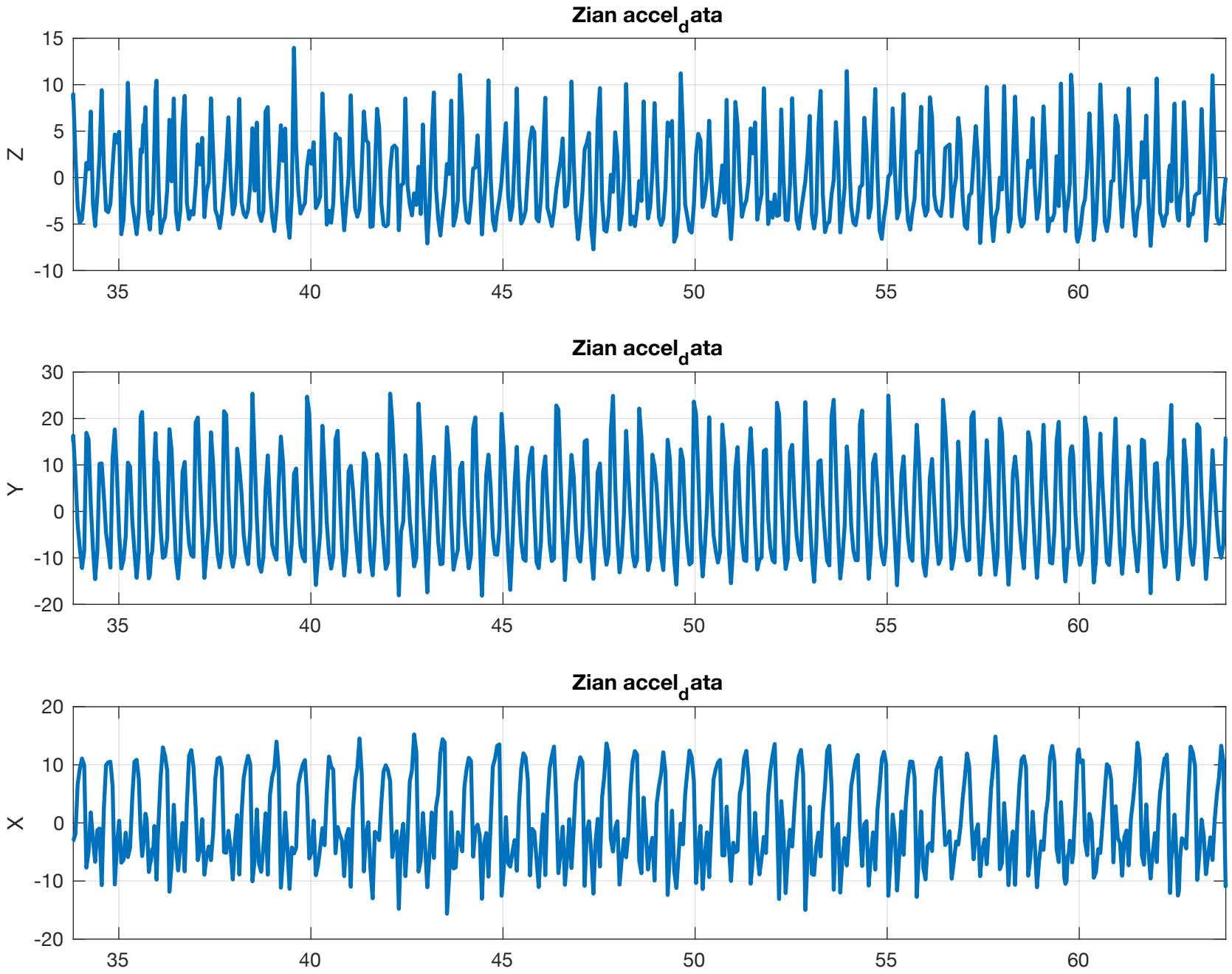
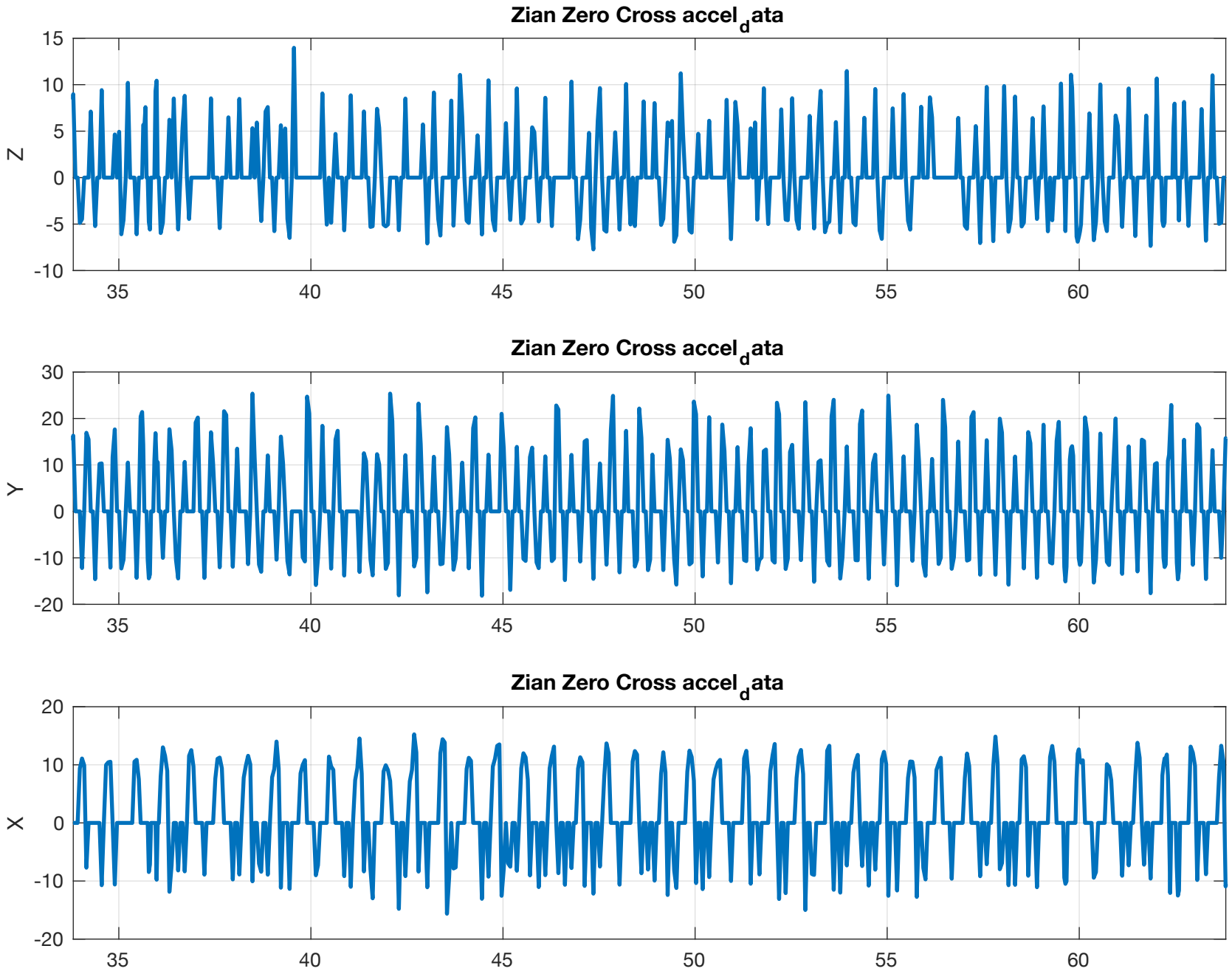
