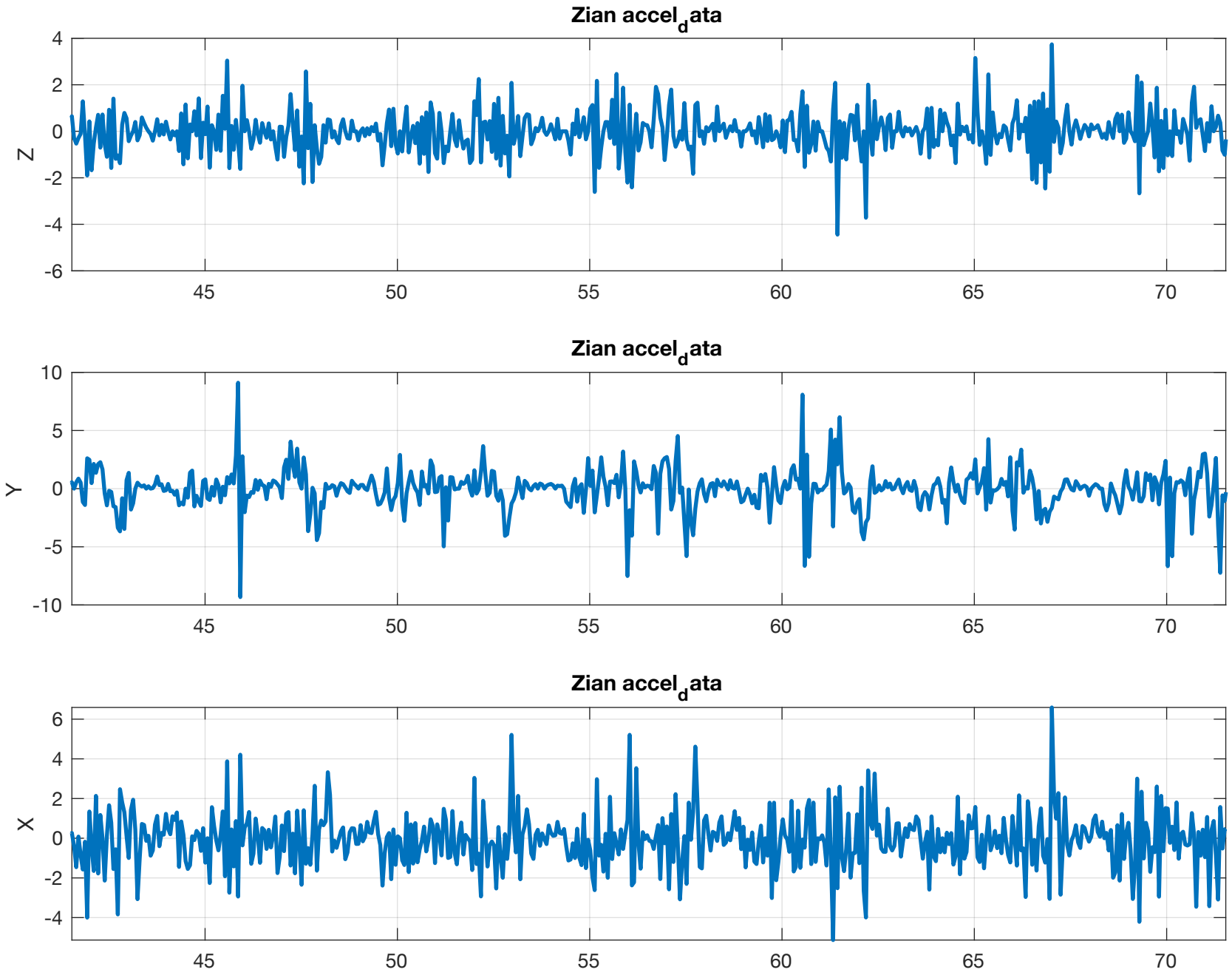
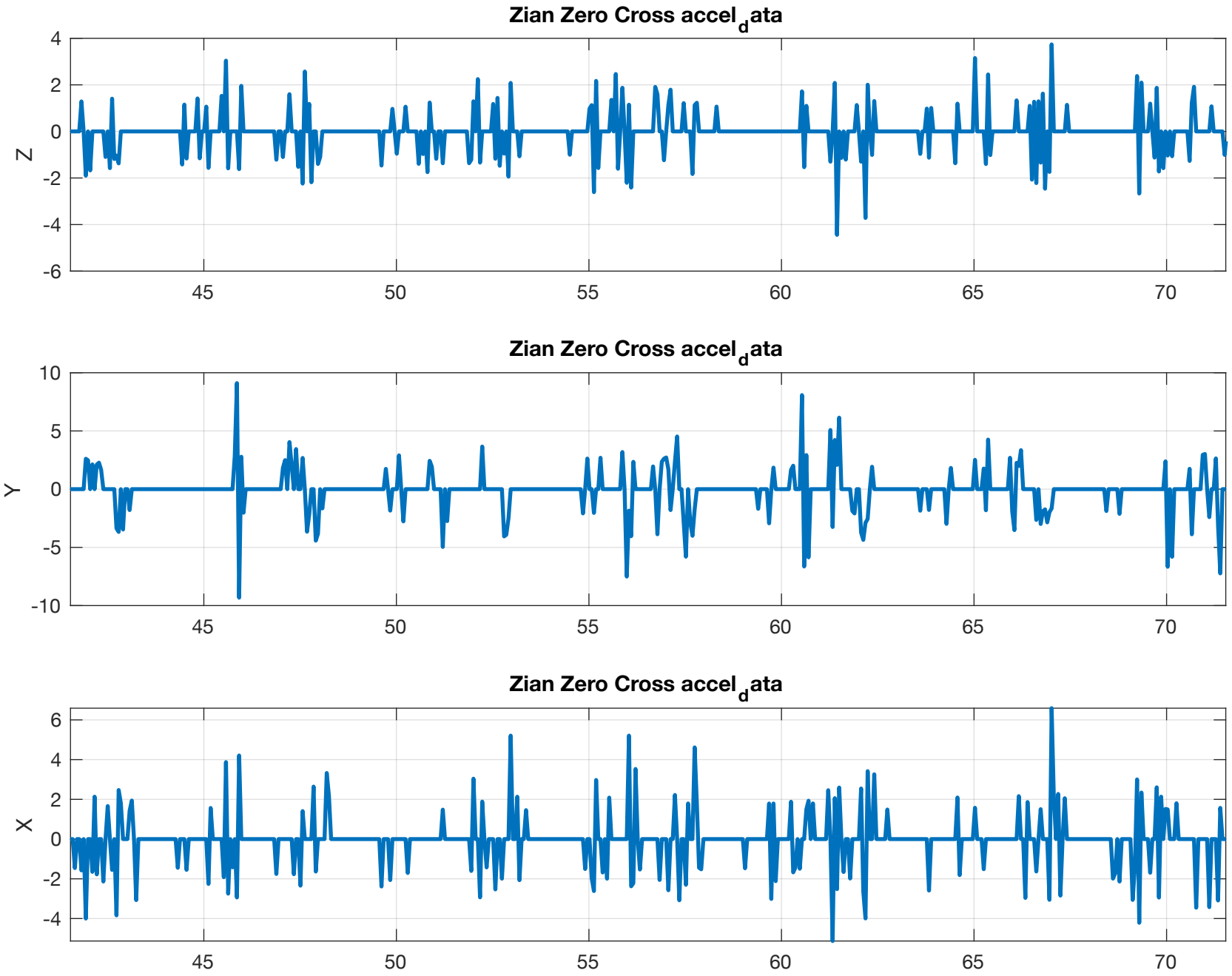
