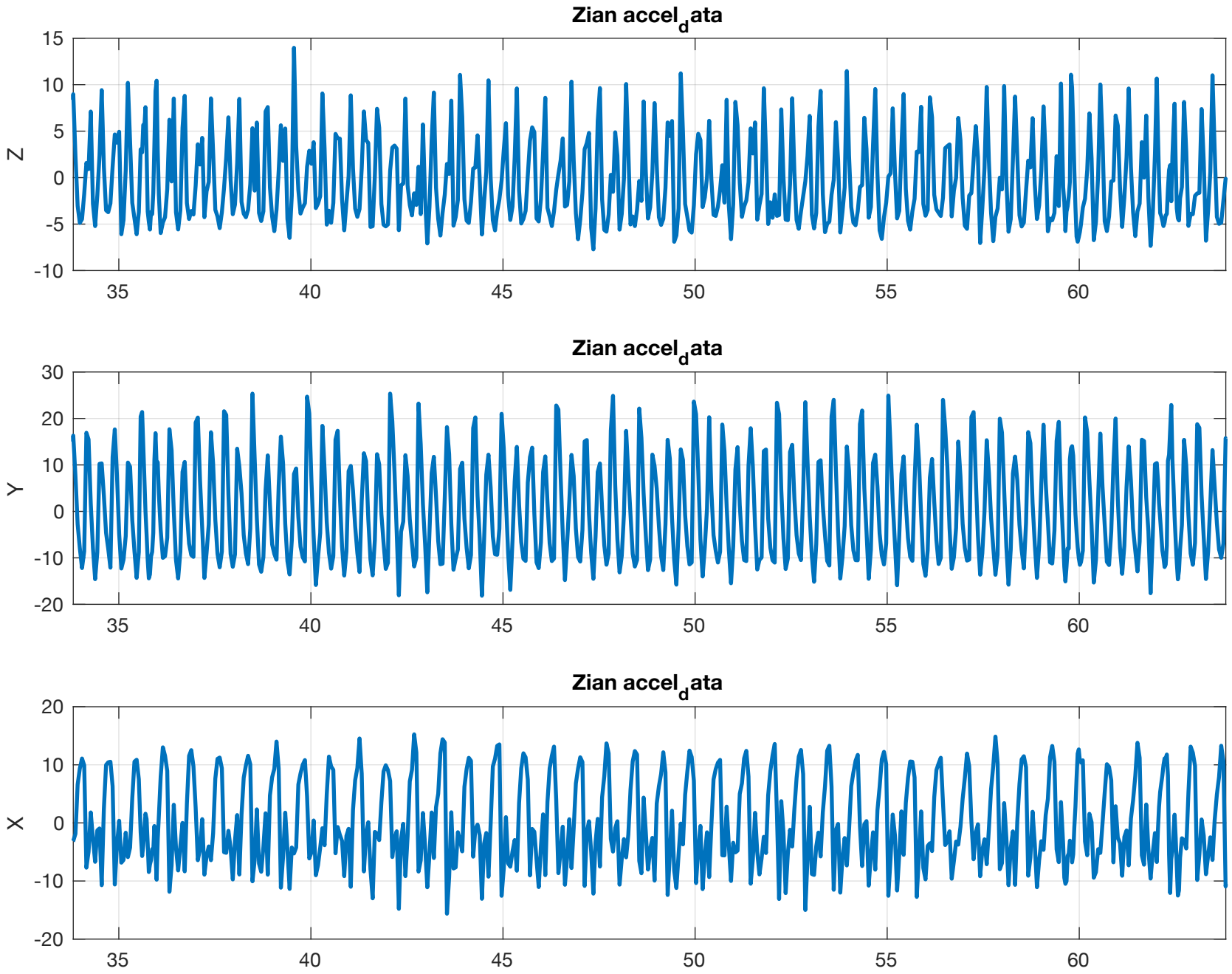
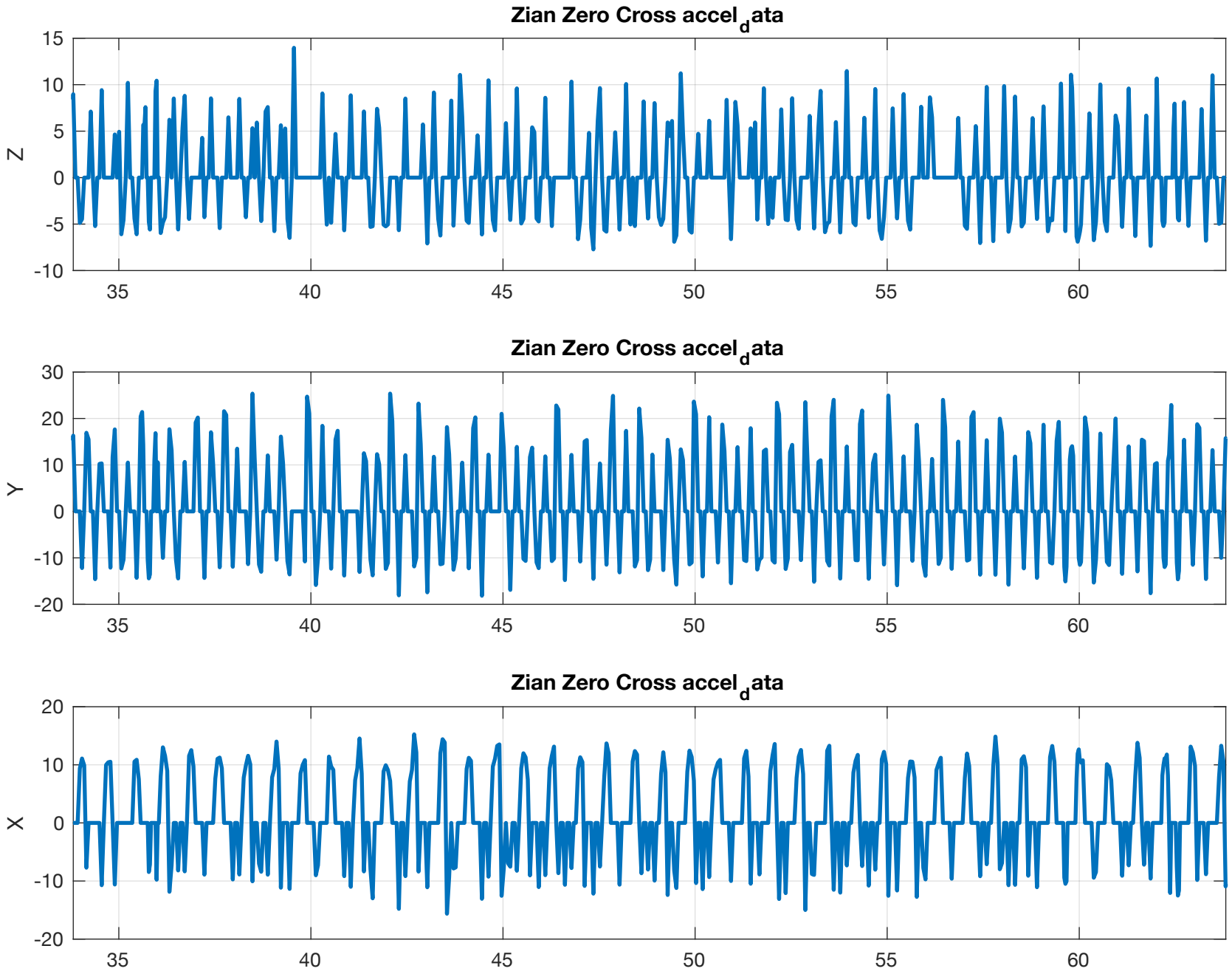
