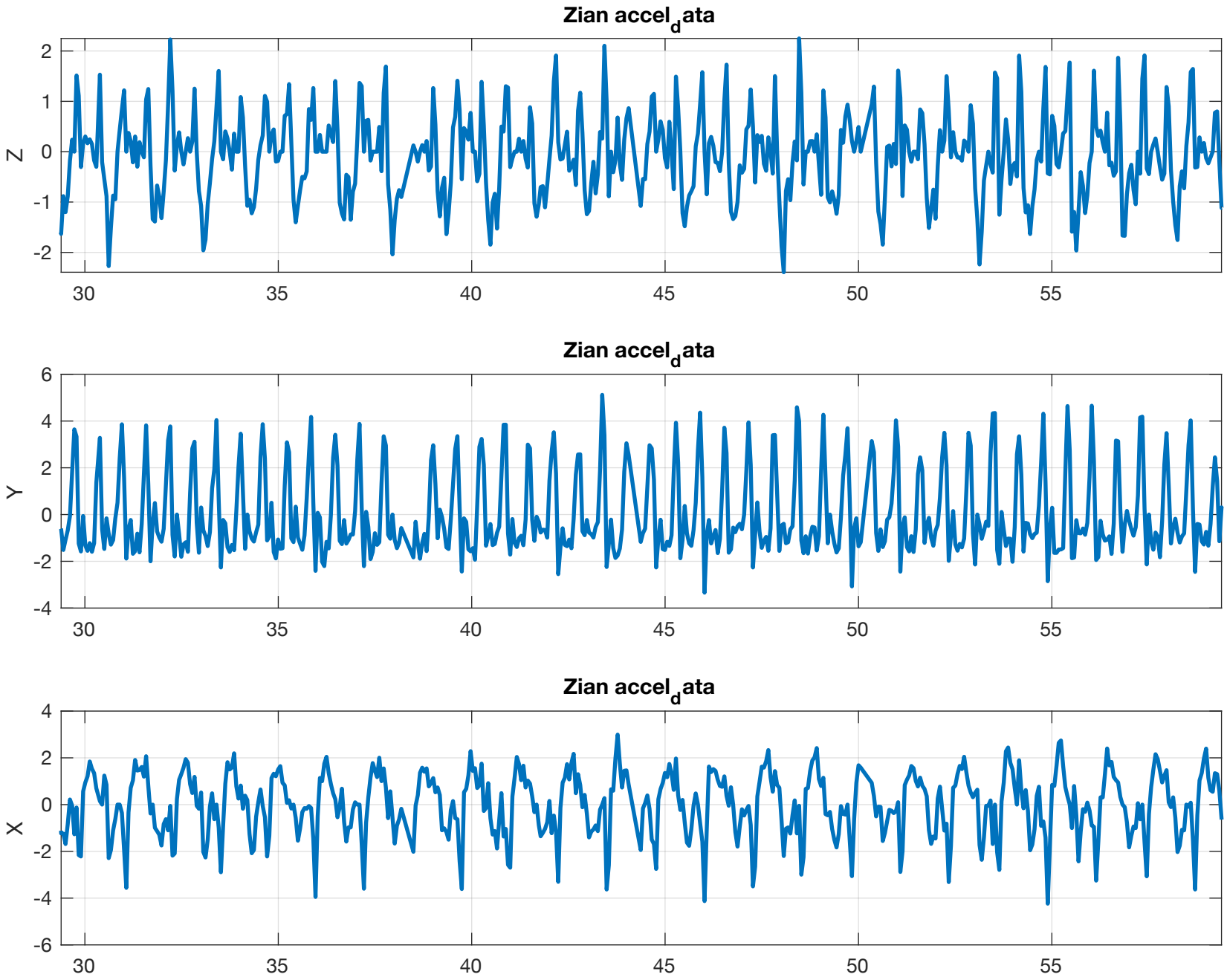
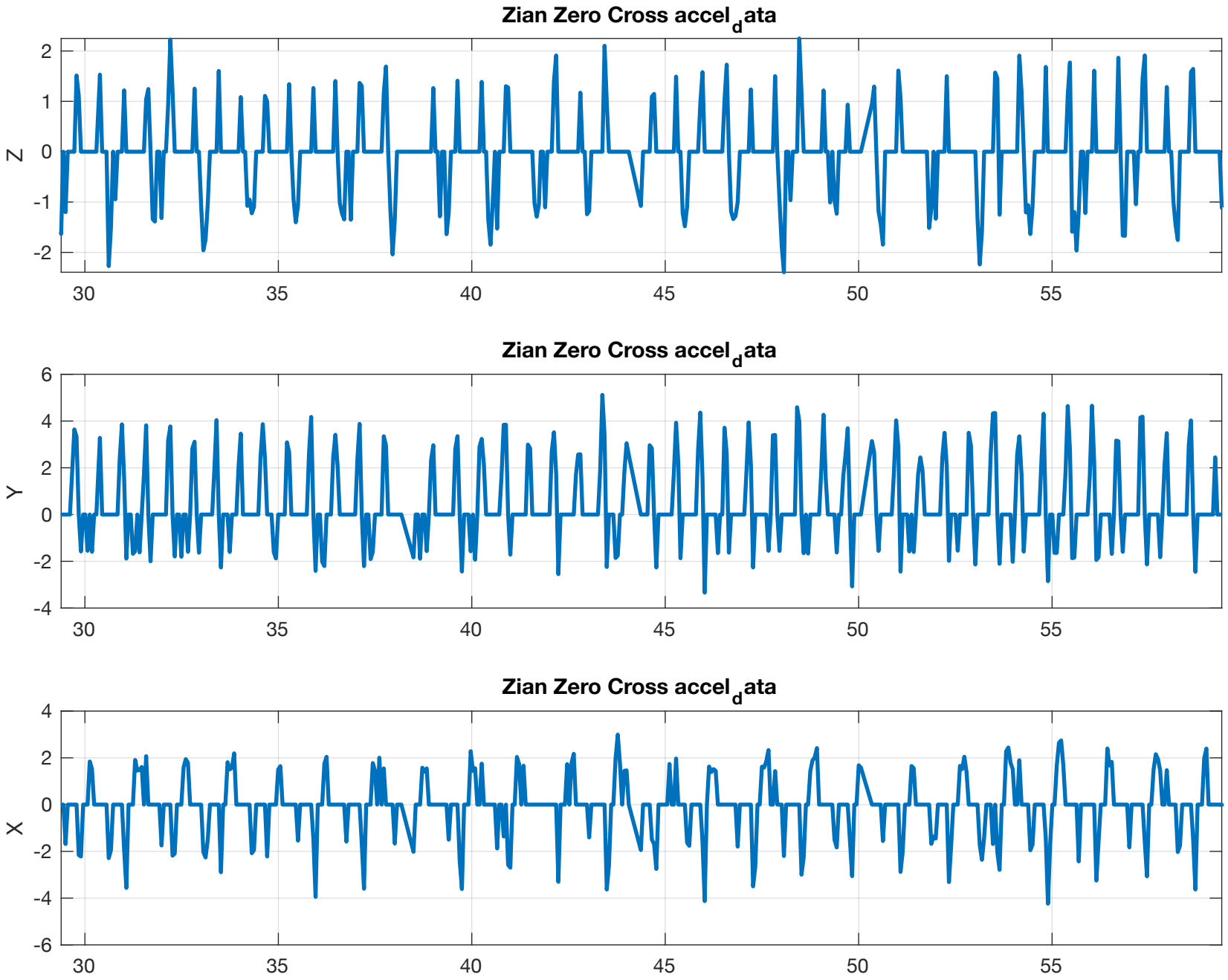