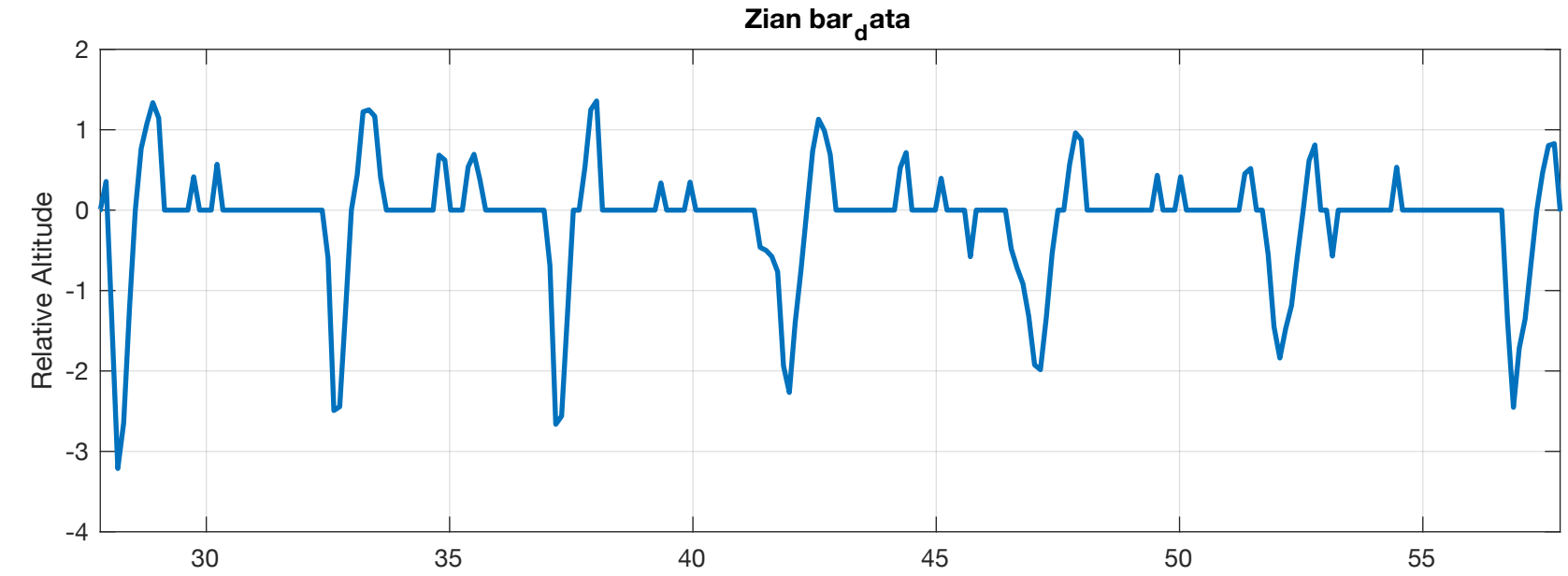