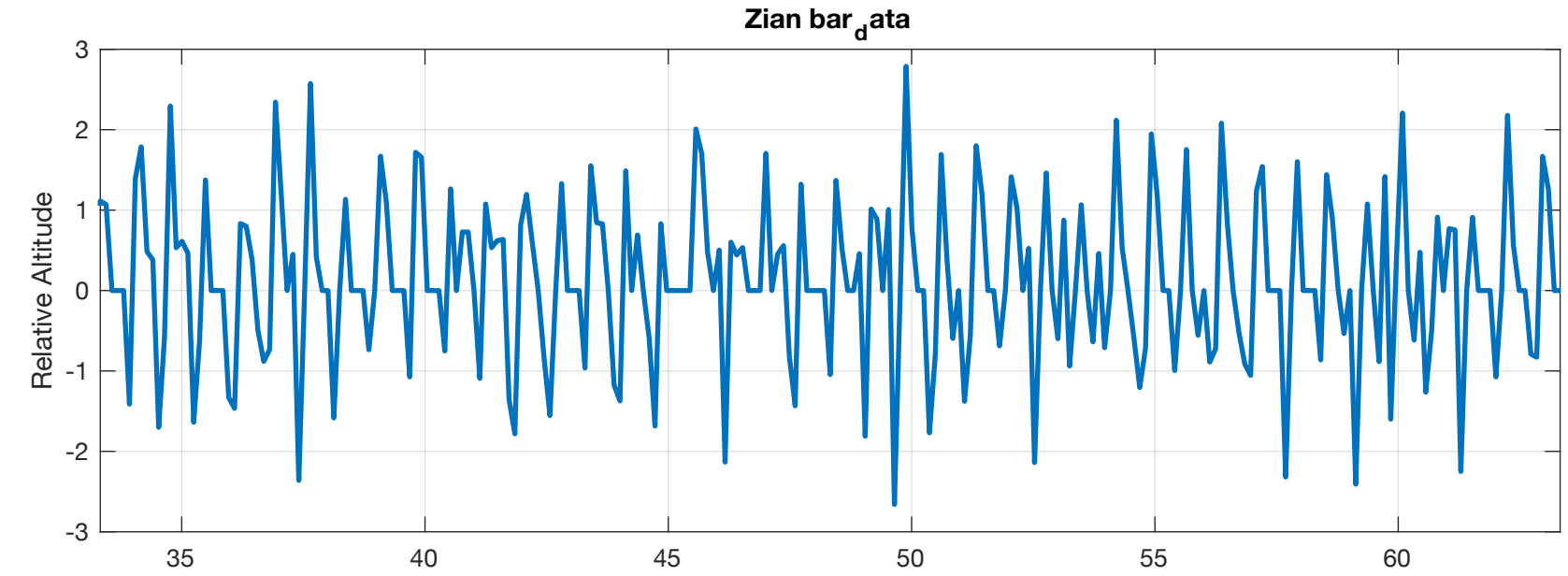