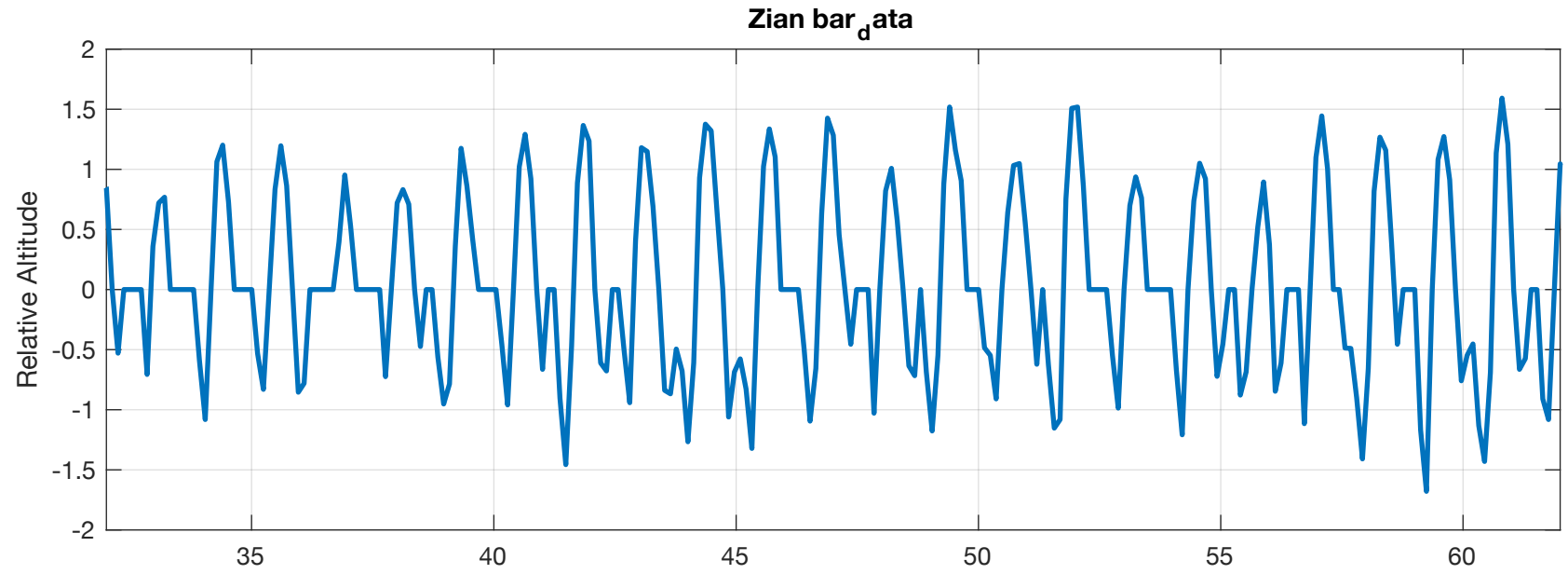
