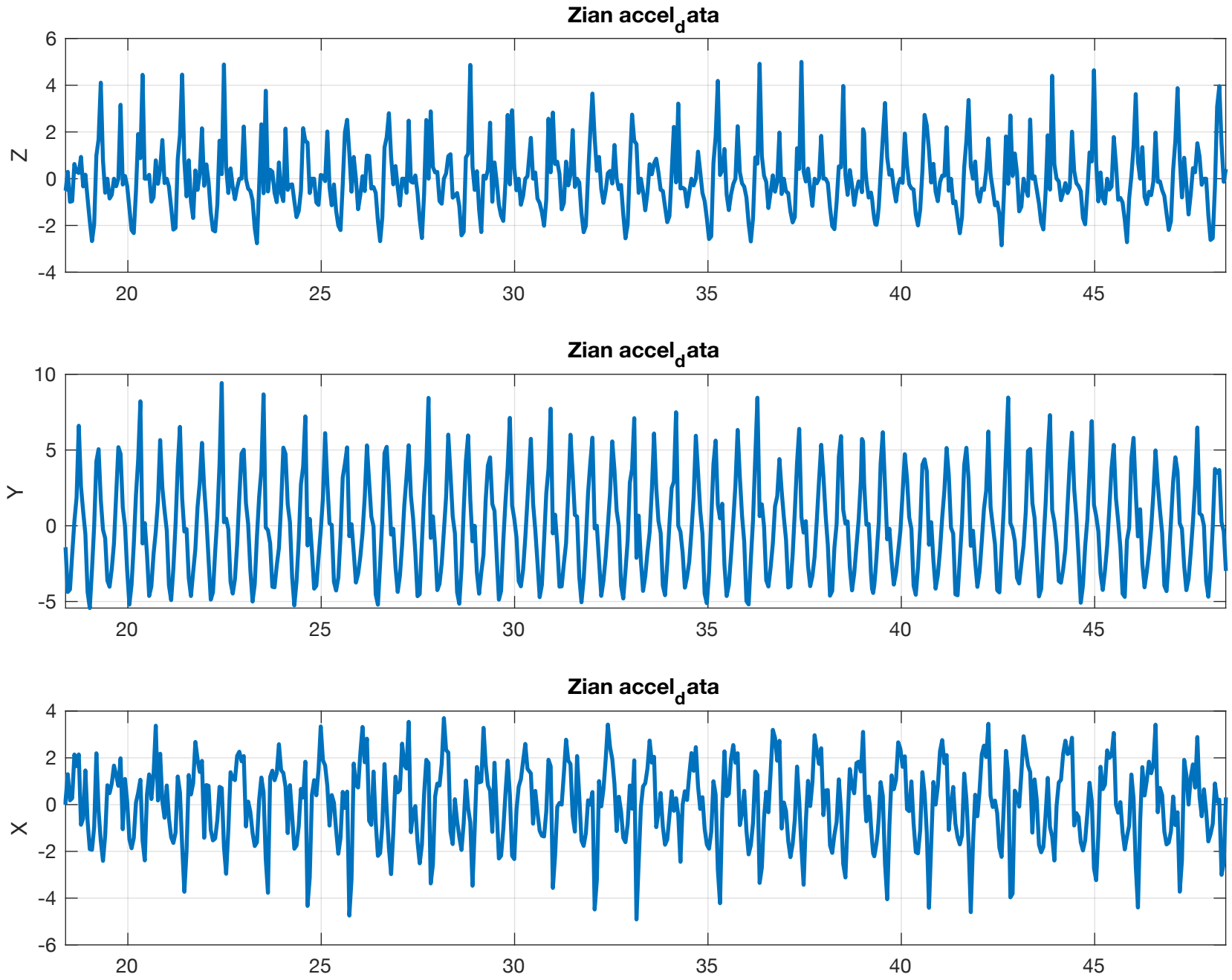
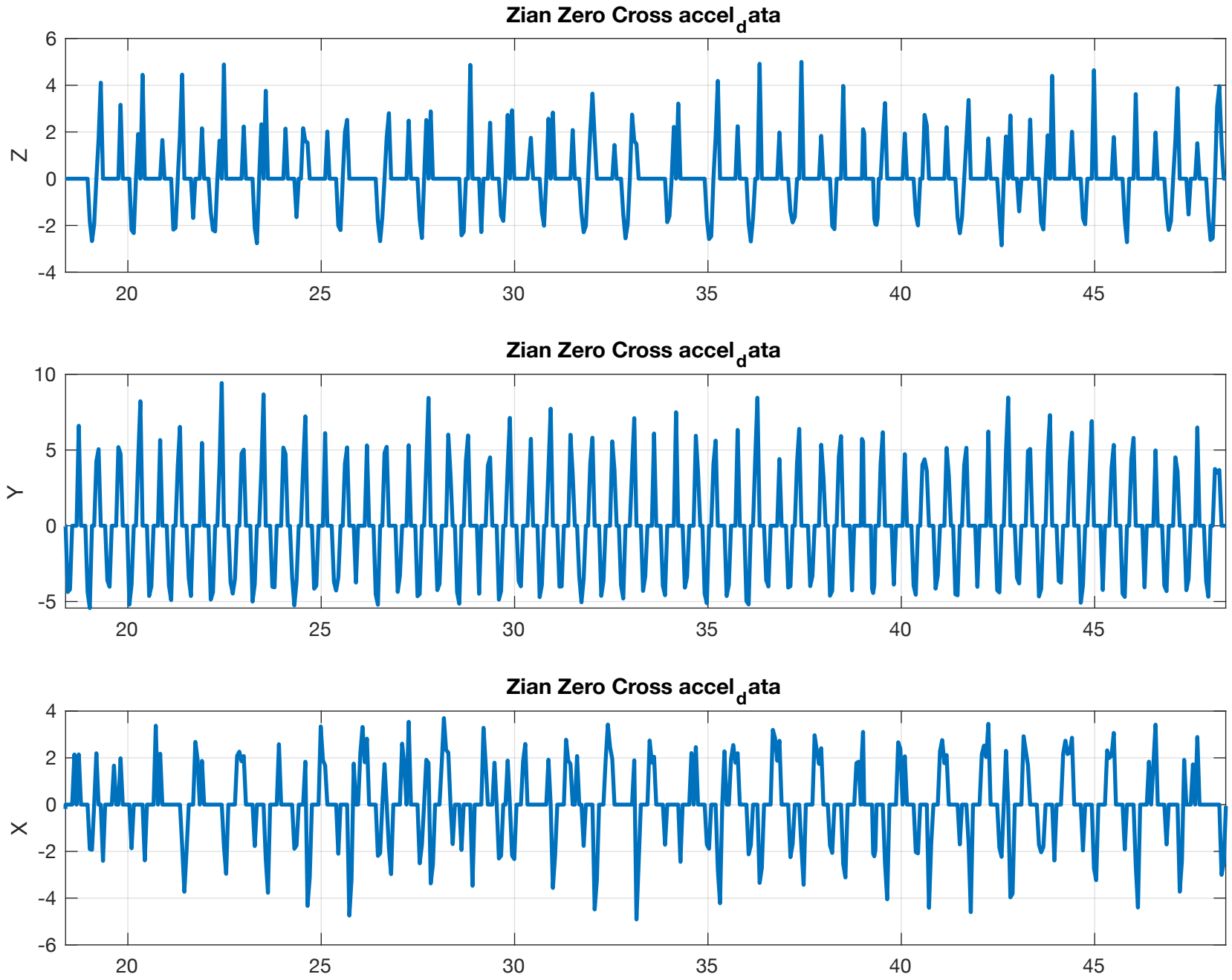
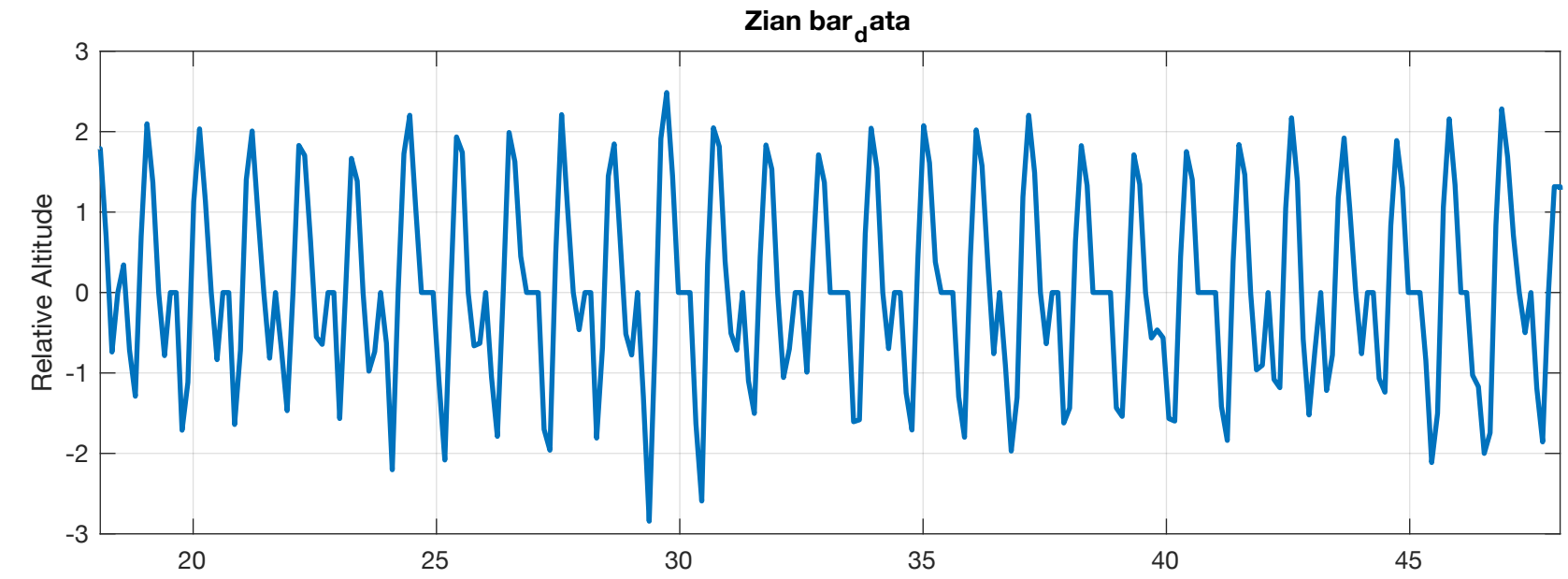
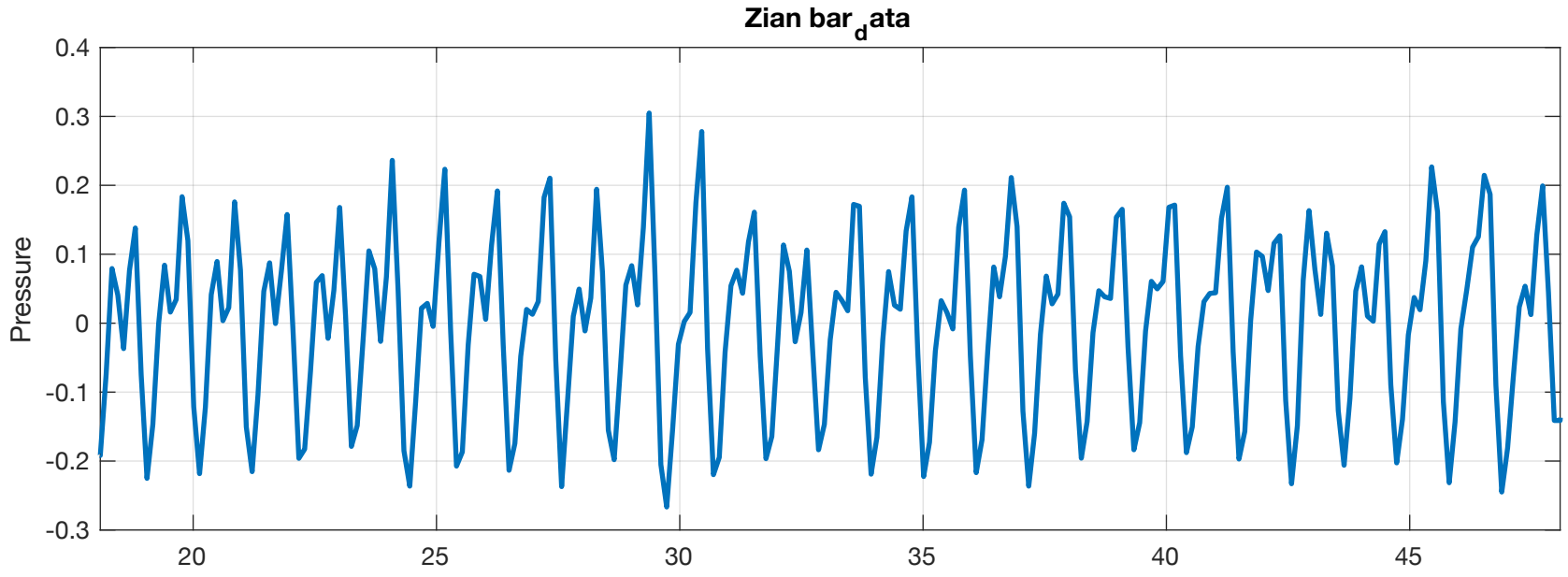
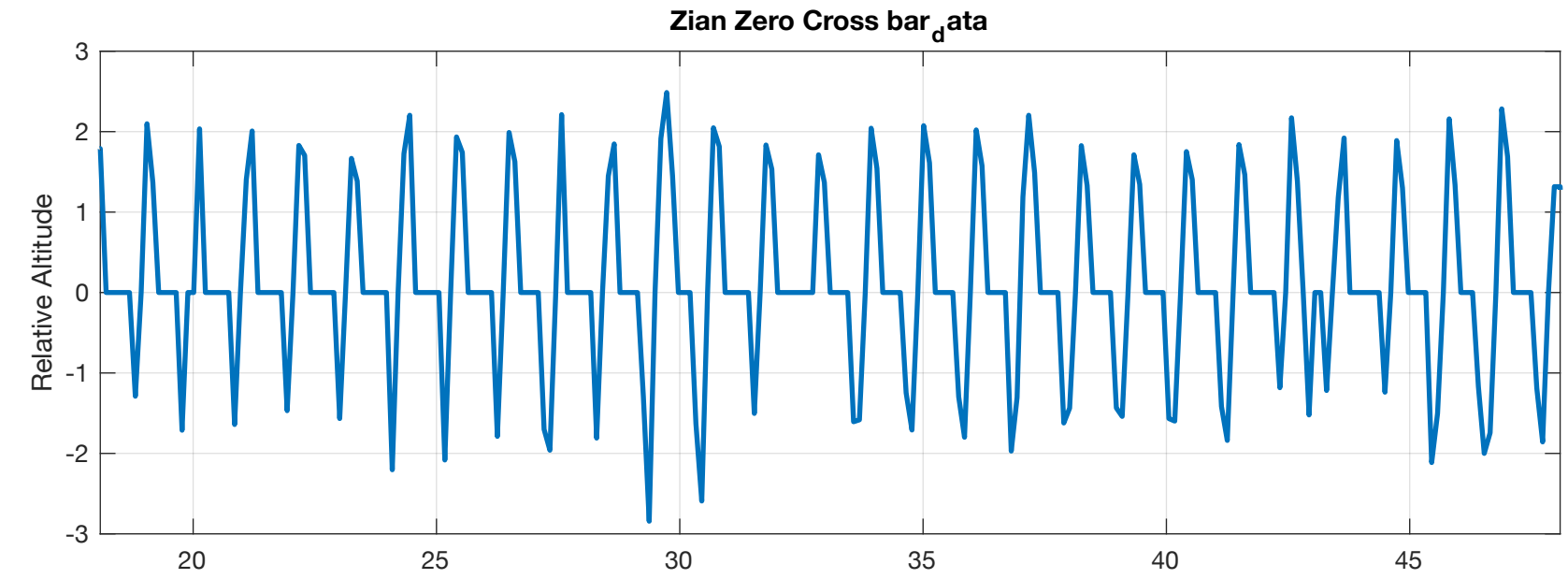

