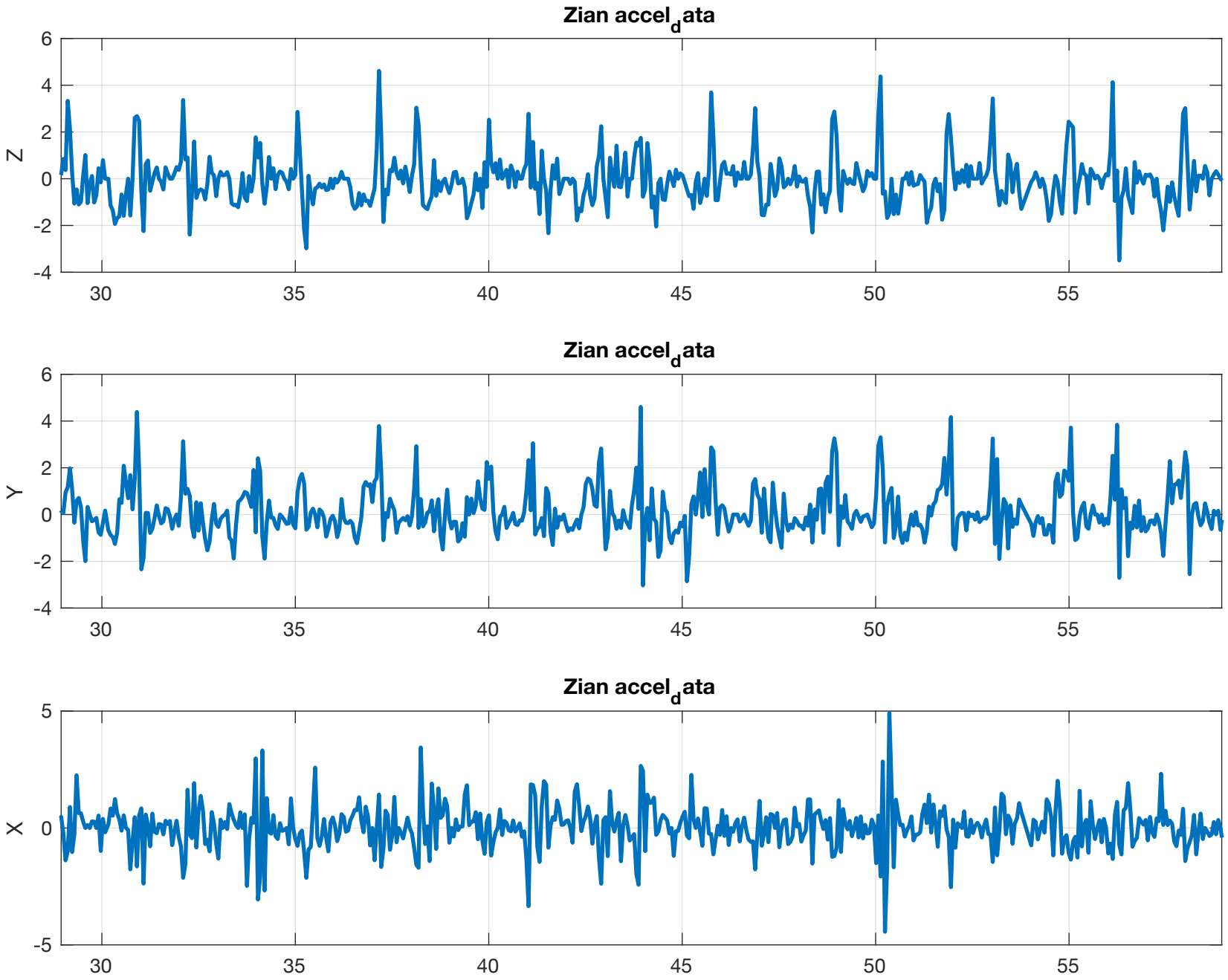
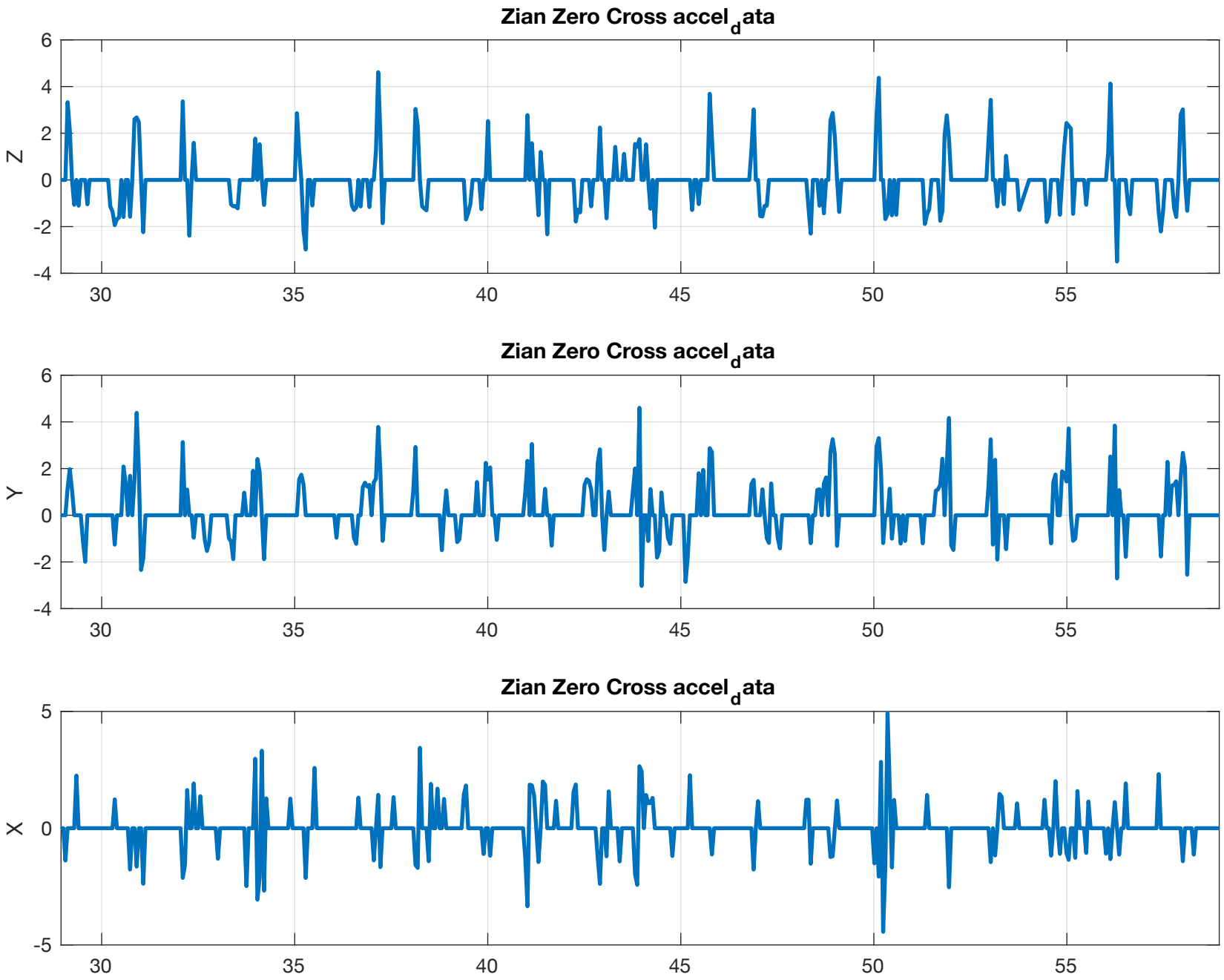