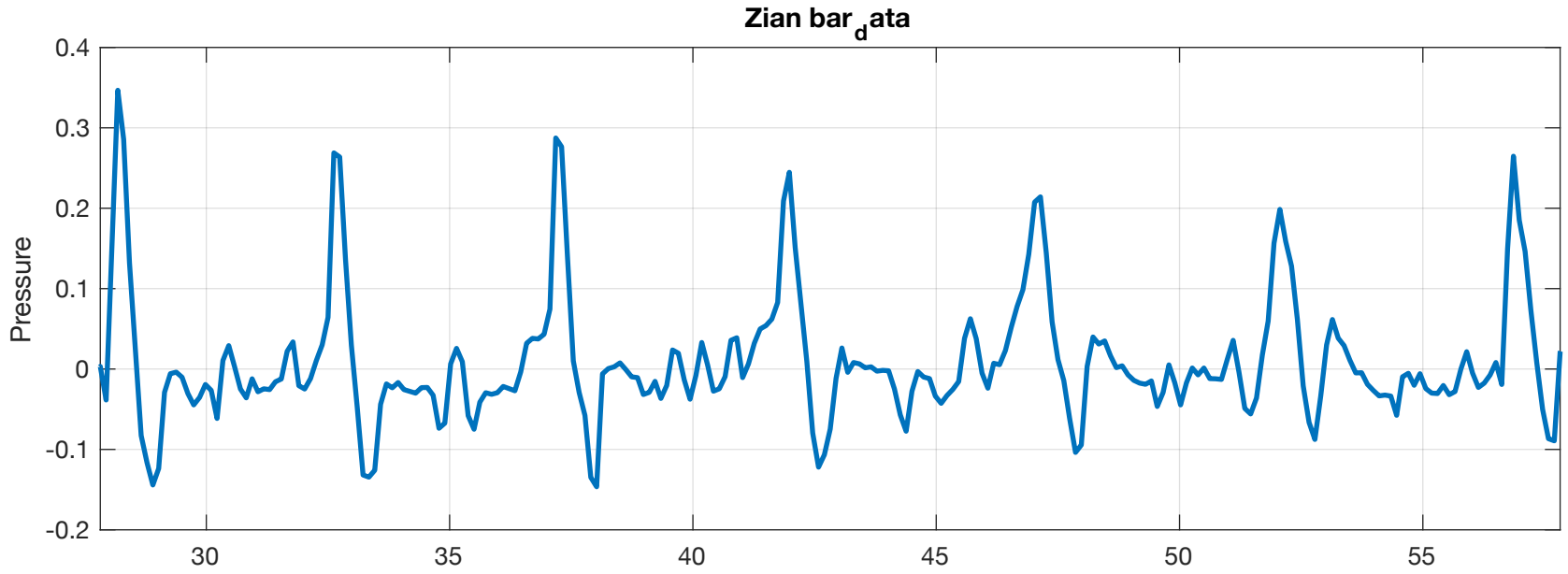
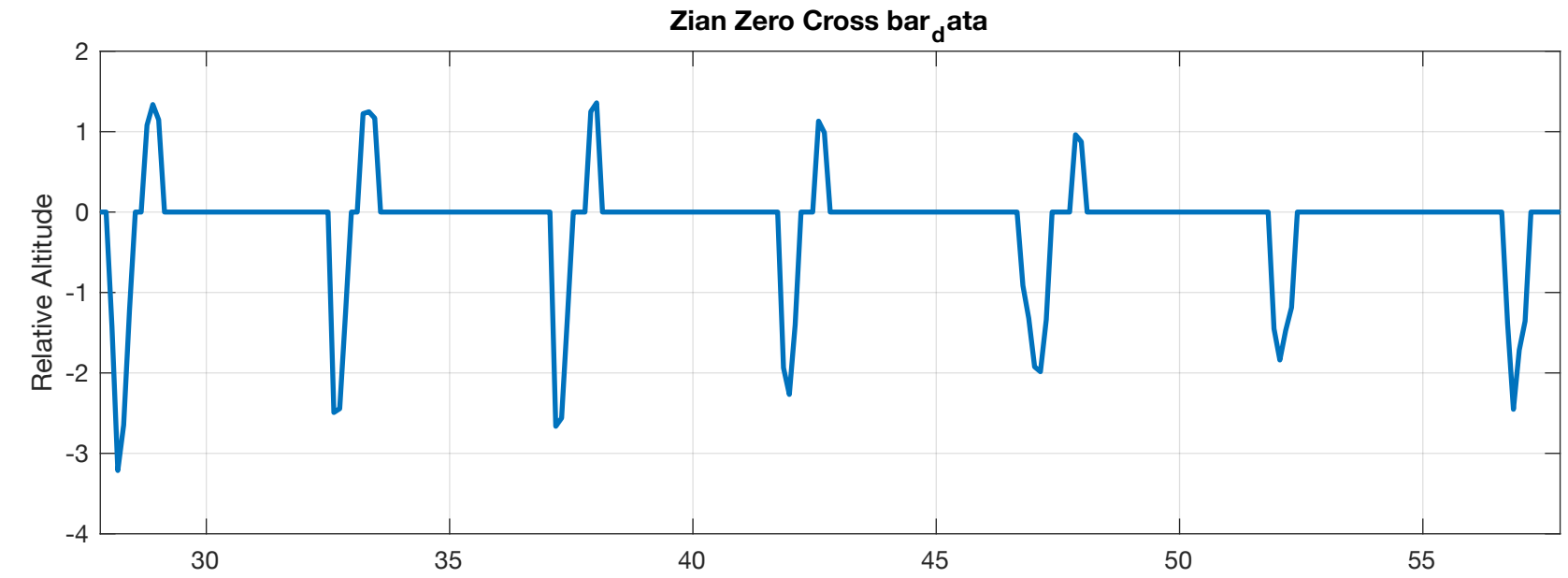

