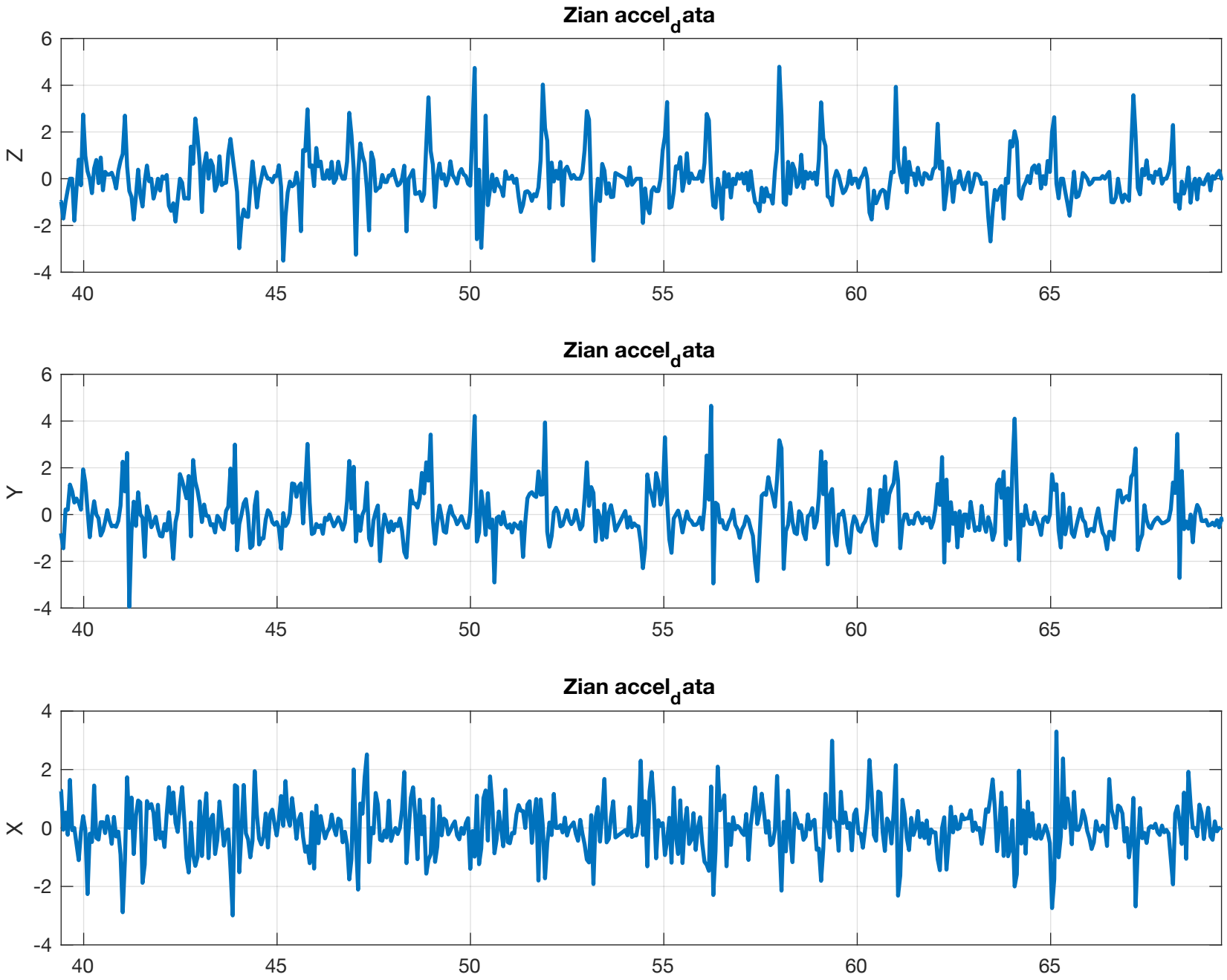
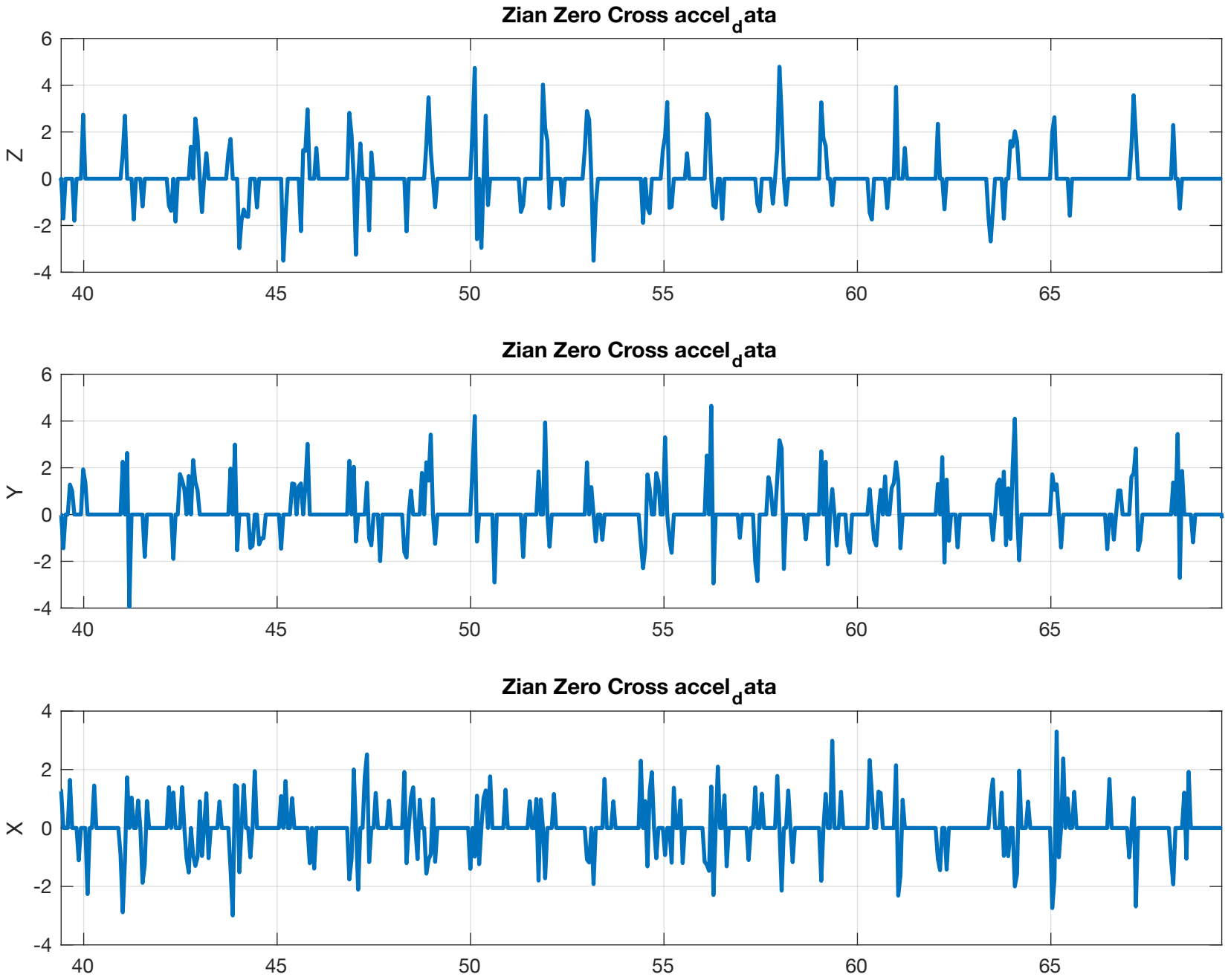