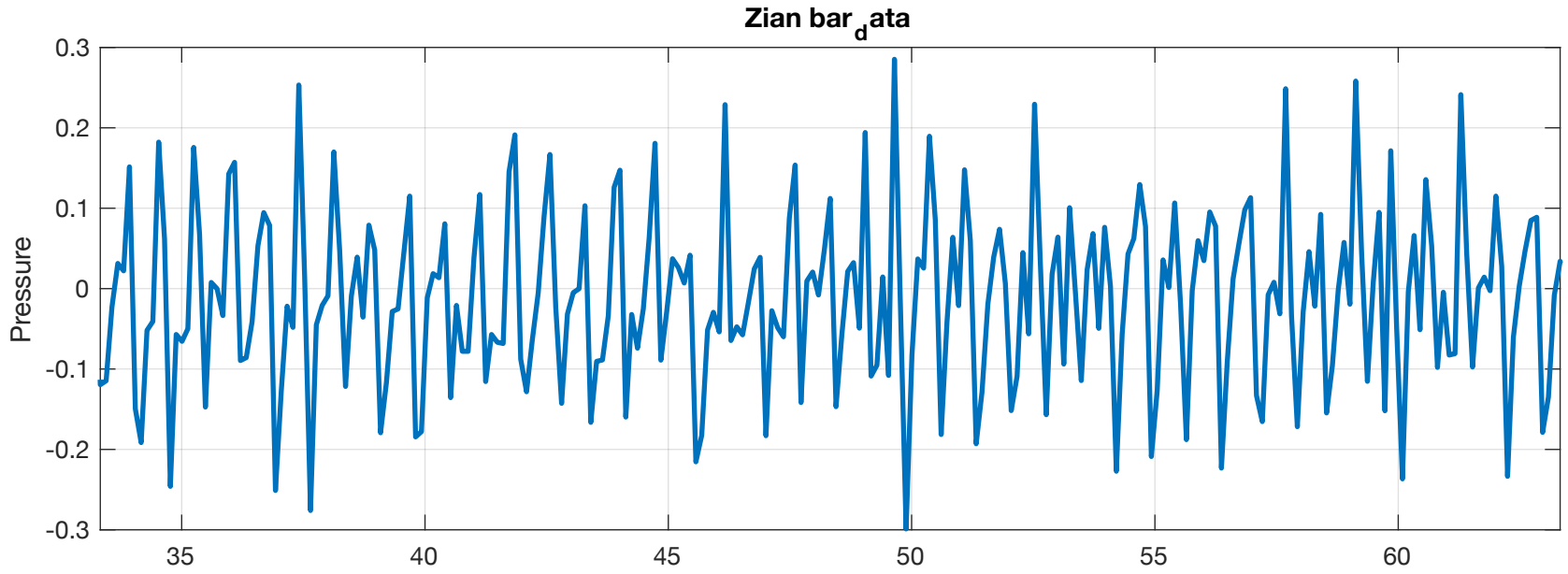
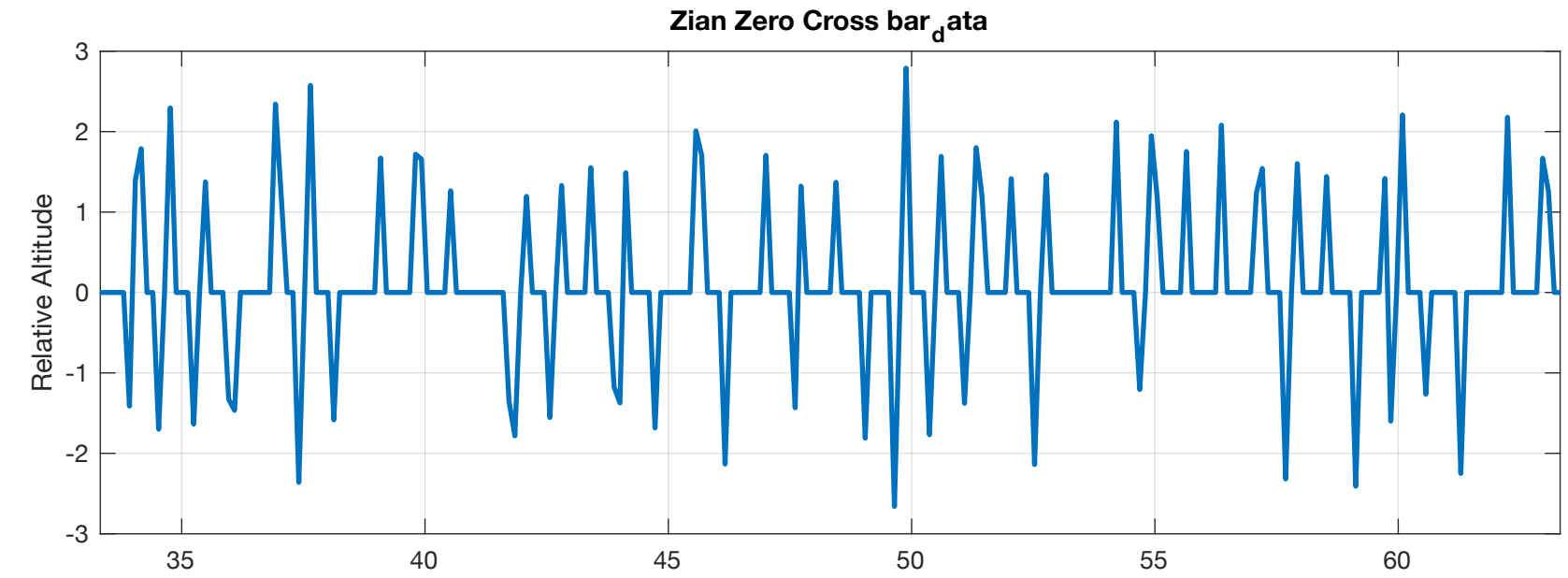

