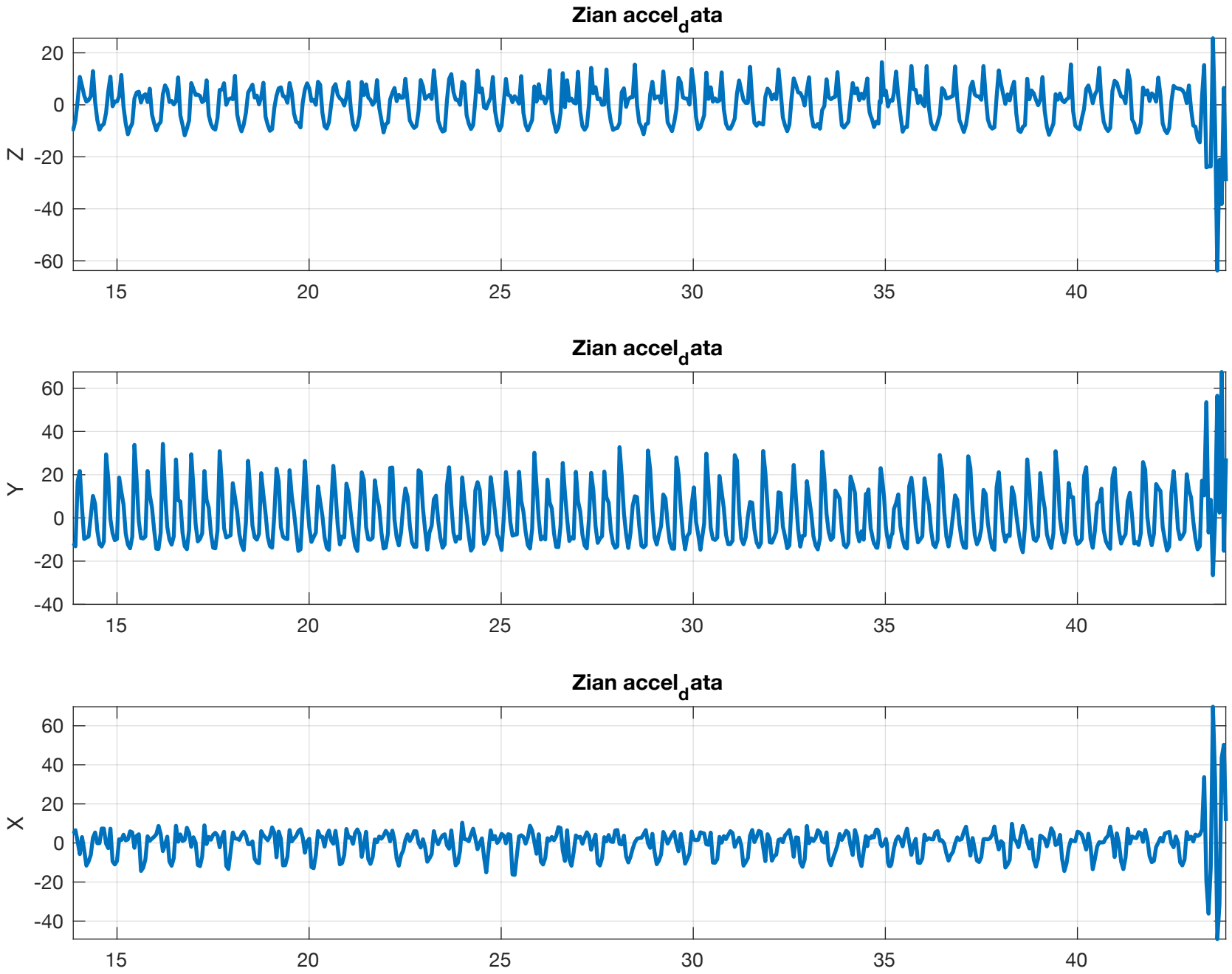
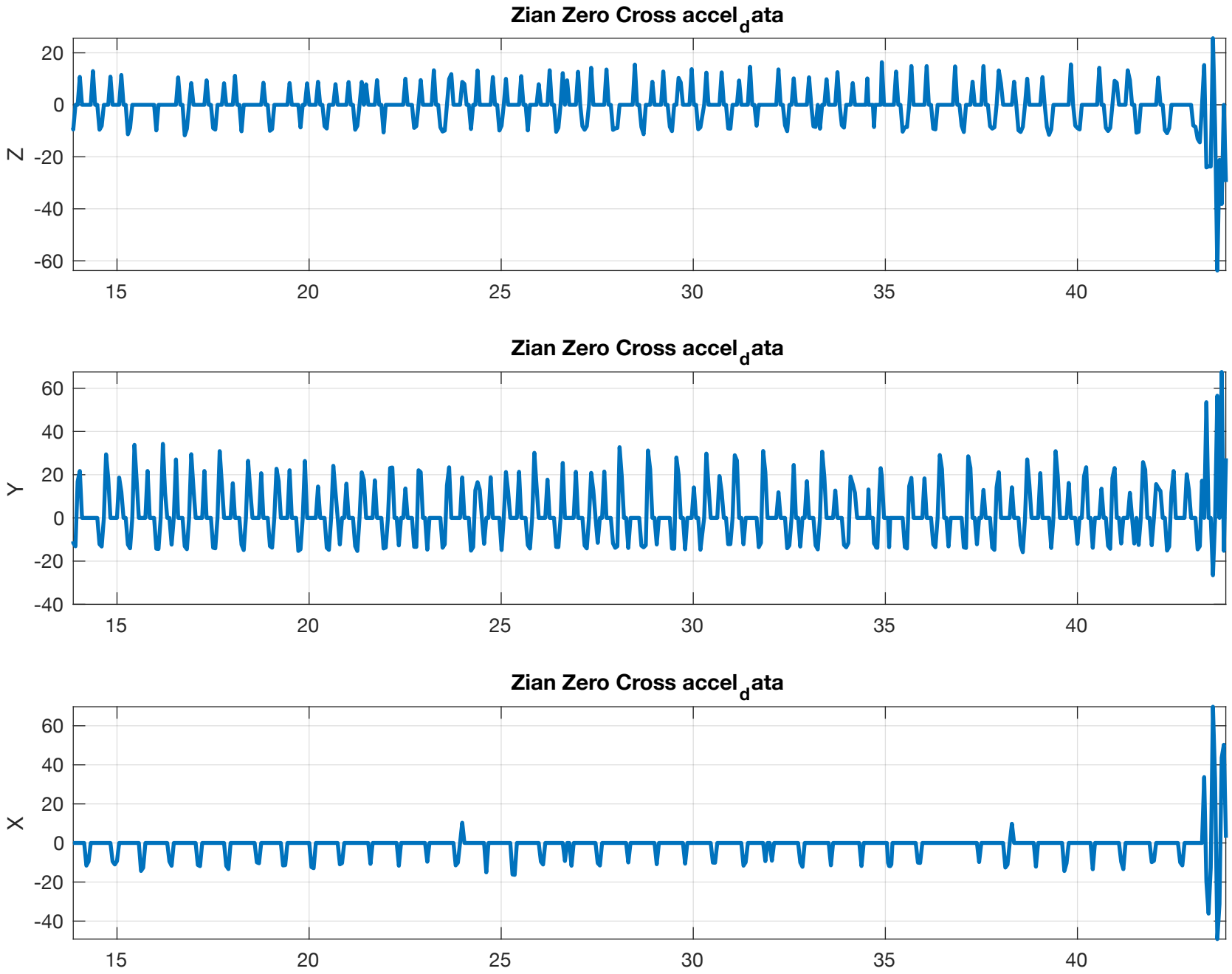