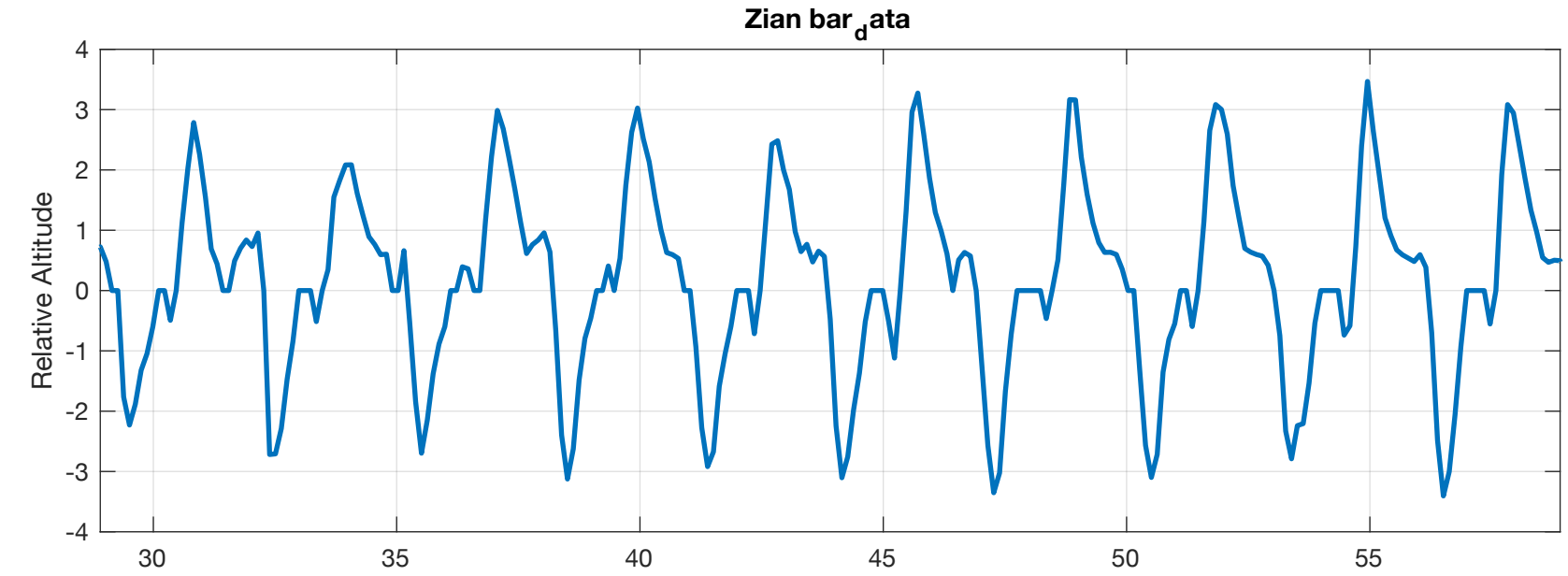
