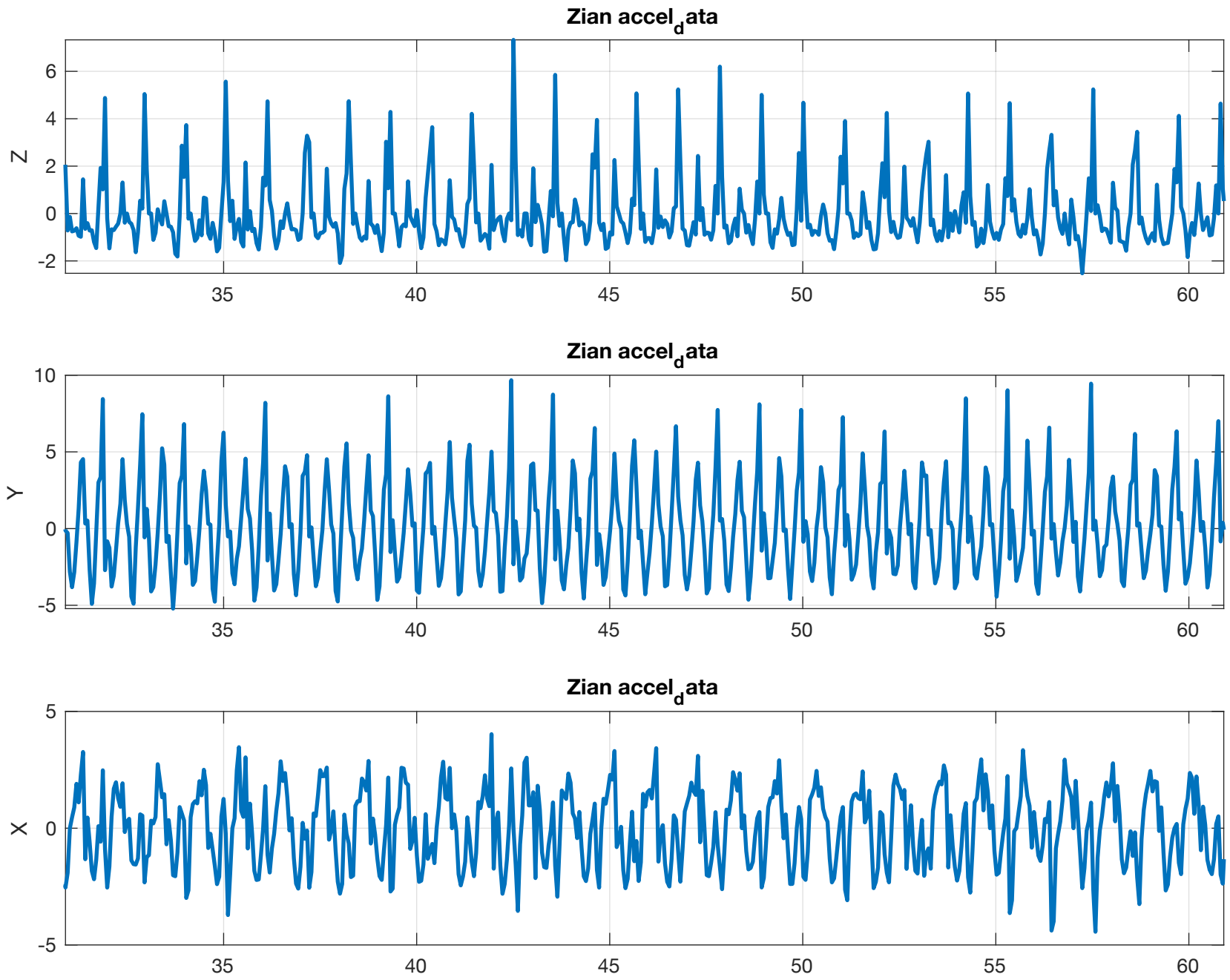
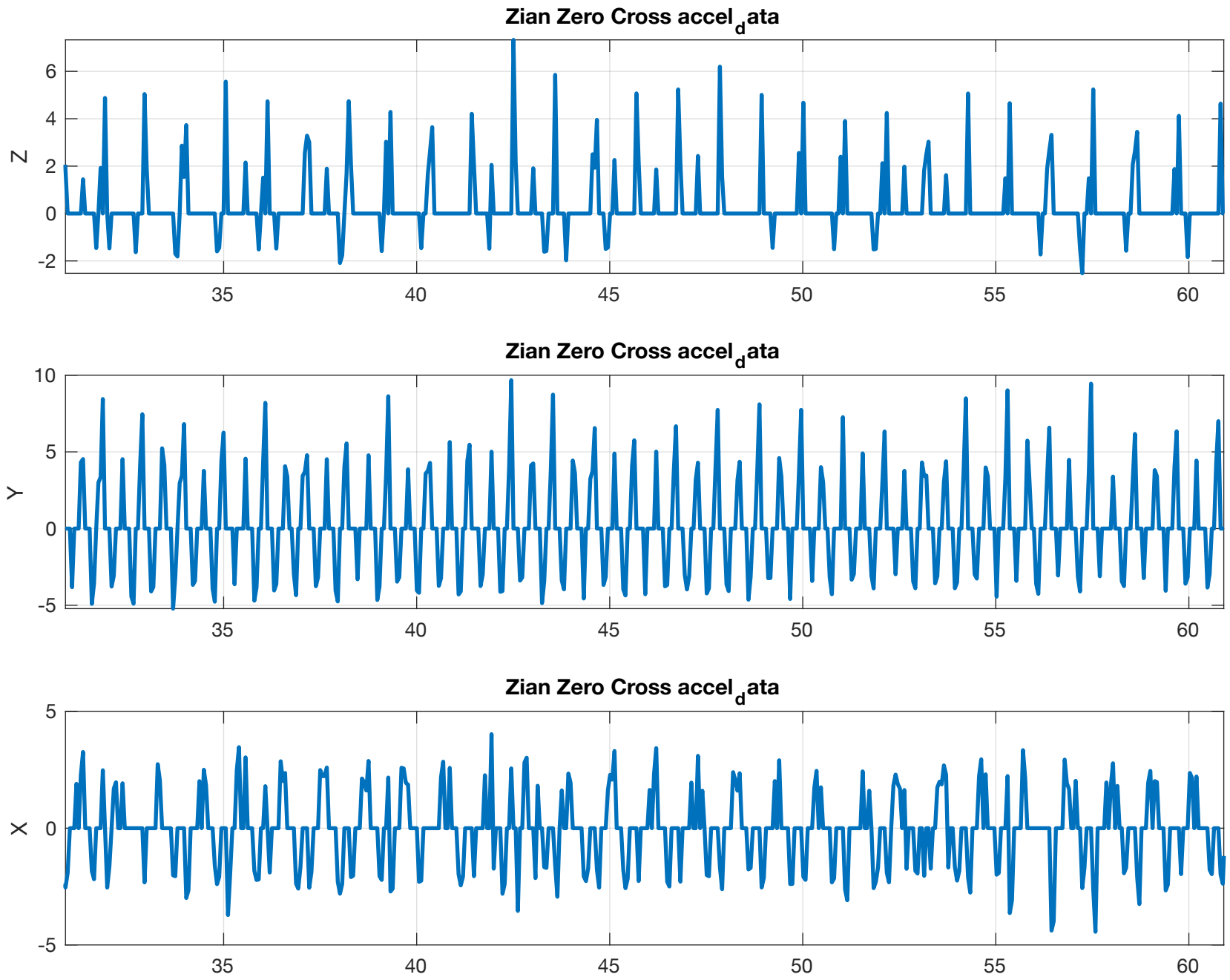