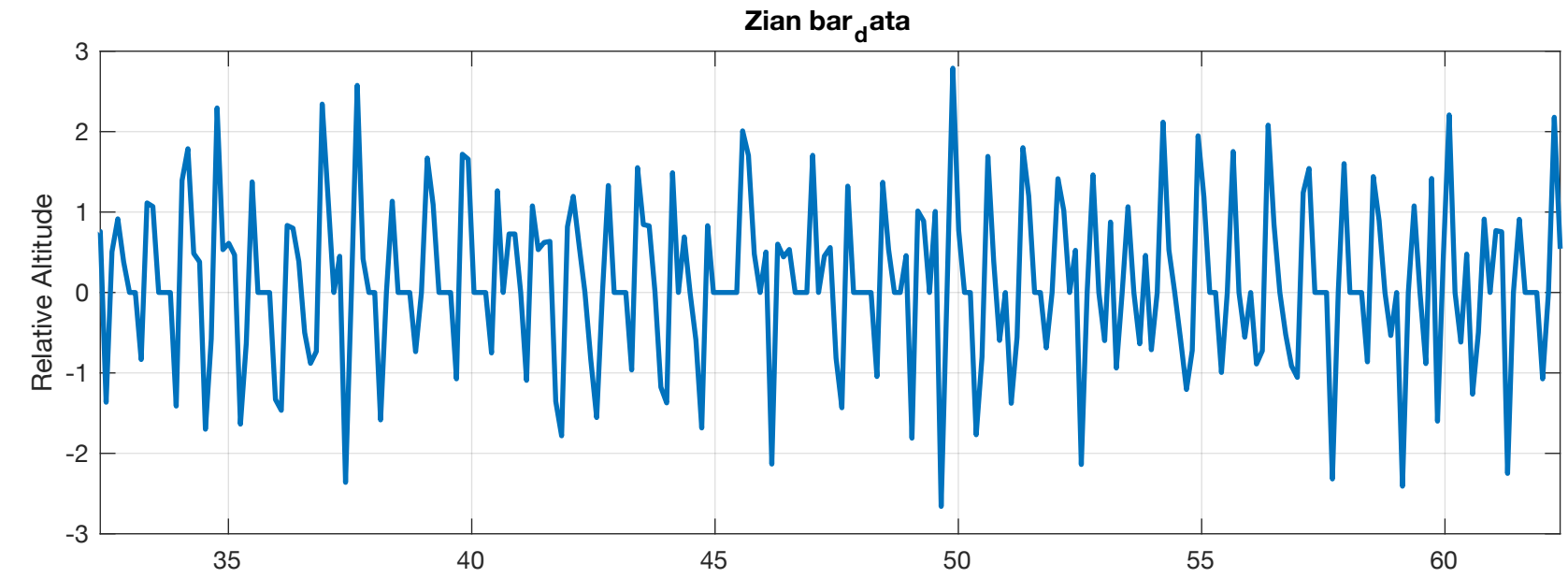