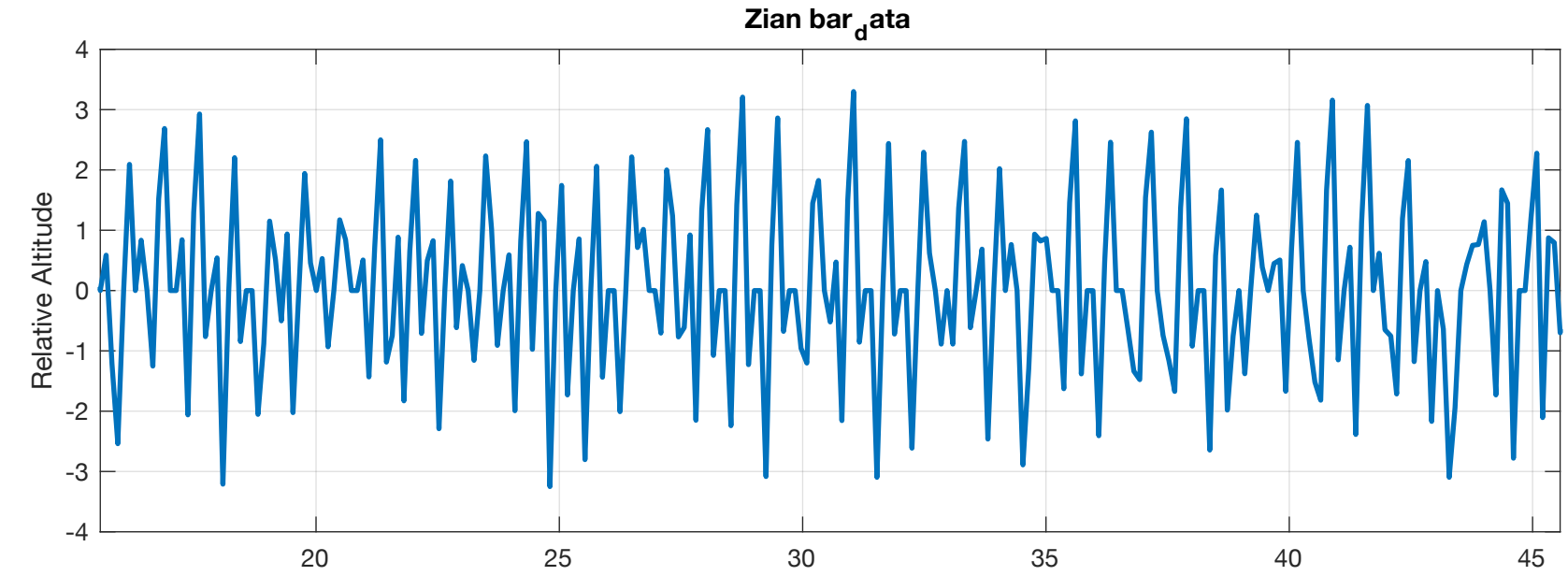