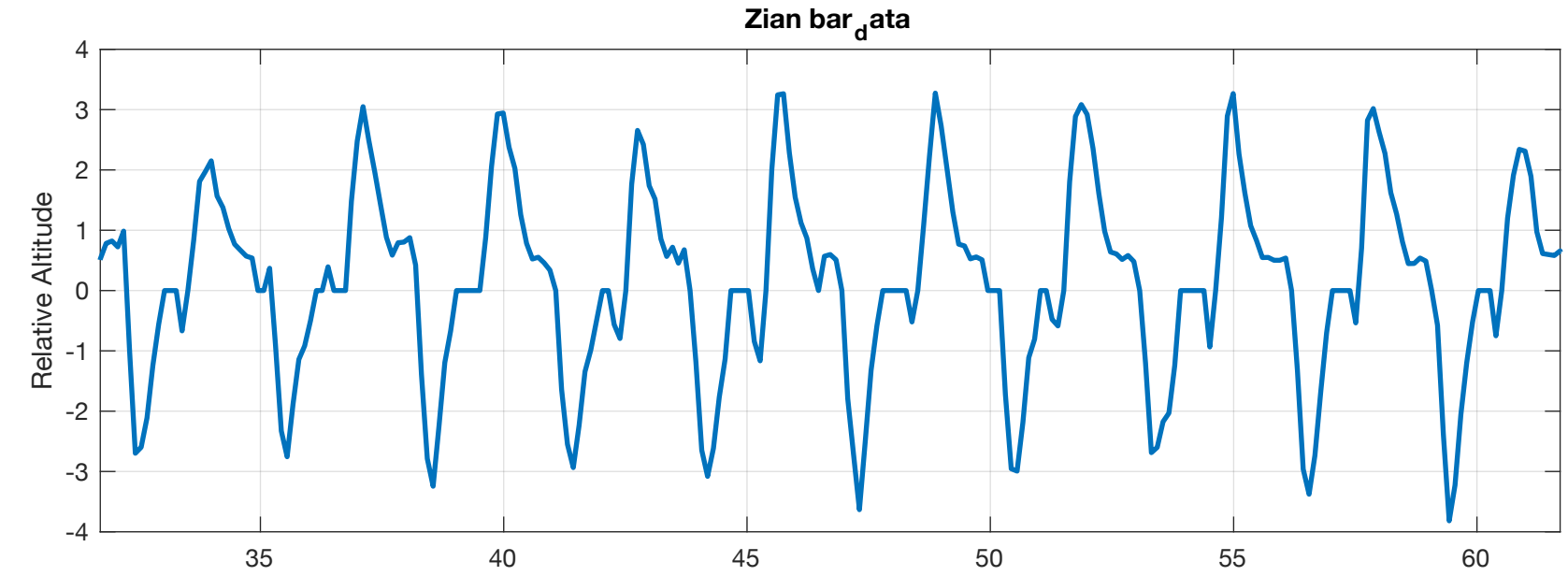