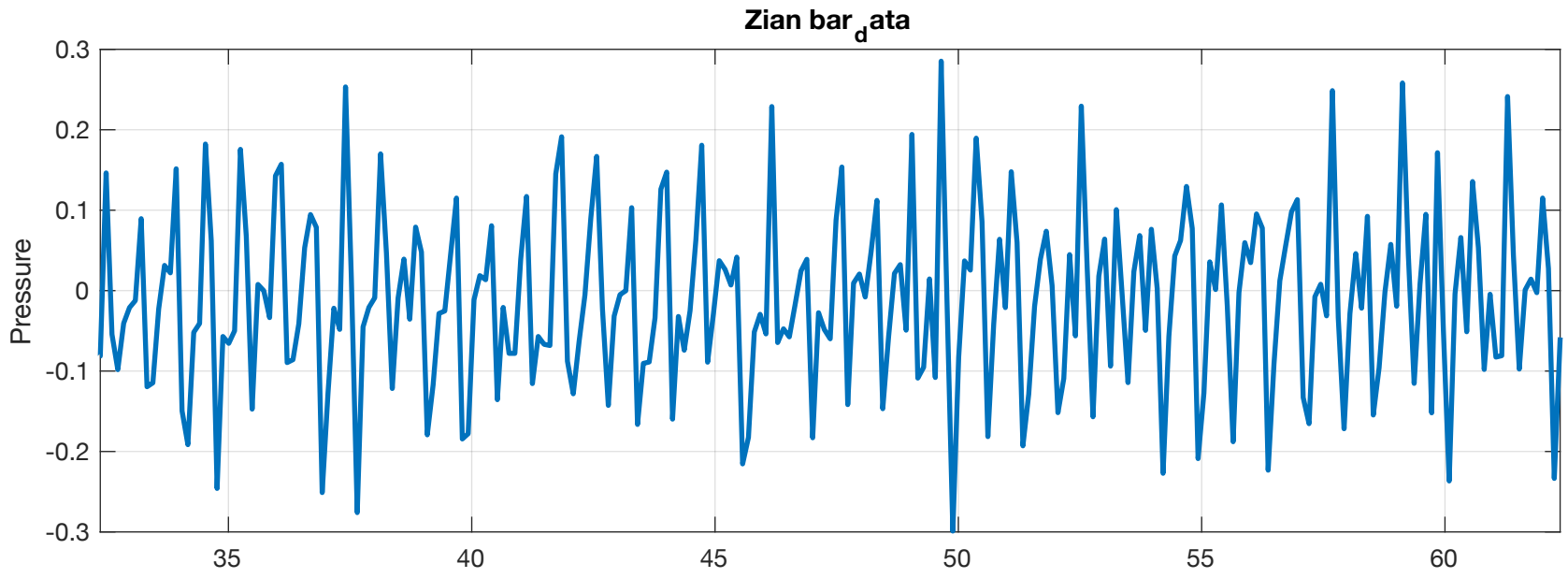
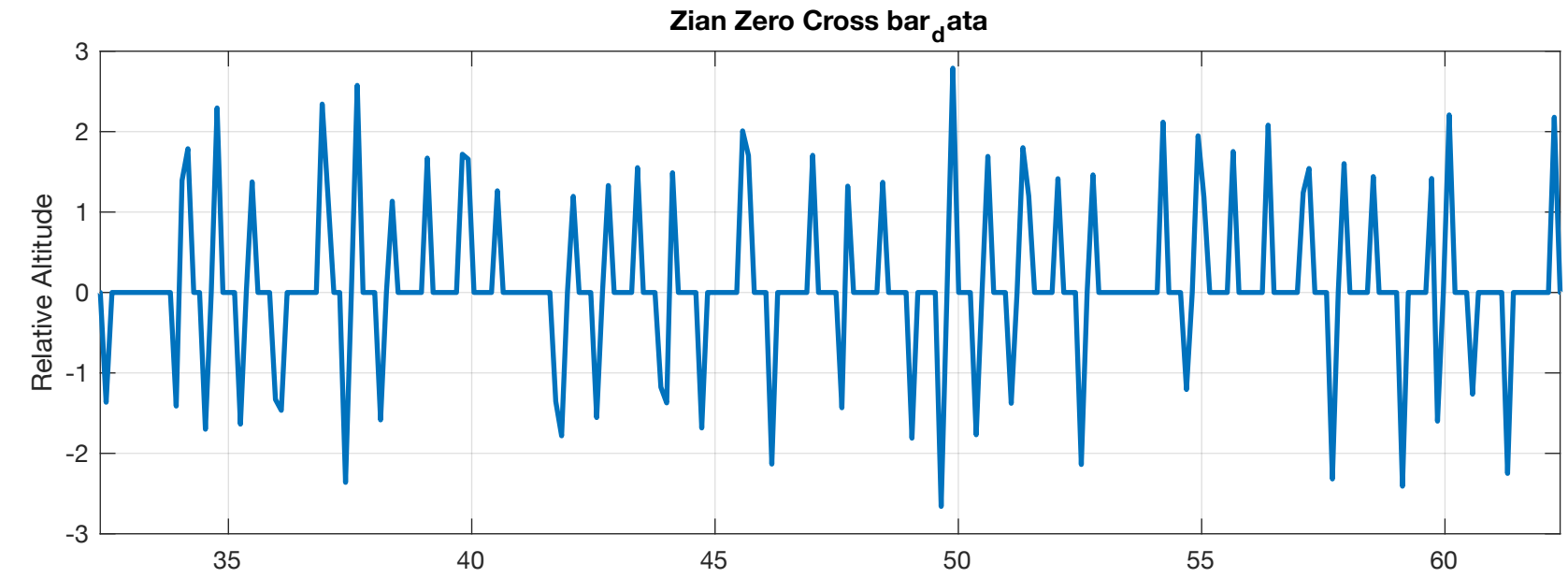