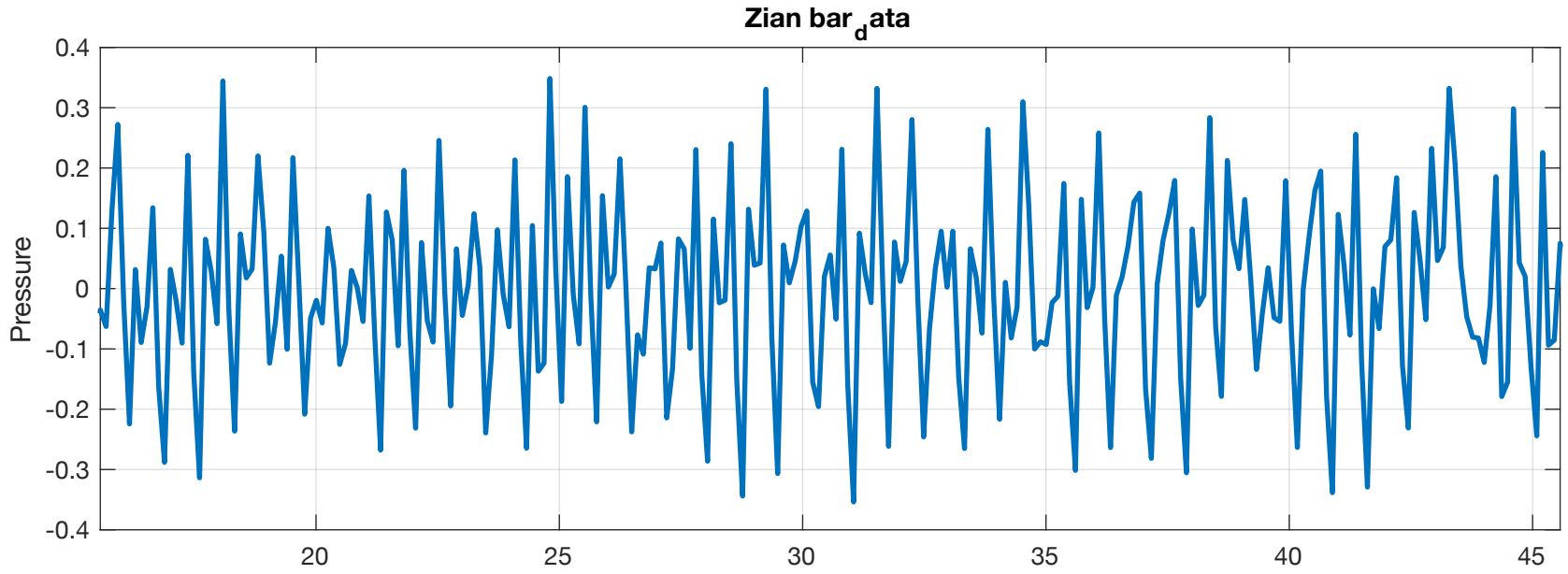
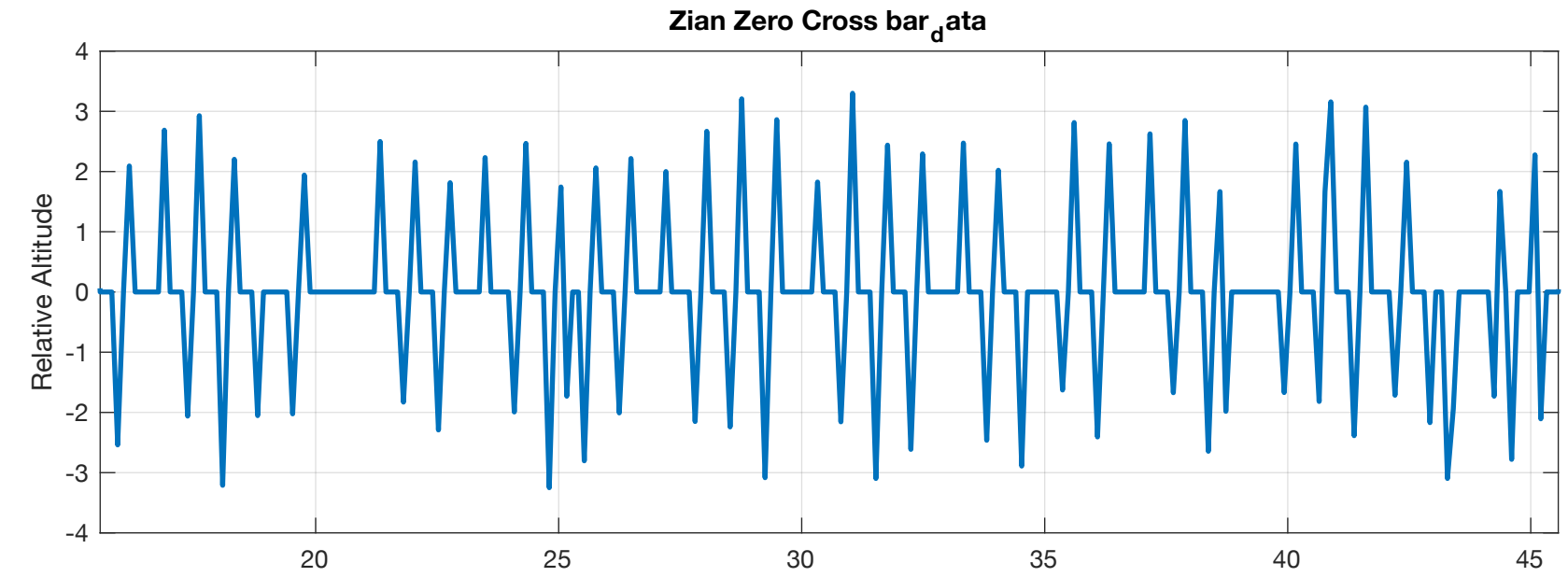