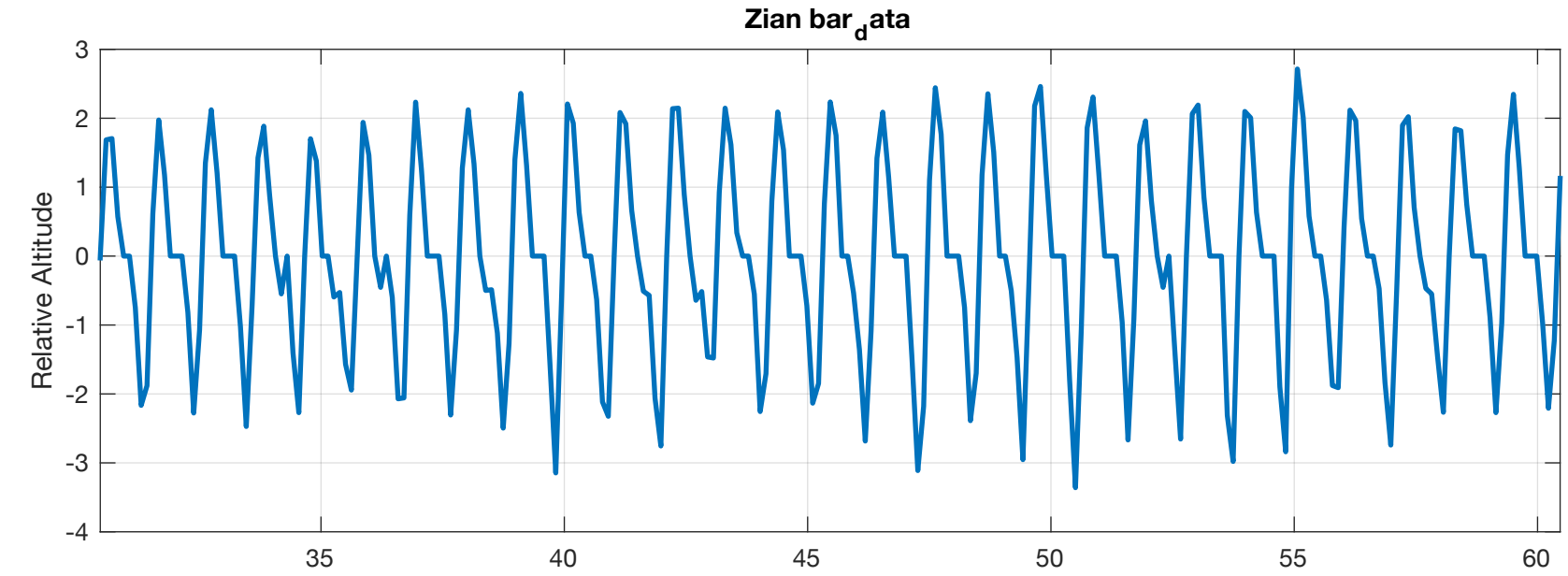