Zian accel_data
Z
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian accel_data
Y
10
5
0
-5
20
25
30
35
40
45
Zian accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

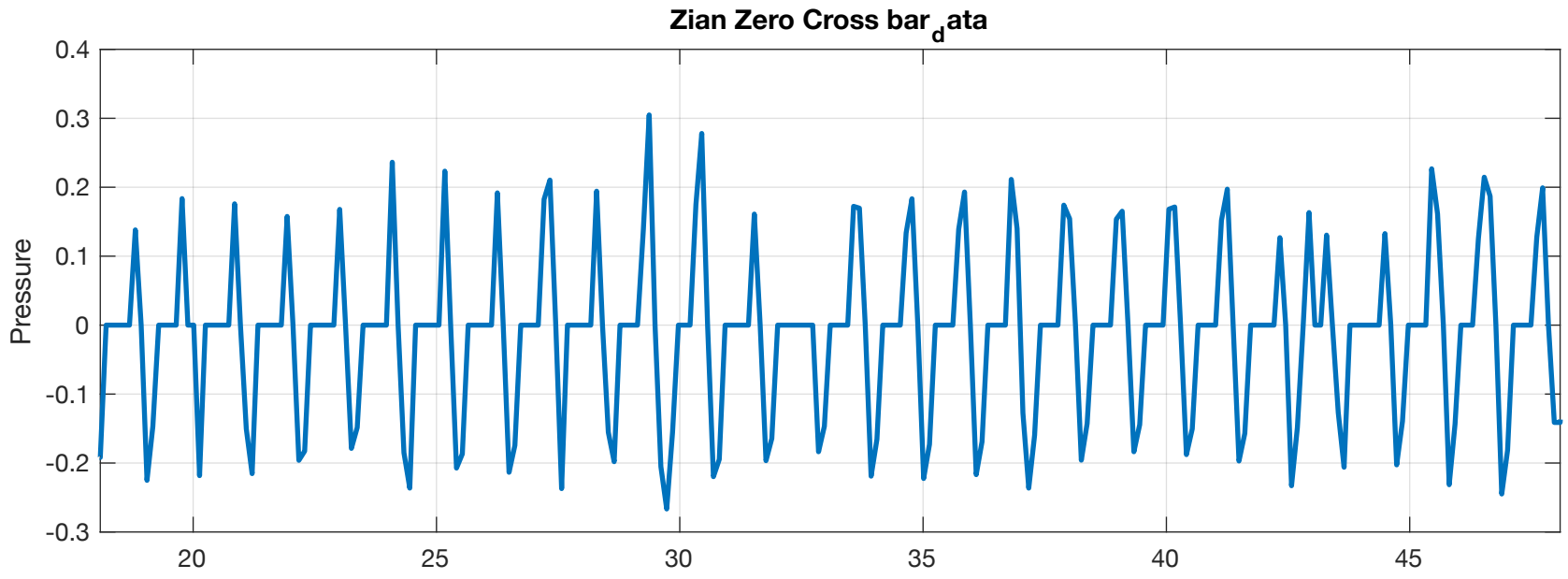

Zian Zero Cross accel_data
Z
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian Zero Cross accel_data
Y
10
5
0
-5
20
25
30
35
40
45