Zian accel_data
Z
15
10
5
0
-5
-10
35
40
45
50
55
60
Zian accel_data
Y
30
20
10
0
-10
-20
35
40
45
50
55
60
Zian accel_data
X
20
10
0
-10
-20
35
40
45
50
55
60

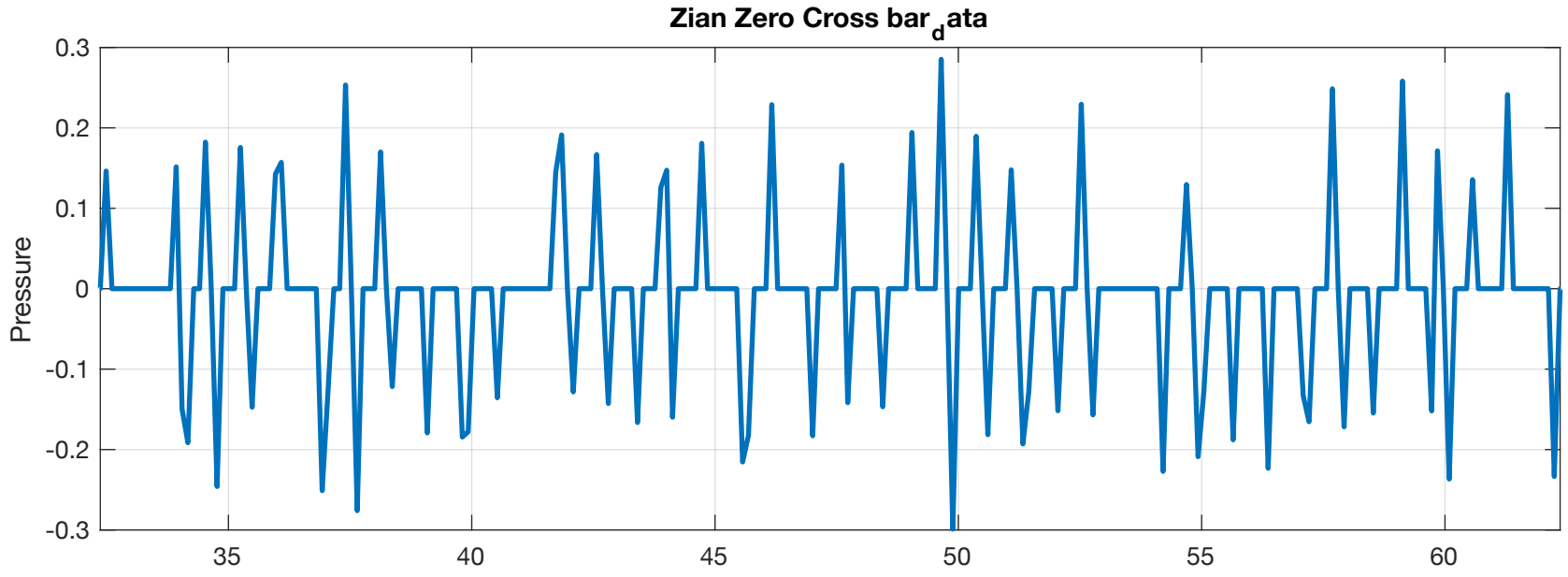

Zian Zero Cross accel_data
Z
15
10
5
0
-5
-10
35
40
45
50
55
60
Zian Zero Cross accel_data
Y
30
20
10
0
-10
-20
35
40
45
50
55
60
Zian Zero Cross accel_data
X
20
10
0
-10
-20
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-222.000	-164.000	115.000	34.500	"accel_data"
'Y'	-115.000	-22.000	148.000	9.500	"accel_data"
'X'	-263.000	-77.000	118.000	55.000	"accel_data"