Zian accel_data
Z
20
0
-20
-40
-60
15
20
25
30
35
40
Zian accel_data
Y
60
40
20
0
-20
-40
15
20
25
30
35
40
Zian accel_data
X
60
40
20
0
-20
-40
15
20
25
30
35
40

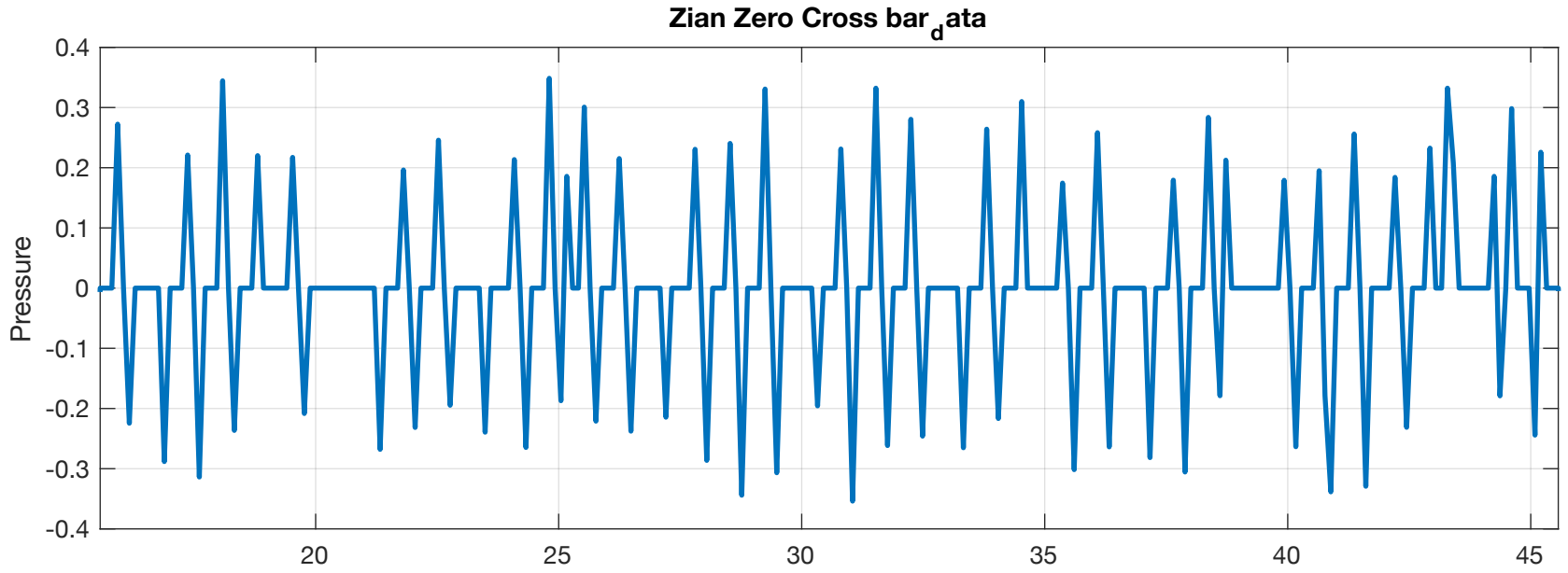

Zian Zero Cross accel_data
Z
20
0
-20
-40
-60
15
20
25
30
35
40
Zian Zero Cross accel_data
Y
60
40
20
0
-20
-40
15
20
25
30
35
40
Zian Zero Cross accel_data
X
60
40
20
0
-20
-40
15
20
25
30
35
40

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-126.000	-113.000	20.000	24.000	"accel_data"
'Y'	-107.000	-33.000	38.000	8.500	"accel_data"
'X'	-142.000	-118.000	19.000	64.000	"accel_data"