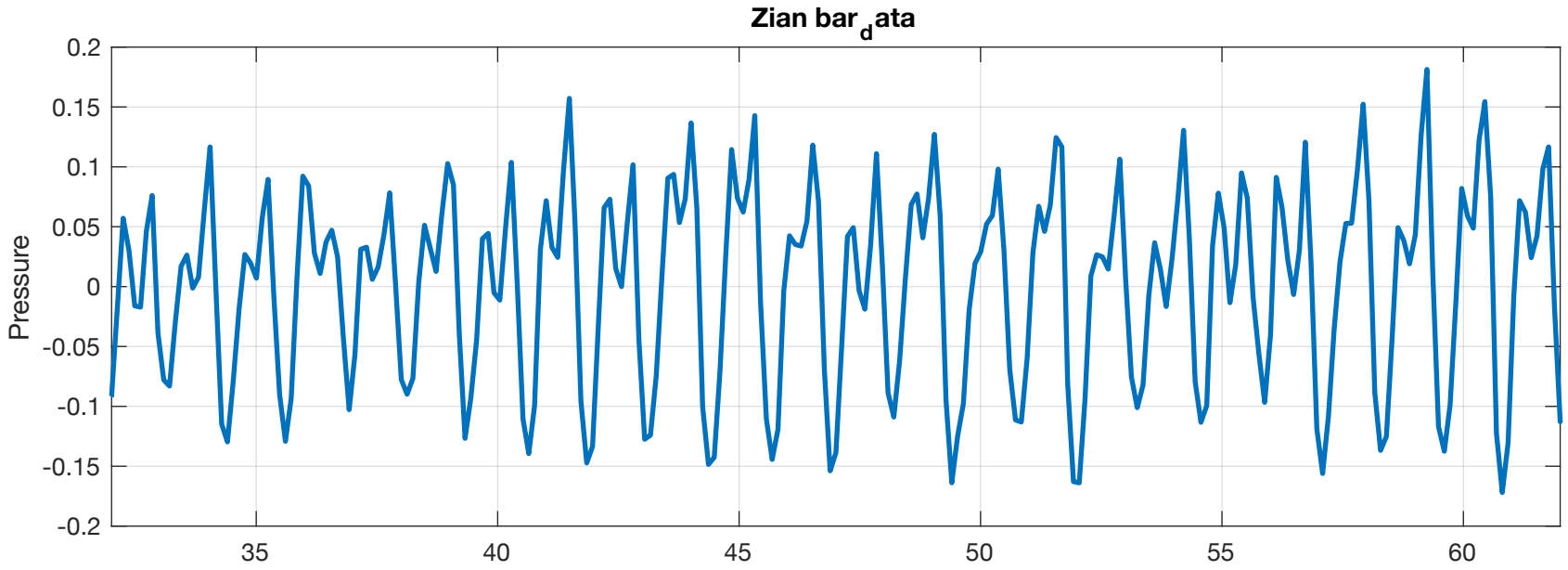
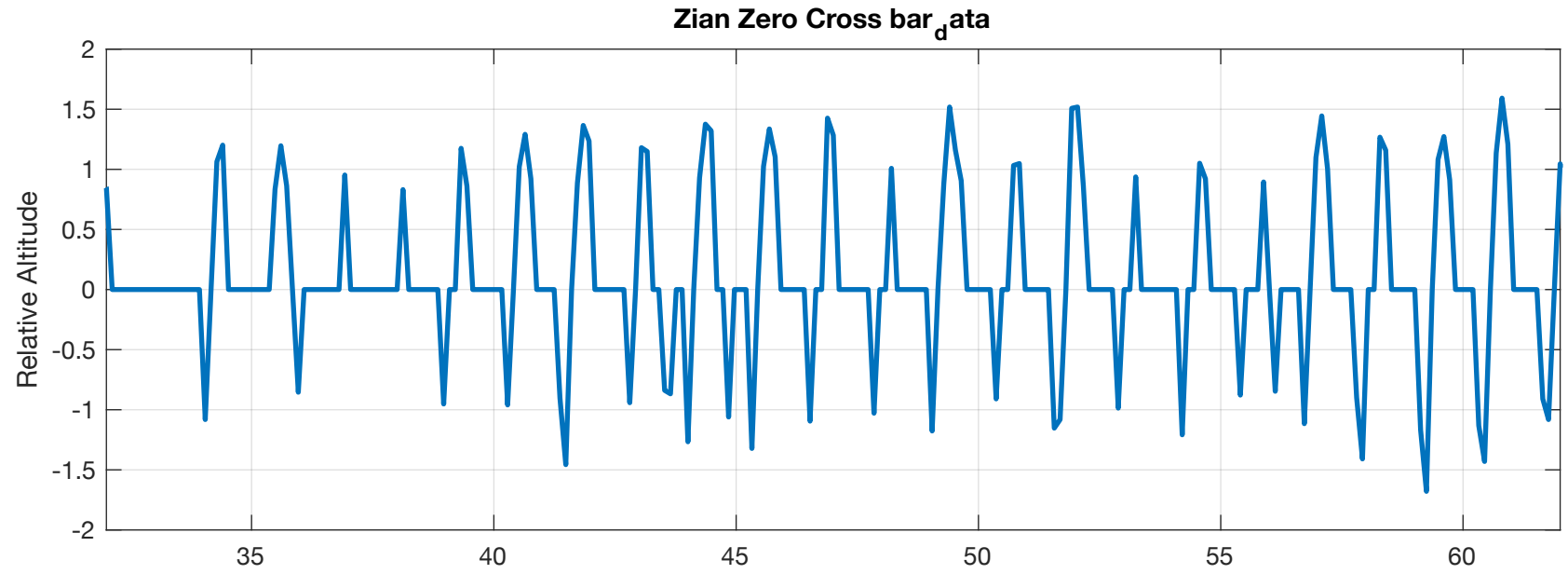