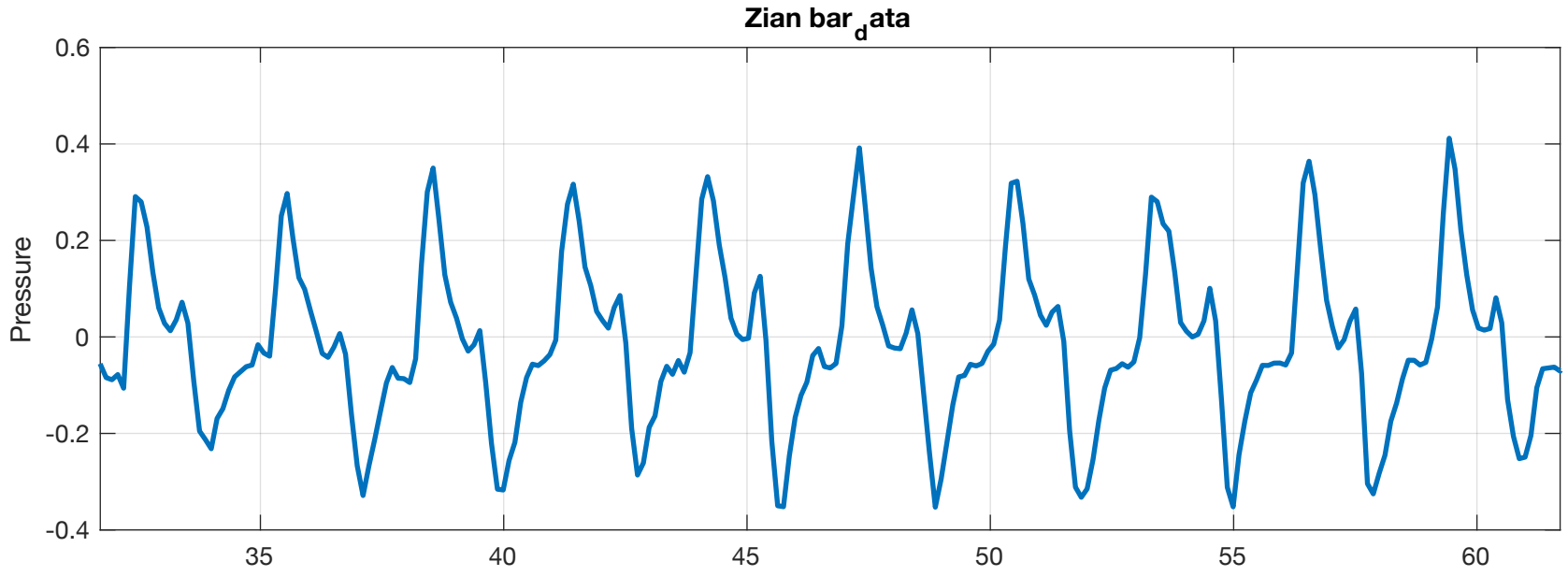
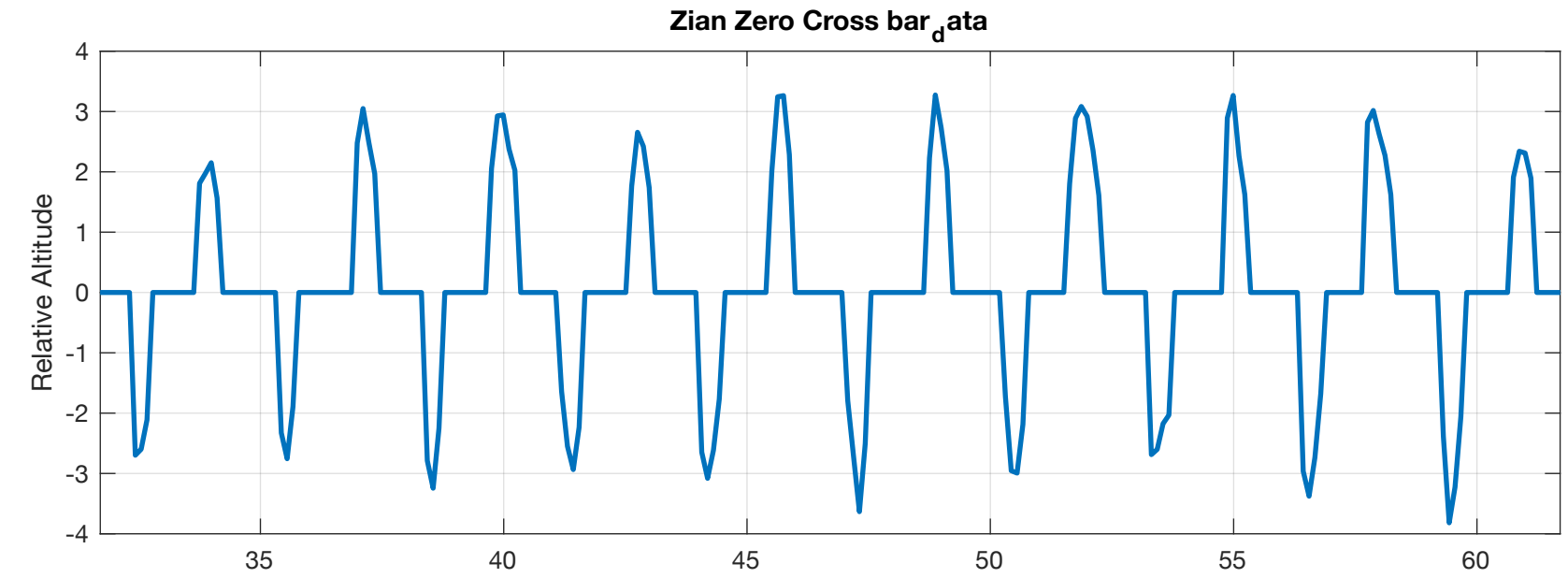

