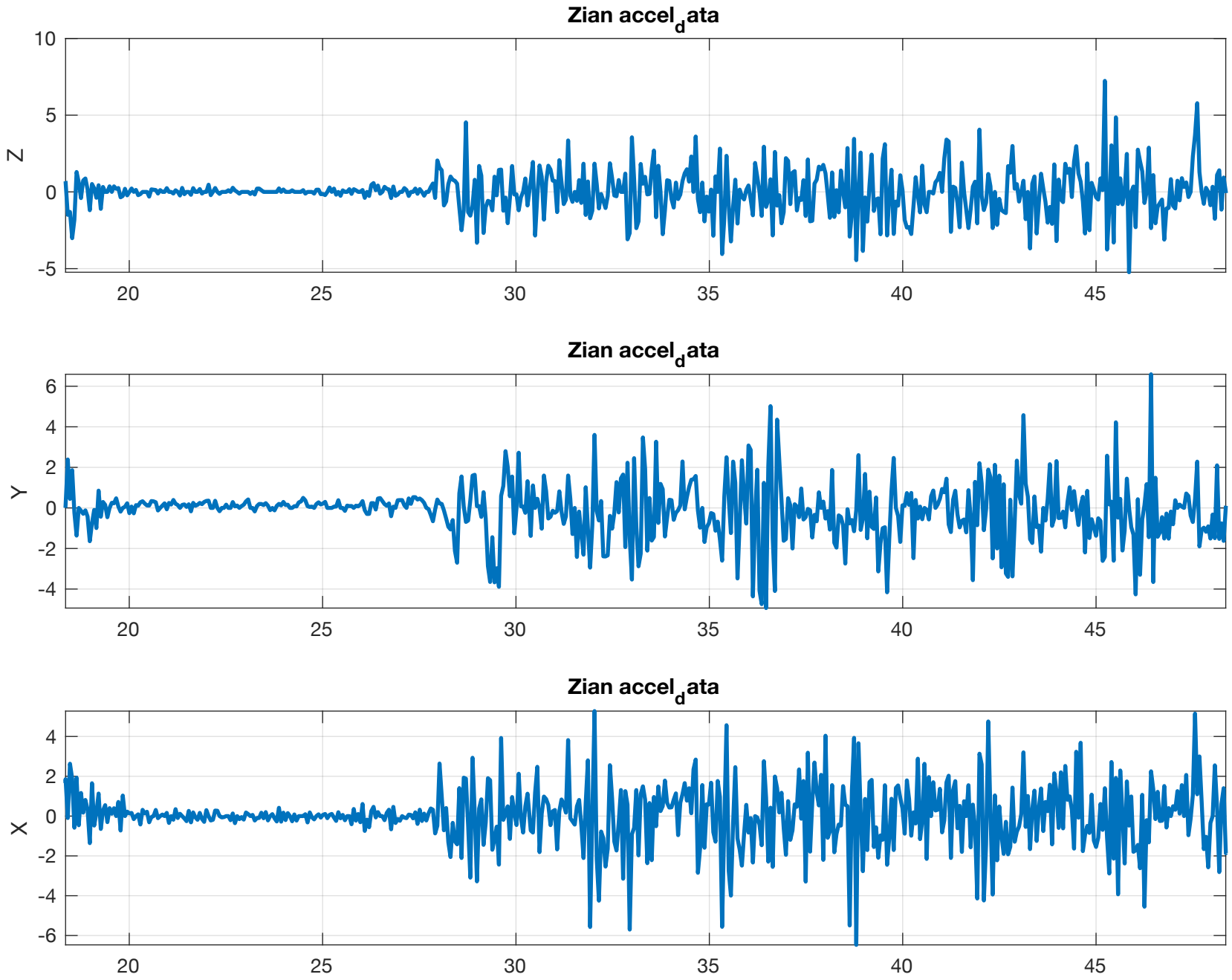
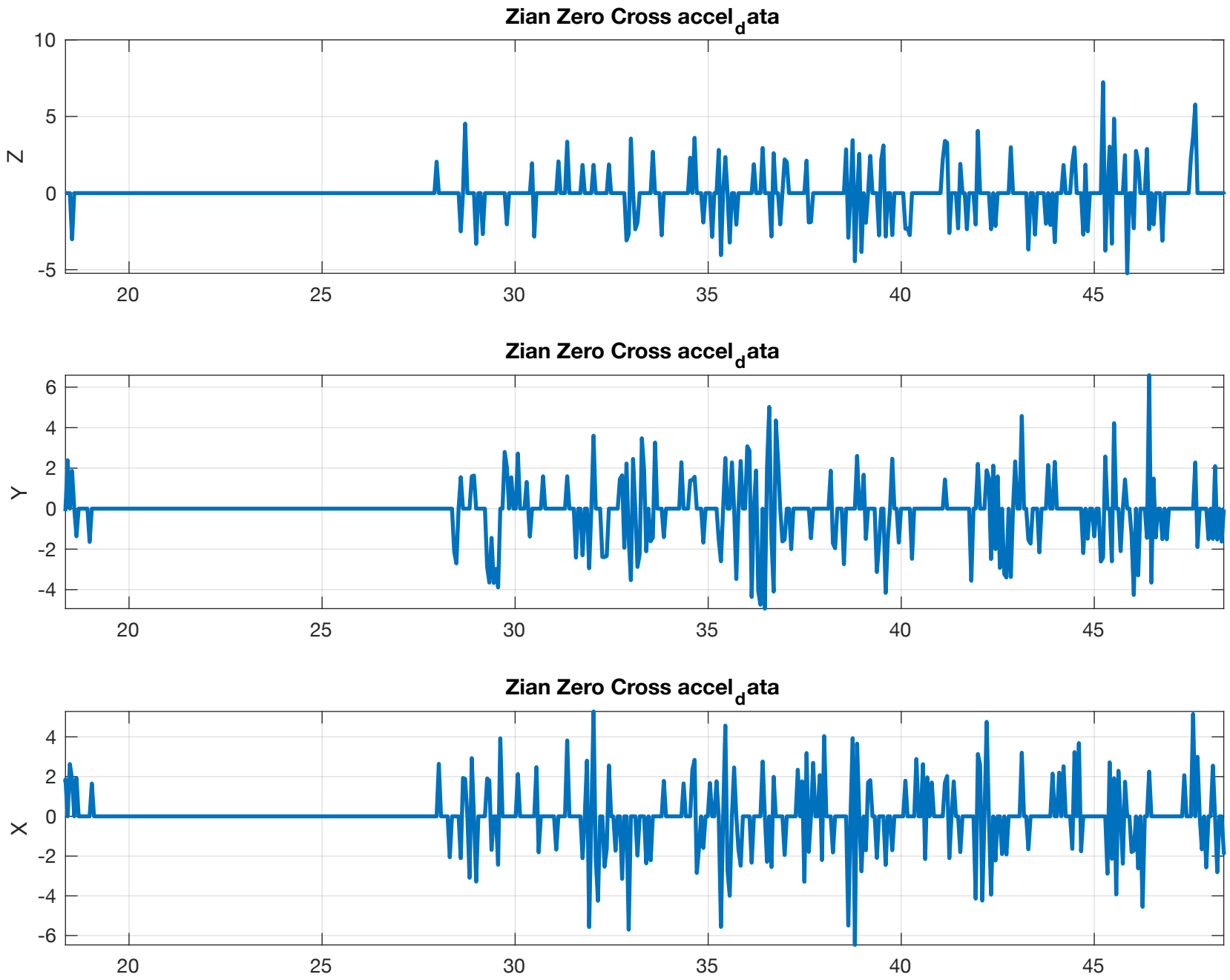