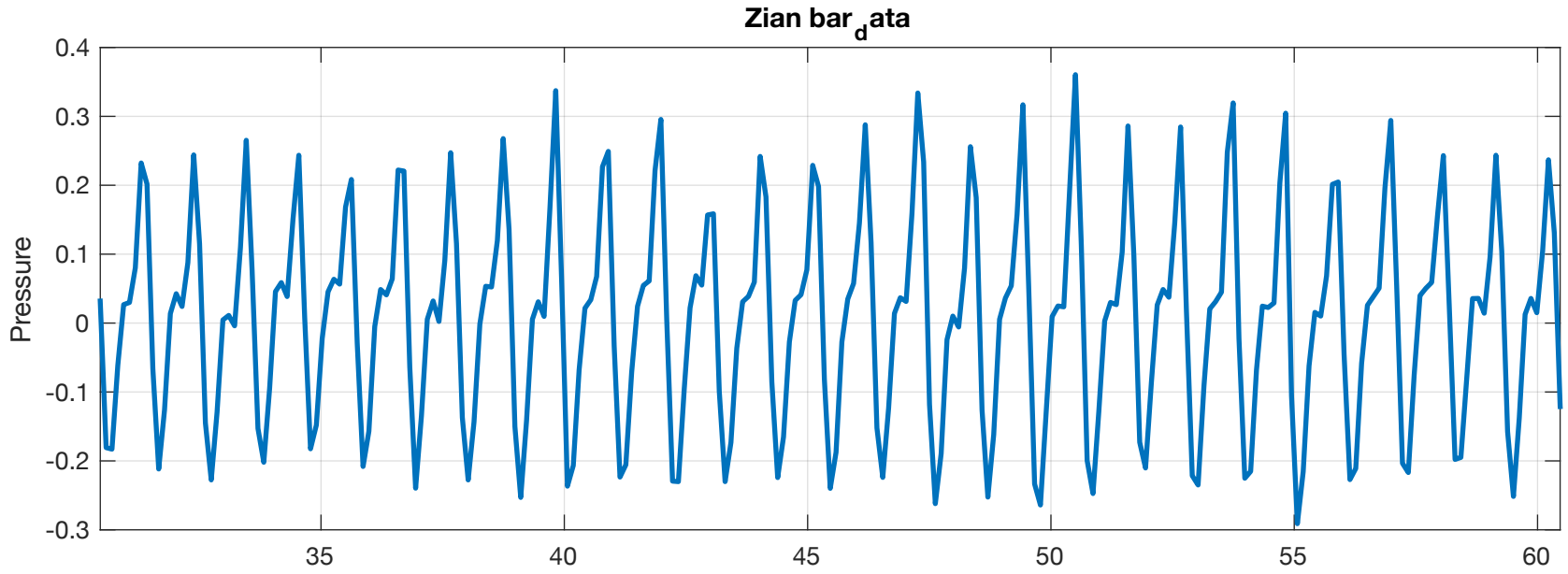
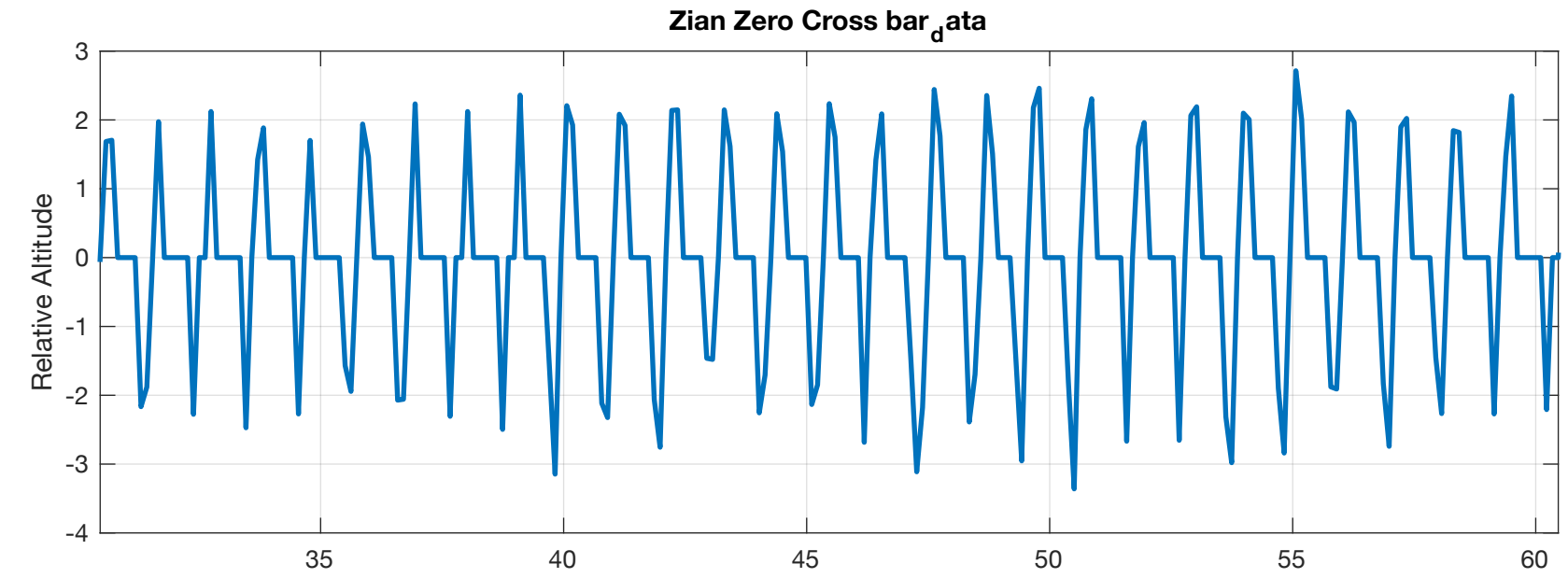