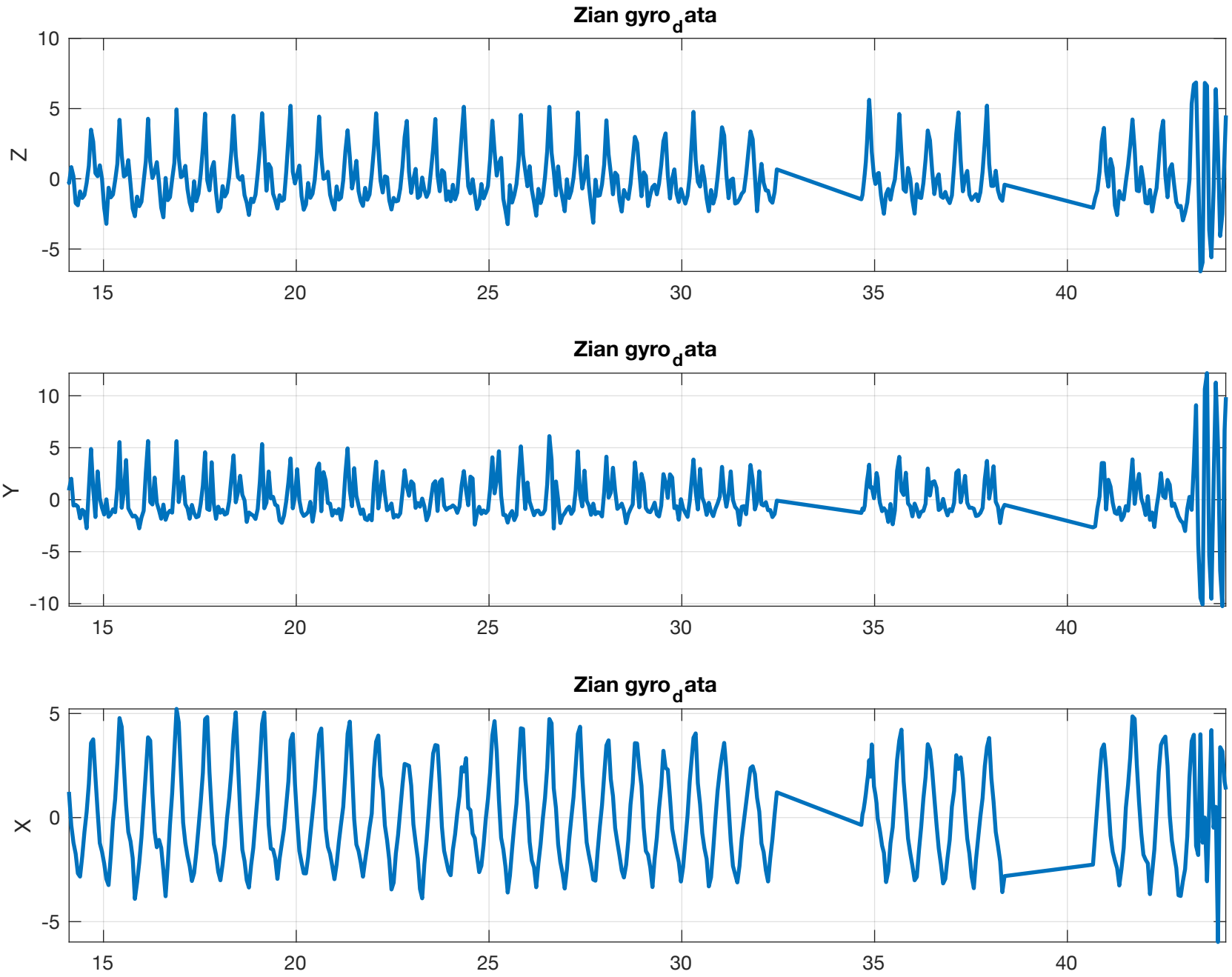

Zian bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
20
25
30
35
40
45

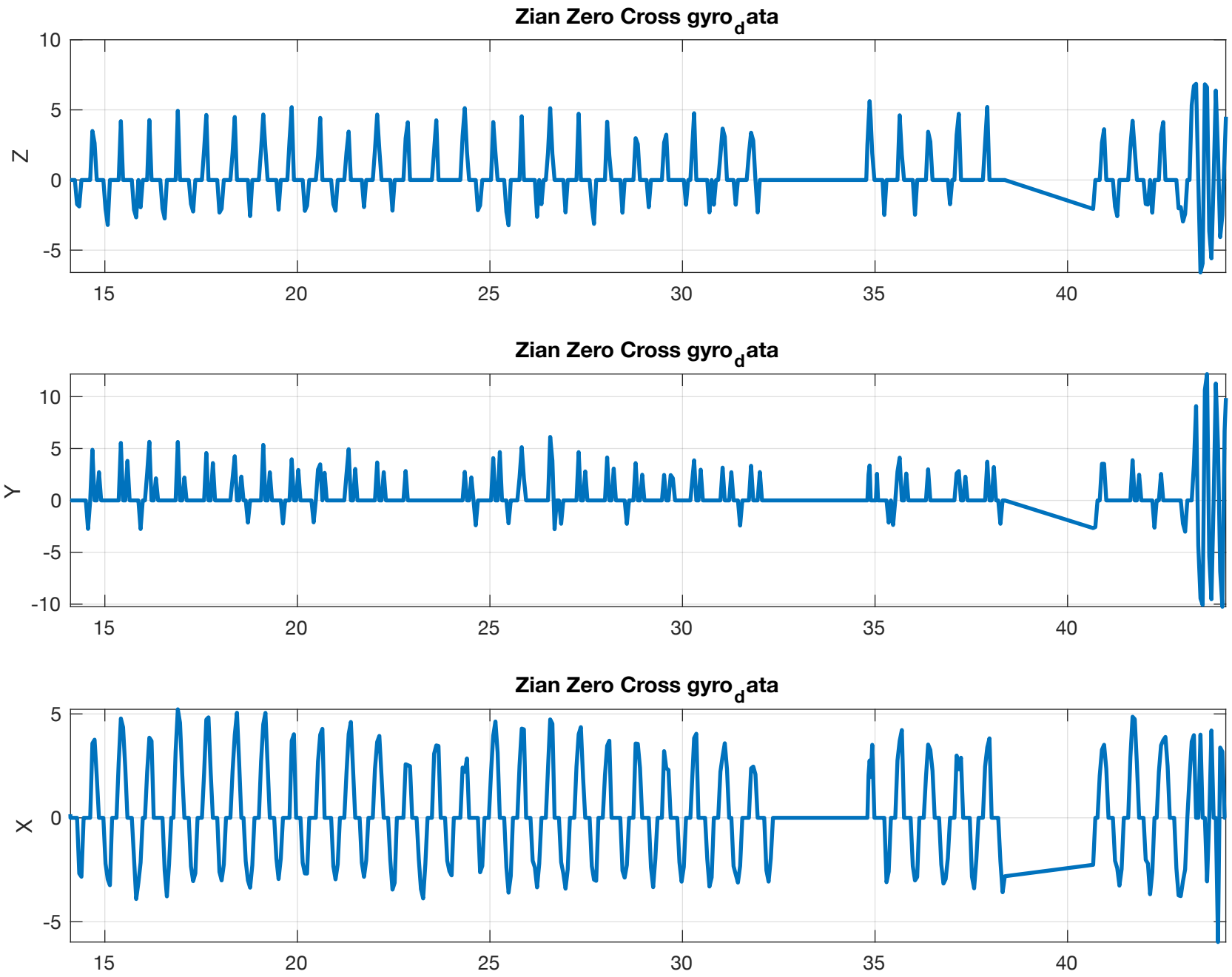

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
20
25
30
35
40
45


Zian Zero Cross bar_data
Relative Altitude
4
3
2
1
0
-1
-2
-3
-4
20
25
30
35
40
45