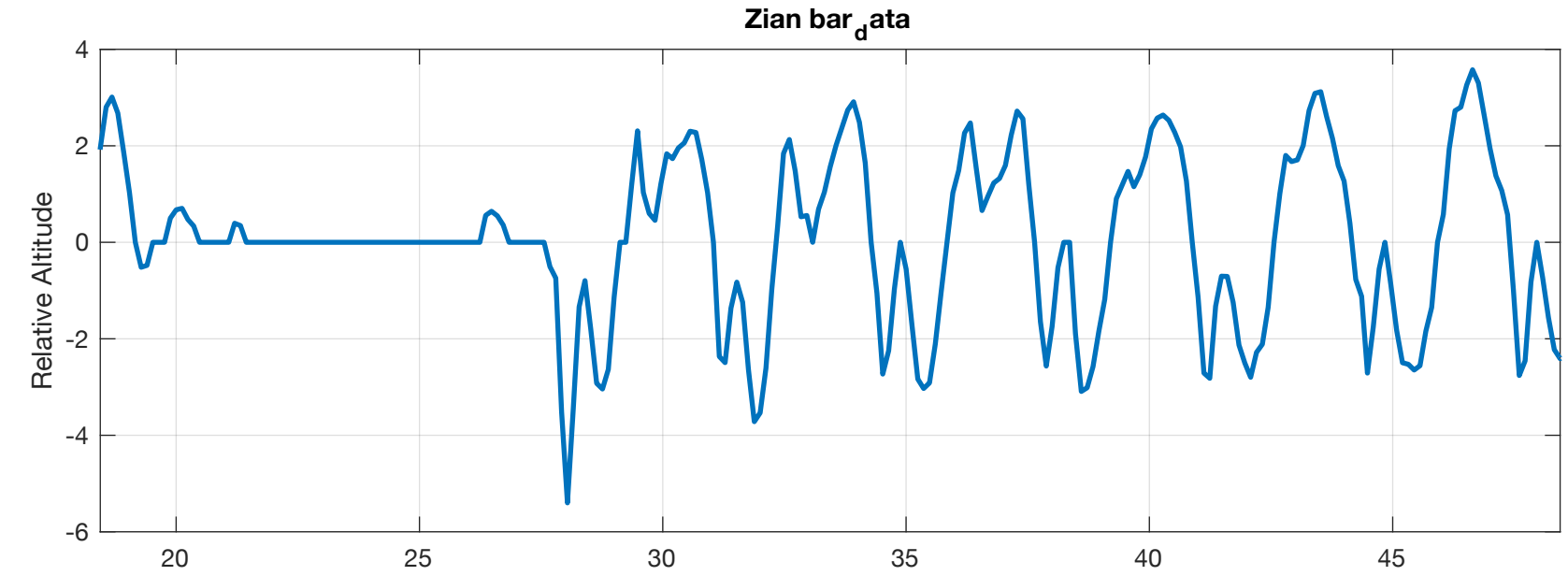