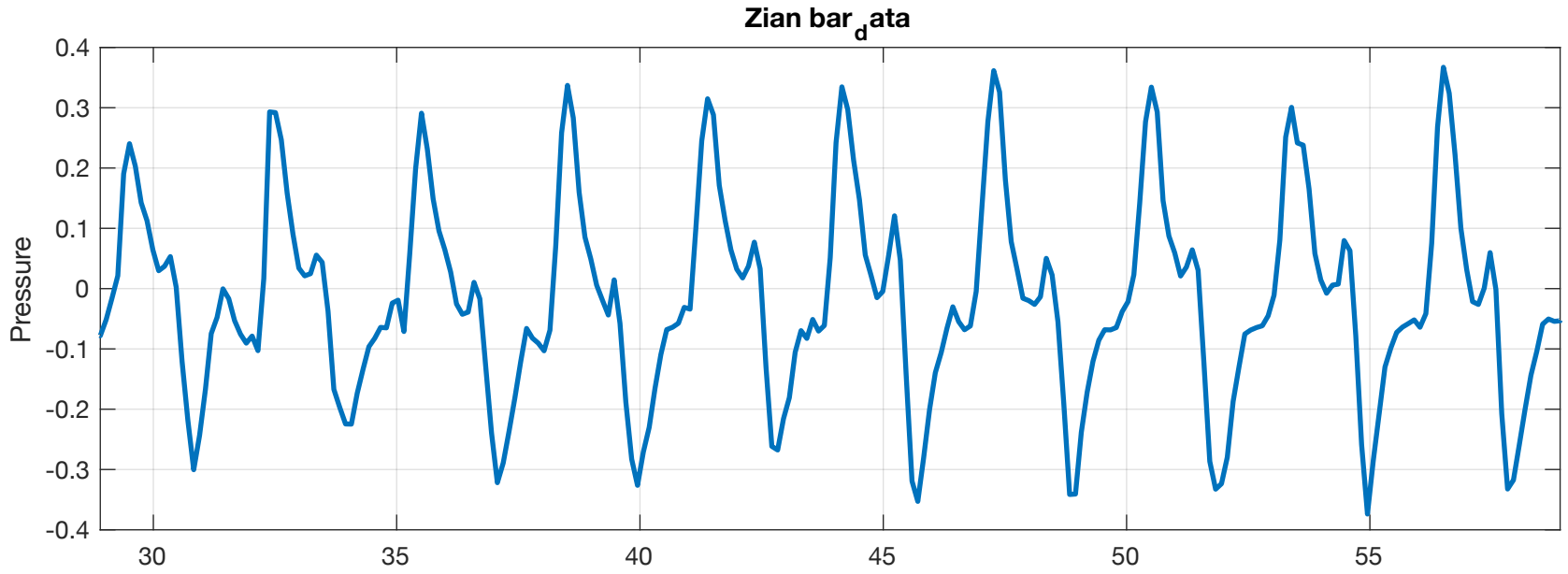
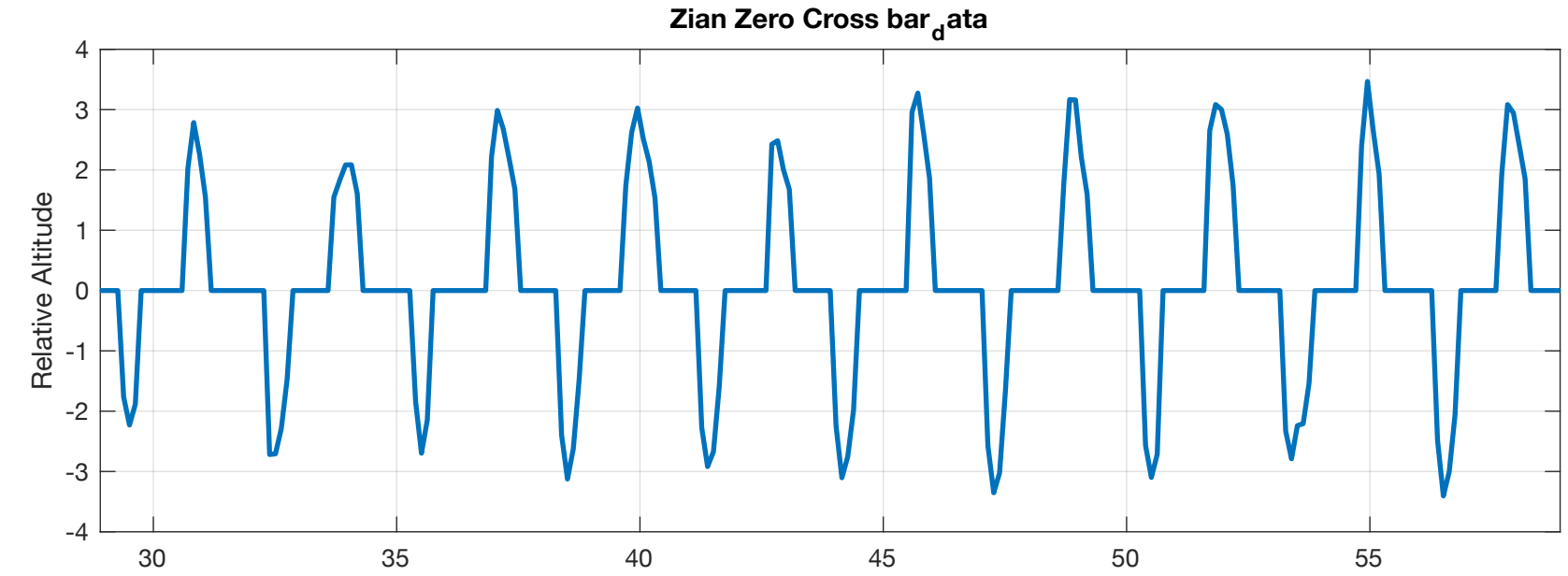