Zian accel_data
Z
4
2
0
-2
-4
-6
45
50
55
60
65
70
Zian accel_data
Y
10
5
0
-5
-10
45
50
55
60
65
70
Zian accel_data
X
6
4
2
0
-2
-4
45
50
55
60
65
70

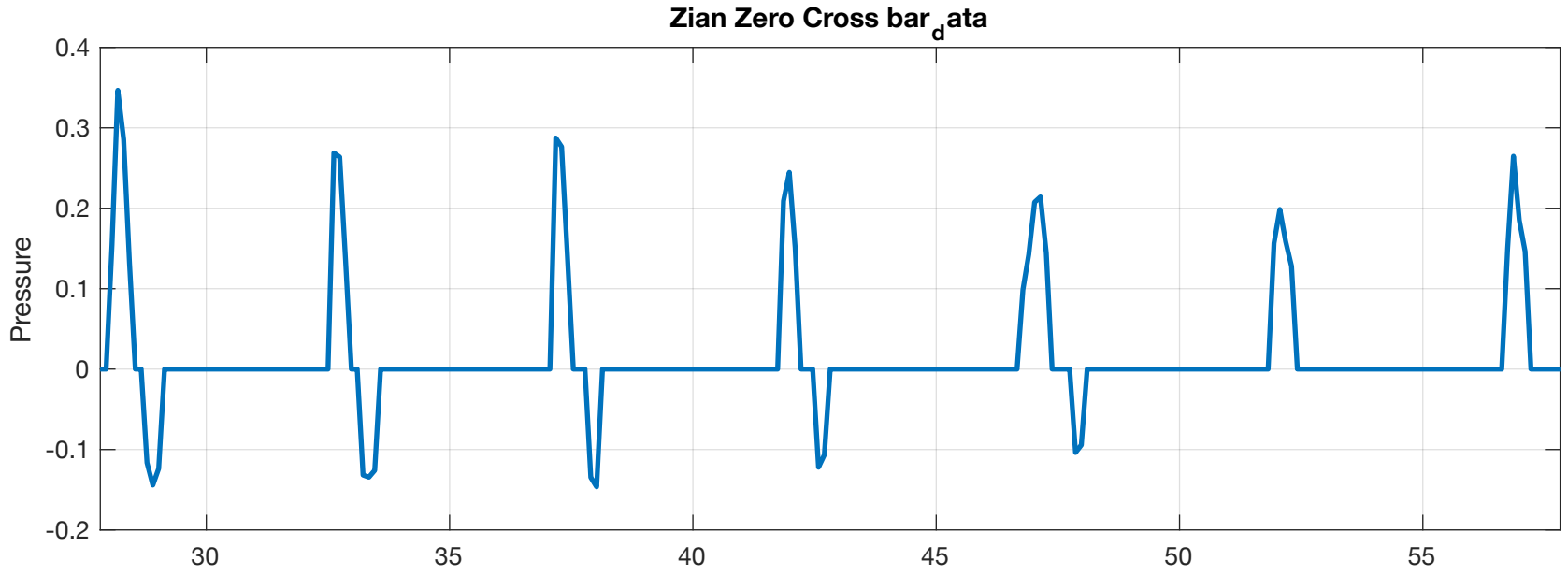

Zian Zero Cross accel_data
Z
4
2
0
-2
-4
-6
45
50
55
60
65
70
Zian Zero Cross accel_data
Y
10
5
0
-5
-10
45
50
55
60
65
70
Zian Zero Cross accel_data
X
6
4
2
0
-2
-4
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-532.000	-449.000	-161.000	-143.750	"accel_data"
'Y'	-457.000	-393.000	-134.000	-91.500	"accel_data"
'X'	-528.000	-475.000	-158.000	-156.250	"accel_data"