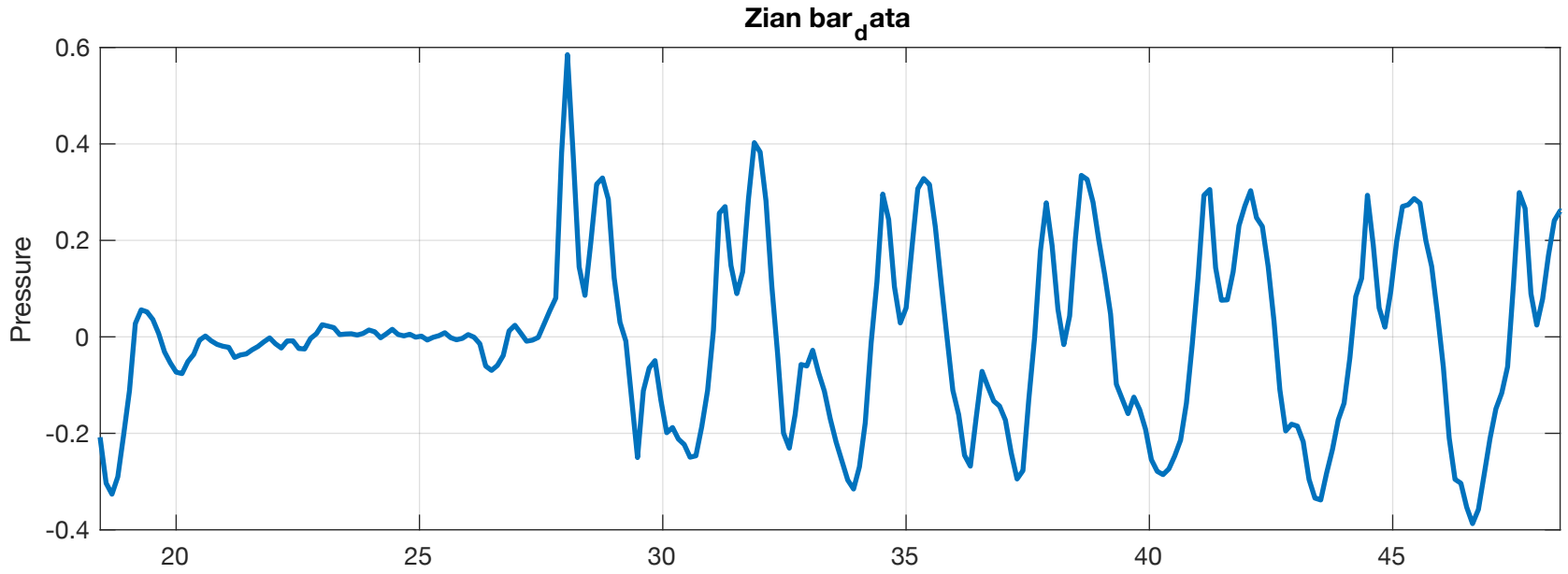
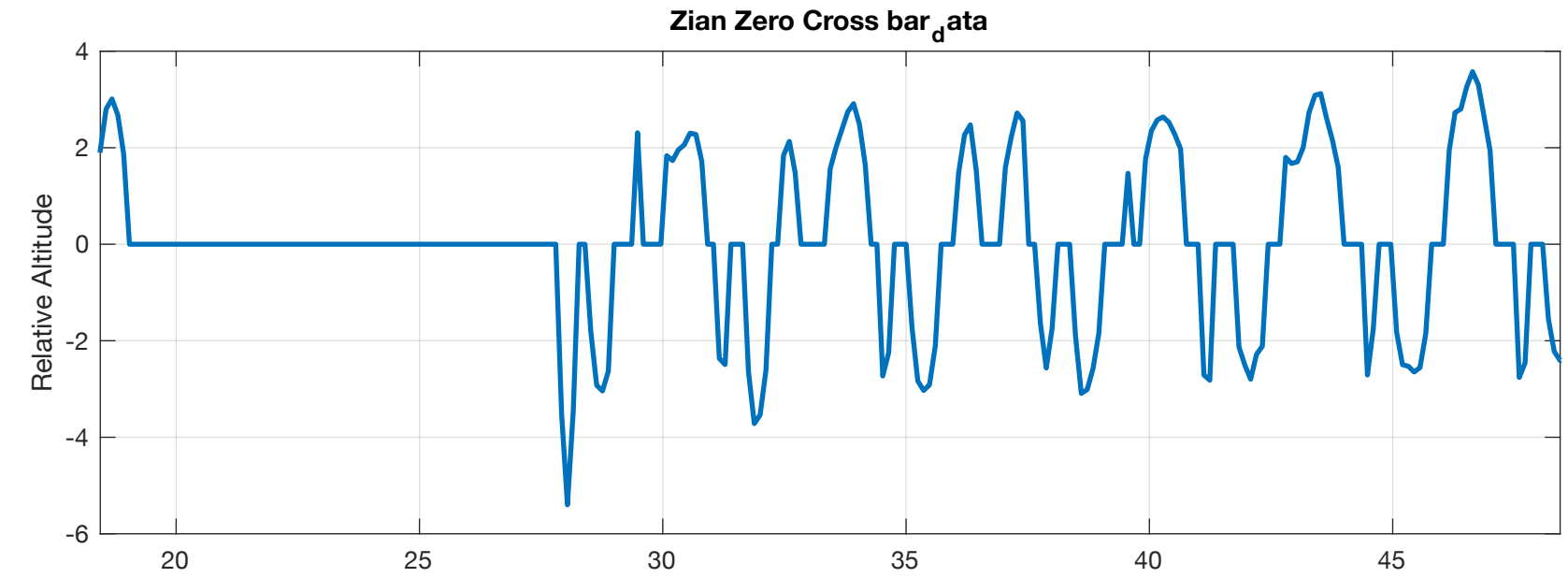