Zian accel_data
Z
15
10
5
0
-5
-10
35
40
45
50
55
60
Zian accel_data
Y
30
20
10
0
-10
-20
35
40
45
50
55
60
Zian accel_data
X
20
10
0
-10
-20
35
40
45
50
55
60

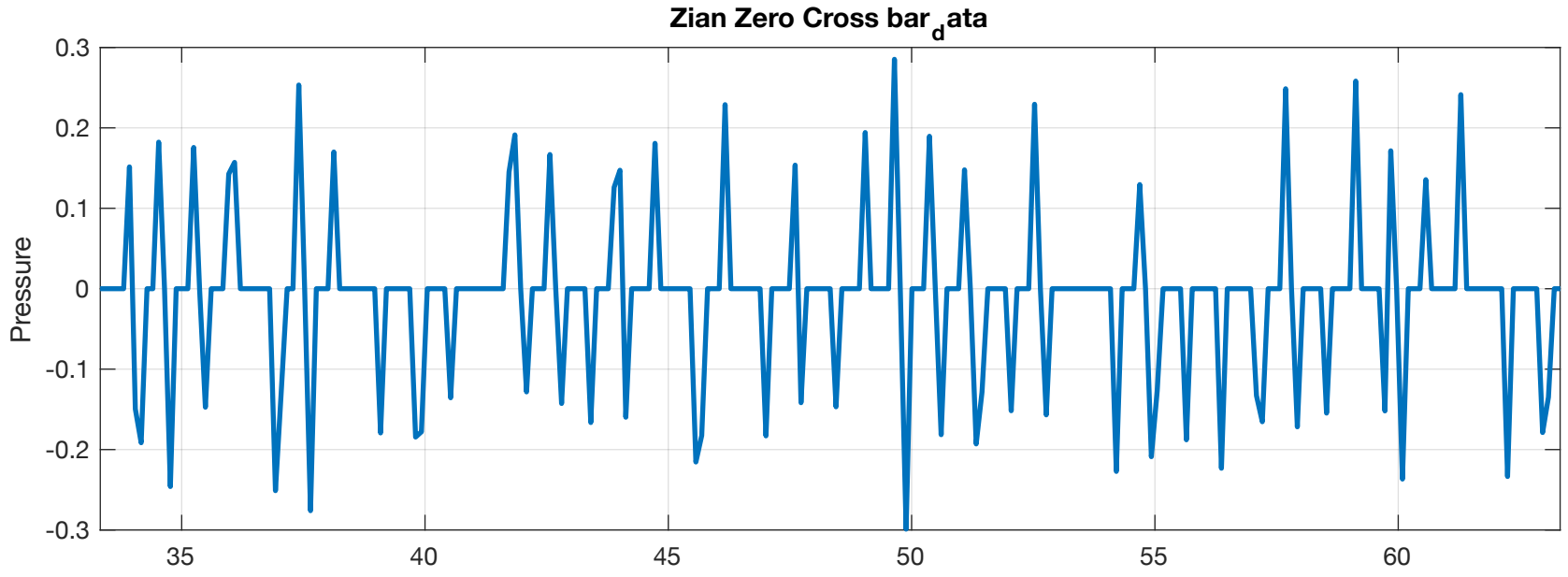

Zian Zero Cross accel_data
Z
15
10
5
0
-5
-10
35
40
45
50
55
60
Zian Zero Cross accel_data
Y
30
20
10
0
-10
-20
35
40
45
50
55
60
Zian Zero Cross accel_data
X
20
10
0
-10
-20
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-222.000	-164.000	115.000	22.000	"accel_data"
'Y'	-115.000	-22.000	148.000	9.000	"accel_data"
'X'	-263.000	-77.000	118.000	55.000	"accel_data"