Zian accel_data
Z
6
4
2
0
-2
-4
40
45
50
55
60
65
Zian accel_data
Y
6
4
2
0
-2
-4
40
45
50
55
60
65
Zian accel_data
X
4
2
0
-2
-4
40
45
50
55
60
65

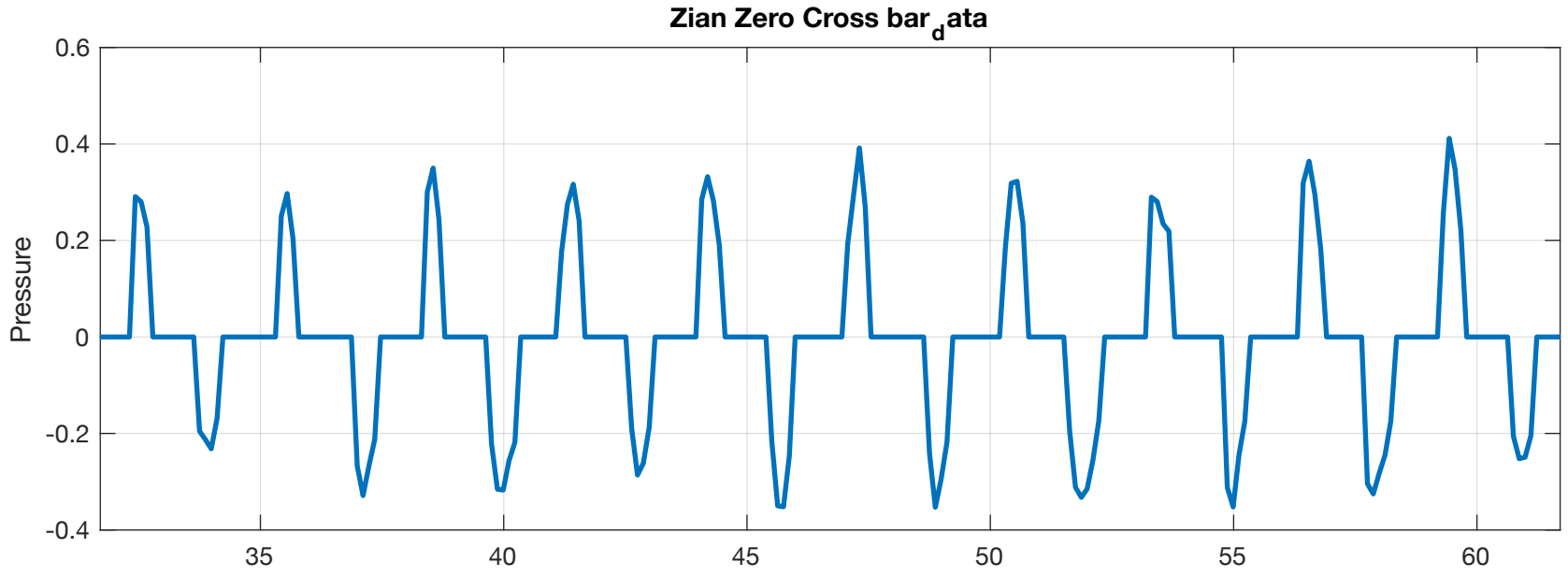

Zian Zero Cross accel_data
Z
6
4
2
0
-2
-4
40
45
50
55
60
65
Zian Zero Cross accel_data
Y
6
4
2
0
-2
-4
40
45
50
55
60
65
Zian Zero Cross accel_data
X
4
2
0
-2
-4
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-400.000	-299.000	-126.000	-88.000	"accel_data"
'Y'	-401.000	-264.000	-104.000	-117.000	"accel_data"
'X'	-435.000	-376.000	-132.000	-154.500	"accel_data"