Zian accel_data
Z
10
5
0
-5
20
25
30
35
40
45
Zian accel_data
Y
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

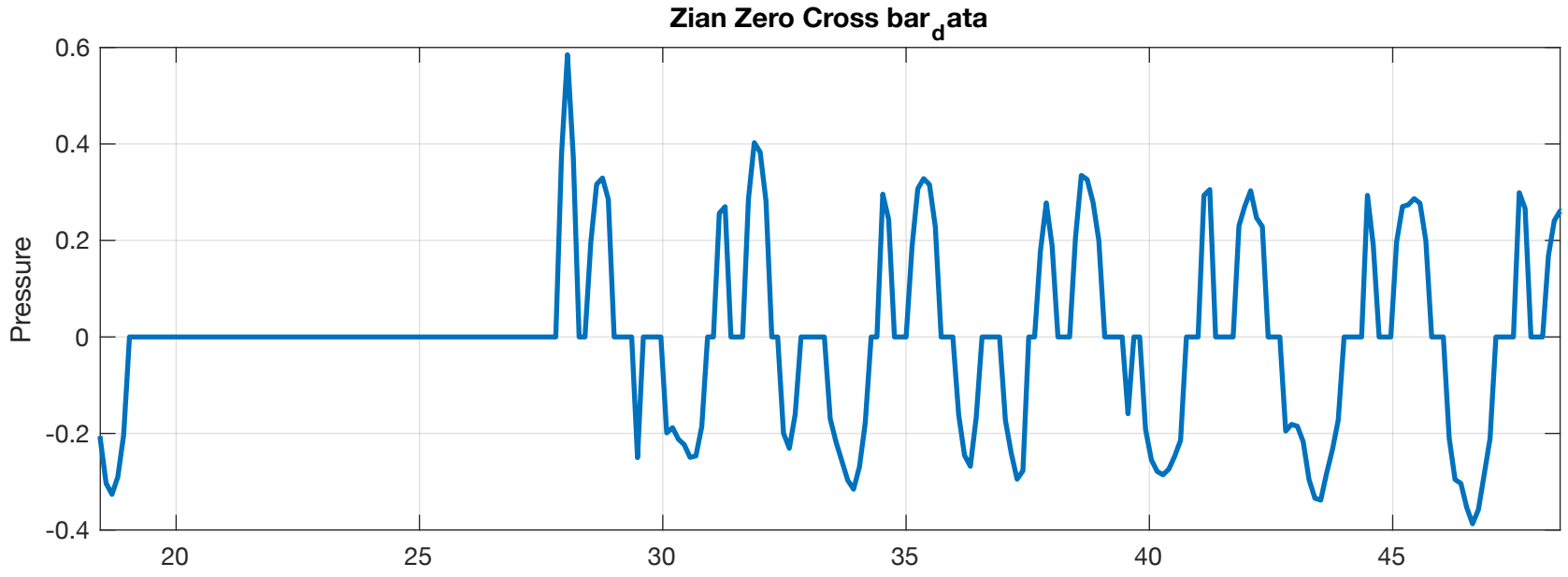

Zian Zero Cross accel_data
Z
10
5
0
-5
20
25
30
35
40
45
Zian Zero Cross accel_data
Y
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-383.000	-327.000	-114.000	-75.500	"accel_data"
'Y'	-392.000	-333.000	-111.000	-92.000	"accel_data"
'X'	-412.000	-354.000	-125.000	-114.500	"accel_data"