Zian accel_data
Z
6
4
2
0
-2
35
40
45
50
55
60
Zian accel_data
Y
10
5
0
-5
35
40
45
50
55
60
Zian accel_data
X
5
0
-5
35
40
45
50
55
60

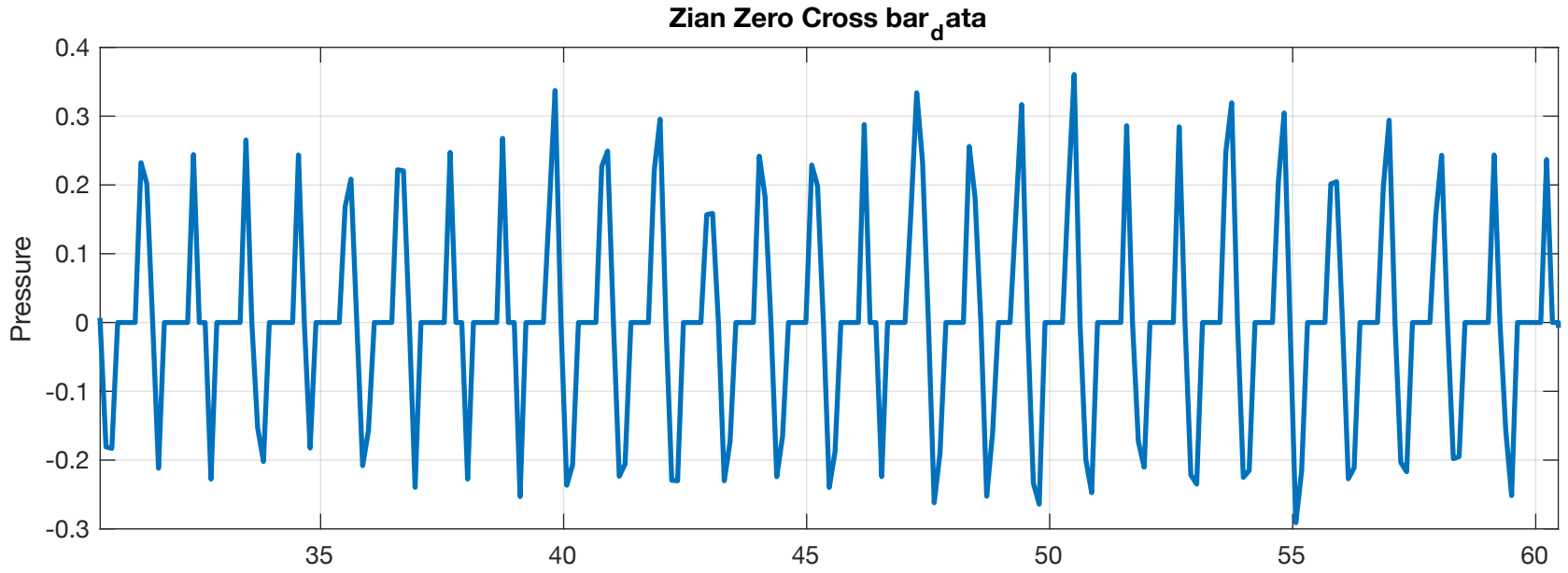

Zian Zero Cross accel_data
Z
6
4
2
0
-2
35
40
45
50
55
60
Zian Zero Cross accel_data
Y
10
5
0
-5
35
40
45
50
55
60
Zian Zero Cross accel_data
X
5
0
-5
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-330.000	-116.000	14.000	76.000	"accel_data"
'Y'	-156.000	-92.000	61.000	0.500	"accel_data"
'X'	-264.000	-223.000	75.000	8.000	"accel_data"