Zian accel_data
Z
2
1
0
-1
-2
30
35
40
45
50
55
Zian accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian accel_data
X
4
2
0
-2
-4
-6
30
35
40
45
50
55

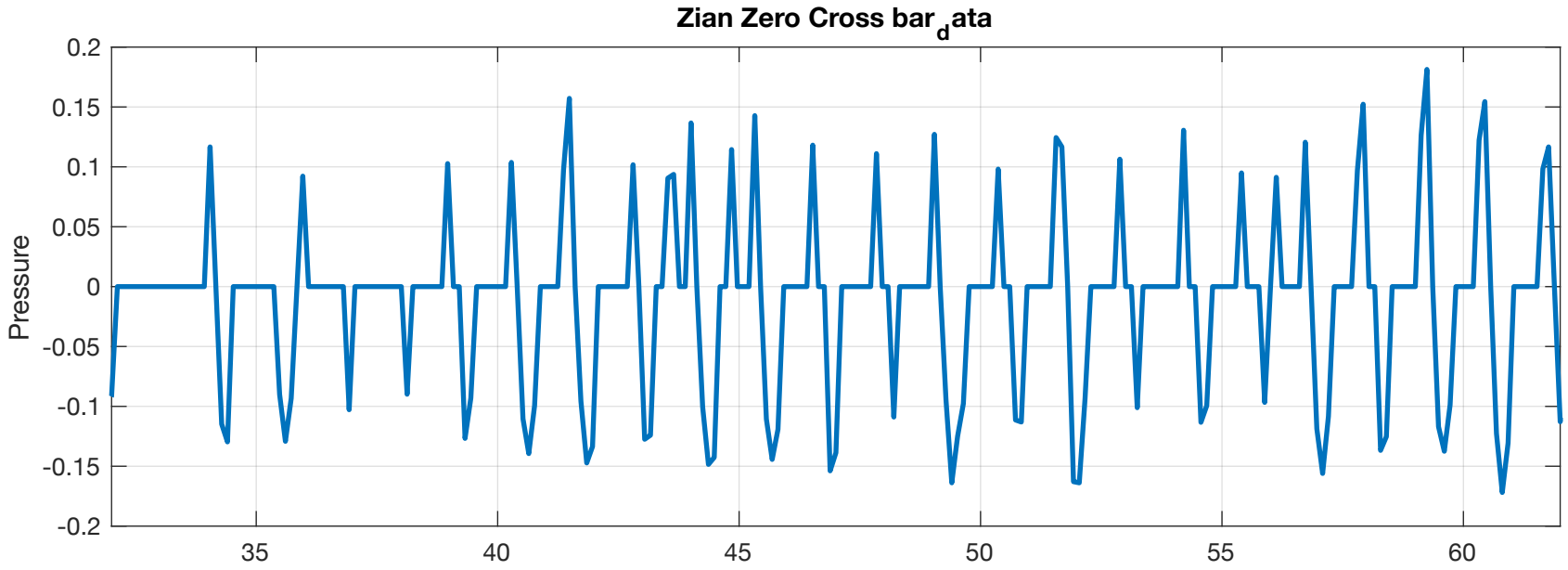

Zian Zero Cross accel_data
Z
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-300.000	-225.000	-37.000	-14.500	"accel_data"
'Y'	-282.000	-117.000	-29.000	-22.000	"accel_data"
'X'	-298.000	-187.000	-7.000	-3.000	"accel_data"