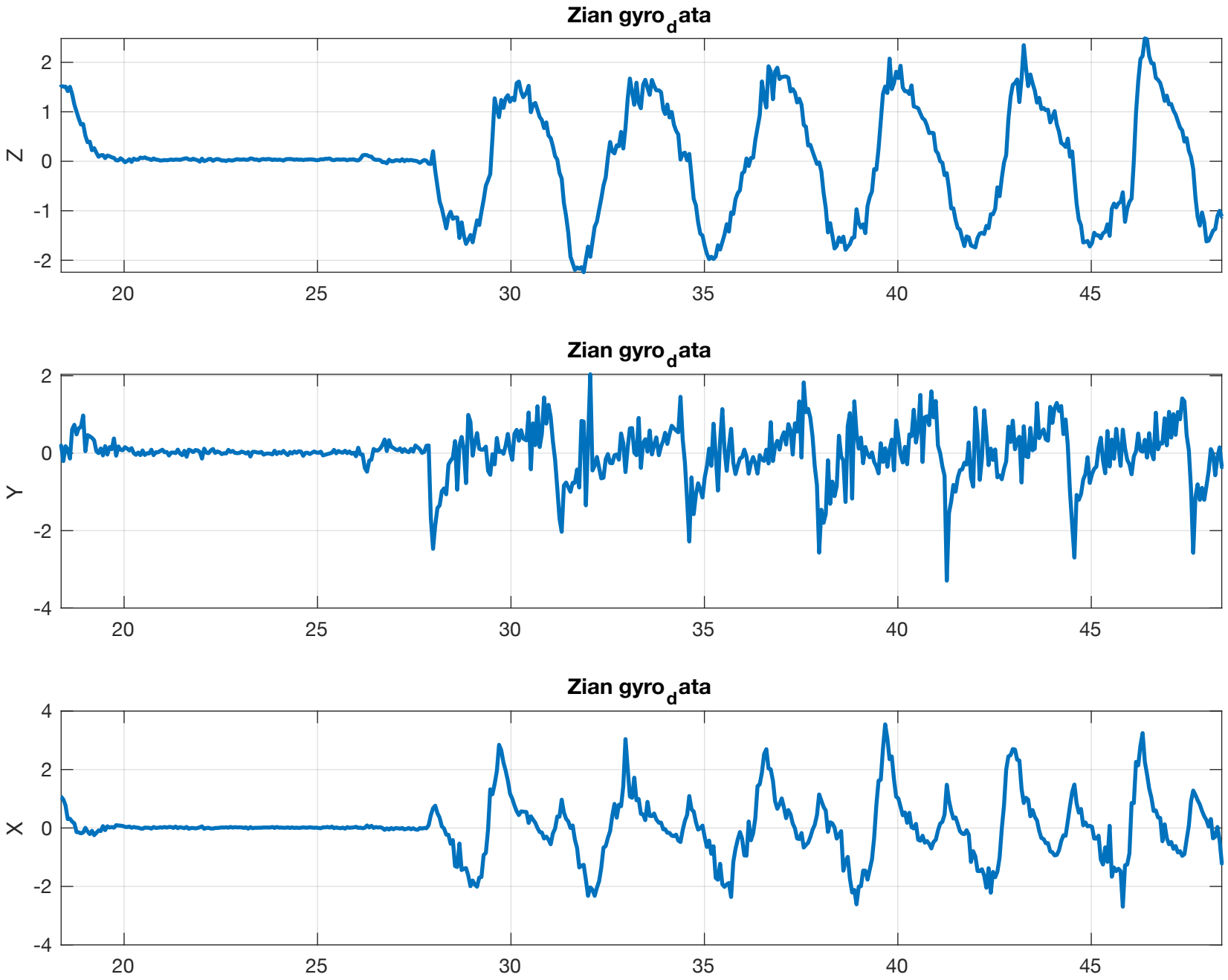

Zian bar_data
Relative Altitude
4
2
0
-2
-4
-6
20
25
30
35
40
45

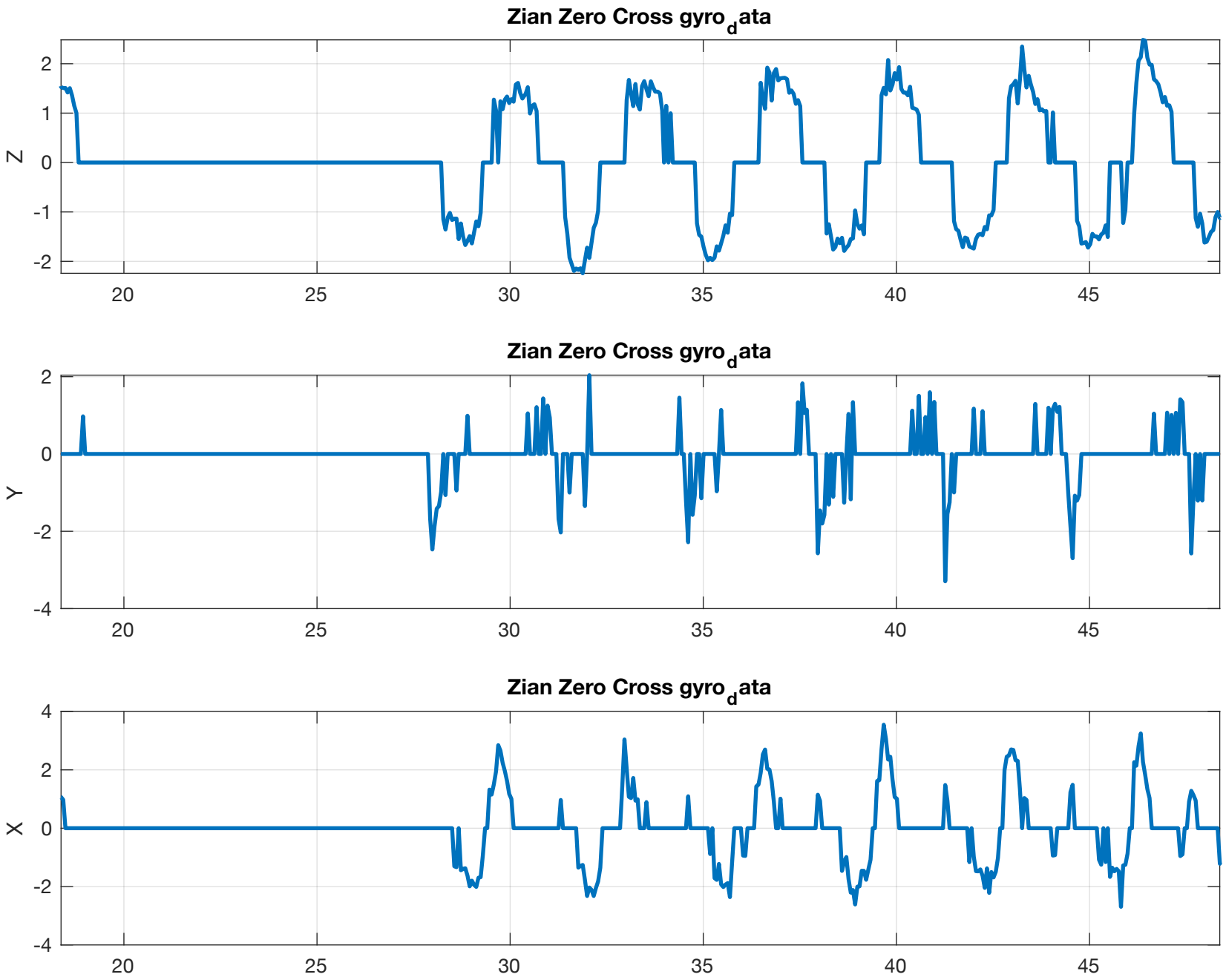

Zian bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45


Zian Zero Cross bar_data
Relative Altitude
4
2
0
-2
-4
-6
20
25
30
35
40
45