Zian accel_data
Z
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian accel_data
X
5
0
-5
30
35
40
45
50
55

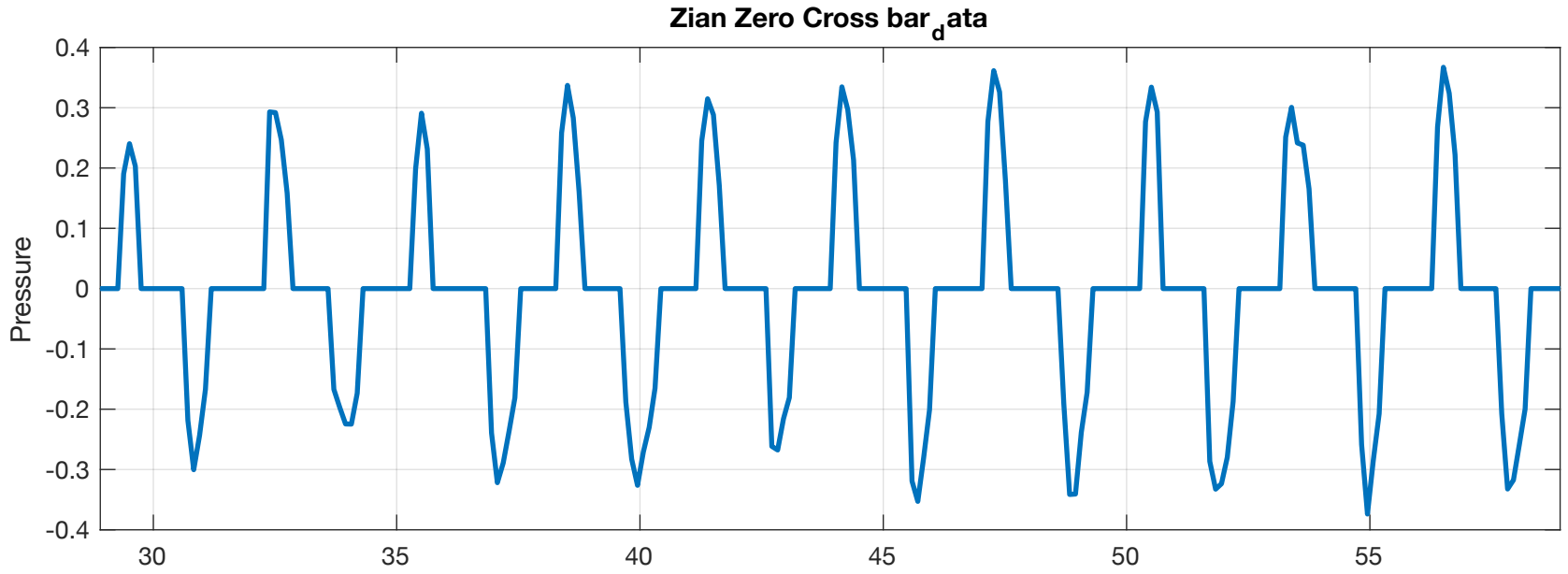

Zian Zero Cross accel_data
Z
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian Zero Cross accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian Zero Cross accel_data
X
5
0
-5
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-592.000	-482.000	-190.000	-111.500	"accel_data"
'Y'	-613.000	-380.000	-143.000	-128.500	"accel_data"
'X'	-619.000	-478.000	-177.000	-144.500	"accel_data"