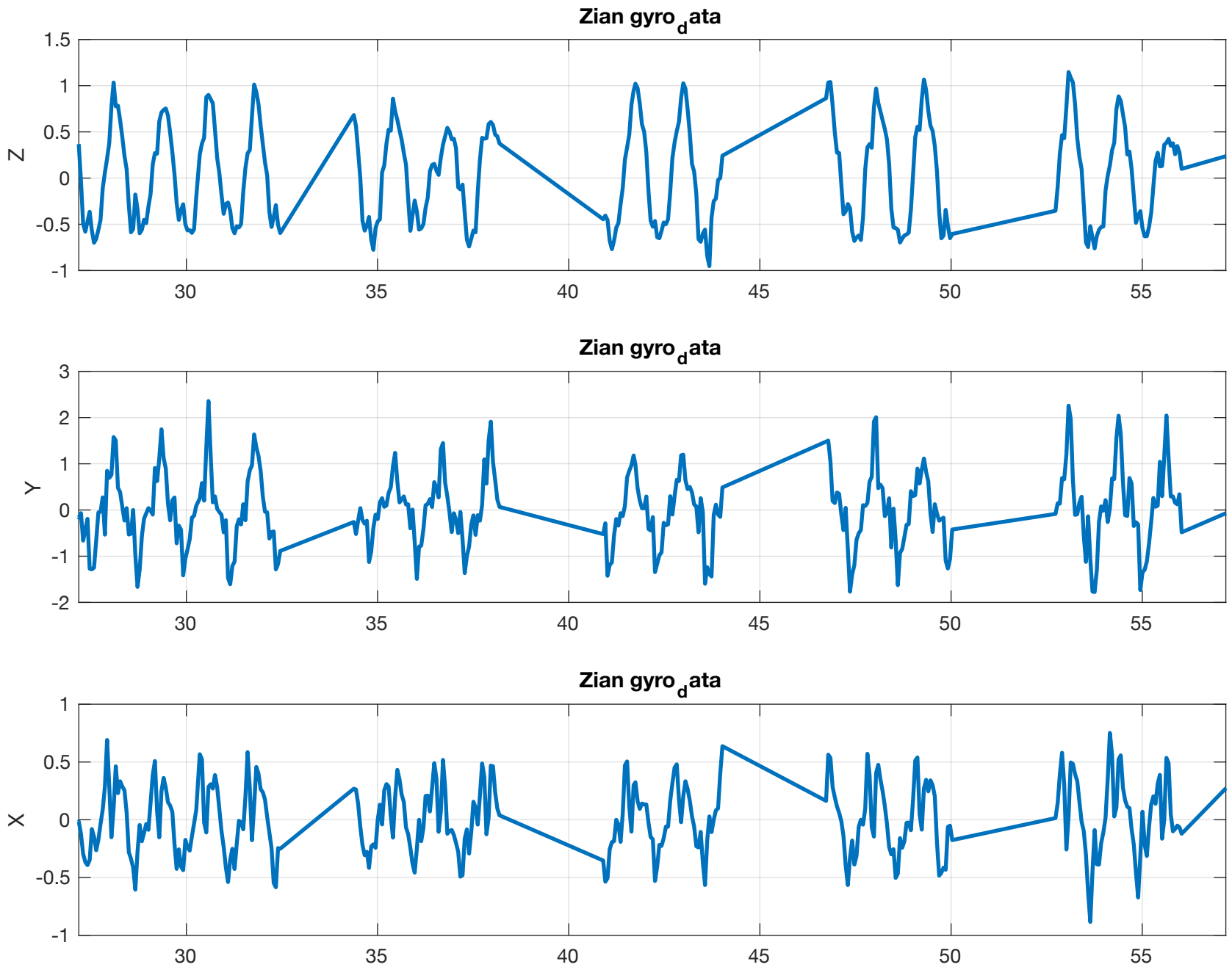

Zian bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
35
40
45
50
55
60

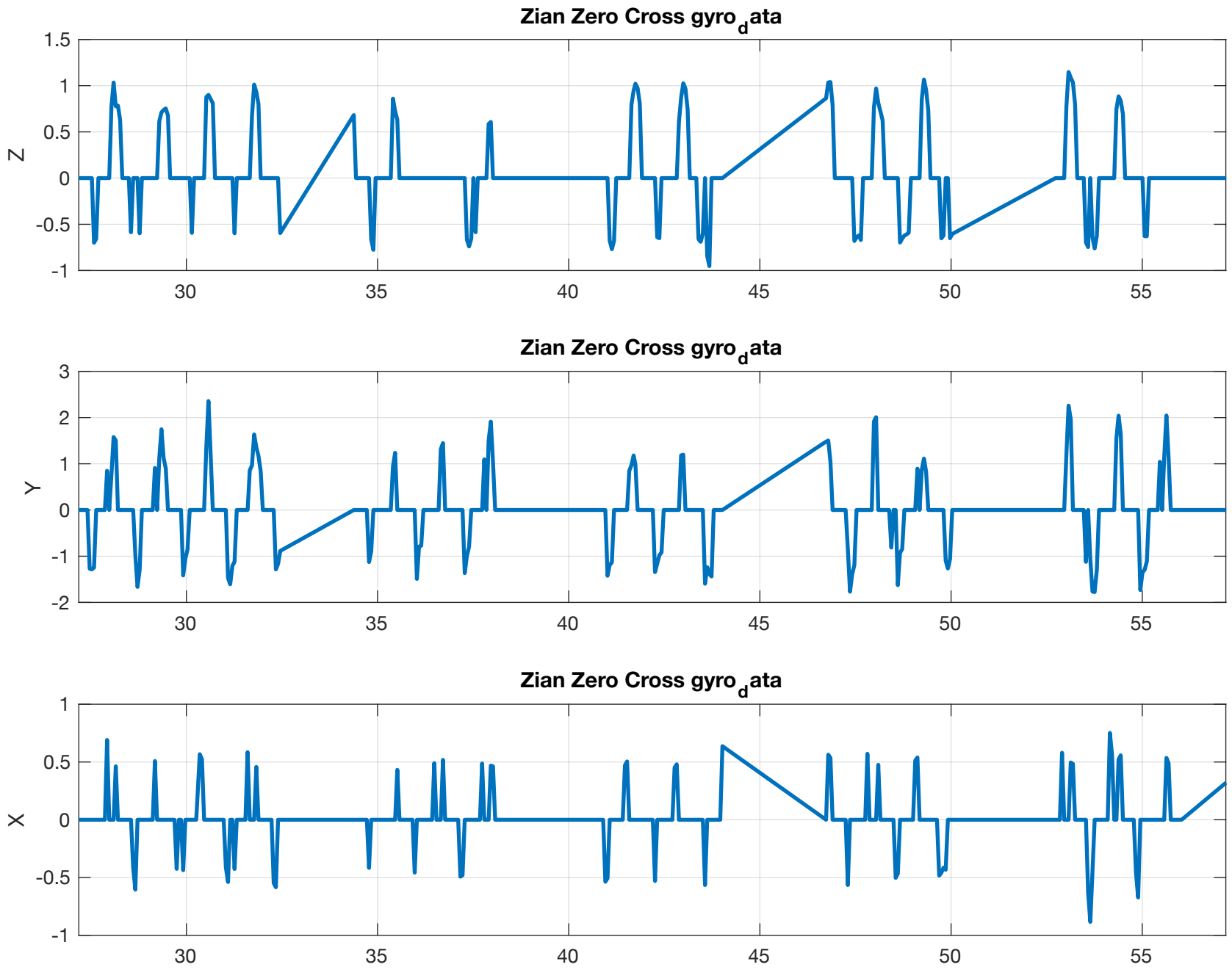

Zian bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
35
40
45
50
55
60


Zian Zero Cross bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
35
40
45
50
55
60