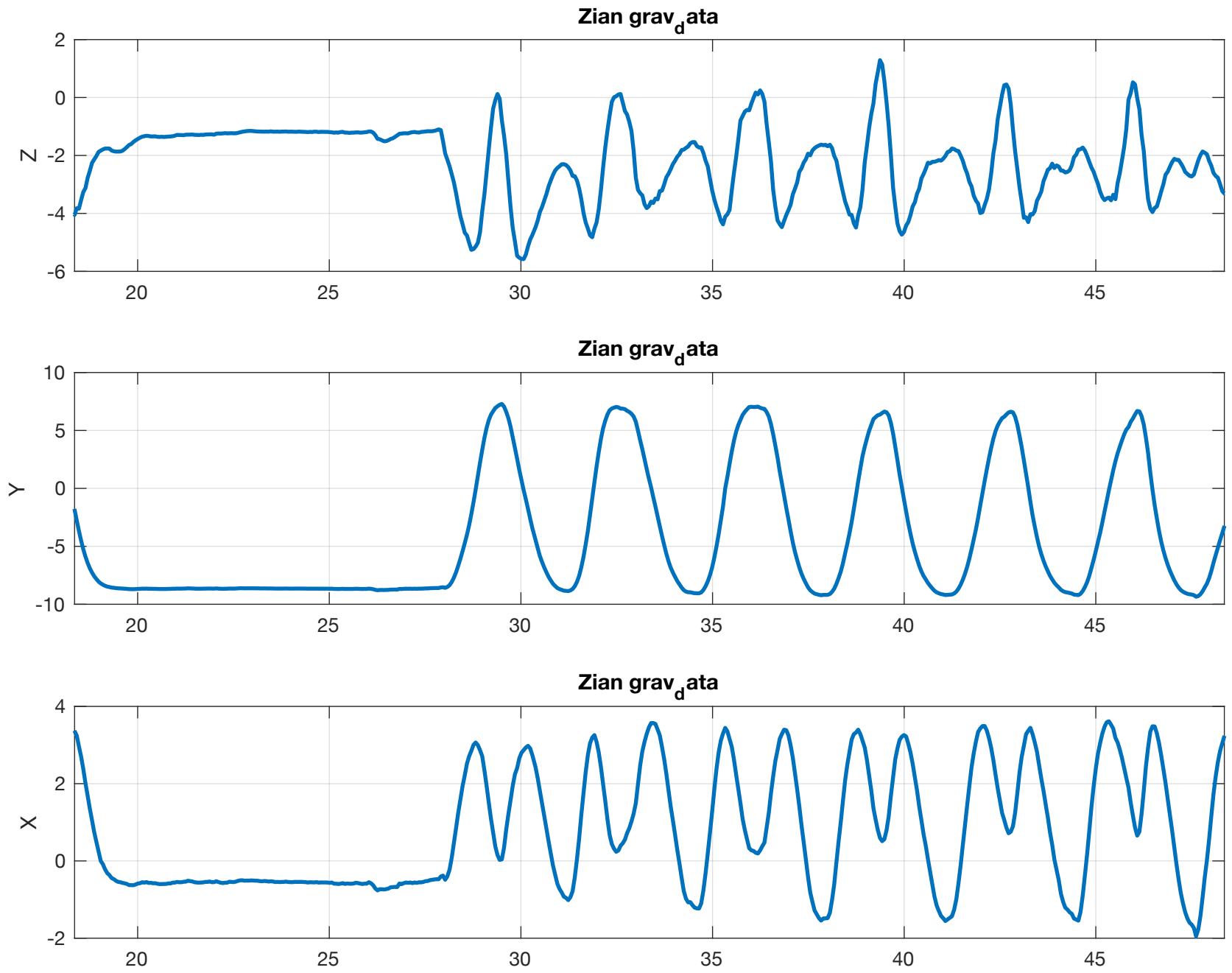

Zian Zero Cross bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
20
25
30
35
40
45

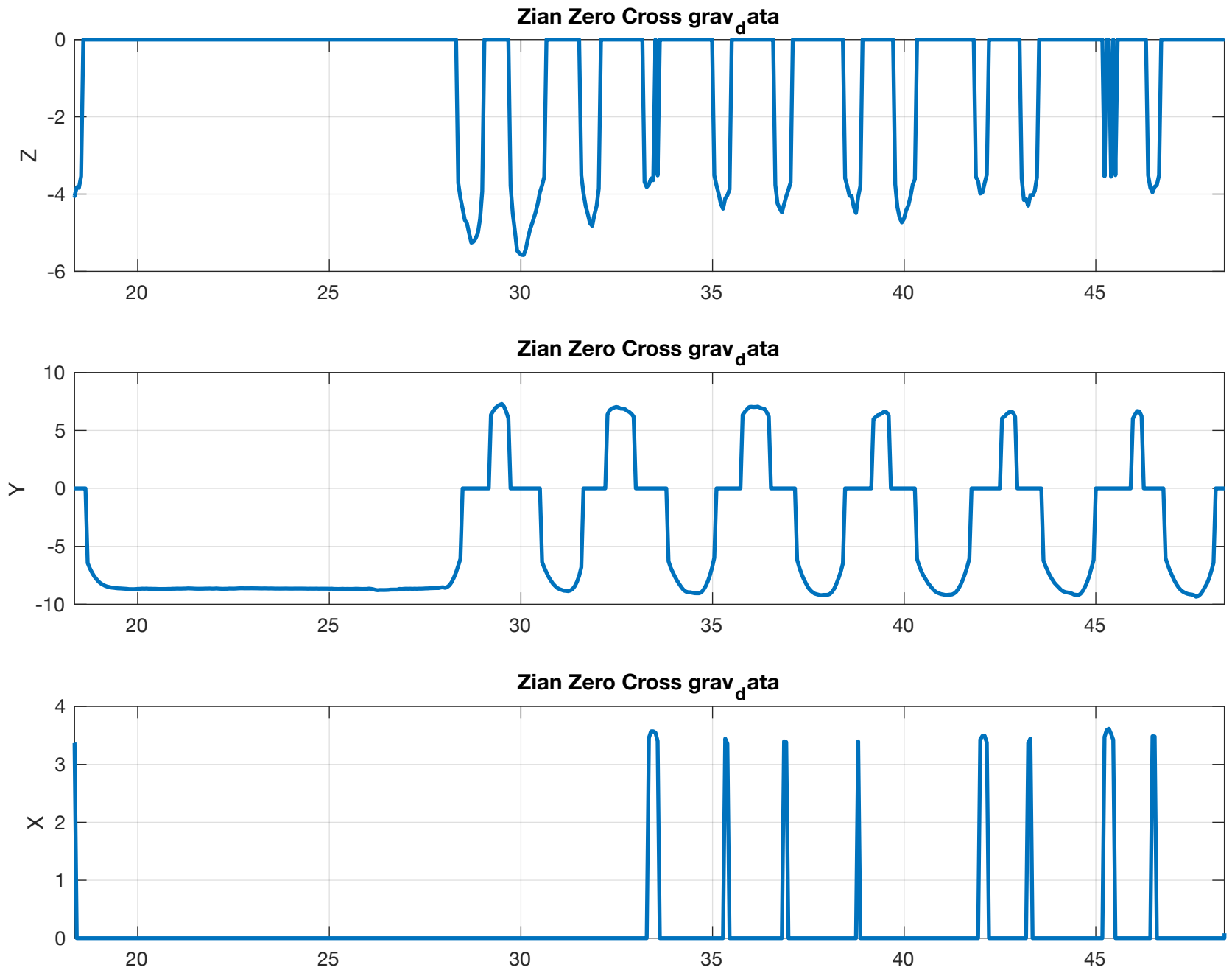
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-68.000	-52.000	-18.000	-15.500	"bar_data"
"Pressure"	-92.000	-63.000	-18.000	-15.500	"bar_data"