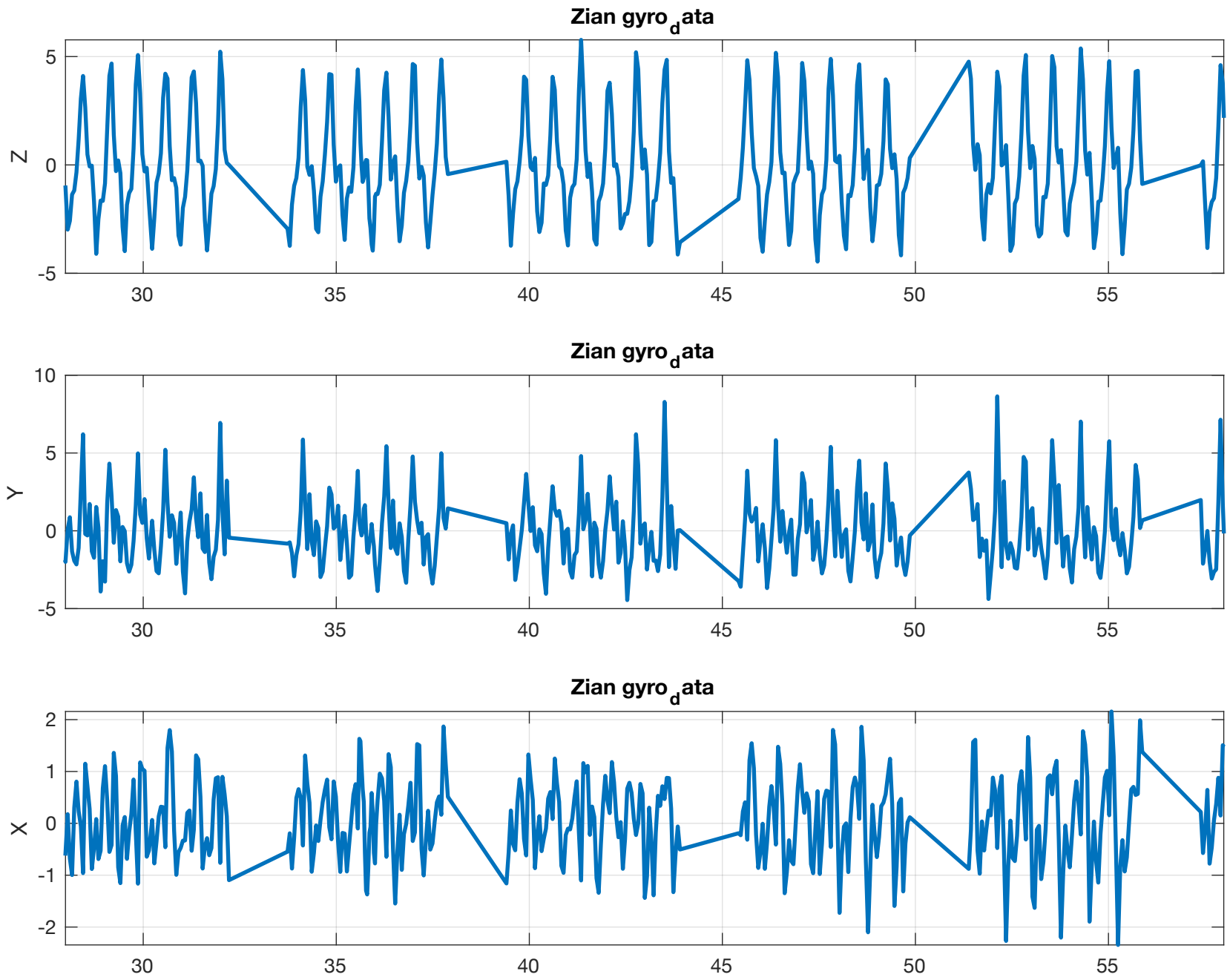

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
35
40
45
50
55
60

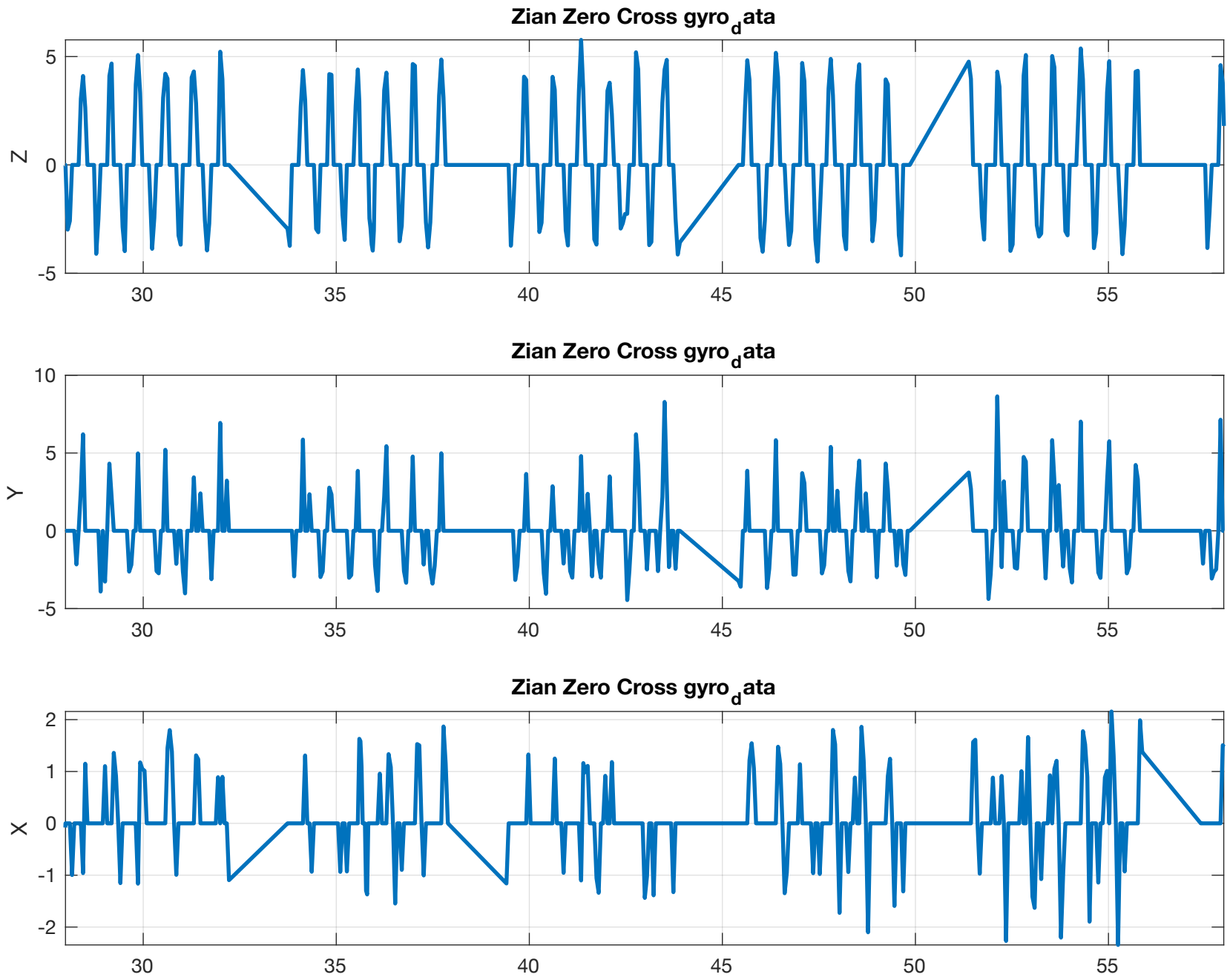

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60


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