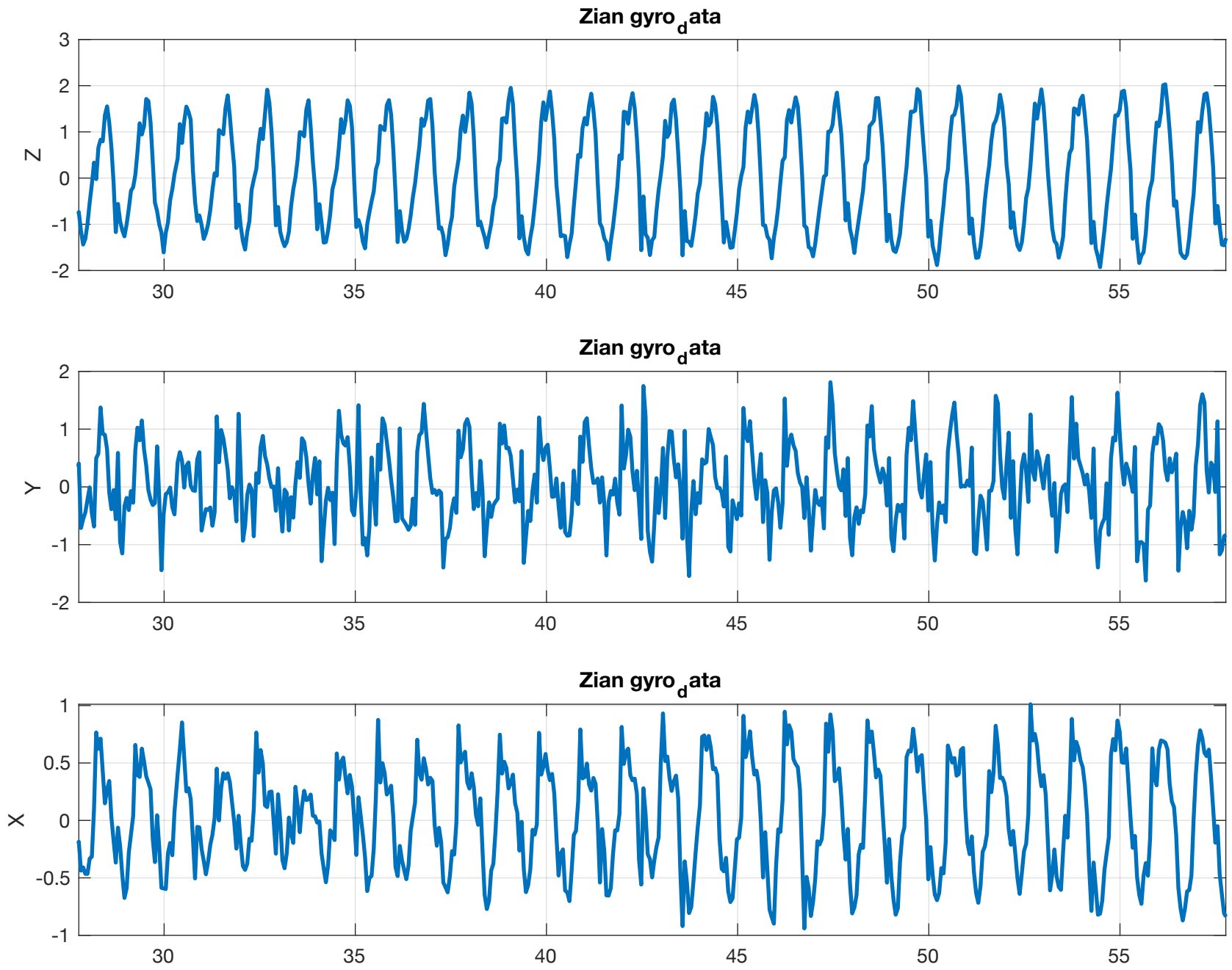

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
-4
35
40
45
50
55
60

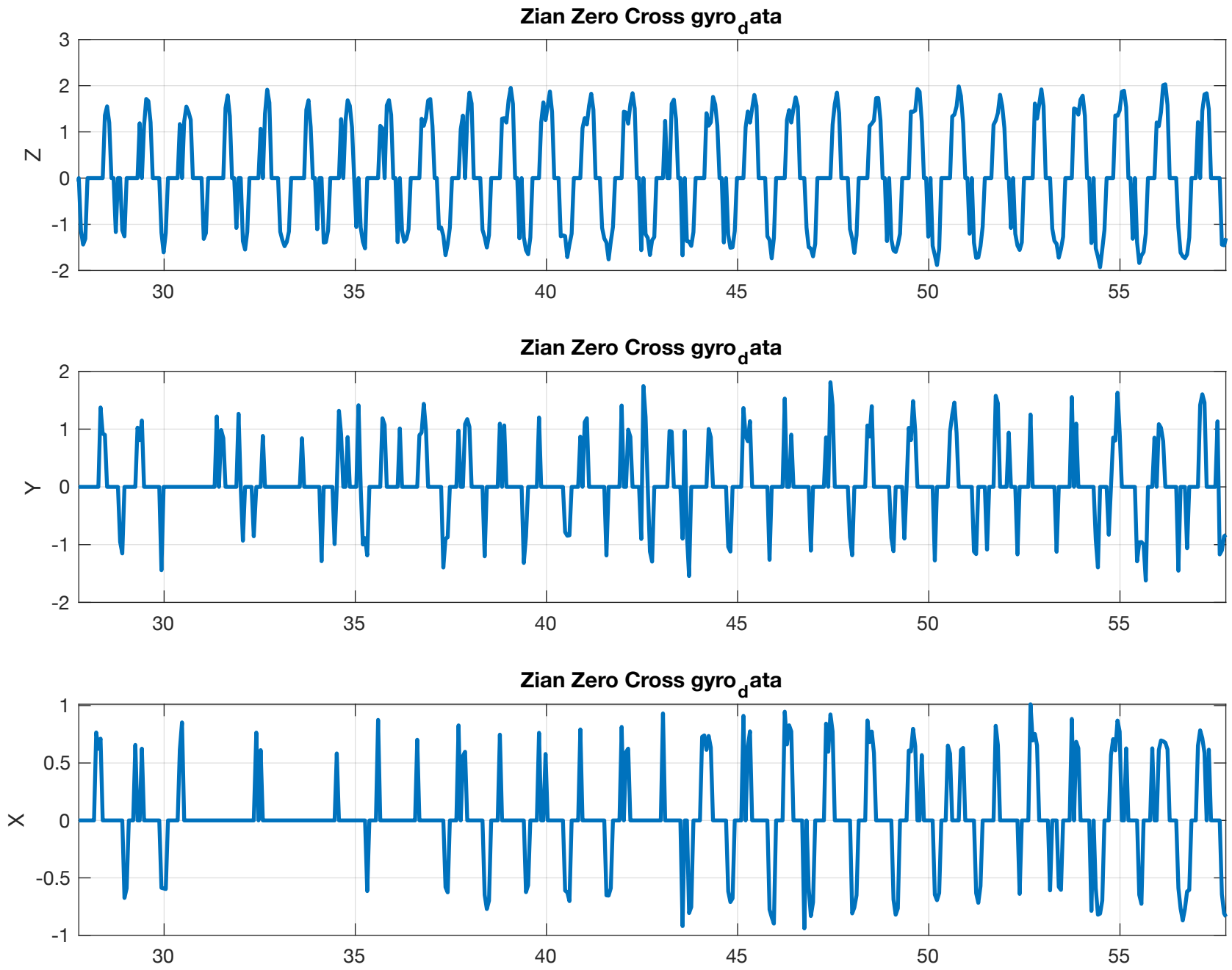

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60


Zian Zero Cross bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
-4
35
40
45
50
55
60