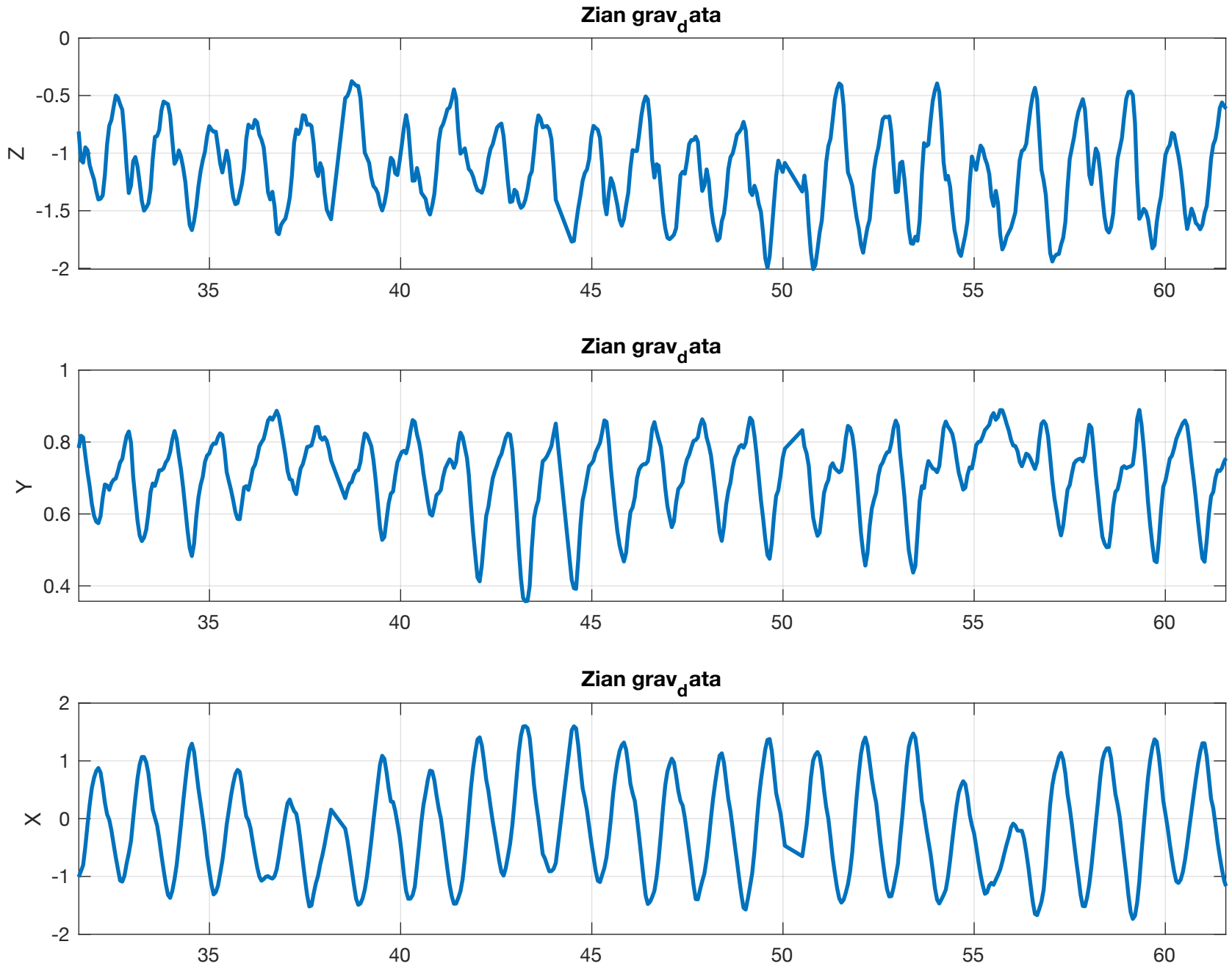

Zian Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
35
40
45
50
55
60

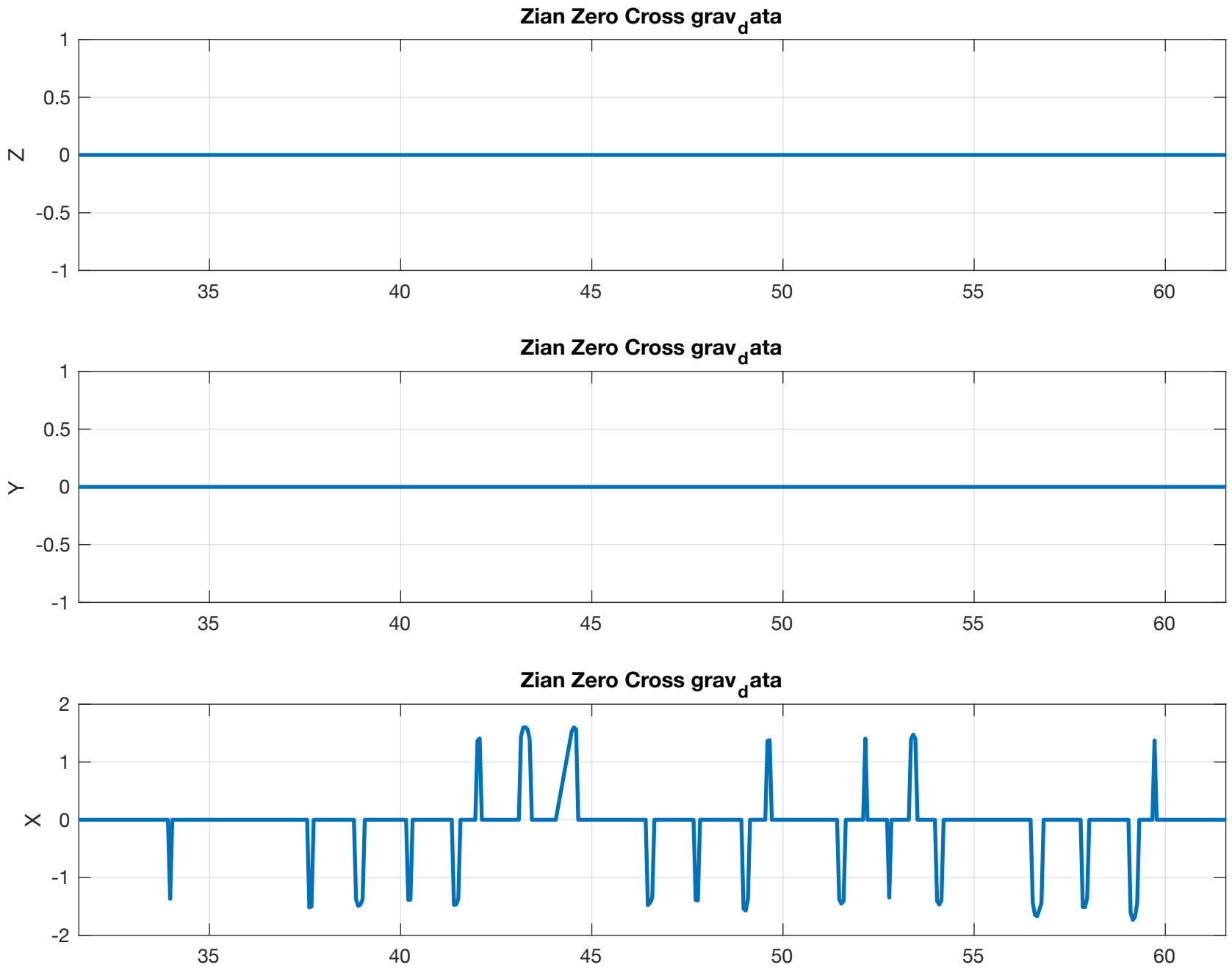
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-2.000	39.000	63.000	49.750	"bar_data"
"Pressure"	-36.000	-29.000	47.000	50.750	"bar_data"