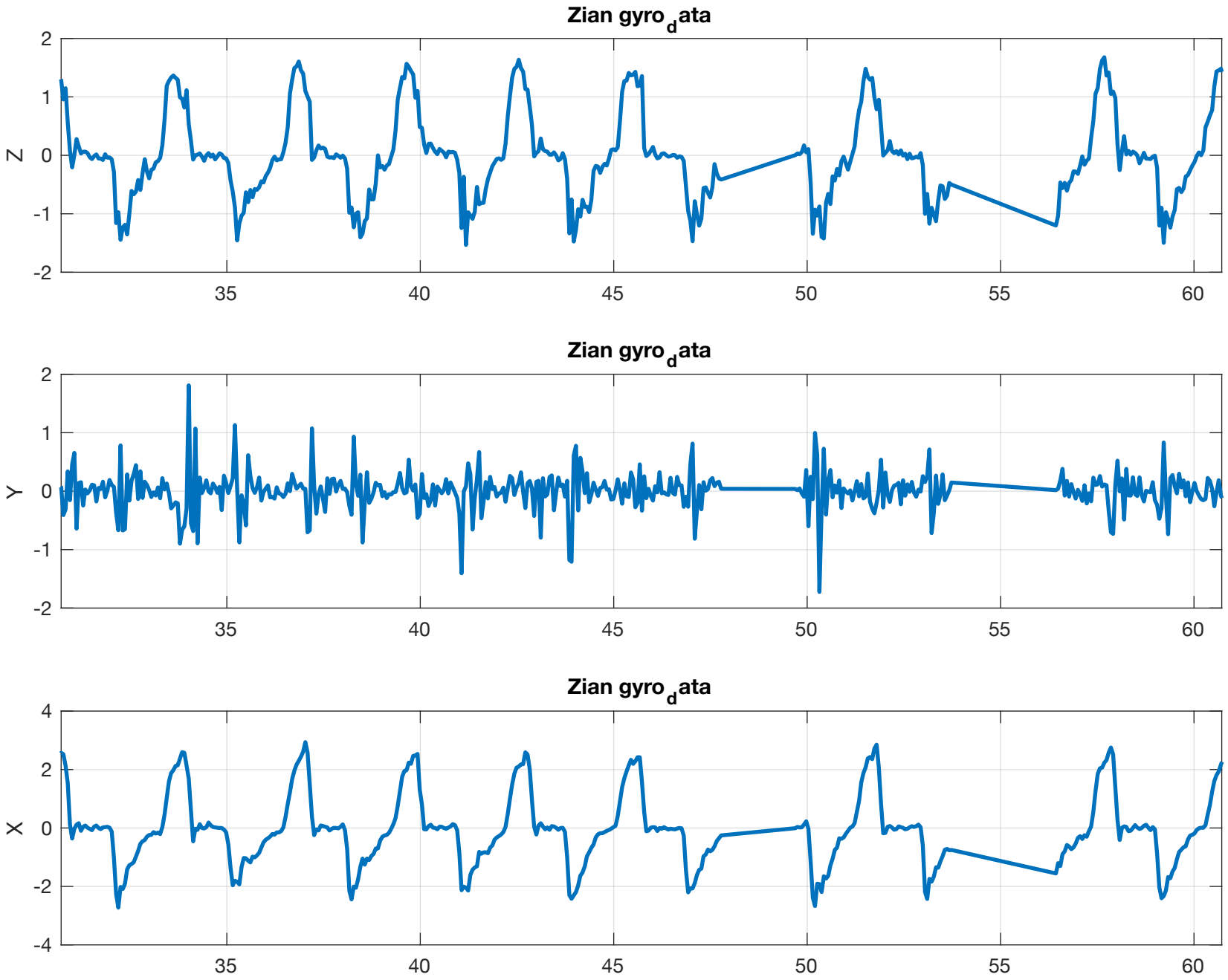

Zian bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
35
40
45
50
55
60

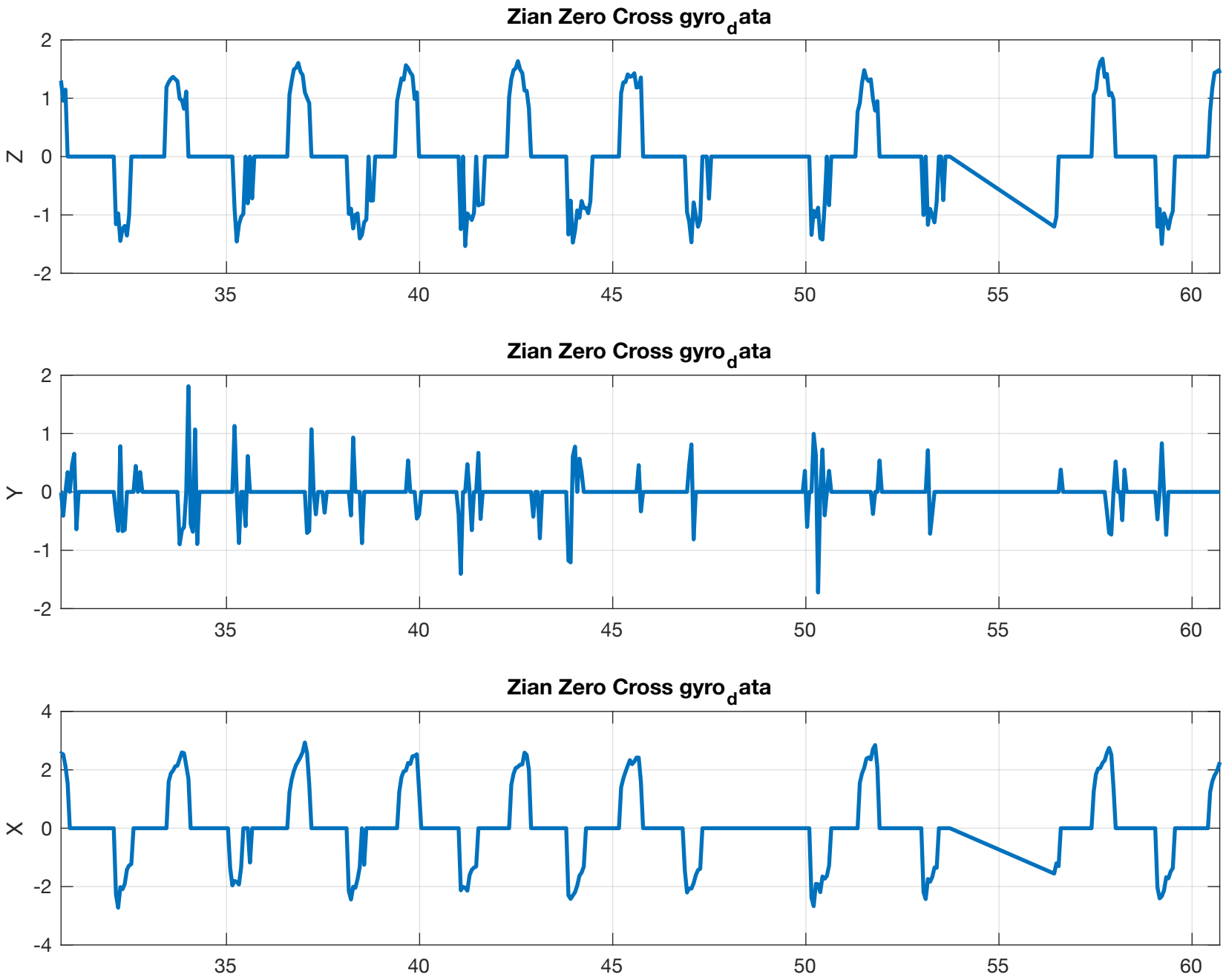

Zian bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
35
40
45
50
55
60


Zian Zero Cross bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
35
40
45
50
55
60