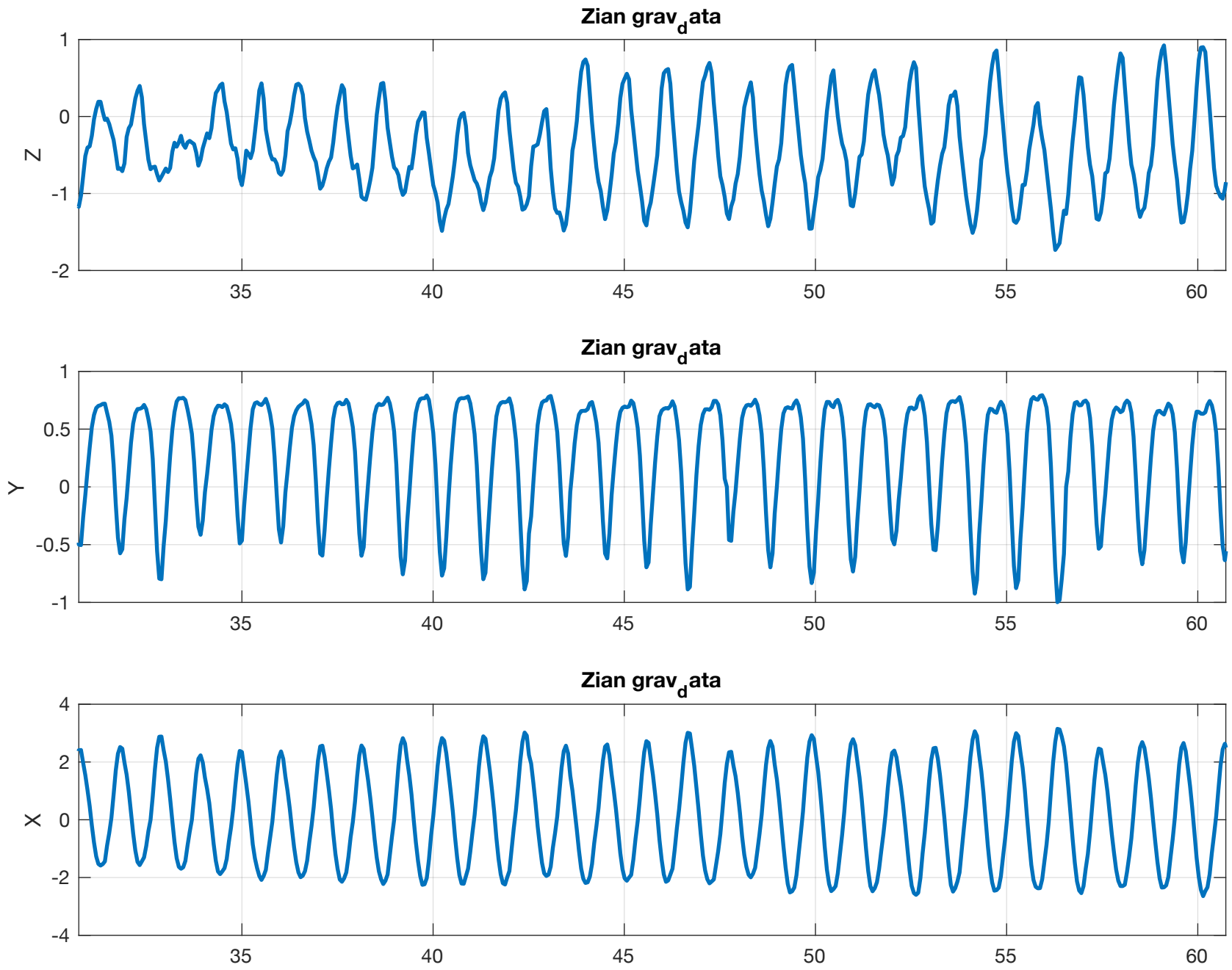

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60

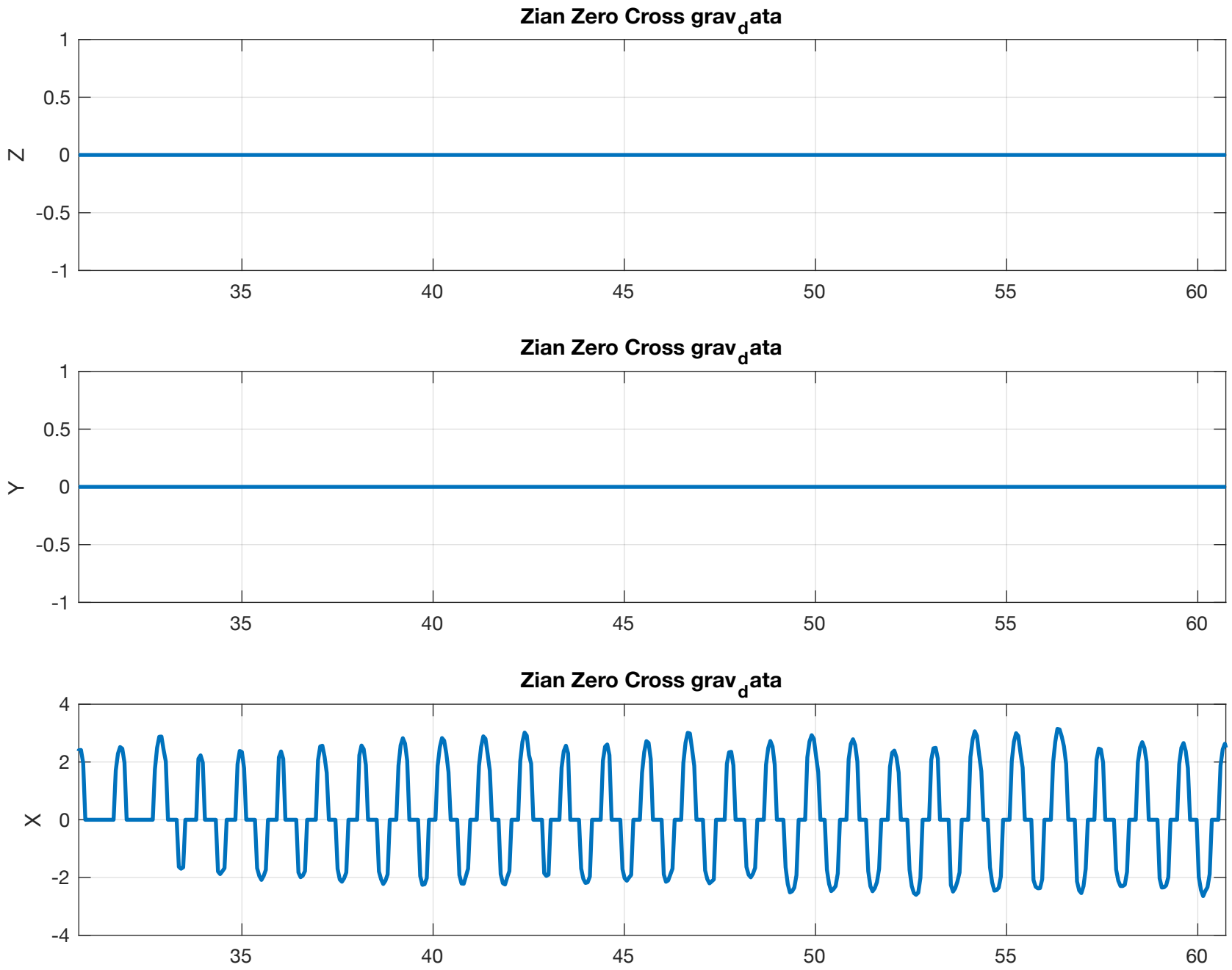
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	72.000	98.000	159.000	100.500	"bar_data"
"Pressure"	14.000	18.000	118.000	100.500	"bar_data"