Zian gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian gyro_data
Y
2
0
-2
-4
20
25
30
35
40
45
Zian gyro_data
X
4
2
0
-2
-4
20
25
30
35
40
45

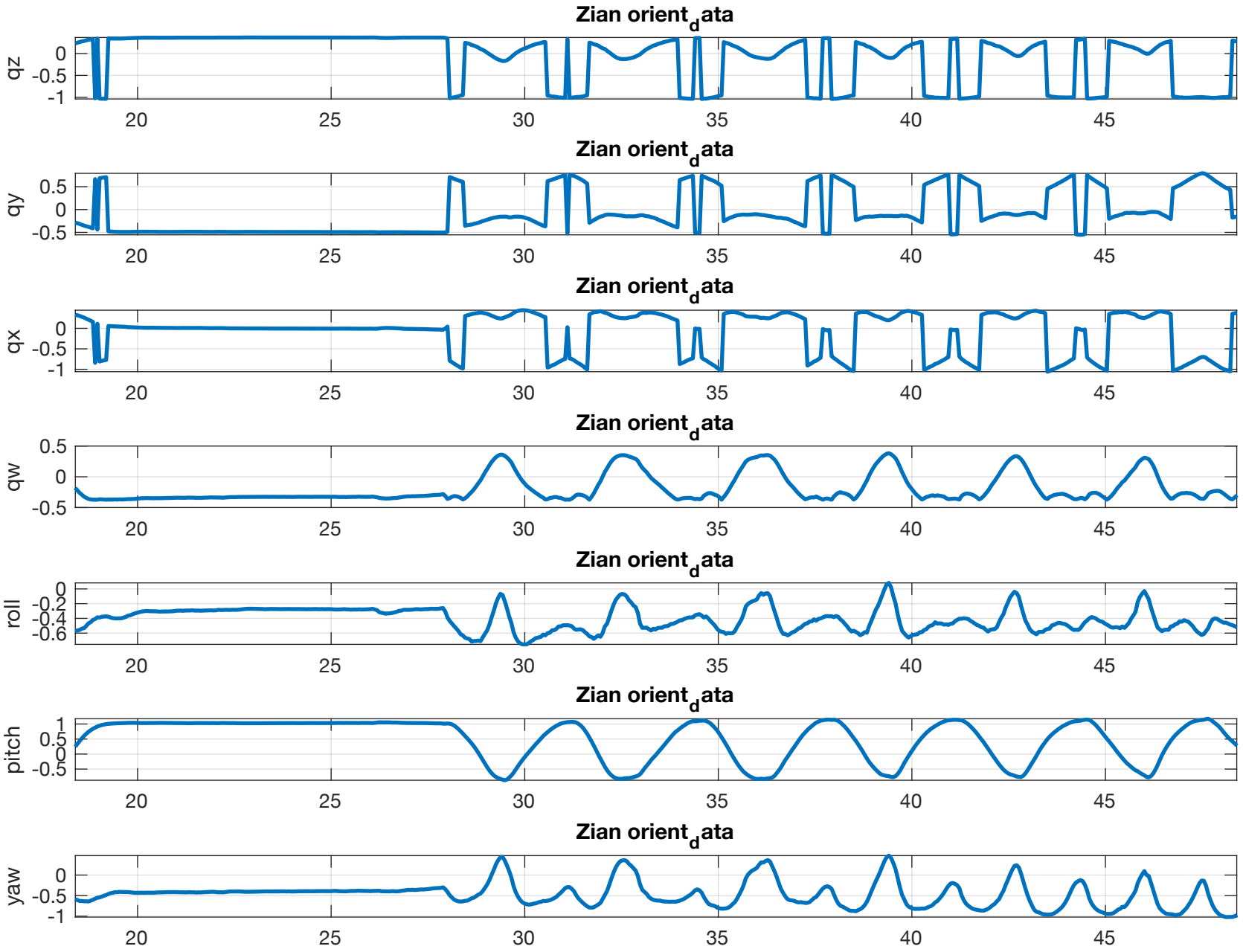

Zian Zero Cross gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
Y
2
0
-2
-4
20
25
30
35
40
45
Zian Zero Cross gyro_data
X
4
2
0
-2
-4
20
25
30
35
40
45