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-153.000	-105.000	6.000	20.000	"accel_data"
'Y'	-41.000	-23.000	51.000	1.500	"accel_data"
'X'	-147.000	-133.000	24.000	5.500	"accel_data"

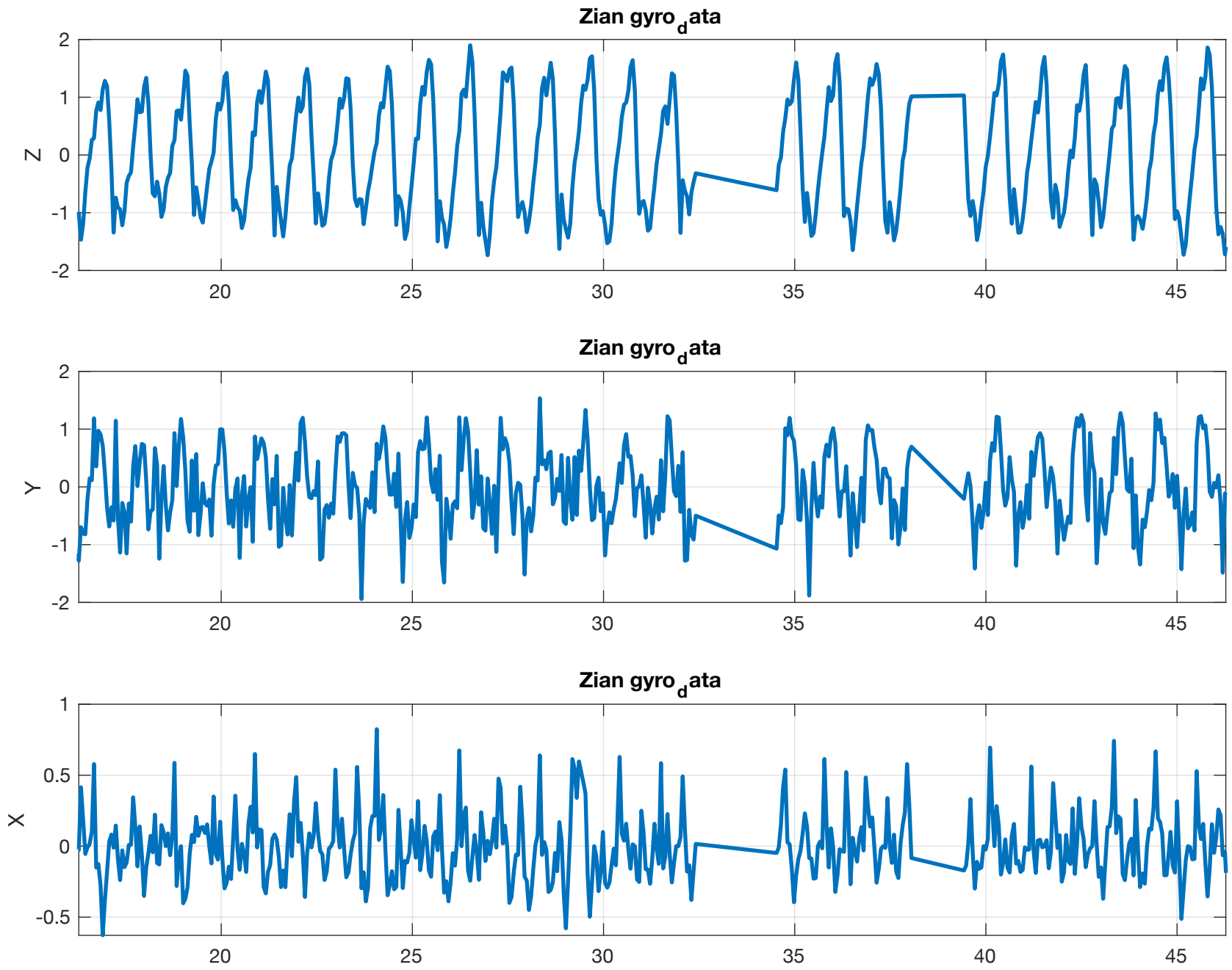

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
20
25
30
35
40
45

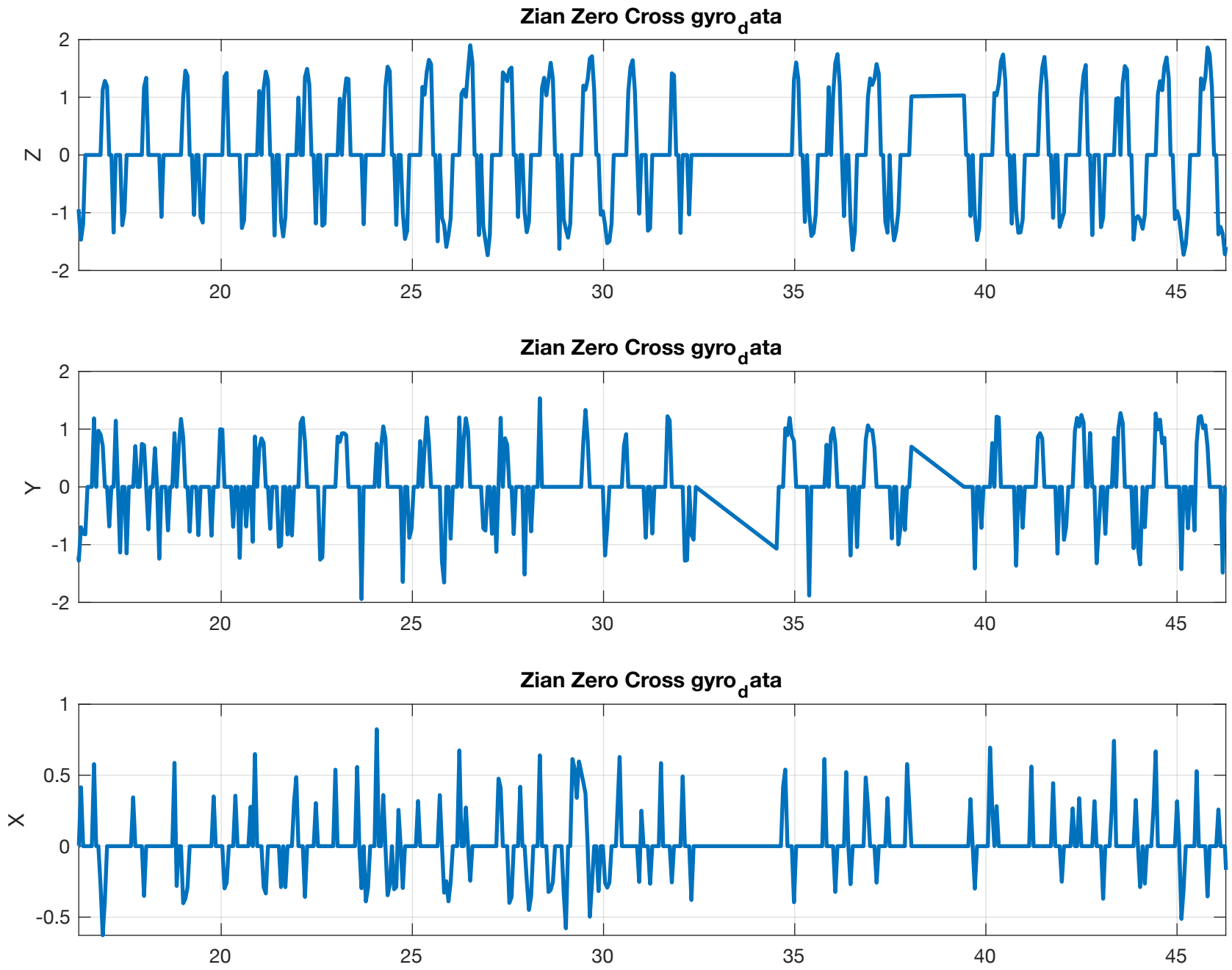

Zian bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45