Zian gyro_data
Z
3
2
1
0
-1
-2
30
35
40
45
50
55
Zian gyro_data
Y
2
1
0
-1
-2
30
35
40
45
50
55
Zian gyro_data
X
1
0.5
0
-0.5
-1
30
35
40
45
50
55

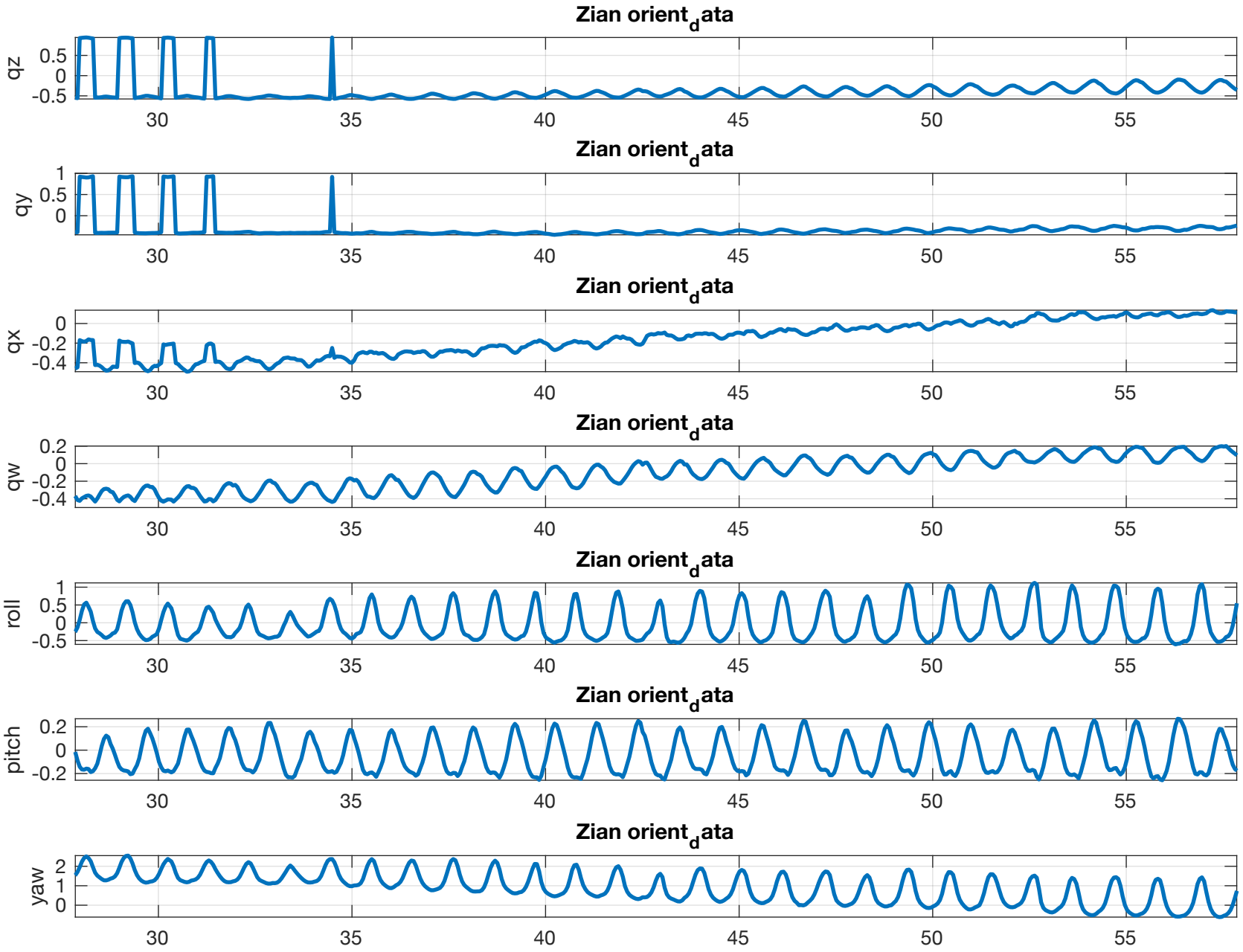

Zian Zero Cross gyro_data
Z
3
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
-1
30
35
40
45
50
55