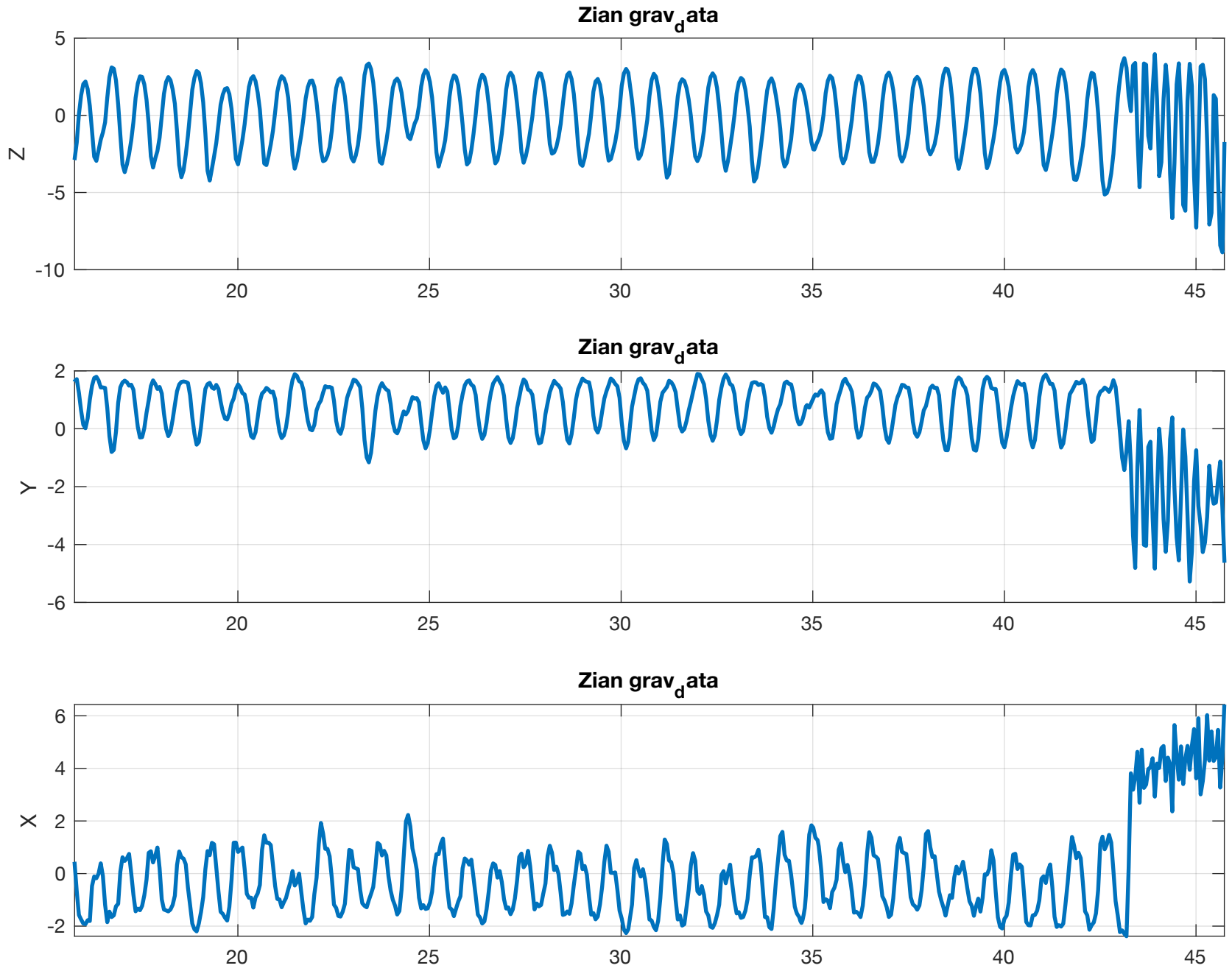

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
20
25
30
35
40
45

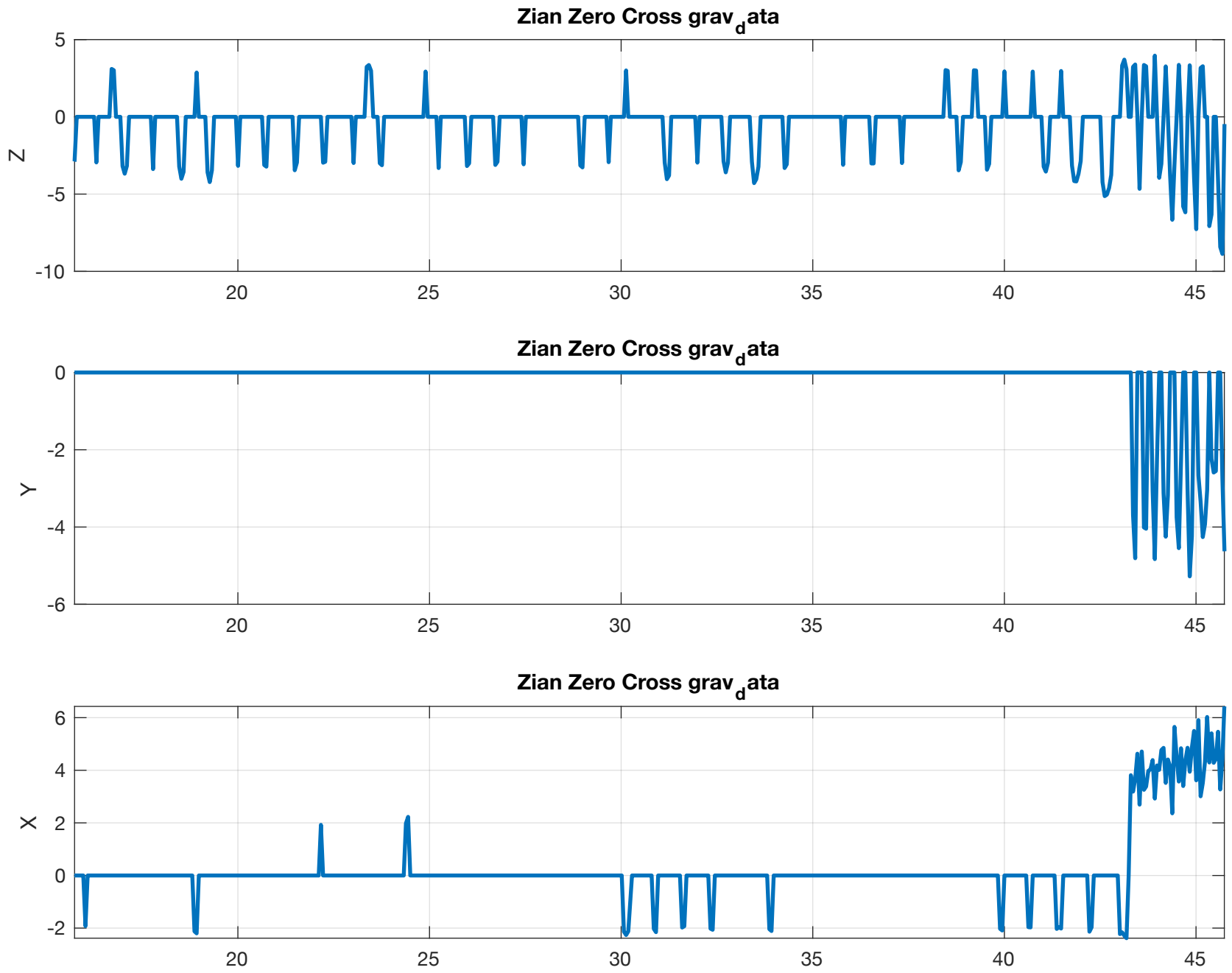
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-13.000	6.000	53.000	52.750	"bar_data"
"Pressure"	-22.000	-12.000	50.000	52.750	"bar_data"