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

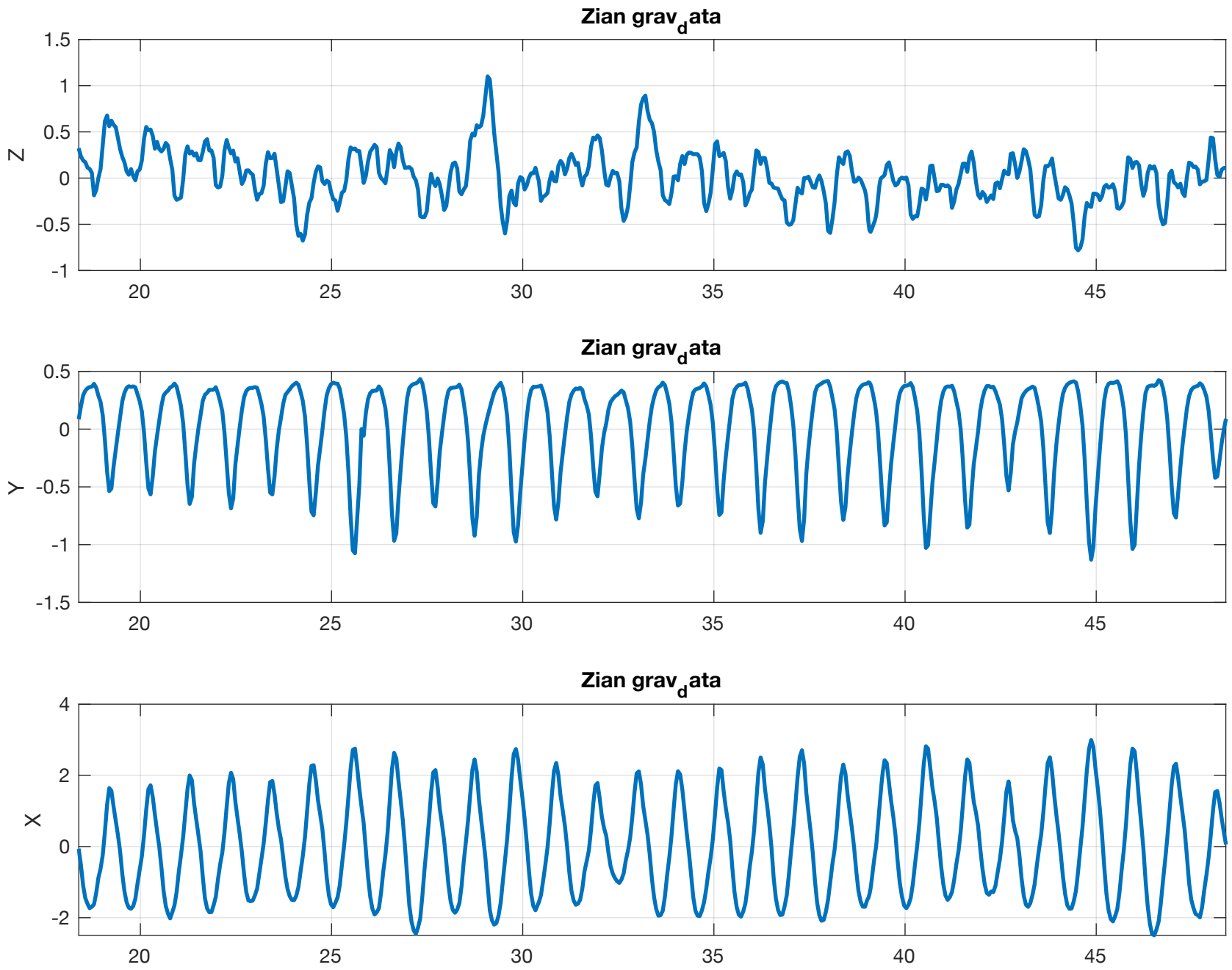

Zian Zero Cross bar_data
Pressure
0.4
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45