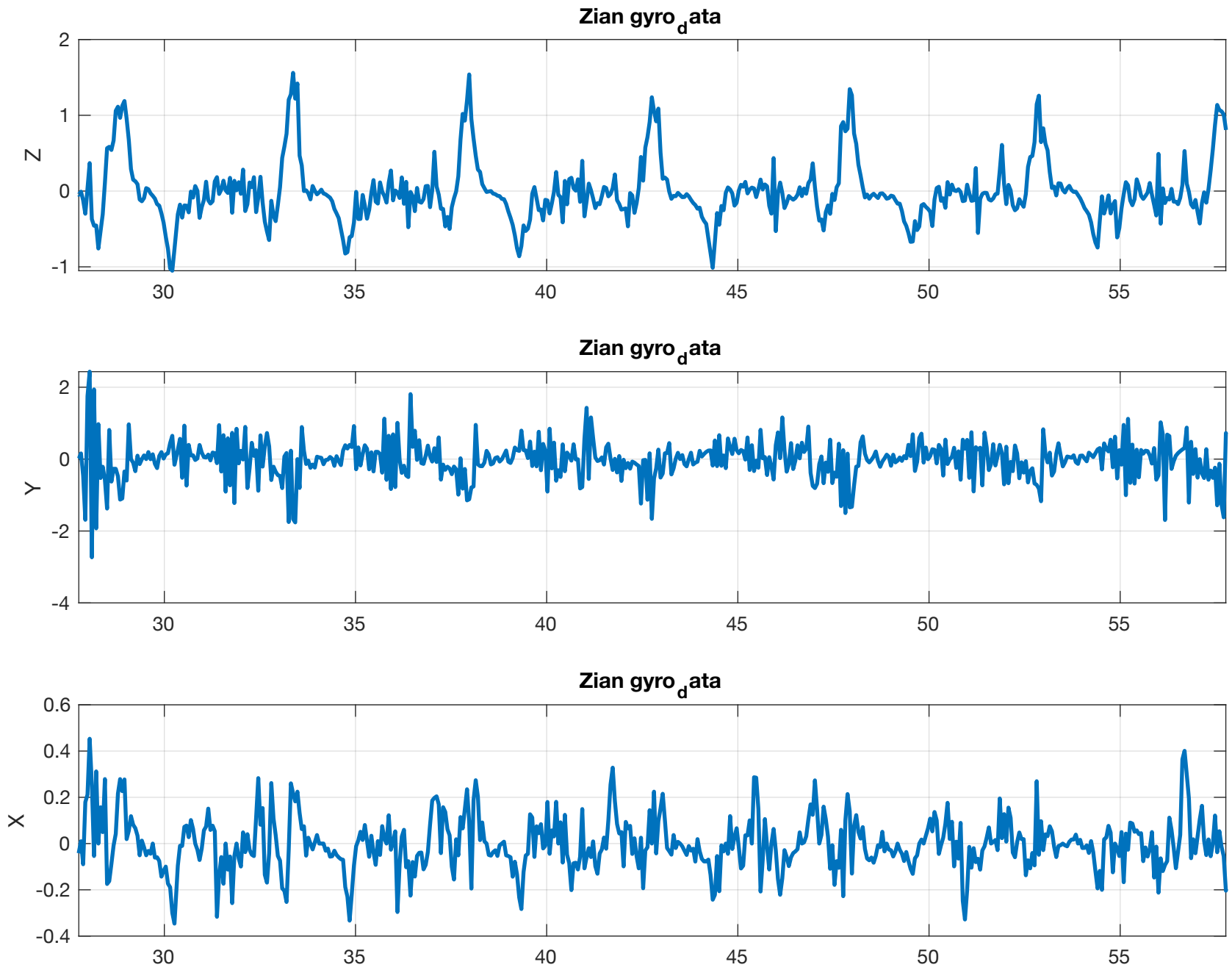

Zian bar_data
Relative Altitude
2
1
0
-1
-2
-3
-4
30
35
40
45
50
55

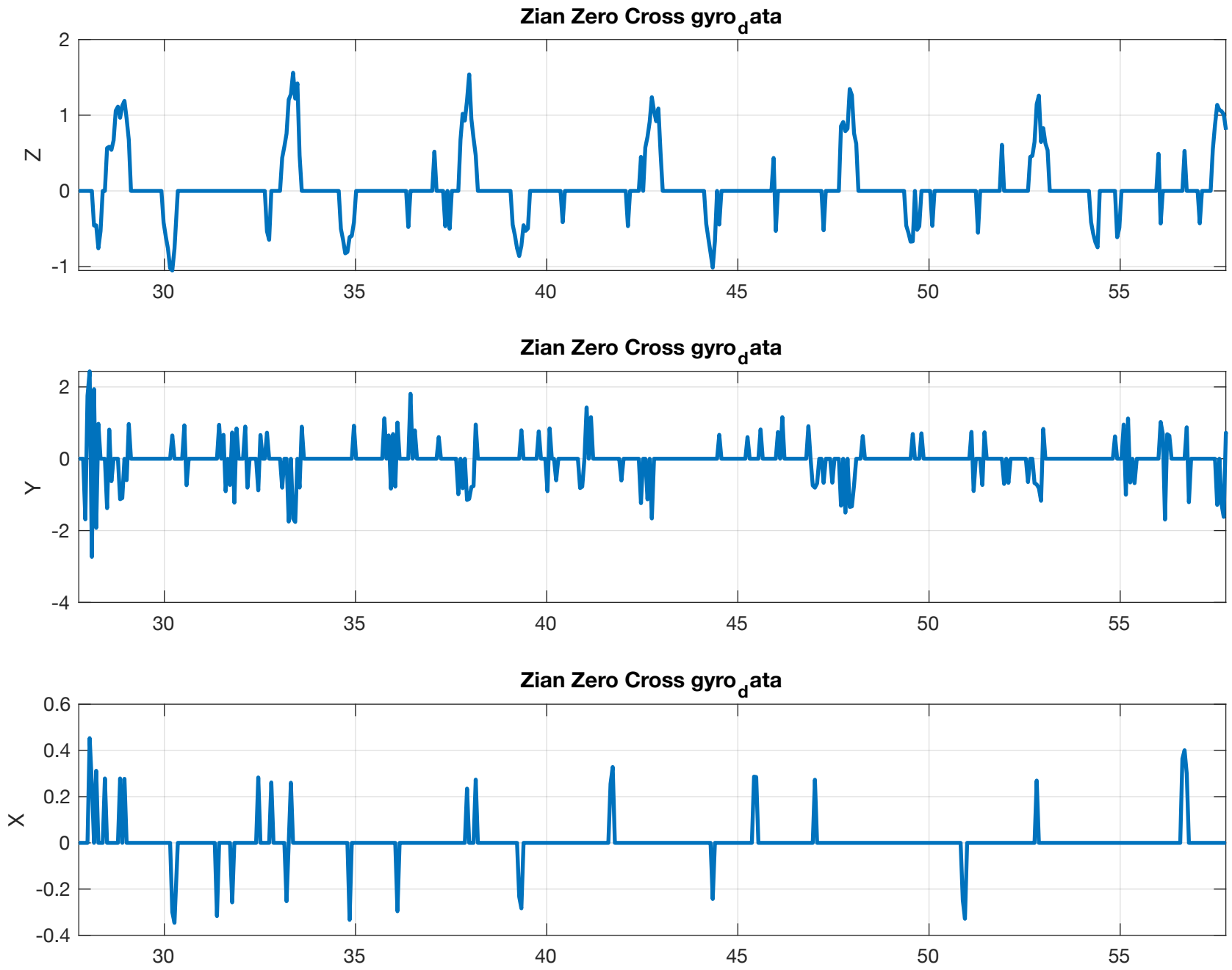

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
30
35
40
45
50
55


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