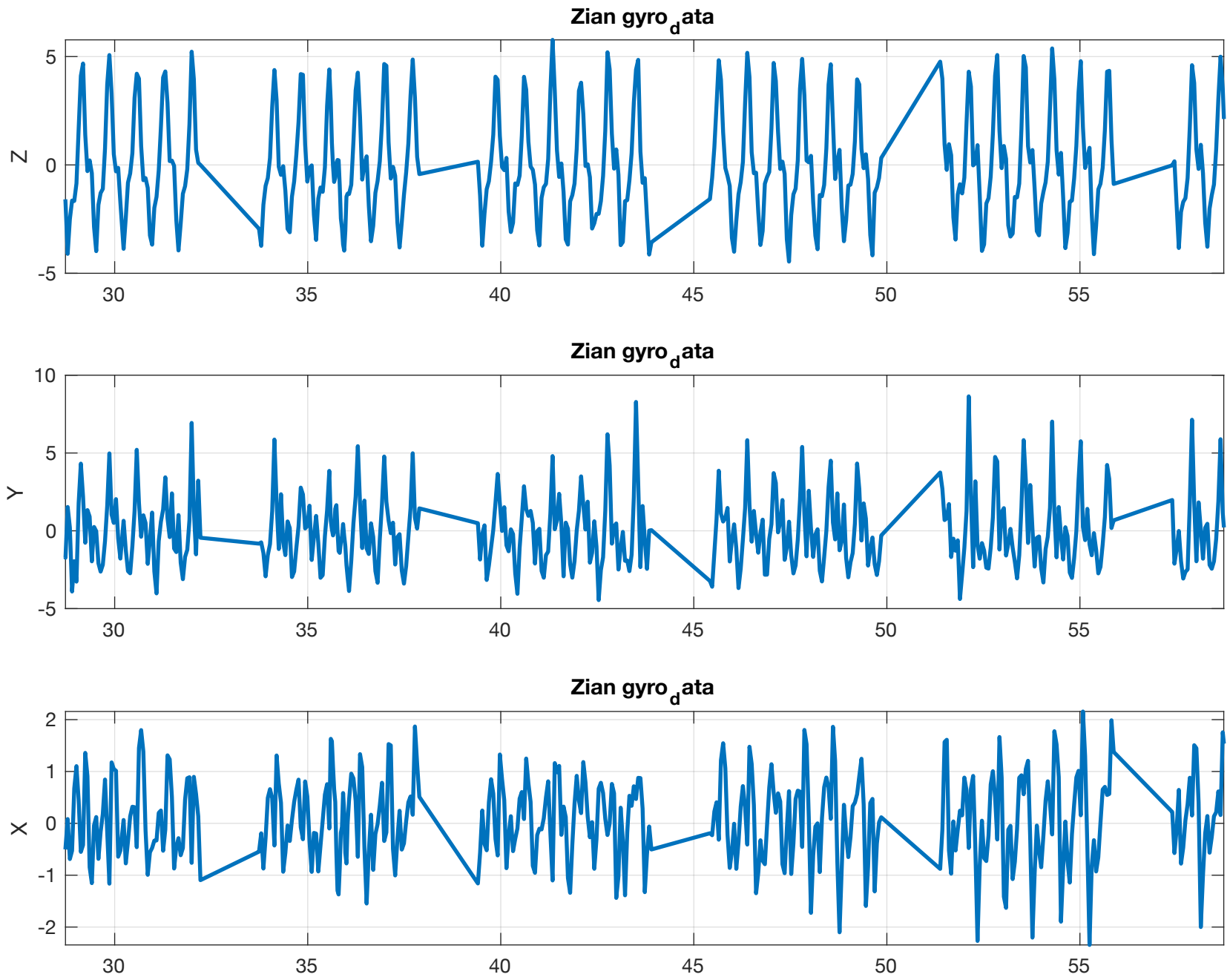

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
35
40
45
50
55
60

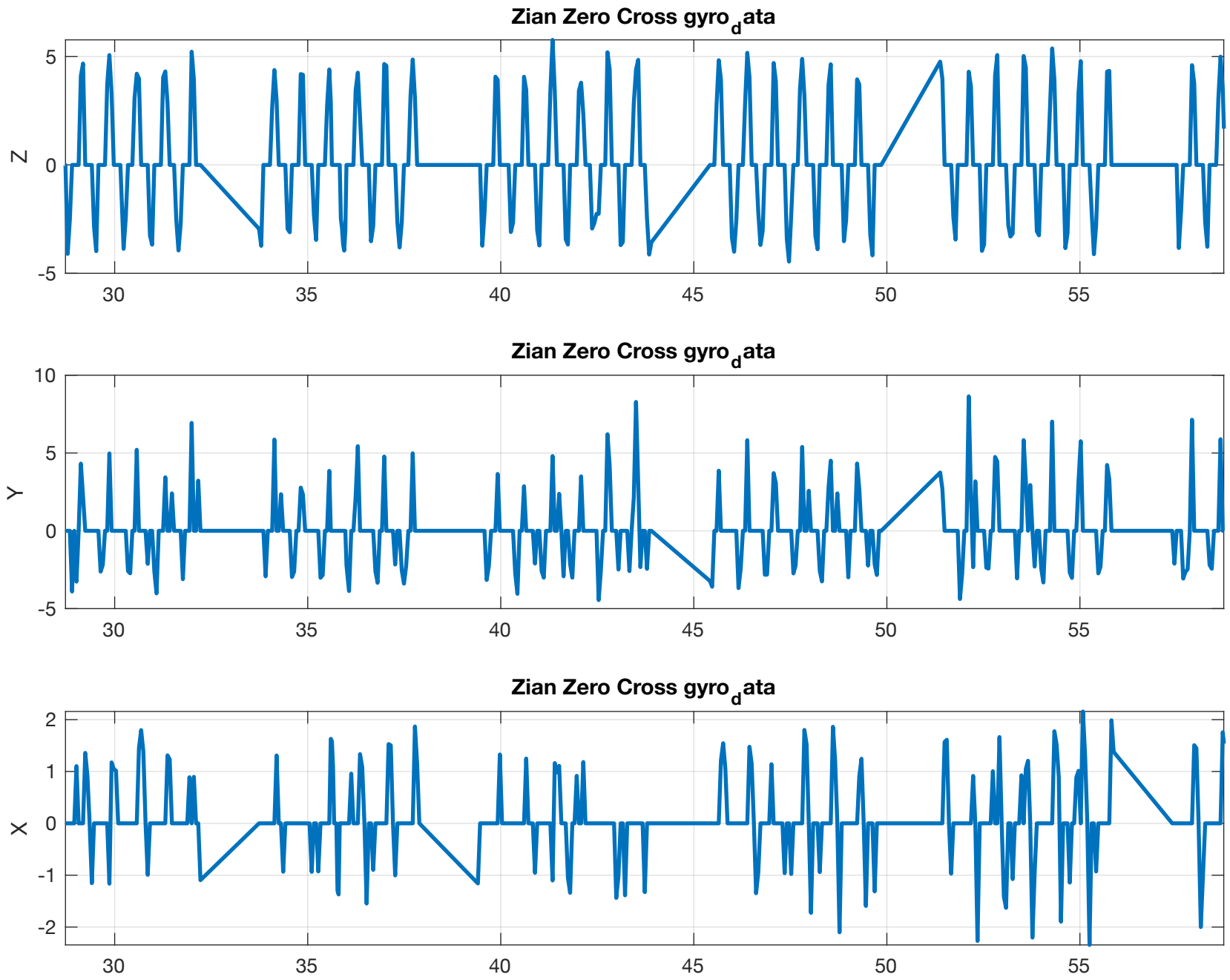

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60


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