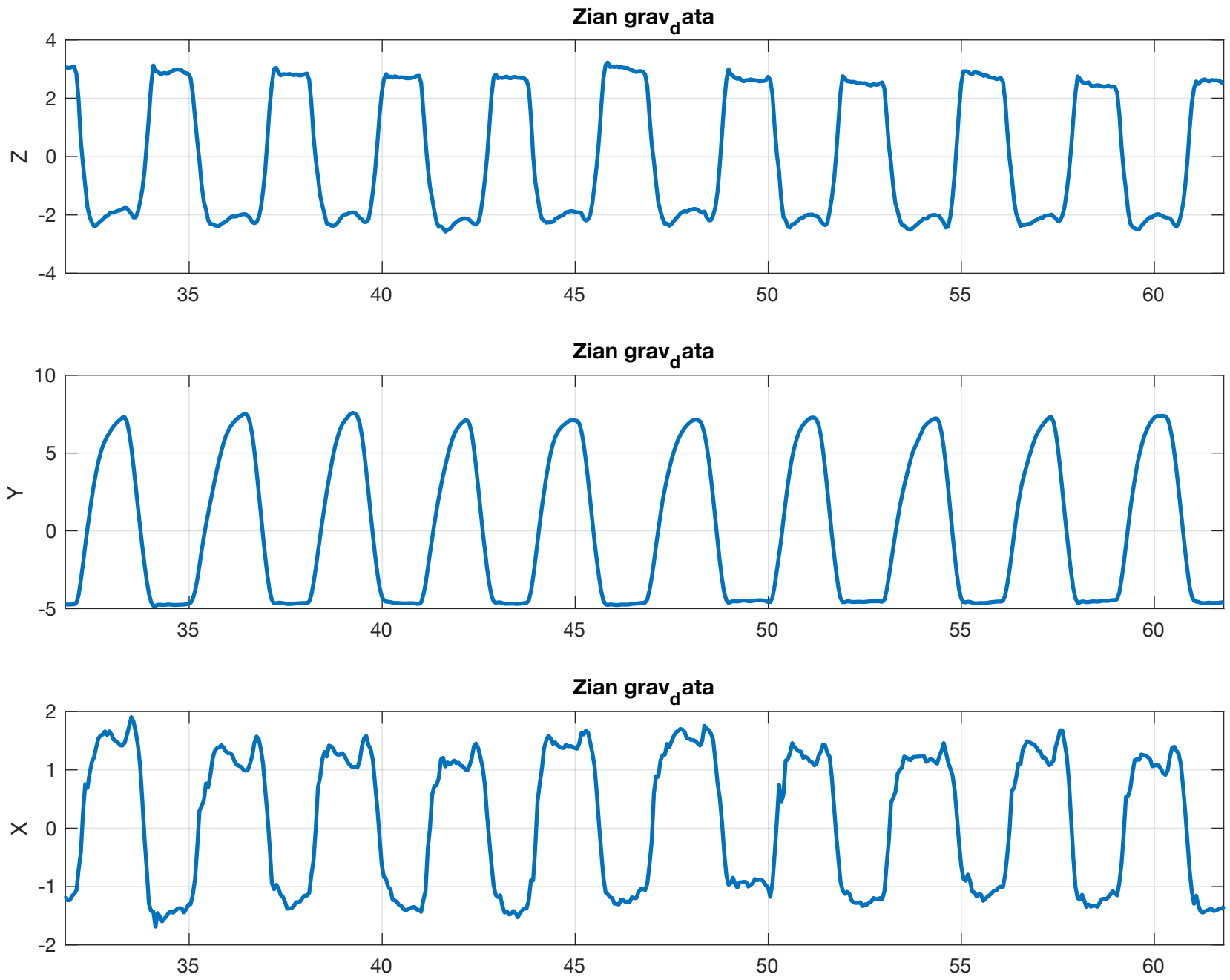

Zian Zero Cross bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
35
40
45
50
55
60

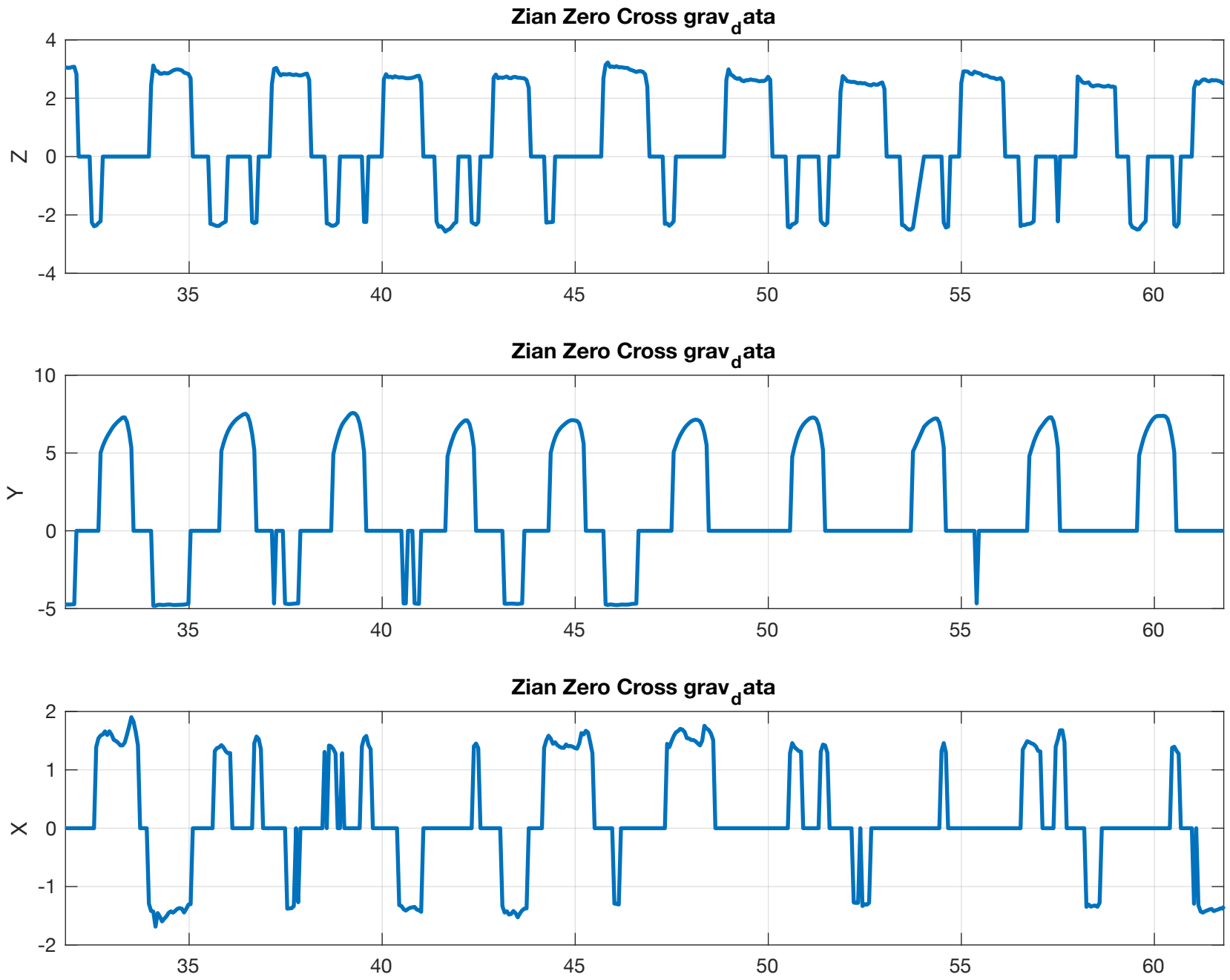
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-46.000	-34.000	-15.000	-15.000	"bar_data"
"Pressure"	-54.000	-31.000	-15.000	-15.000	"bar_data"