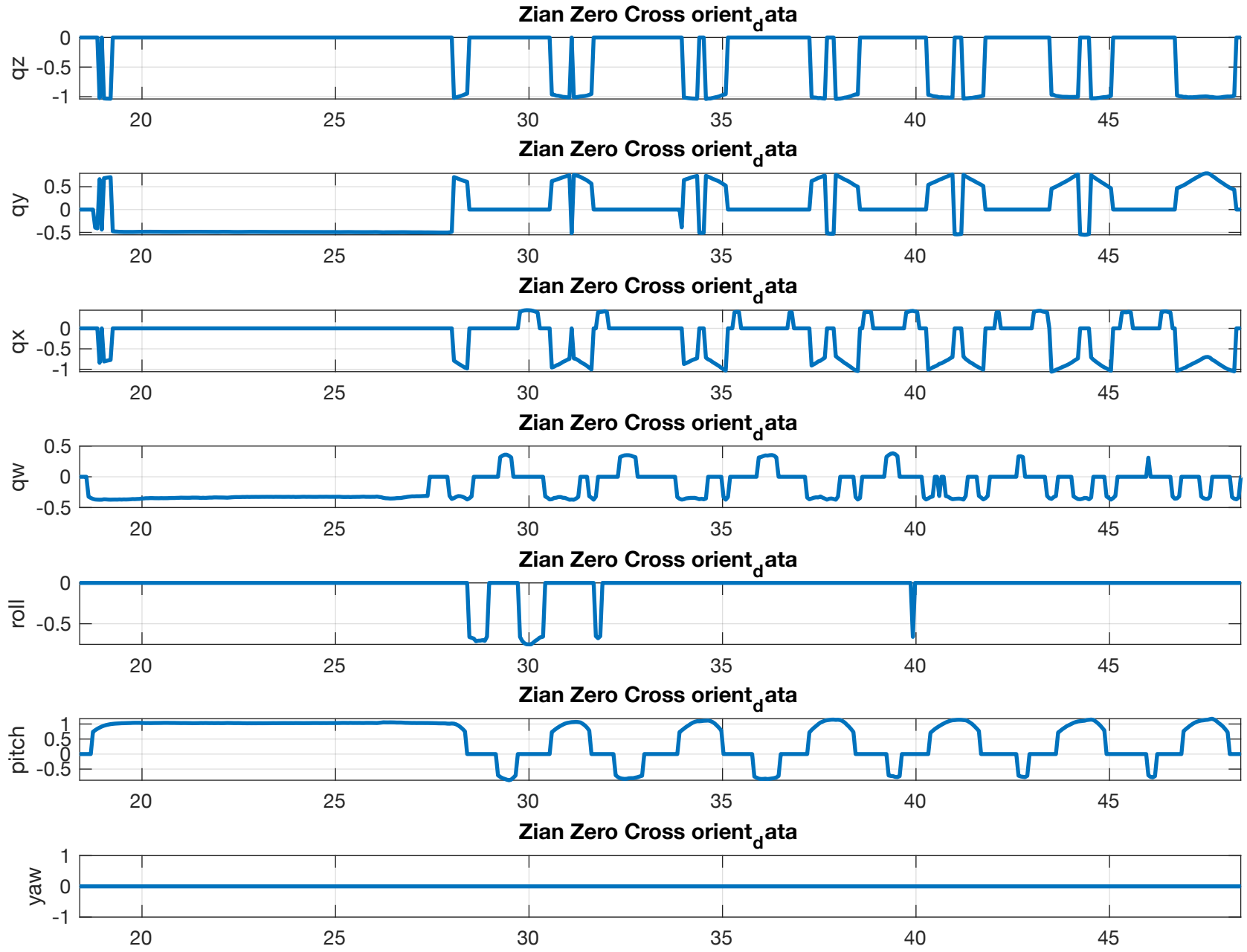
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-299.000	-214.000	-64.000	-17.500	"gyro_data"
'Y'	-373.000	-306.000	-99.000	-50.500	"gyro_data"
'X'	-304.000	-205.000	-68.000	-27.000	"gyro_data"


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


Zian Zero Cross grav_data
Z
0
-2
-4
-6
20
25
30
35
40
45
Zian Zero Cross grav_data
Y
10
5
0
-5
-10
20
25
30
35
40
45
Zian Zero Cross grav_data
X
4
3
2
1
0
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-152.000	-46.000	-14.000	-6.250	"grav_data"
'Y'	-108.000	-62.000	-11.000	-4.500	"grav_data"
'X'	-134.000	-51.000	-11.000	-4.750	"grav_data"


Zian orientdata
qz
0
-0.5
-1
20
25
30
35
40
45
Zian orientdata
qy
0.5
0
-0.5
20
25
30
35
40
45
Zian orientdata
qx
0
-0.5
-1
20
25
30
35
40
45
Zian orientdata
qw
0.5
0
-0.5
20
25
30
35
40
45
Zian orientdata
roll
0
-0.2
-0.4
-0.6
20
25
30
35
40
45
Zian orientdata
pitch
1
0.5
0
-0.5
20
25
30
35
40
45
Zian orientdata
yaw
0
-0.5
-1
20
25
30
35
40
45


Zian Zero Cross orientdata
qz
0
-0.5
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
qy
0.5
0
-0.5
20
25
30
35
40
45
Zian Zero Cross orientdata
qx
0
-0.5
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
qw
0.5
0
-0.5
20
25
30
35
40
45
Zian Zero Cross orientdata
roll
0
-0.5
20
25
30
35
40
45
Zian Zero Cross orientdata
pitch
1
0.5
0
-0.5
20
25
30
35
40
45
Zian Zero Cross orientdata
yaw
1
0
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-141.000	-108.000	-30.000	-2.500	"orient_data"
'qy'	-141.000	-51.000	-13.000	-9.000	"orient_data"
'qx'	-148.000	-95.000	-25.000	-7.000	"orient_data"
'qw'	-141.000	-57.000	-17.000	-9.250	"orient_data"
'roll'	-172.000	-39.000	-11.000	2.750	"orient_data"
'pitch'	-109.000	-49.000	-7.000	-3.500	"orient_data"
'yaw'	-138.000	-37.000	-10.000	2.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	75.500
'bar_data'	"Relative Altitude"	'zero_cross'	15.500
'gyro_data'	"Z"	'zero_cross'	17.500
'grav_data'	"Y"	'zero_cross'	4.500
'orient_data'	"qz"	'zero_cross'	2.500