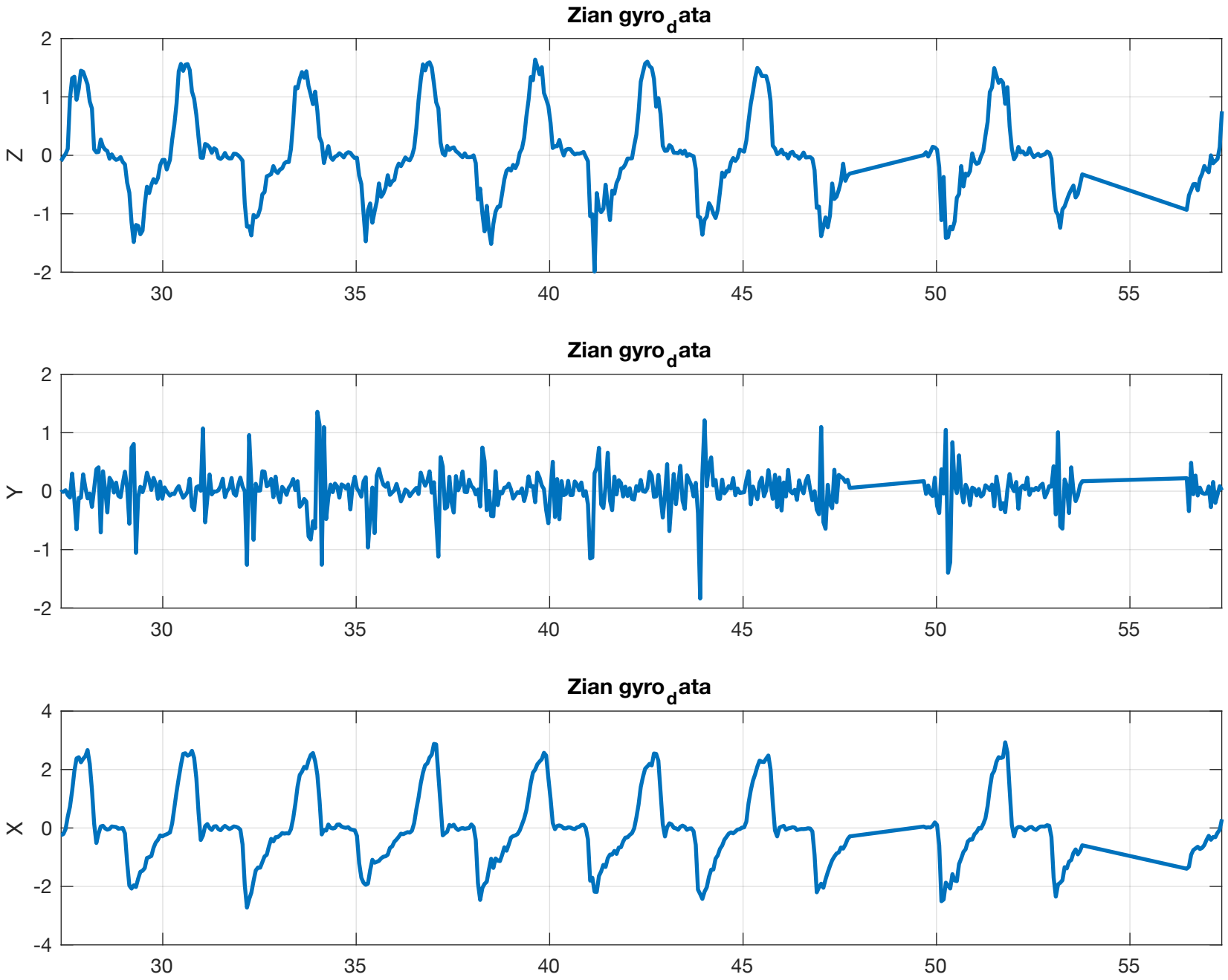

Zian bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
30
35
40
45
50
55

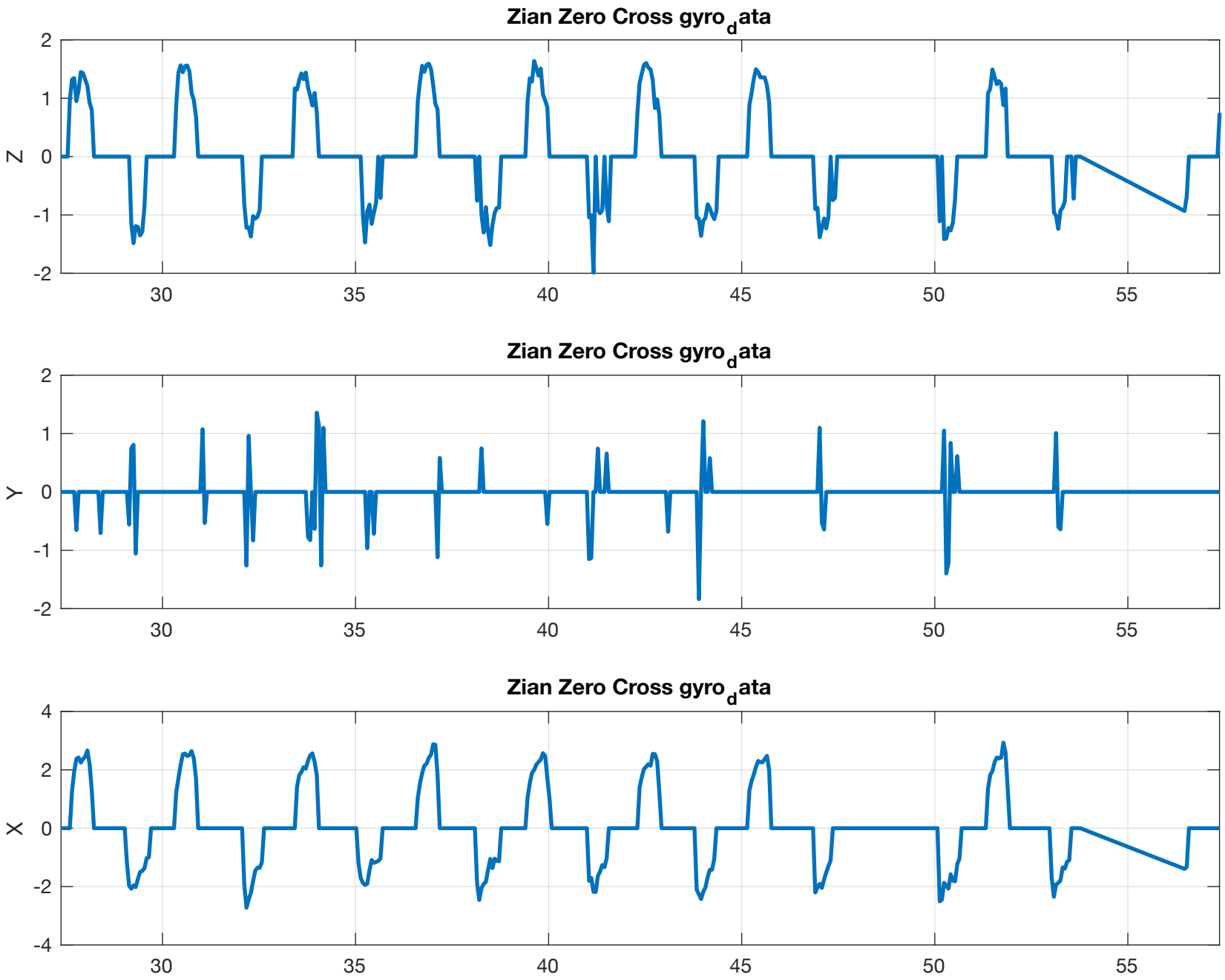

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
30
35
40
45
50
55


Zian Zero Cross bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
30
35
40
45
50
55