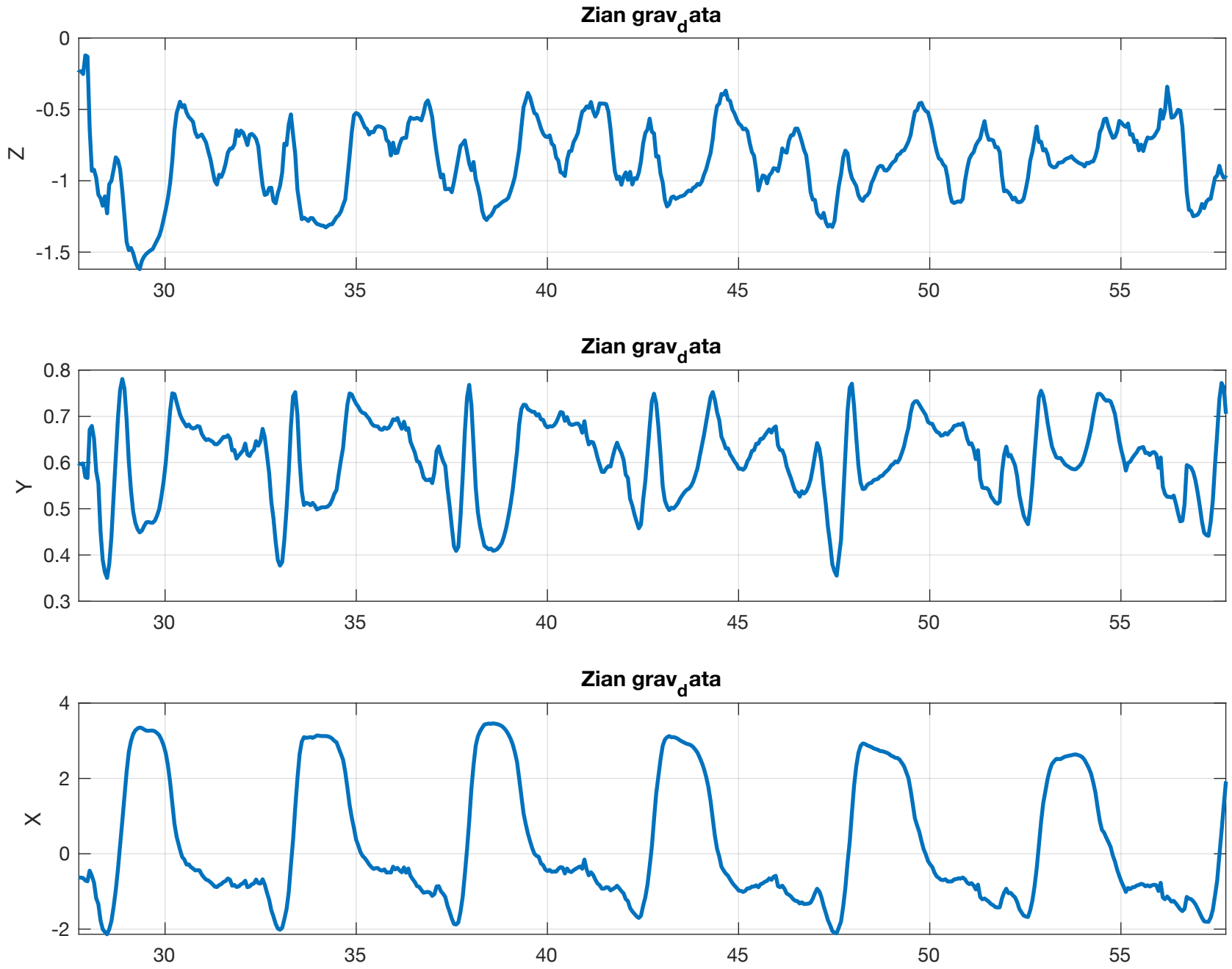

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
30
35
40
45
50
55

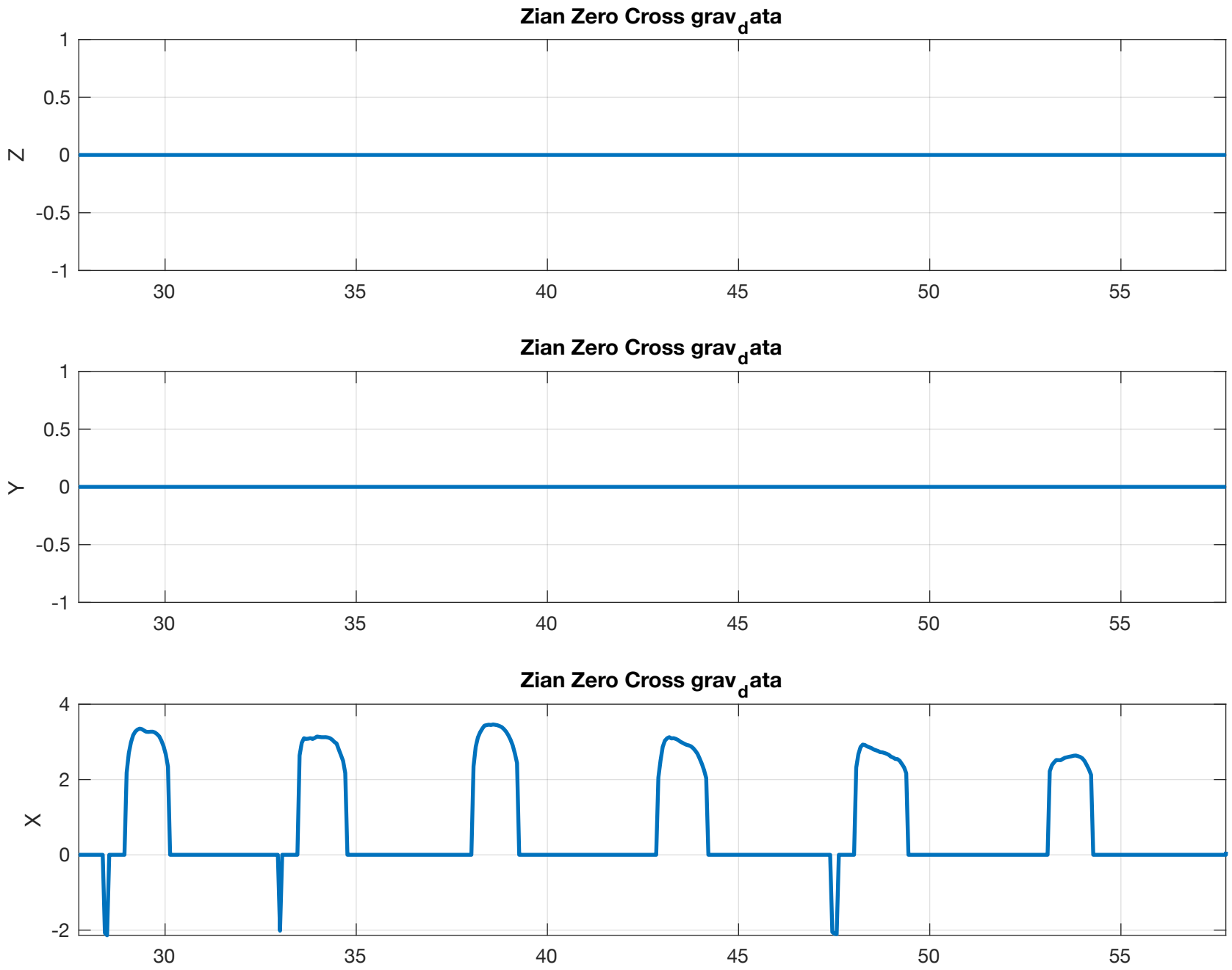
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-81.000	-61.000	-14.000	-7.750	"bar_data"
"Pressure"	-168.000	-109.000	-29.000	-7.750	"bar_data"