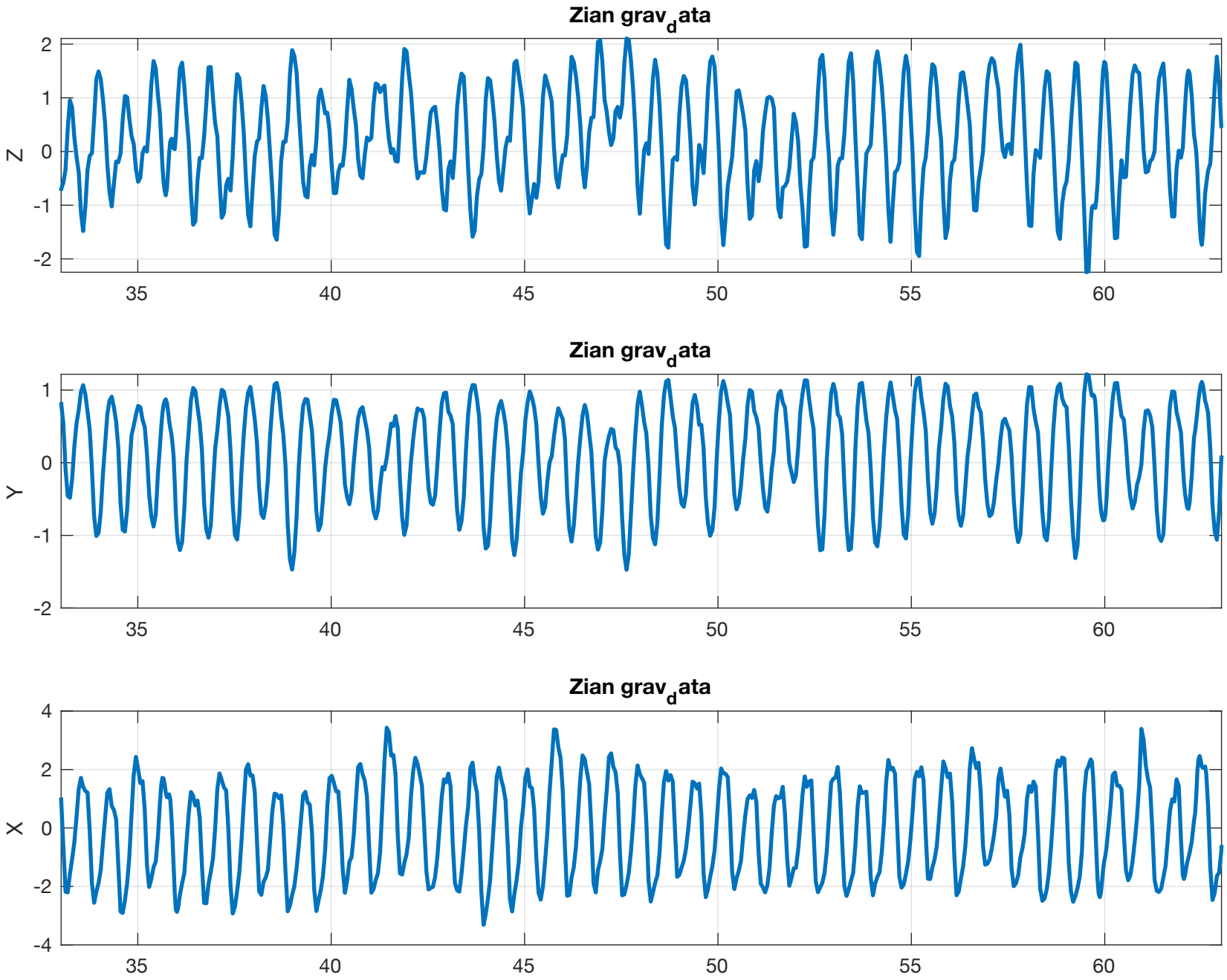

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
35
40
45
50
55
60

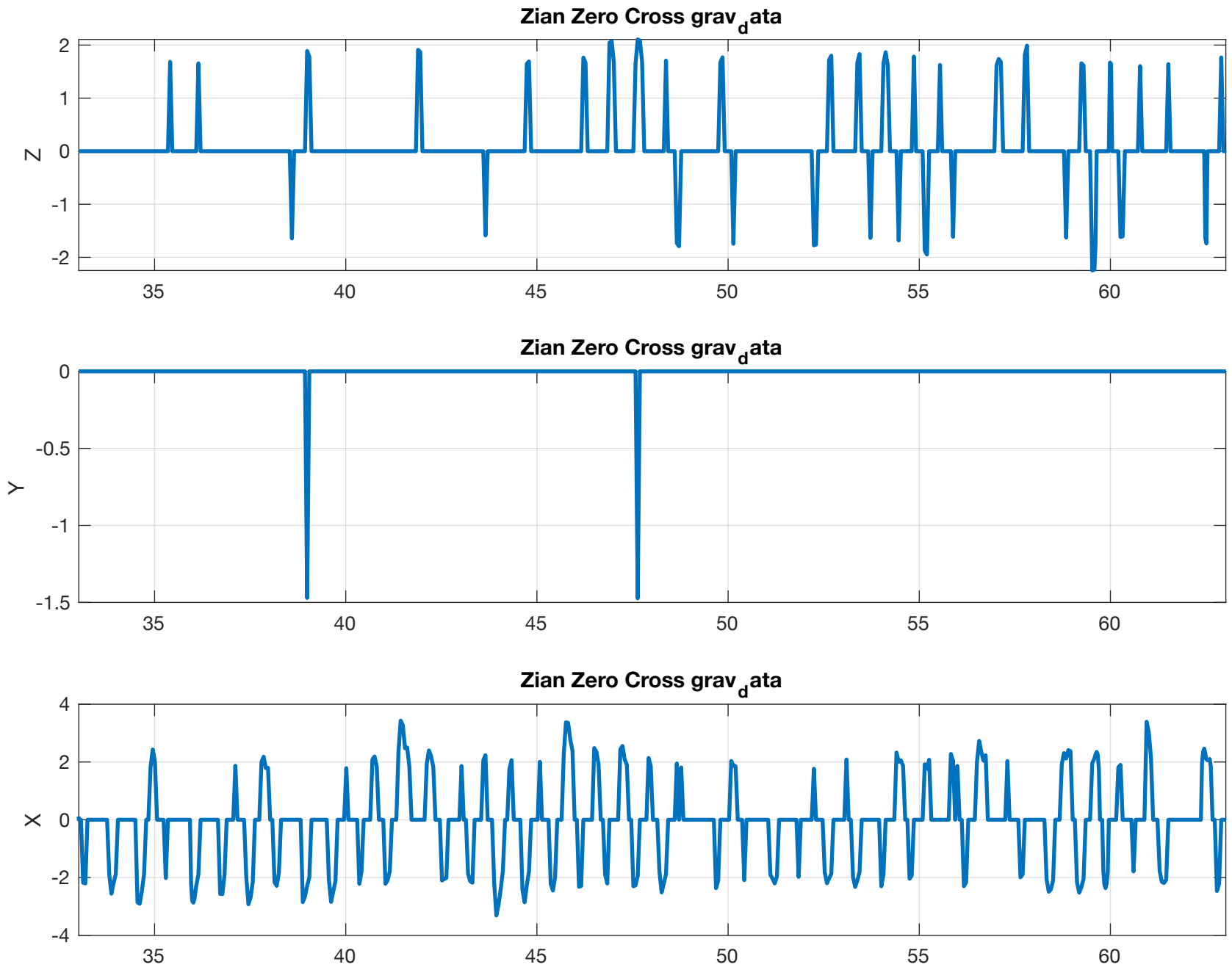
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	42.000	71.000	200.000	180.000	"bar_data"
"Pressure"	3.000	25.000	172.000	180.000	"bar_data"