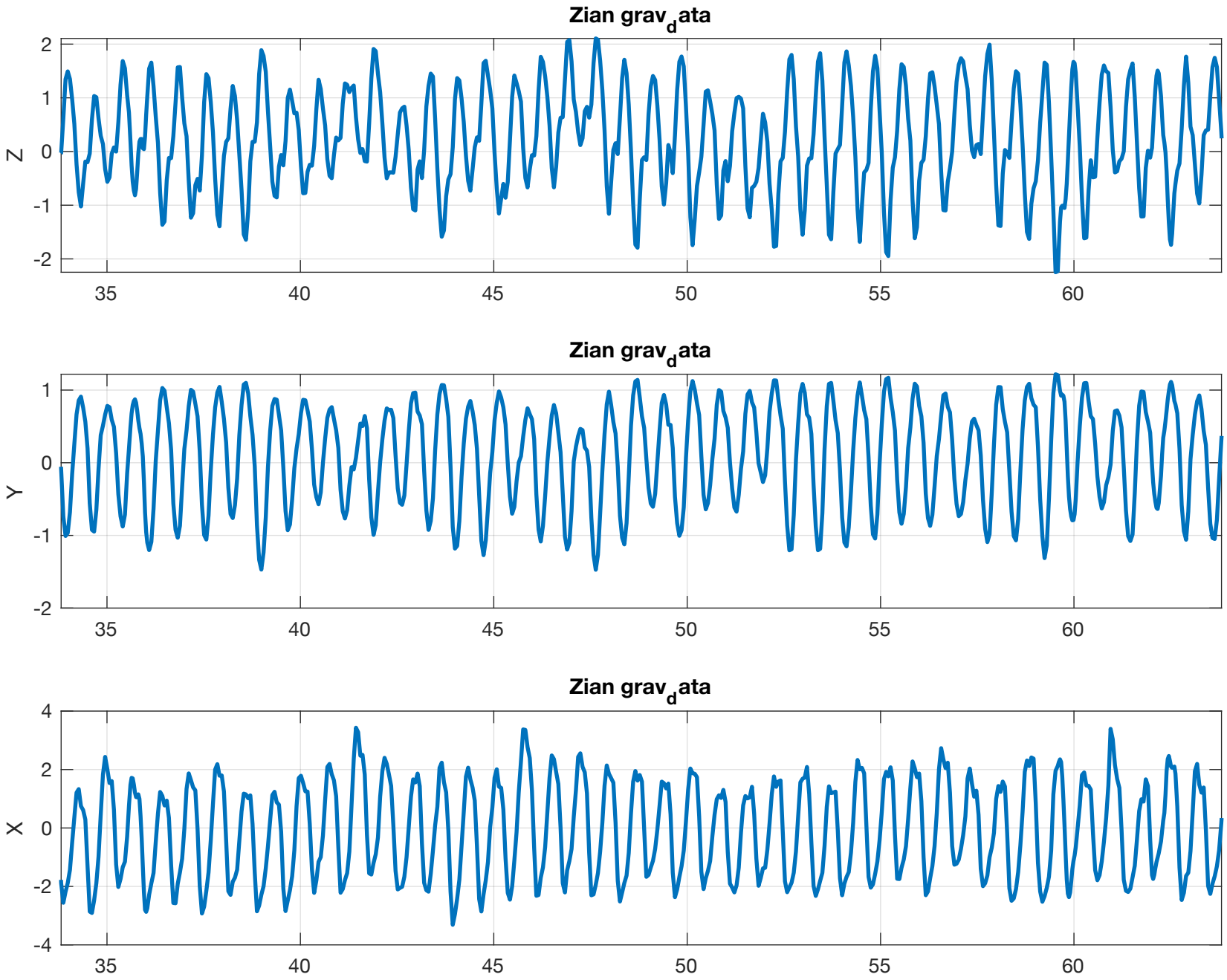

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60

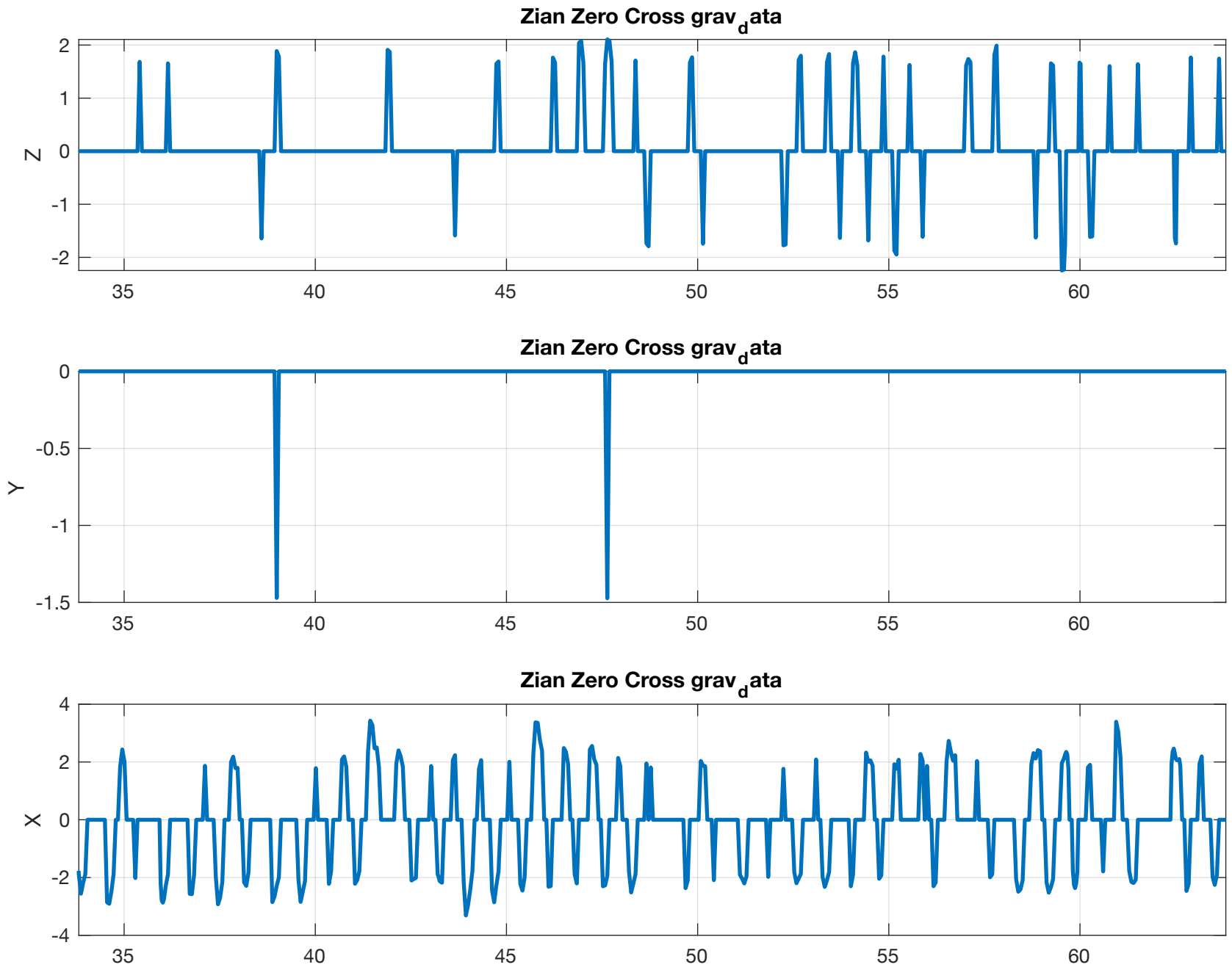
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	30.000	67.000	199.000	179.250	"bar_data"
"Pressure"	-11.000	11.000	168.000	179.250	"bar_data"