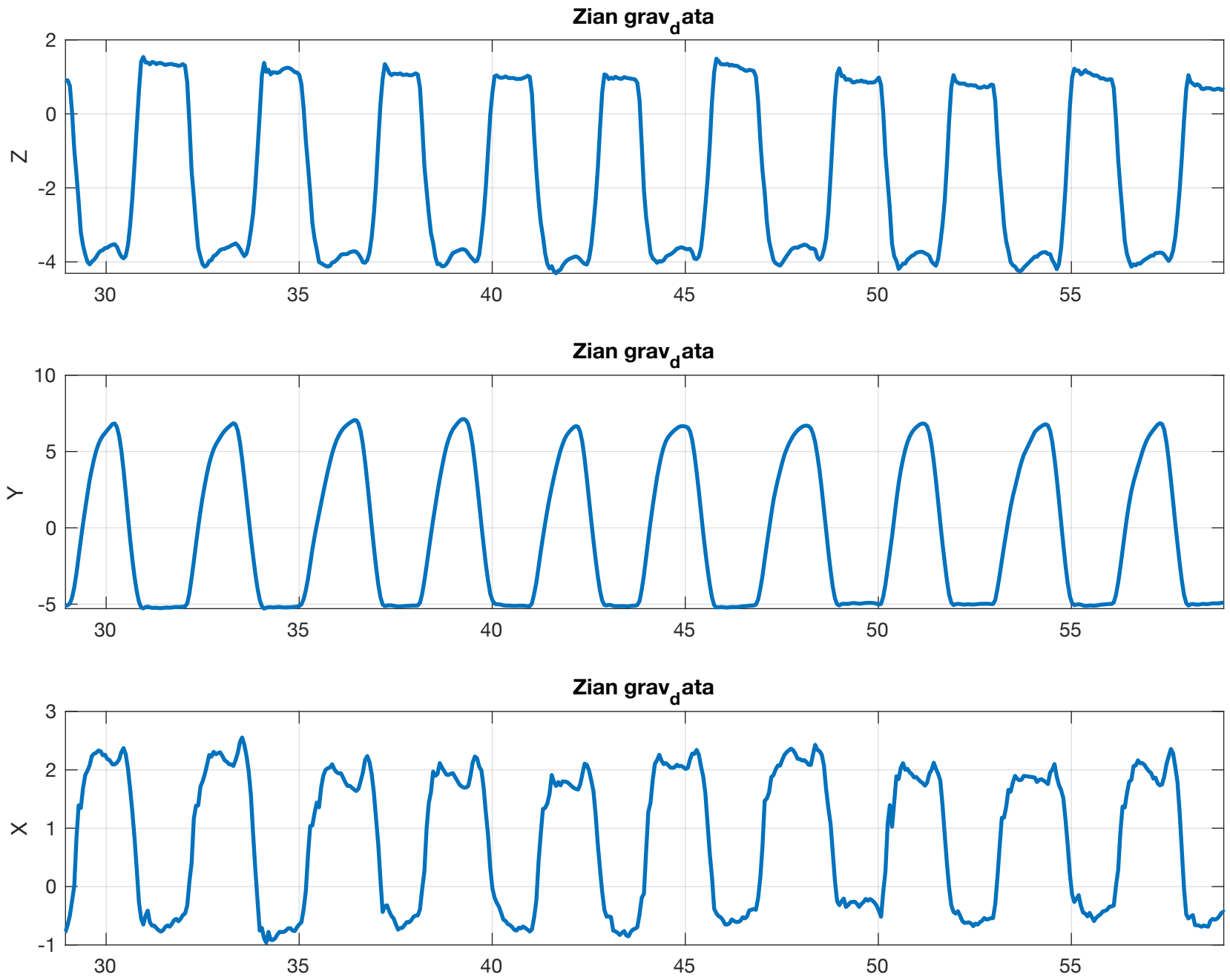

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
30
35
40
45
50
55

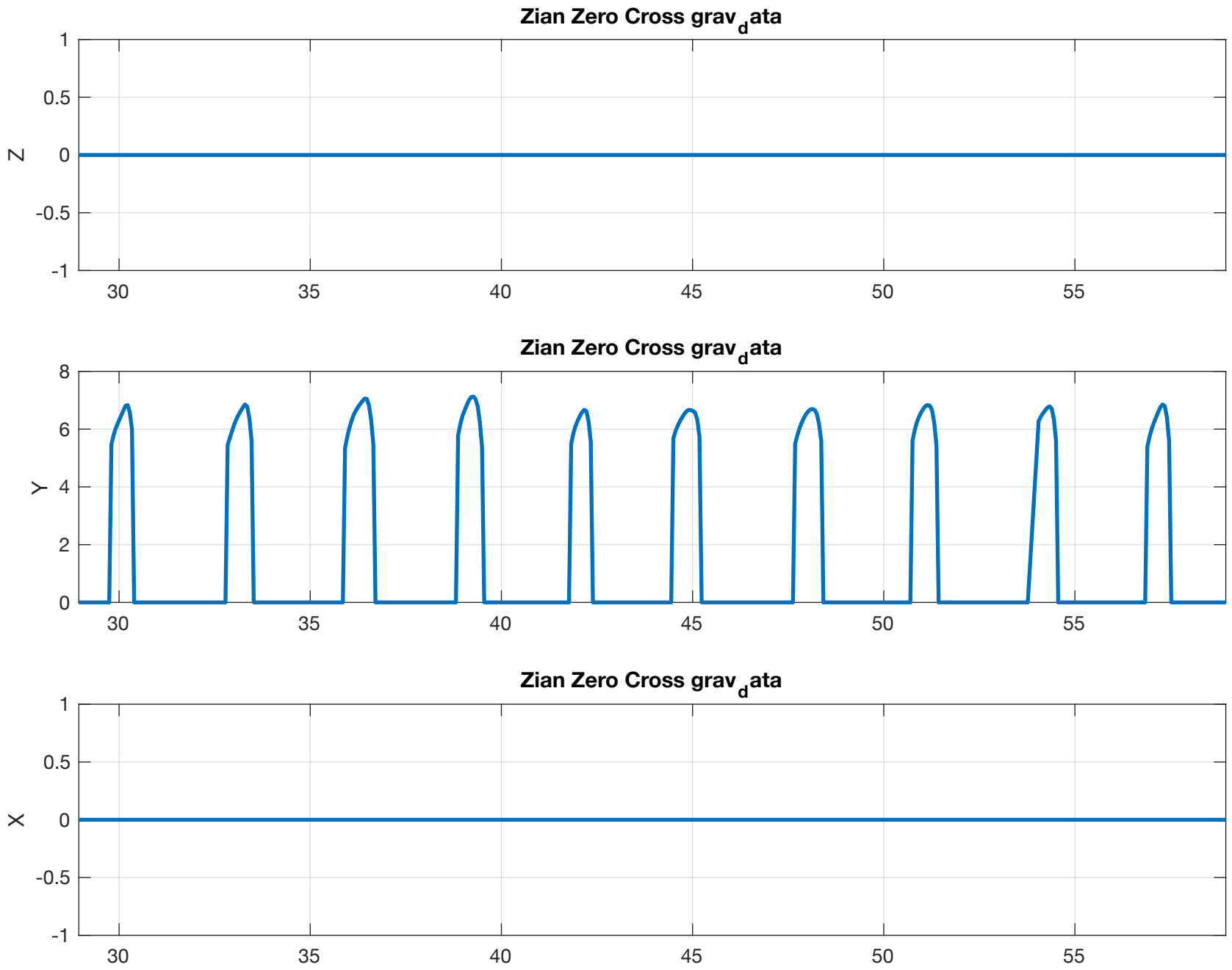
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-95.000	-64.000	-32.000	-31.750	"bar_data"
"Pressure"	-142.000	-98.000	-43.000	-31.750	"bar_data"