Zian gyro_data
Z
1.5
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian gyro_data
Y
3
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

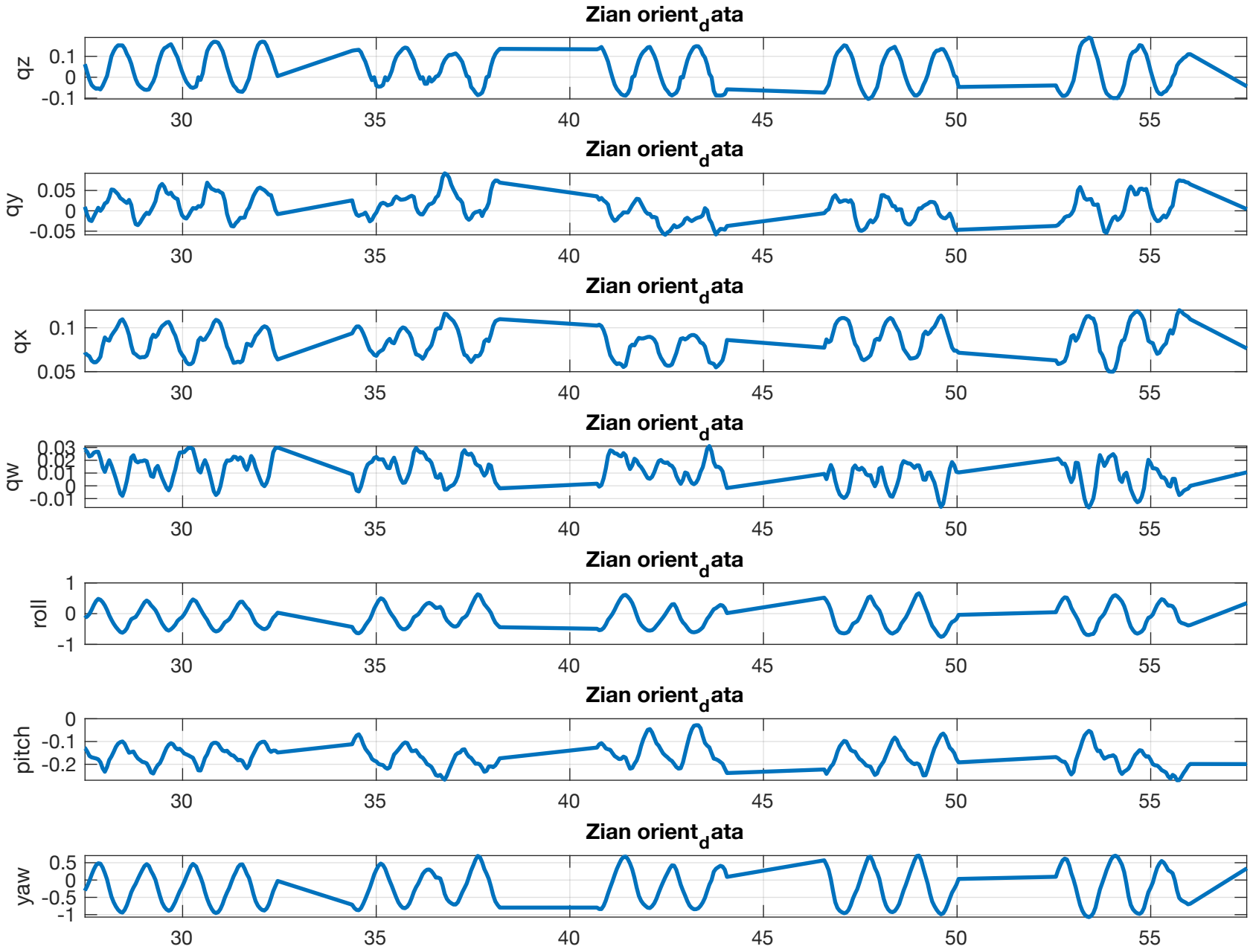

Zian Zero Cross gyro_data
Z
1.5
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
3
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
-1
30
35
40
45
50
55