Zian gyro_data
Z
5
0
-5
30
35
40
45
50
55
Zian gyro_data
Y
10
5
0
-5
30
35
40
45
50
55
Zian gyro_data
X
2
1
0
-1
-2
30
35
40
45
50
55

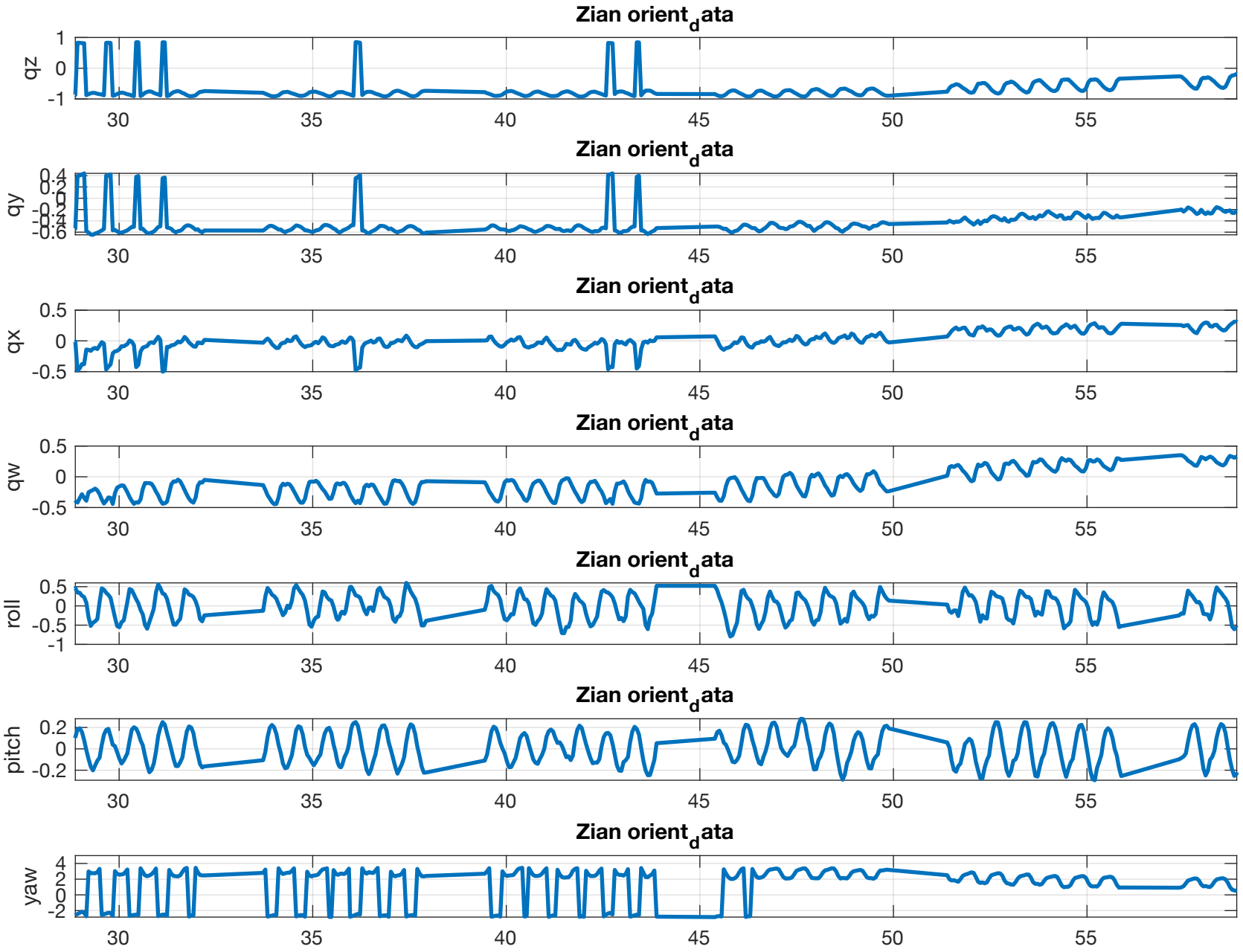

Zian Zero Cross gyro_data
Z
5
0
-5
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
10
5
0
-5
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
2
1
0
-1
-2
30
35
40
45
50
55