Zian gyro_data
Z
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
4
2
0
-2
-4
30
35
40
45
50
55

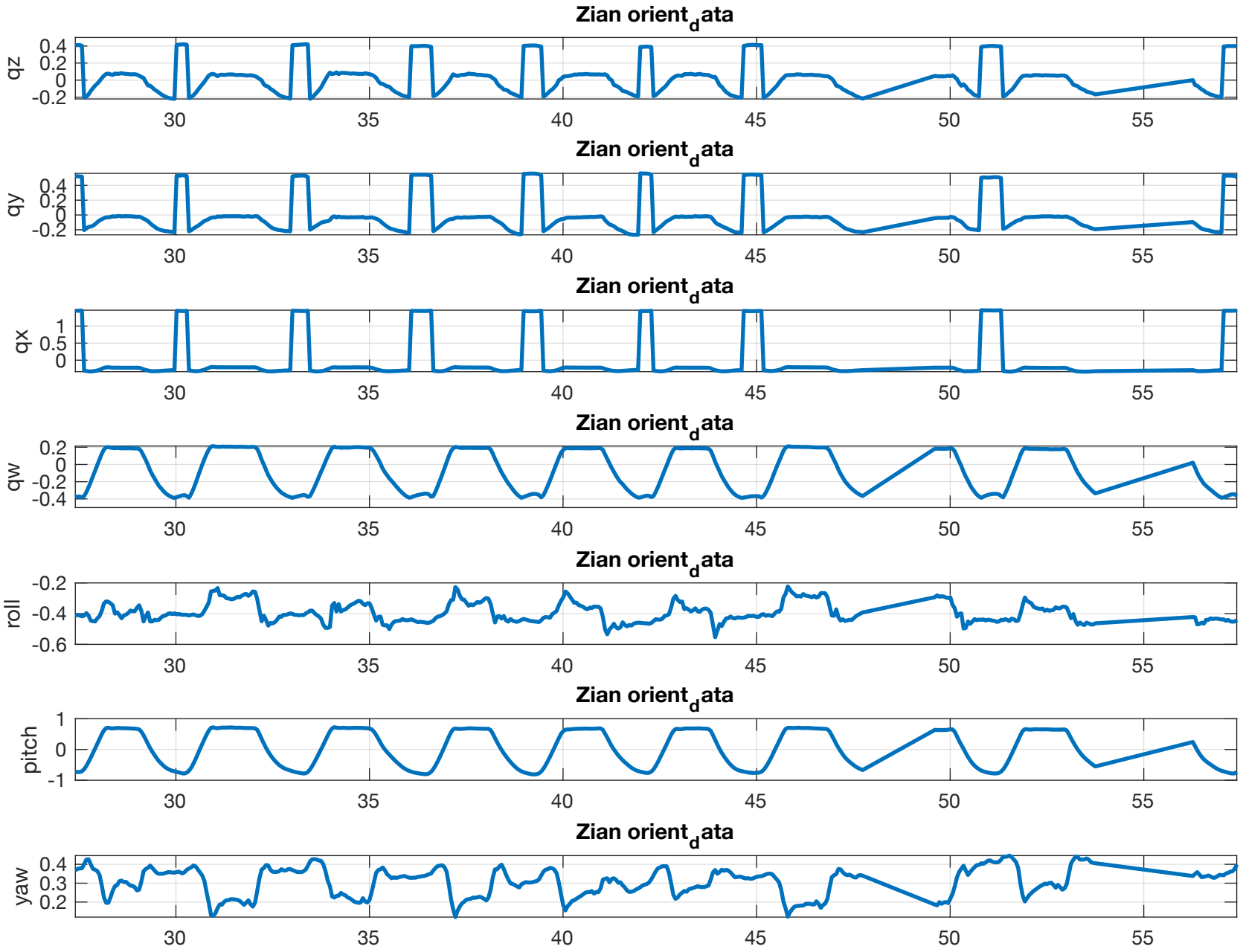

Zian Zero Cross gyro_data
Z
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
4
2
0
-2
-4
30
35
40
45
50
55