Zian gyro_data
Z
10
5
0
-5
15
20
25
30
35
40
Zian gyro_data
Y
10
5
0
-5
-10
15
20
25
30
35
40
Zian gyro_data
X
5
0
-5
15
20
25
30
35
40

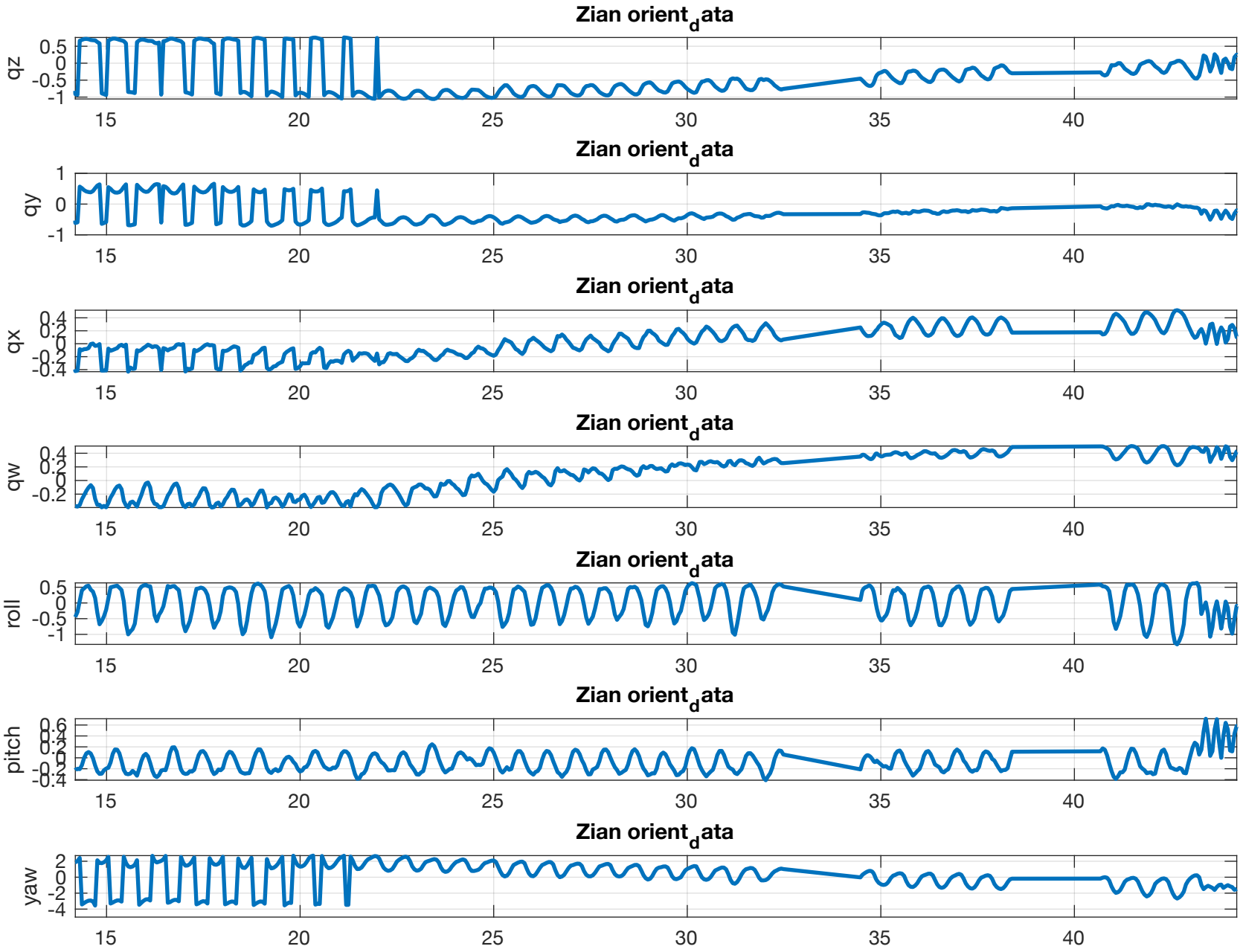

Zian Zero Cross gyro_data
Z
10
5
0
-5
15
20
25
30
35
40
Zian Zero Cross gyro_data
Y
10
5
0
-5
-10
15
20
25
30
35
40
Zian Zero Cross gyro_data
X
5
0
-5
15
20
25
30
35
40