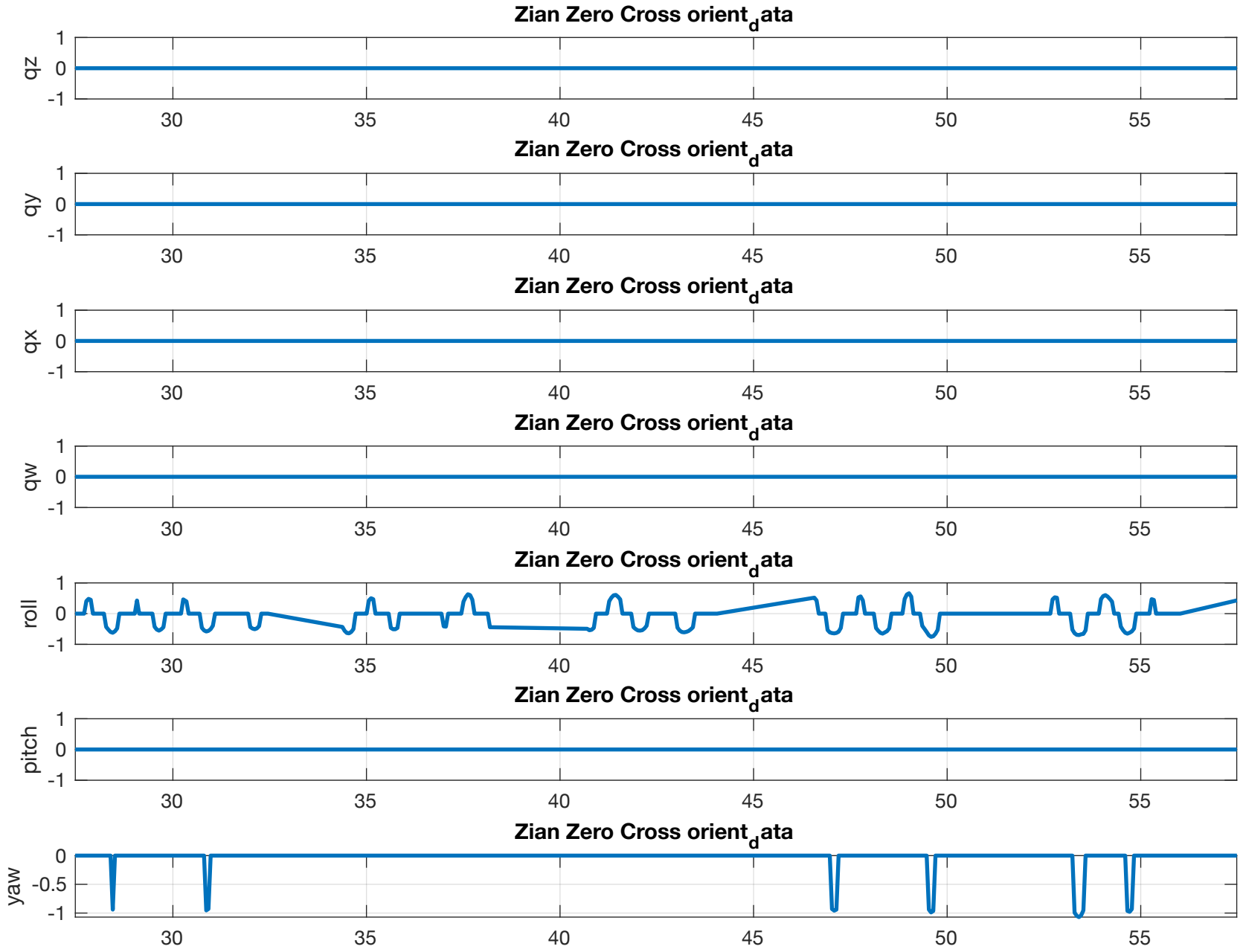
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-99.000	-36.000	37.000	52.500	"gyro_data"
'Y'	-186.000	-98.000	32.000	34.000	"gyro_data"
'X'	-144.000	-78.000	37.000	38.500	"gyro_data"


Zian grav_data
Z
0
-0.5
-1
-1.5
-2
35
40
45
50
55
60
Zian grav_data
Y
1
0.8
0.6
0.4
35
40
45
50
55
60
Zian grav_data
X
2
1
0
-1
-2
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
2
1
0
-1
-2
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-60.000	60.000	89.000	97.750	"grav_data"
'Y'	-42.000	-7.000	57.000	99.250	"grav_data"
'X'	-10.000	28.000	76.000	76.750	"grav_data"


Zian orientdata
qz
0.1
0
-0.1
30
35
40
45
50
55
Zian orientdata
qy
0.05
0
-0.05
30
35
40
45
50
55
Zian orientdata
qx
0.1
0.05
30
35
40
45
50
55
Zian orientdata
qw
0.03
0.02
0.01
0
-0.01
30
35
40
45
50
55
Zian orientdata
roll
1
0
-1
30
35
40
45
50
55
Zian orientdata
pitch
0
-0.1
-0.2
30
35
40
45
50
55
Zian orientdata
yaw
0.5
0
-0.5
-1
30
35
40
45
50
55


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

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-8.000	34.000	75.000	97.250	"orient_data"
'qy'	-62.000	3.000	55.000	91.750	"orient_data"
'qx'	-23.000	12.000	70.000	97.750	"orient_data"
'qw'	-50.000	-39.000	60.000	97.750	"orient_data"
'roll'	2.000	22.000	72.000	67.250	"orient_data"
'pitch'	-24.000	67.000	91.000	97.250	"orient_data"
'yaw'	11.000	36.000	77.000	93.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	3.000
'bar_data'	"Relative Altitude"	'findpeaks'	2.000
'gyro_data'	"Y"	'double_findpeaks'	32.000
'grav_data'	"Y"	'findpeaks_above_zero'	7.000
'orient_data'	"roll"	'findpeaks'	2.000