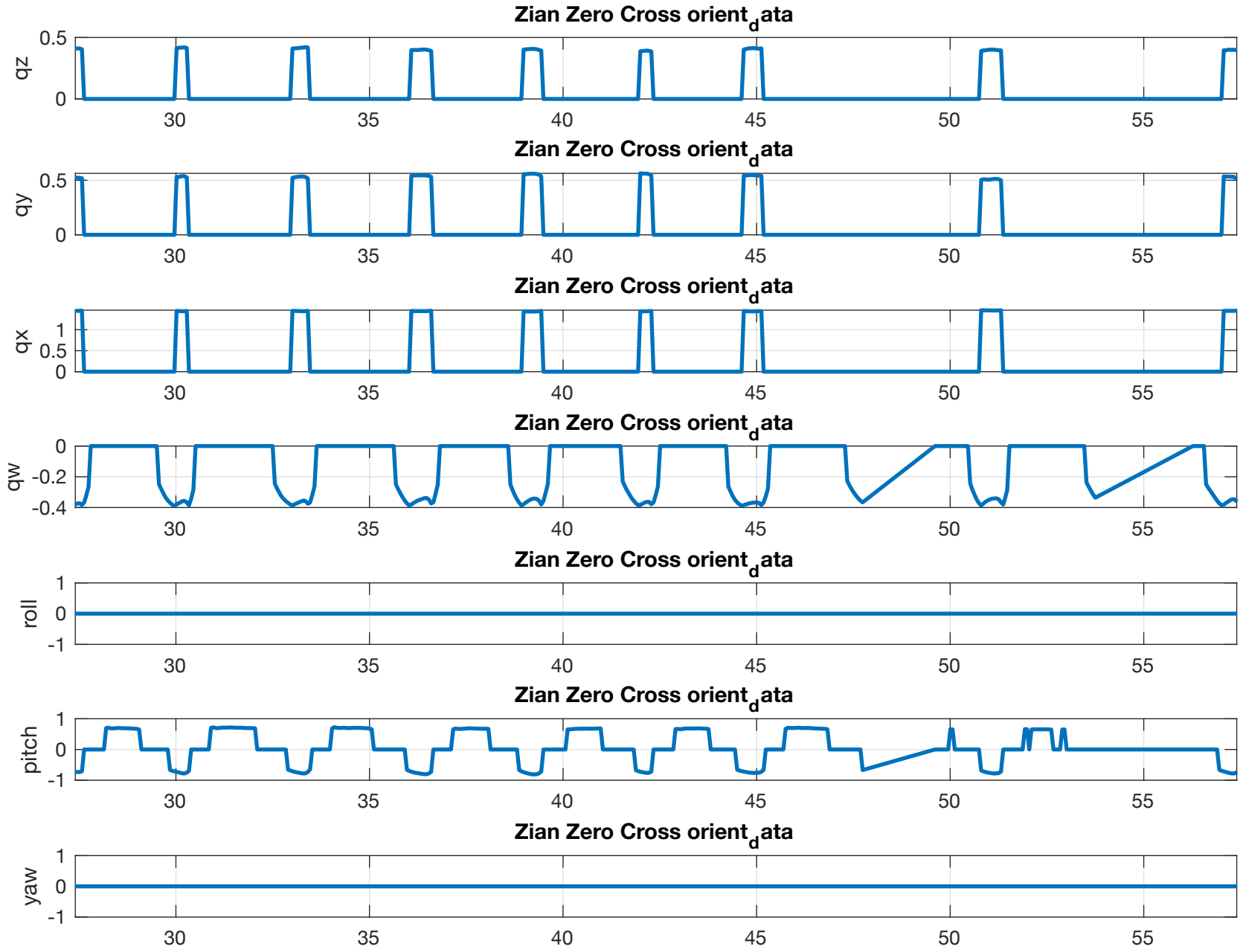
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-458.000	-321.000	-97.000	-41.000	"gyro_data"
'Y'	-574.000	-529.000	-168.000	-76.000	"gyro_data"
'X'	-362.000	-252.000	-93.000	-27.000	"gyro_data"


Zian grav_data
Z
2
0
-2
-4
30
35
40
45
50
55
Zian grav_data
Y
10
5
0
-5
30
35
40
45
50
55
Zian grav_data
X
3
2
1
0
-1
30
35
40
45
50
55


Zian Zero Cross grav_data
Z
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian Zero Cross grav_data
Y
8
6
4
2
0
30
35
40
45
50
55
Zian Zero Cross grav_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'	-261.000	-144.000	-48.000	-1.750	"grav_data"
'Y'	-171.000	-41.000	-30.000	-13.500	"grav_data"
'X'	-318.000	-142.000	-57.000	-3.250	"grav_data"


Zian orientdata
qz
0.4
0.2
0
-0.2
30
35
40
45
50
55
Zian orientdata
qy
0.4
0.2
0
-0.2
30
35
40
45
50
55
Zian orientdata
qx
1
0.5
0
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
-0.2
-0.4
-0.6
30
35
40
45
50
55
Zian orientdata
pitch
1
0
-1
30
35
40
45
50
55
Zian orientdata
yaw
0.4
0.3
0.2
30
35
40
45
50
55


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

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-264.000	-225.000	-68.000	-12.000	"orient_data"
'qy'	-264.000	-133.000	-47.000	-12.250	"orient_data"
'qx'	-229.000	-77.000	-36.000	-12.500	"orient_data"
'qw'	-209.000	-133.000	-47.000	-14.250	"orient_data"
'roll'	-392.000	-32.000	-9.000	-3.250	"orient_data"
'pitch'	-170.000	-149.000	-39.000	-28.000	"orient_data"
'yaw'	-274.000	-240.000	-69.000	-0.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	111.500
'bar_data'	"Relative Altitude"	'zero_cross'	31.750
'gyro_data'	"X"	'zero_cross'	27.000
'grav_data'	"Z"	'zero_cross'	1.750
'orient_data'	"yaw"	'zero_cross'	0.750