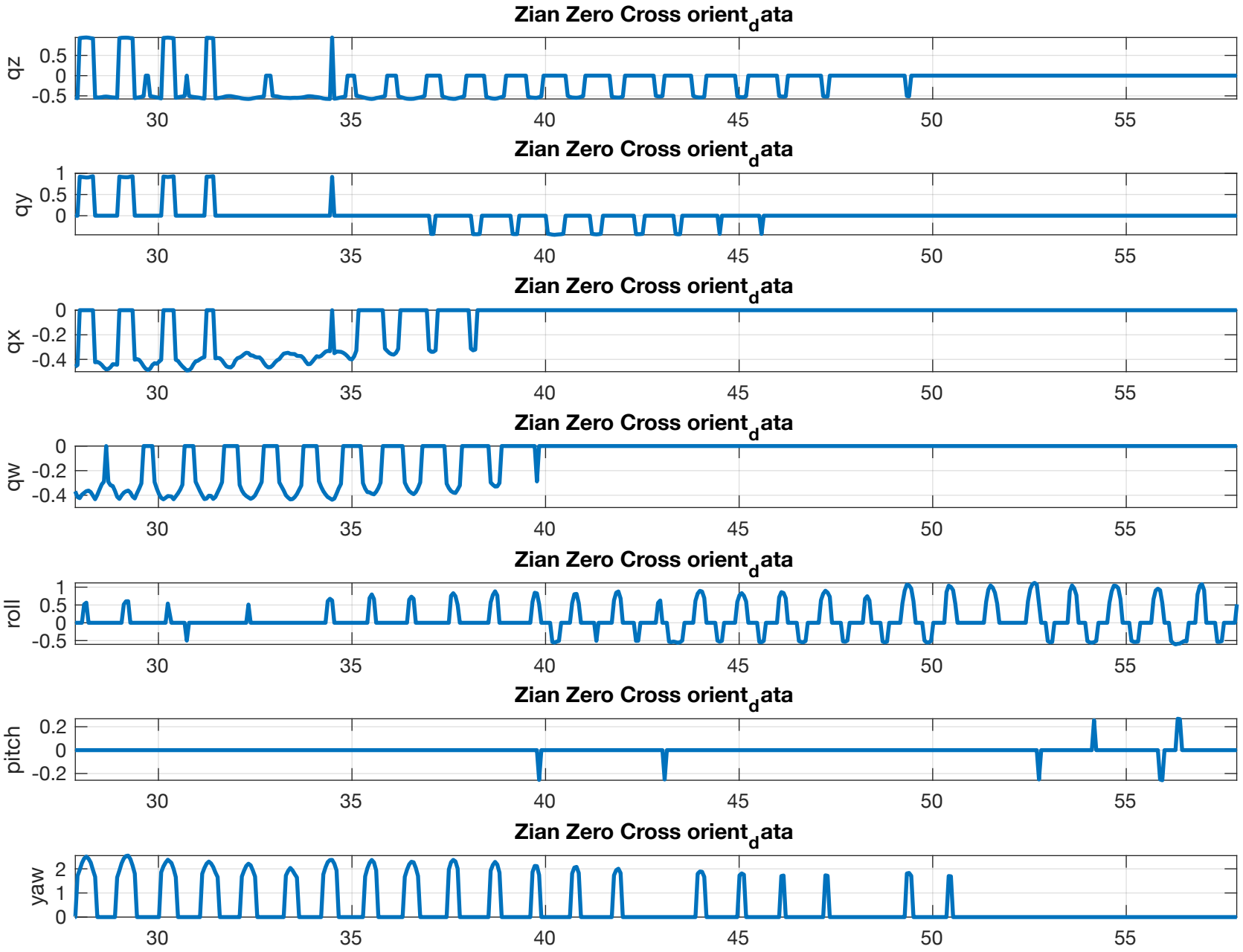
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-89.000	2.000	109.000	72.500	"gyro_data"
'Y'	-277.000	-160.000	55.000	63.000	"gyro_data"
'X'	-177.000	-79.000	102.000	91.500	"gyro_data"


Zian grav_data
Z
1
0
-1
-2
35
40
45
50
55
60
Zian grav_data
Y
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Zian grav_data
X
4
2
0
-2
-4
35
40
45
50
55
60


Zian Zero Cross grav_data
Z
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Zian Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Zian Zero Cross grav_data
X
4
2
0
-2
-4
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	46.000	102.000	156.000	199.000	"grav_data"
'Y'	27.000	29.000	139.000	200.000	"grav_data"
'X'	86.000	95.000	170.000	108.500	"grav_data"


Zian orientdata
qz
0.5
0
-0.5
30
35
40
45
50
55
Zian orientdata
qy
1
0.5
0
30
35
40
45
50
55
Zian orientdata
qx
0
-0.2
-0.4
30
35
40
45
50
55
Zian orientdata
qw
0.2
0
-0.2
-0.4
30
35
40
45
50
55
Zian orientdata
roll
1
0.5
0
-0.5
30
35
40
45
50
55
Zian orientdata
pitch
0.2
0
-0.2
30
35
40
45
50
55
Zian orientdata
yaw
2
1
0
30
35
40
45
50
55


Zian Zero Cross orientdata
qz
0.5
0
-0.5
30
35
40
45
50
55
Zian Zero Cross orientdata
qy
1
0.5
0
30
35
40
45
50
55
Zian Zero Cross orientdata
qx
0
-0.2
-0.4
30
35
40
45
50
55
Zian Zero Cross orientdata
qw
0
-0.2
-0.4
30
35
40
45
50
55
Zian Zero Cross orientdata
roll
1
0.5
0
-0.5
30
35
40
45
50
55
Zian Zero Cross orientdata
pitch
0.2
0
-0.2
30
35
40
45
50
55
Zian Zero Cross orientdata
yaw
2
1
0
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	67.000	128.000	160.000	153.250	"orient_data"
'qy'	-35.000	61.000	150.000	178.250	"orient_data"
'qx'	-35.000	105.000	168.000	181.500	"orient_data"
'qw'	39.000	116.000	177.000	171.000	"orient_data"
'roll'	86.000	108.000	167.000	133.500	"orient_data"
'pitch'	46.000	111.000	140.000	195.500	"orient_data"
'yaw'	95.000	131.000	182.000	166.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	0.500
'bar_data'	"Pressure"	'findpeaks'	14.000
'gyro_data'	"Z"	'findpeaks_above_zero'	2.000
'grav_data'	"Y"	'findpeaks'	27.000
'orient_data'	"qy"	'findpeaks'	35.000