Zian gyro_data
Z
2
1
0
-1
30
35
40
45
50
55
Zian gyro_data
Y
2
0
-2
-4
30
35
40
45
50
55
Zian gyro_data
X
0.6
0.4
0.2
0
-0.2
-0.4
30
35
40
45
50
55

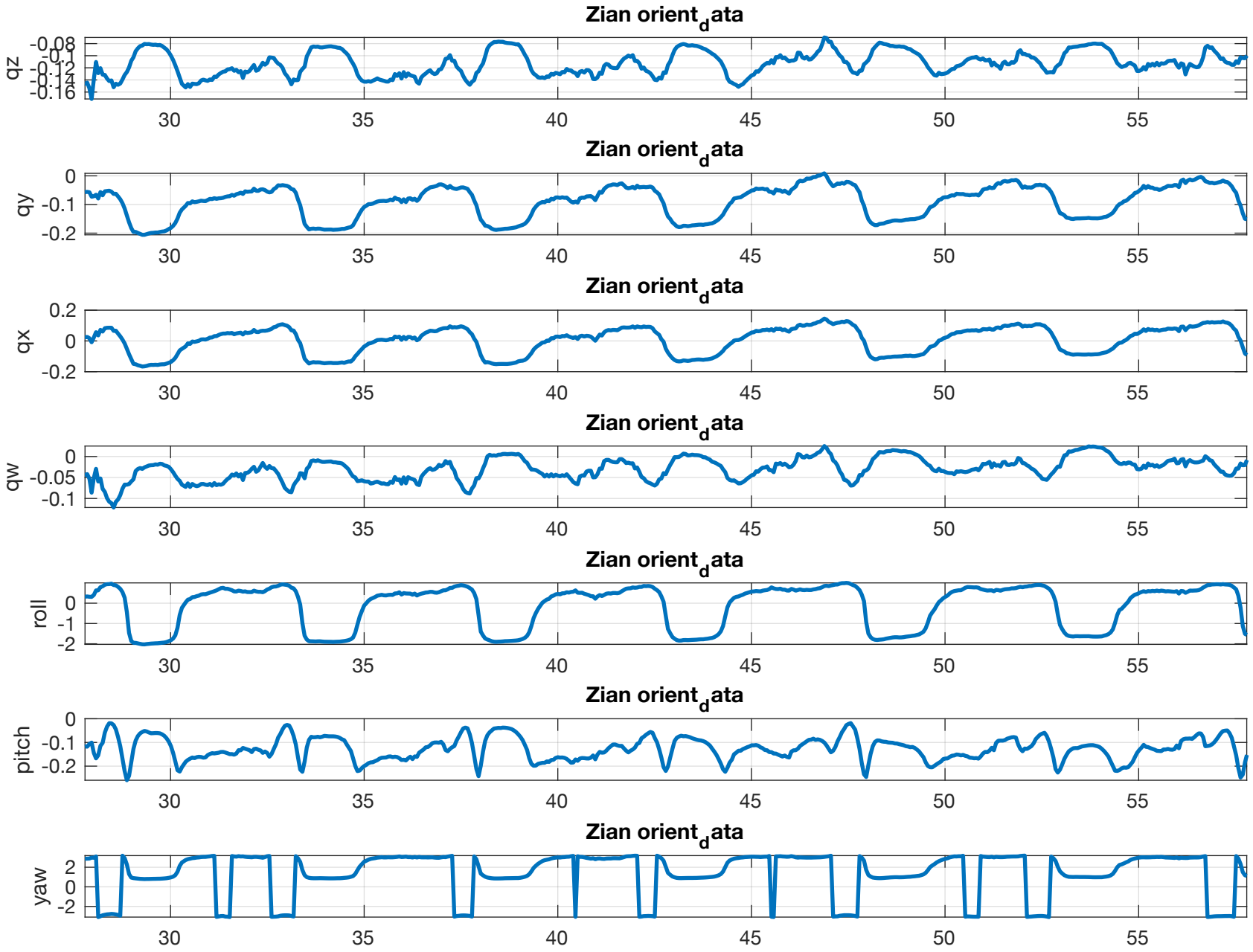

Zian Zero Cross gyro_data
Z
2
1
0
-1
30
35
40
45
50
55
Zian Zero Cross gyro_data
Y
2
0
-2
-4
30
35
40
45
50
55
Zian Zero Cross gyro_data
X
0.6
0.4
0.2
0
-0.2
-0.4
30
35
40
45
50
55