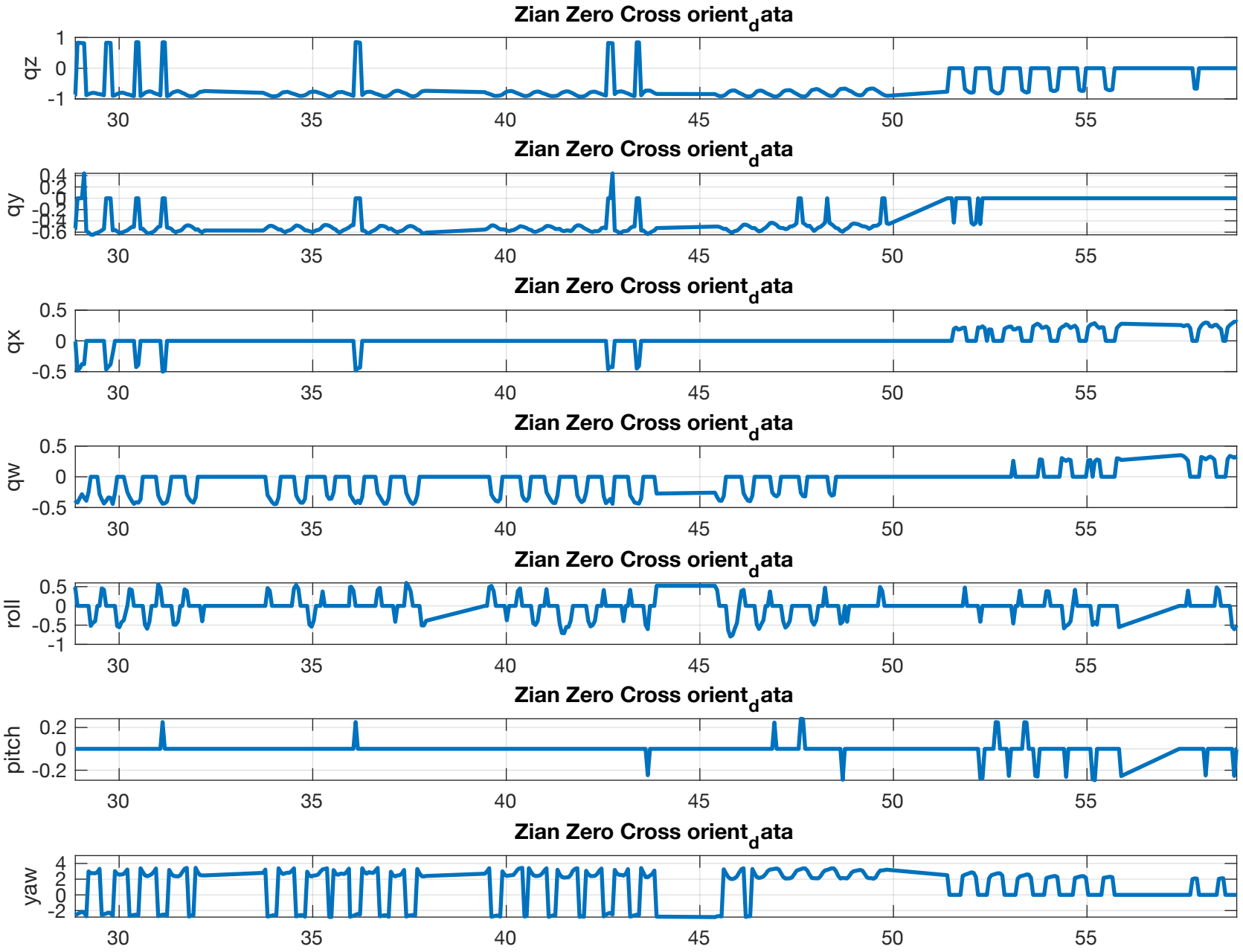
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-31.000	27.000	165.000	170.000	"gyro_data"
'Y'	-184.000	-110.000	146.000	120.000	"gyro_data"
'X'	-173.000	-82.000	154.000	126.250	"gyro_data"


Zian grav_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Zian grav_data
Y
1
0
-1
-2
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
2
1
0
-1
-2
35
40
45
50
55
60
Zian Zero Cross grav_data
Y
0
-0.5
-1
-1.5
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'	6.000	103.000	201.000	244.750	"grav_data"
'Y'	92.000	111.000	236.000	295.250	"grav_data"
'X'	21.000	31.000	215.000	172.500	"grav_data"


Zian orientdata
qz
1
0
-1
30
35
40
45
50
55
Zian orientdata
qy
0.4
0.2
0
-0.2
-0.4
-0.6
30
35
40
45
50
55
Zian orientdata
qx
0.5
0
-0.5
30
35
40
45
50
55
Zian orientdata
qw
0.5
0
-0.5
30
35
40
45
50
55
Zian orientdata
roll
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian orientdata
pitch
0.2
0
-0.2
30
35
40
45
50
55
Zian orientdata
yaw
4
2
0
-2
30
35
40
45
50
55


Zian Zero Cross orientdata
qz
1
0
-1
30
35
40
45
50
55
Zian Zero Cross orientdata
qy
0.4
0.2
0
-0.2
-0.4
-0.6
30
35
40
45
50
55
Zian Zero Cross orientdata
qx
0.5
0
-0.5
30
35
40
45
50
55
Zian Zero Cross orientdata
qw
0.5
0
-0.5
30
35
40
45
50
55
Zian Zero Cross orientdata
roll
0.5
0
-0.5
-1
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
4
2
0
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	46.000	128.000	239.000	256.250	"orient_data"
'qy'	-30.000	83.000	230.000	251.500	"orient_data"
'qx'	-63.000	92.000	209.000	256.750	"orient_data"
'qw'	61.000	173.000	267.000	246.500	"orient_data"
'roll'	42.000	118.000	215.000	195.500	"orient_data"
'pitch'	120.000	153.000	253.000	256.250	"orient_data"
'yaw'	15.000	130.000	220.000	228.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	9.000
'bar_data'	"Pressure"	'findpeaks'	11.000
'gyro_data'	"Z"	'findpeaks_above_zero'	27.000
'grav_data'	"Z"	'findpeaks'	6.000
'orient_data'	"yaw"	'findpeaks'	15.000