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

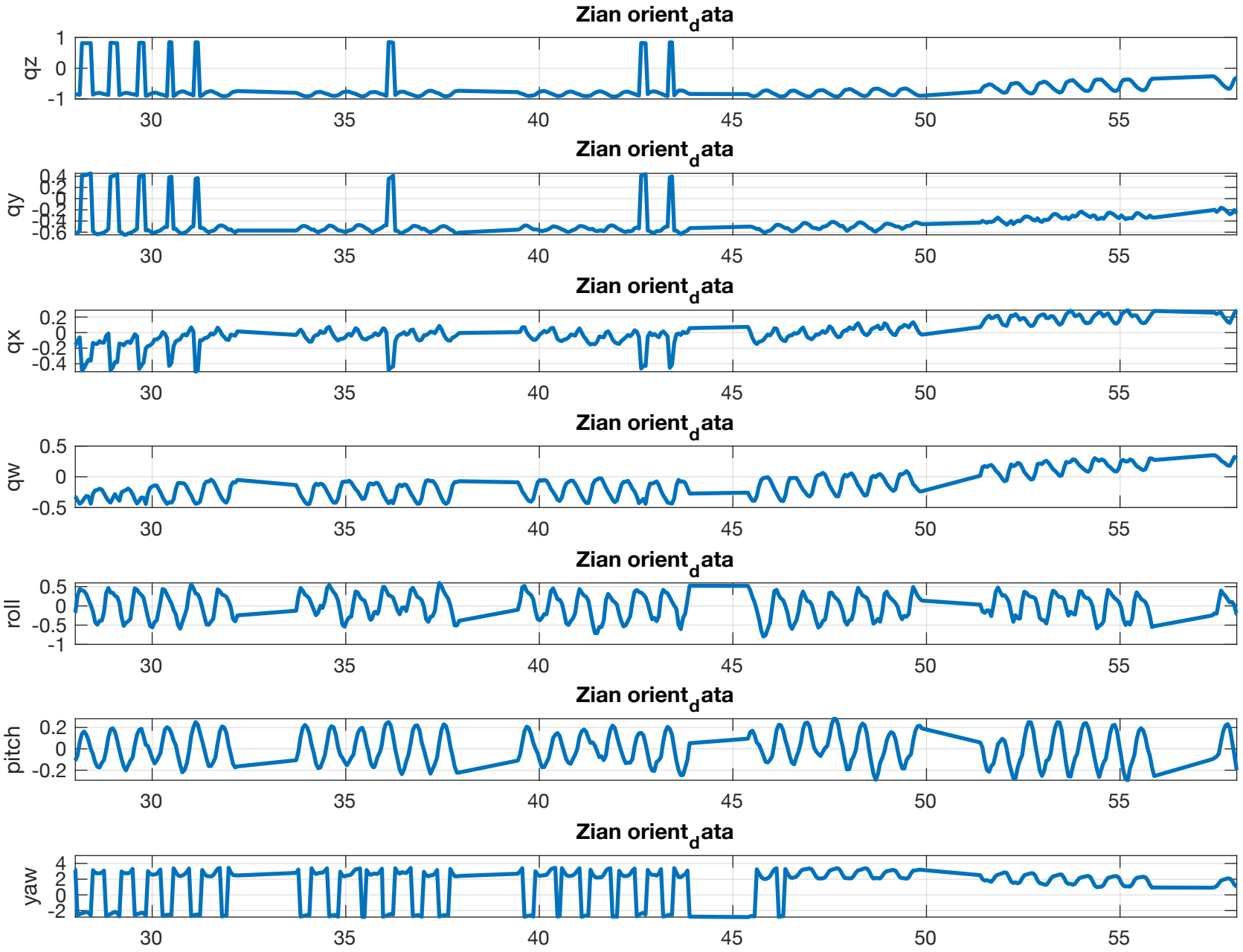

Zian Zero Cross gyro_data
Z
5
0
-5
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
10
5
0
-5
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
2
1
0
-1
-2
30
35
40
45
50
55