Zian gyro_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Zian gyro_data
Y
2
1
0
-1
-2
35
40
45
50
55
60
Zian gyro_data
X
4
2
0
-2
-4
35
40
45
50
55
60

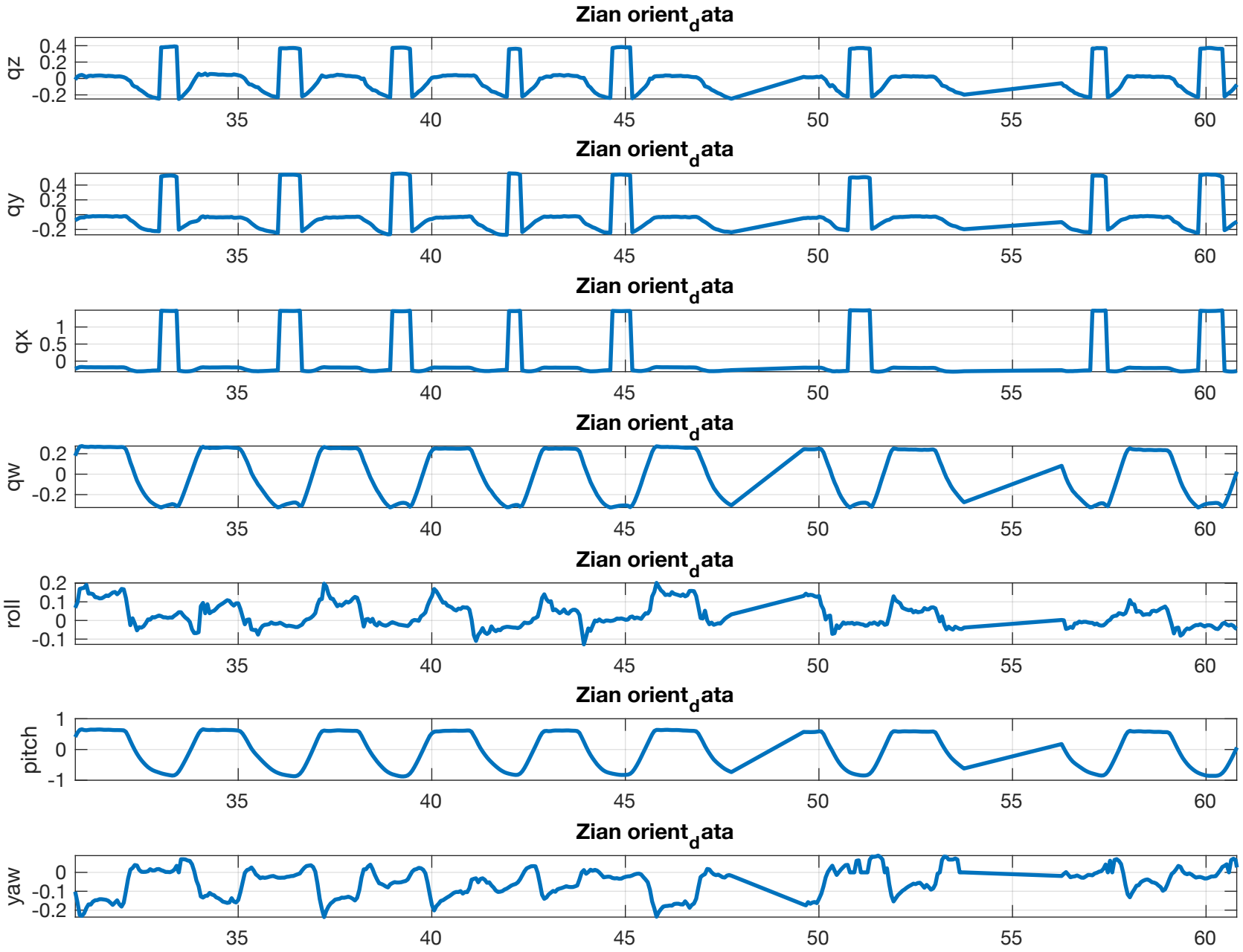

Zian Zero Cross gyro_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
35
40
45
50
55
60
Zian Zero Cross gyro_data
X
4
2
0
-2
-4
35
40
45
50
55
60