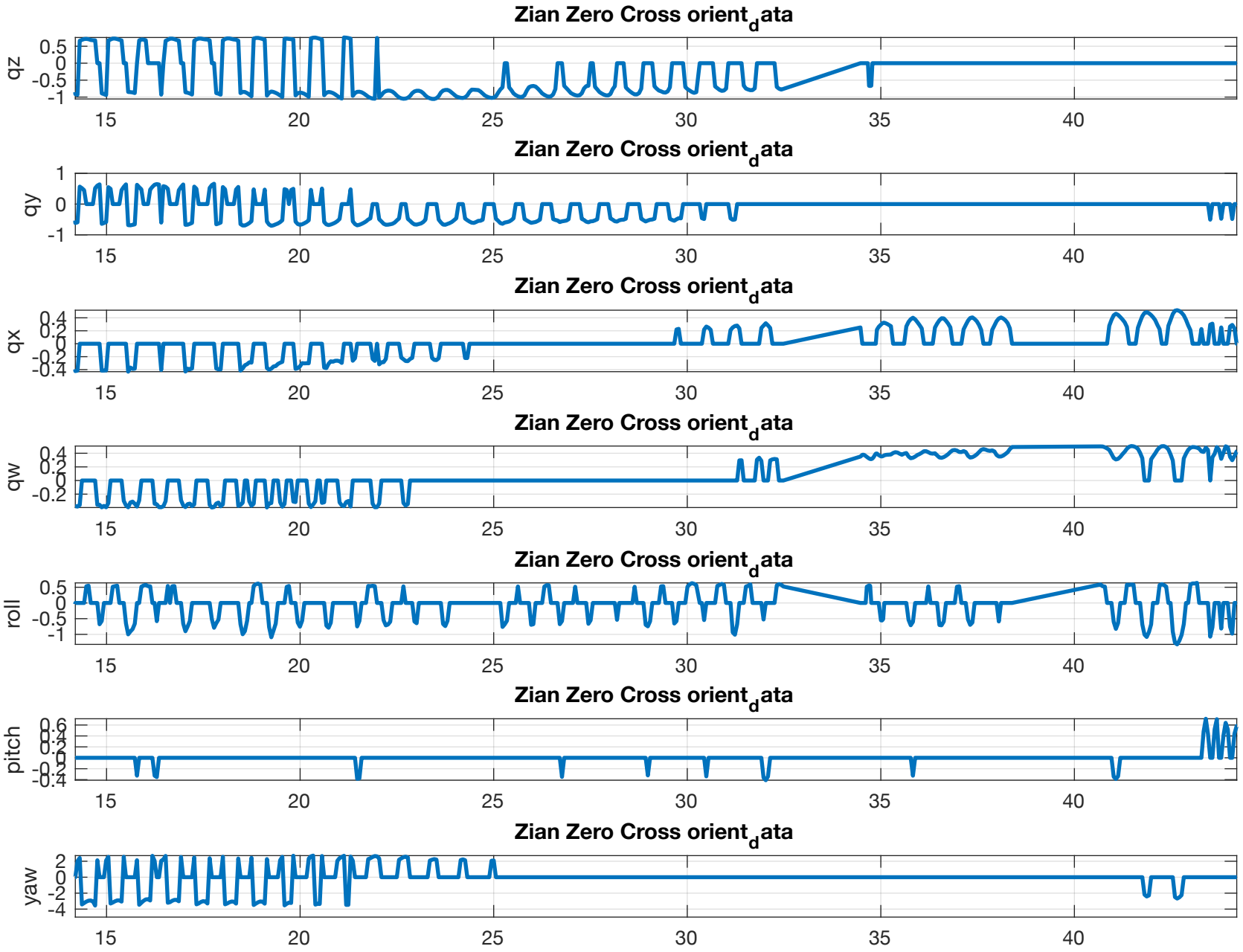
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-82.000	-34.000	40.000	49.500	"gyro_data"
'Y'	-113.000	-43.000	37.000	42.500	"gyro_data"
'X'	-11.000	6.000	65.000	51.500	"gyro_data"


Zian grav_data
Z
5
0
-5
-10
20
25
30
35
40
45
Zian grav_data
Y
2
0
-2
-4
-6
20
25
30
35
40
45
Zian grav_data
X
6
4
2
0
-2
20
25
30
35
40
45


Zian Zero Cross grav_data
Z
5
0
-5
-10
20
25
30
35
40
45
Zian Zero Cross grav_data
Y
0
-2
-4
-6
20
25
30
35
40
45
Zian Zero Cross grav_data
X
6
4
2
0
-2
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	6.000	21.000	73.000	64.750	"grav_data"
'Y'	-19.000	8.000	66.000	95.250	"grav_data"
'X'	-60.000	-10.000	56.000	87.750	"grav_data"


Zian orientdata
qz
0.5
0
-0.5
-1
15
20
25
30
35
40
Zian orientdata
qy
1
0
-1
15
20
25
30
35
40
Zian orientdata
qx
0.4
0.2
0
-0.2
-0.4
15
20
25
30
35
40
Zian orientdata
qw
0.4
0.2
0
-0.2
15
20
25
30
35
40
Zian orientdata
roll
0.5
0
-0.5
-1
15
20
25
30
35
40
Zian orientdata
pitch
0.6
0.4
0.2
0
-0.2
-0.4
15
20
25
30
35
40
Zian orientdata
yaw
2
0
-2
-4
15
20
25
30
35
40


Zian Zero Cross orientdata
qz
0.5
0
-0.5
-1
15
20
25
30
35
40
Zian Zero Cross orientdata
qy
1
0
-1
15
20
25
30
35
40
Zian Zero Cross orientdata
qx
0.4
0.2
0
-0.2
-0.4
15
20
25
30
35
40
Zian Zero Cross orientdata
qw
0.4
0.2
0
-0.2
15
20
25
30
35
40
Zian Zero Cross orientdata
roll
0.5
0
-0.5
-1
15
20
25
30
35
40
Zian Zero Cross orientdata
pitch
0.6
0.4
0.2
0
-0.2
-0.4
15
20
25
30
35
40
Zian Zero Cross orientdata
yaw
2
0
-2
-4
15
20
25
30
35
40

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	3.000	33.000	78.000	73.000	"orient_data"
'qy'	-15.000	32.000	78.000	63.000	"orient_data"
'qx'	-27.000	48.000	78.000	79.000	"orient_data"
'qw'	-7.000	39.000	84.000	79.250	"orient_data"
'roll'	15.000	27.000	81.000	60.750	"orient_data"
'pitch'	-7.000	26.000	69.000	88.750	"orient_data"
'yaw'	-20.000	24.000	72.000	61.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	8.500
'bar_data'	"Relative Altitude"	'findpeaks_above_zero'	6.000
'gyro_data'	"X"	'findpeaks_above_zero'	6.000
'grav_data'	"Z"	'findpeaks'	6.000
'orient_data'	"qz"	'findpeaks'	3.000