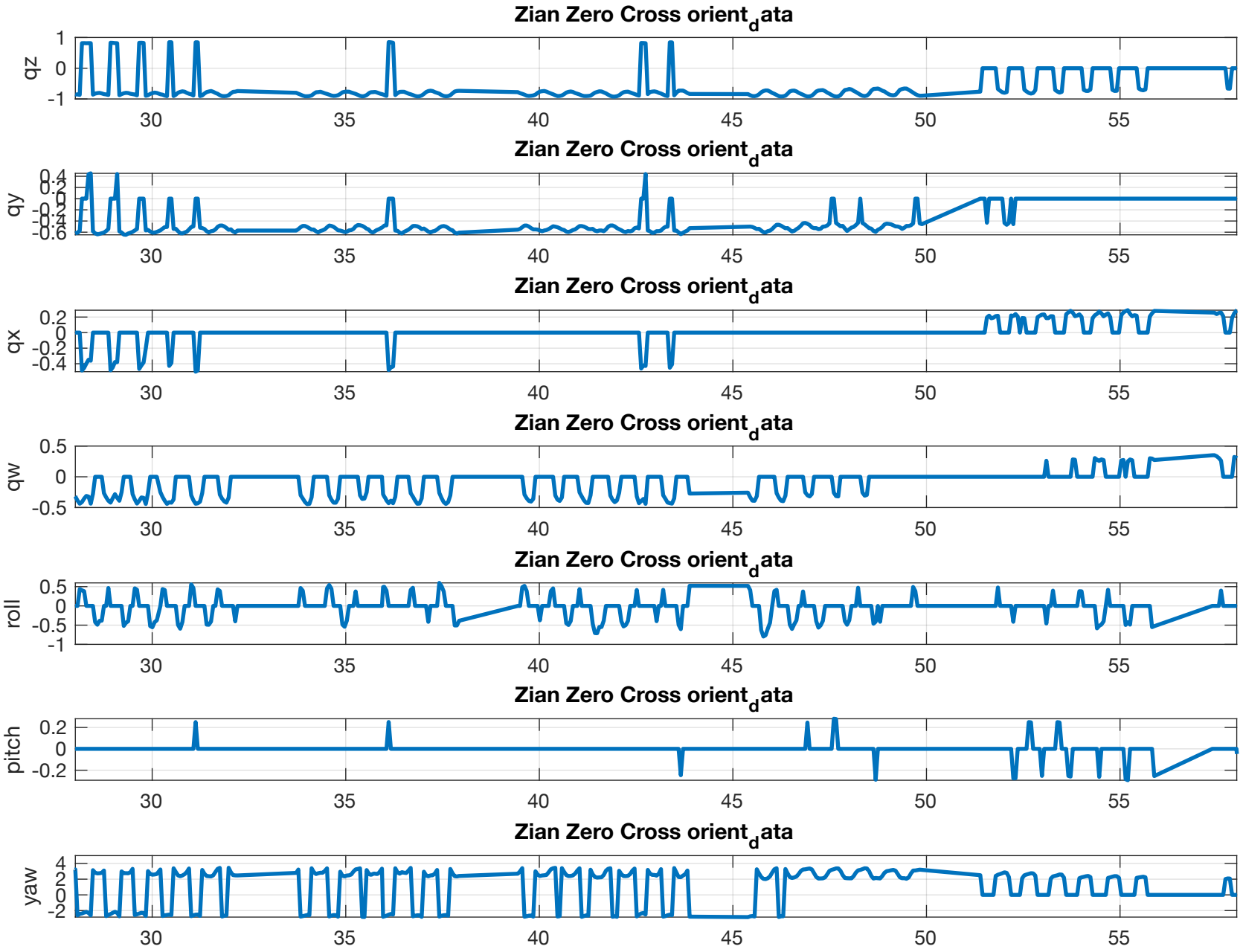
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	12.000	61.000	178.000	173.000	"gyro_data"
'Y'	-134.000	-69.000	164.000	125.000	"gyro_data"
'X'	-123.000	-57.000	164.000	135.000	"gyro_data"


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'	35.000	118.000	204.000	246.750	"grav_data"
'Y'	122.000	123.000	241.000	296.000	"grav_data"
'X'	44.000	52.000	221.000	175.500	"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
0.2
0
-0.2
-0.4
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
0.2
0
-0.2
-0.4
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'	73.000	139.000	240.000	260.250	"orient_data"
'qy'	-1.000	96.000	232.000	253.250	"orient_data"
'qx'	-27.000	113.000	216.000	260.250	"orient_data"
'qw'	81.000	183.000	269.000	249.000	"orient_data"
'roll'	67.000	125.000	217.000	199.250	"orient_data"
'pitch'	148.000	172.000	255.000	258.500	"orient_data"
'yaw'	33.000	141.000	224.000	233.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	9.500
'bar_data'	"Pressure"	'findpeaks'	3.000
'gyro_data'	"Z"	'findpeaks'	12.000
'grav_data'	"Z"	'findpeaks'	35.000
'orient_data'	"qy"	'findpeaks'	1.000