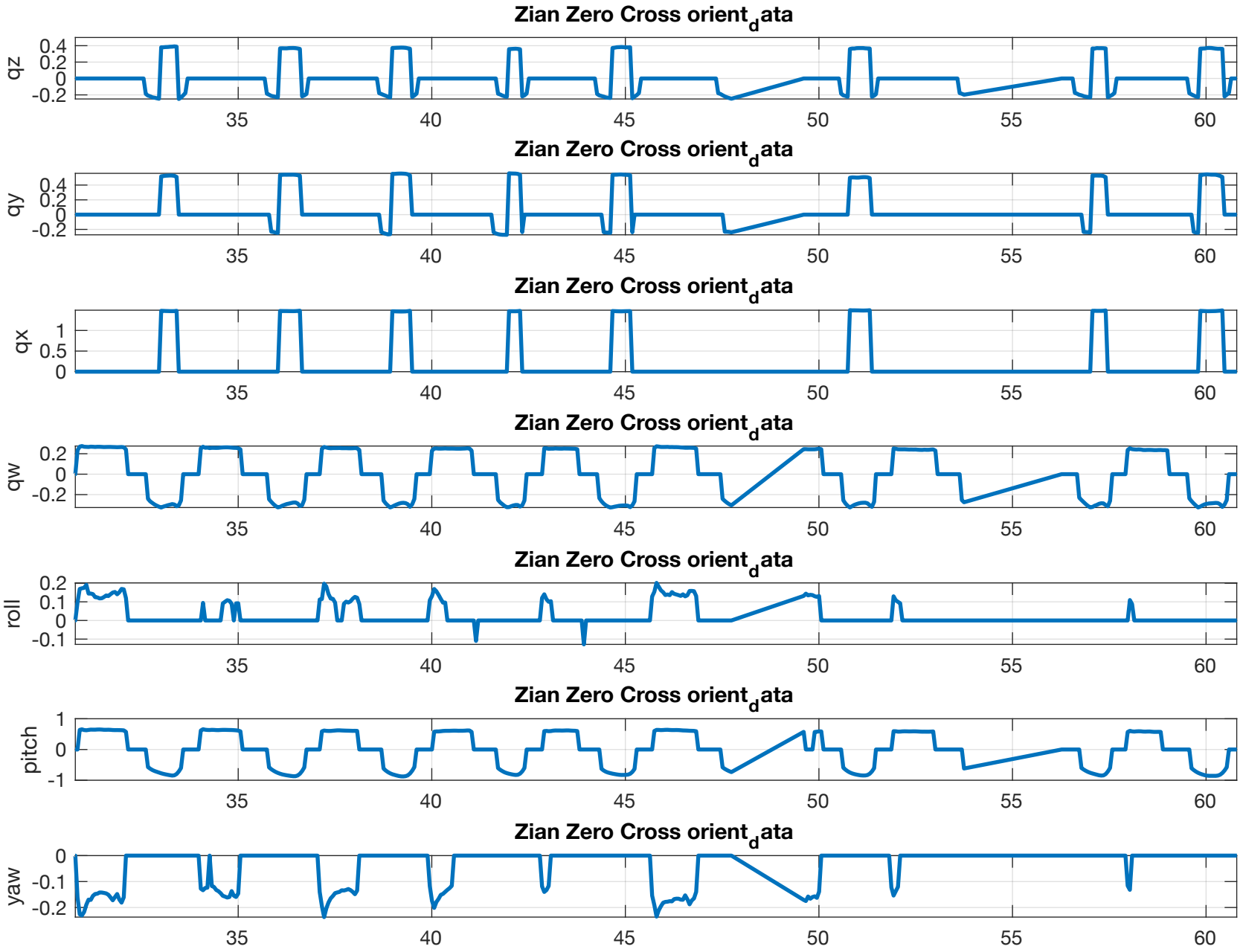
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-183.000	-96.000	-28.000	-21.000	"gyro_data"
'Y'	-242.000	-223.000	-72.000	-52.500	"gyro_data"
'X'	-131.000	-79.000	-28.000	-15.000	"gyro_data"


Zian grav_data
Z
4
2
0
-2
-4
35
40
45
50
55
60
Zian grav_data
Y
10
5
0
-5
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
4
2
0
-2
-4
35
40
45
50
55
60
Zian Zero Cross grav_data
Y
10
5
0
-5
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'	-104.000	-72.000	-28.000	-20.750	"grav_data"
'Y'	-60.000	-16.000	-15.000	-13.500	"grav_data"
'X'	-124.000	-65.000	-28.000	-19.250	"grav_data"


Zian orientdata
qz
0.4
0.2
0
-0.2
35
40
45
50
55
60
Zian orientdata
qy
0.4
0.2
0
-0.2
35
40
45
50
55
60
Zian orientdata
qx
1
0.5
0
35
40
45
50
55
60
Zian orientdata
qw
0.2
0
-0.2
35
40
45
50
55
60
Zian orientdata
roll
0.2
0.1
0
-0.1
35
40
45
50
55
60
Zian orientdata
pitch
1
0
-1
35
40
45
50
55
60
Zian orientdata
yaw
0
-0.1
-0.2
35
40
45
50
55
60


Zian Zero Cross orientdata
qz
0.4
0.2
0
-0.2
35
40
45
50
55
60
Zian Zero Cross orientdata
qy
0.4
0.2
0
-0.2
35
40
45
50
55
60
Zian Zero Cross orientdata
qx
1
0.5
0
35
40
45
50
55
60
Zian Zero Cross orientdata
qw
0.2
0
-0.2
35
40
45
50
55
60
Zian Zero Cross orientdata
roll
0.2
0.1
0
-0.1
35
40
45
50
55
60
Zian Zero Cross orientdata
pitch
1
0
-1
35
40
45
50
55
60
Zian Zero Cross orientdata
yaw
0
-0.1
-0.2
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-107.000	-100.000	-31.000	-20.500	"orient_data"
'qy'	-109.000	-31.000	-17.000	-13.000	"orient_data"
'qx'	-96.000	-29.000	-16.000	-6.500	"orient_data"
'qw'	-78.000	-65.000	-22.000	-14.750	"orient_data"
'roll'	-173.000	-98.000	-35.000	-12.000	"orient_data"
'pitch'	-55.000	-54.000	-16.000	-15.250	"orient_data"
'yaw'	-110.000	-58.000	-24.000	-7.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	88.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	15.000
'gyro_data'	"X"	'zero_cross'	15.000
'grav_data'	"Y"	'zero_cross'	13.500
'orient_data'	"qx"	'zero_cross'	6.500