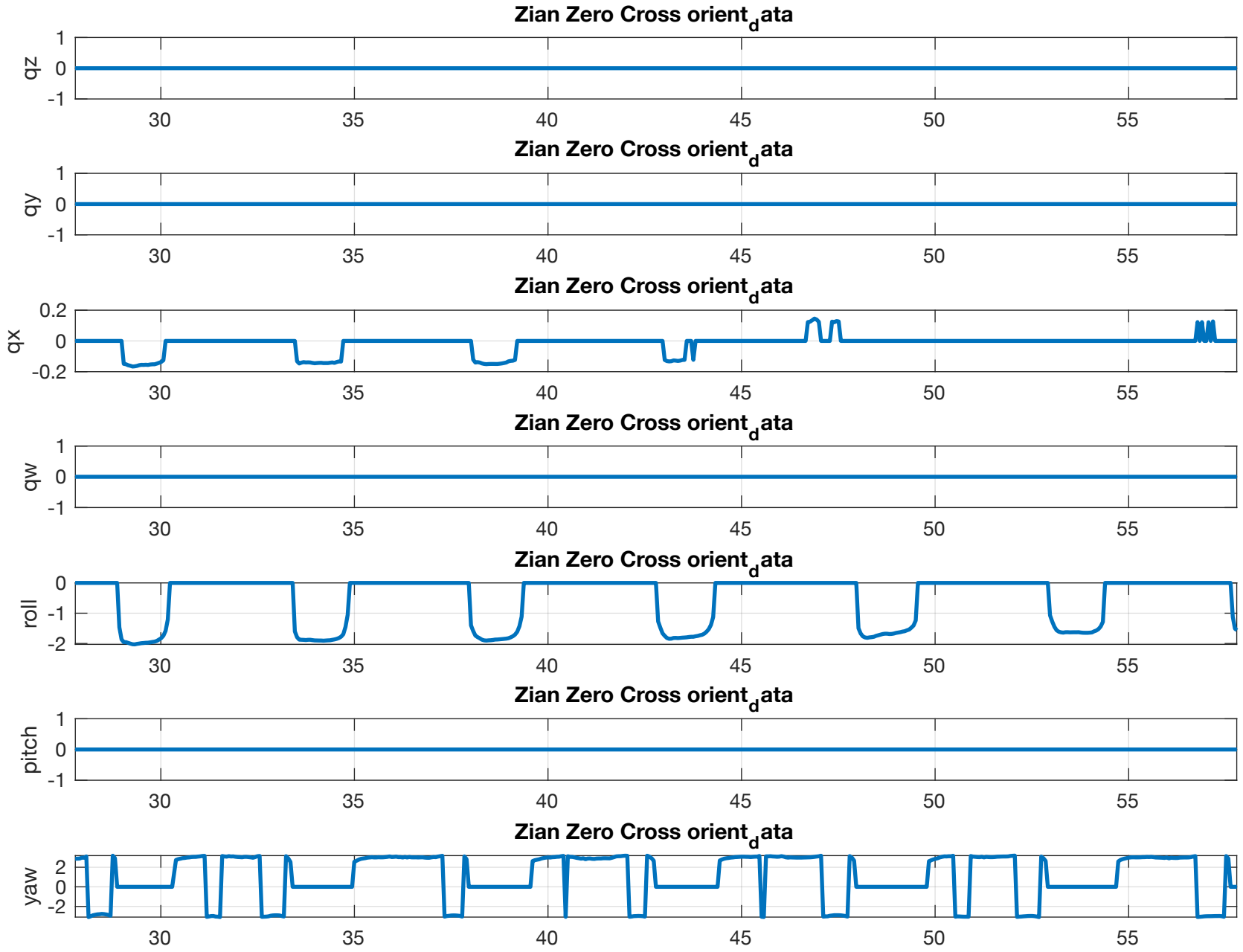
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-465.000	-290.000	-111.000	-39.500	"gyro_data"
'Y'	-621.000	-521.000	-173.000	-124.000	"gyro_data"
'X'	-535.000	-376.000	-132.000	-40.250	"gyro_data"


Zian grav_data
Z
0
-0.5
-1
-1.5
30
35
40
45
50
55
Zian grav_data
Y
0.8
0.7
0.6
0.5
0.4
0.3
30
35
40
45
50
55
Zian grav_data
X
4
2
0
-2
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
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian Zero Cross grav_data
X
4
2
0
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-286.000	-24.000	2.000	14.250	"grav_data"
'Y'	-242.000	-214.000	-46.000	13.250	"grav_data"
'X'	-236.000	-62.000	-14.000	-2.000	"grav_data"


Zian orientdata
qz
-0.08
-0.1
-0.12
-0.14
-0.16
30
35
40
45
50
55
Zian orientdata
qy
0
-0.1
-0.2
30
35
40
45
50
55
Zian orientdata
qx
0.2
0
-0.2
30
35
40
45
50
55
Zian orientdata
qw
0
-0.05
-0.1
30
35
40
45
50
55
Zian orientdata
roll
0
-1
-2
30
35
40
45
50
55
Zian orientdata
pitch
0
-0.1
-0.2
30
35
40
45
50
55
Zian orientdata
yaw
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
1
0
-1
30
35
40
45
50
55
Zian Zero Cross orientdata
qx
0.2
0
-0.2
30
35
40
45
50
55
Zian Zero Cross orientdata
qw
1
0
-1
30
35
40
45
50
55
Zian Zero Cross orientdata
roll
0
-1
-2
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
2
0
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-337.000	-16.000	7.000	13.750	"orient_data"
'qy'	-309.000	-50.000	-2.000	13.250	"orient_data"
'qx'	-316.000	-230.000	-41.000	0.750	"orient_data"
'qw'	-345.000	-50.000	-6.000	11.500	"orient_data"
'roll'	-246.000	-182.000	-36.000	-1.000	"orient_data"
'pitch'	-239.000	-47.000	-3.000	13.750	"orient_data"
'yaw'	-232.000	-129.000	-49.000	-25.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	91.500
'bar_data'	"Relative Altitude"	'zero_cross'	7.750
'gyro_data'	"Z"	'zero_cross'	39.500
'grav_data'	"Z"	'double_findpeaks'	2.000
'orient_data'	"qx"	'zero_cross'	0.750