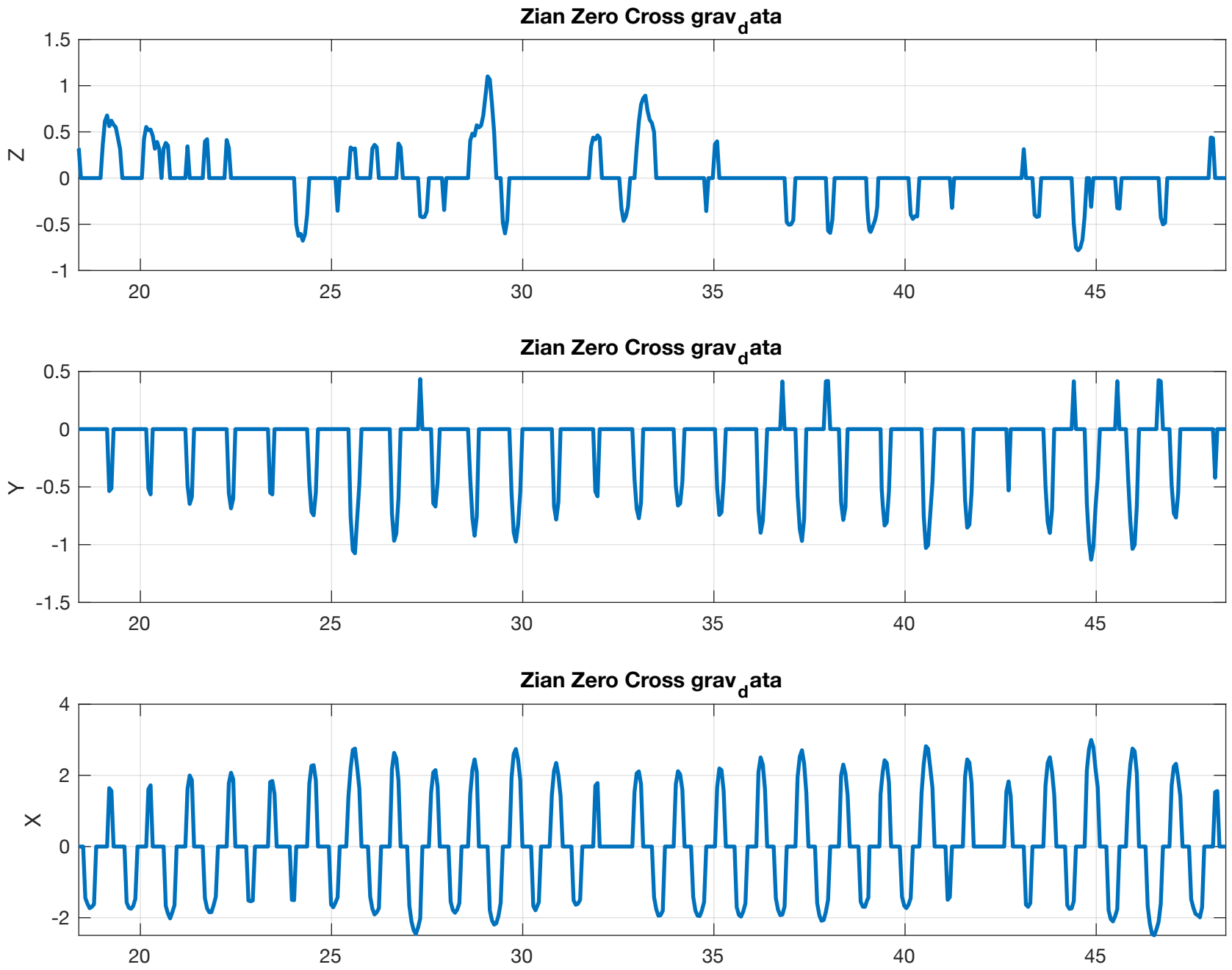
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	17.000	48.000	68.000	50.750	"bar_data"
"Pressure"	2.000	2.000	57.000	50.750	"bar_data"


Zian gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian gyro_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Zian gyro_data
X
1
0.5
0
-0.5
20
25
30
35
40
45

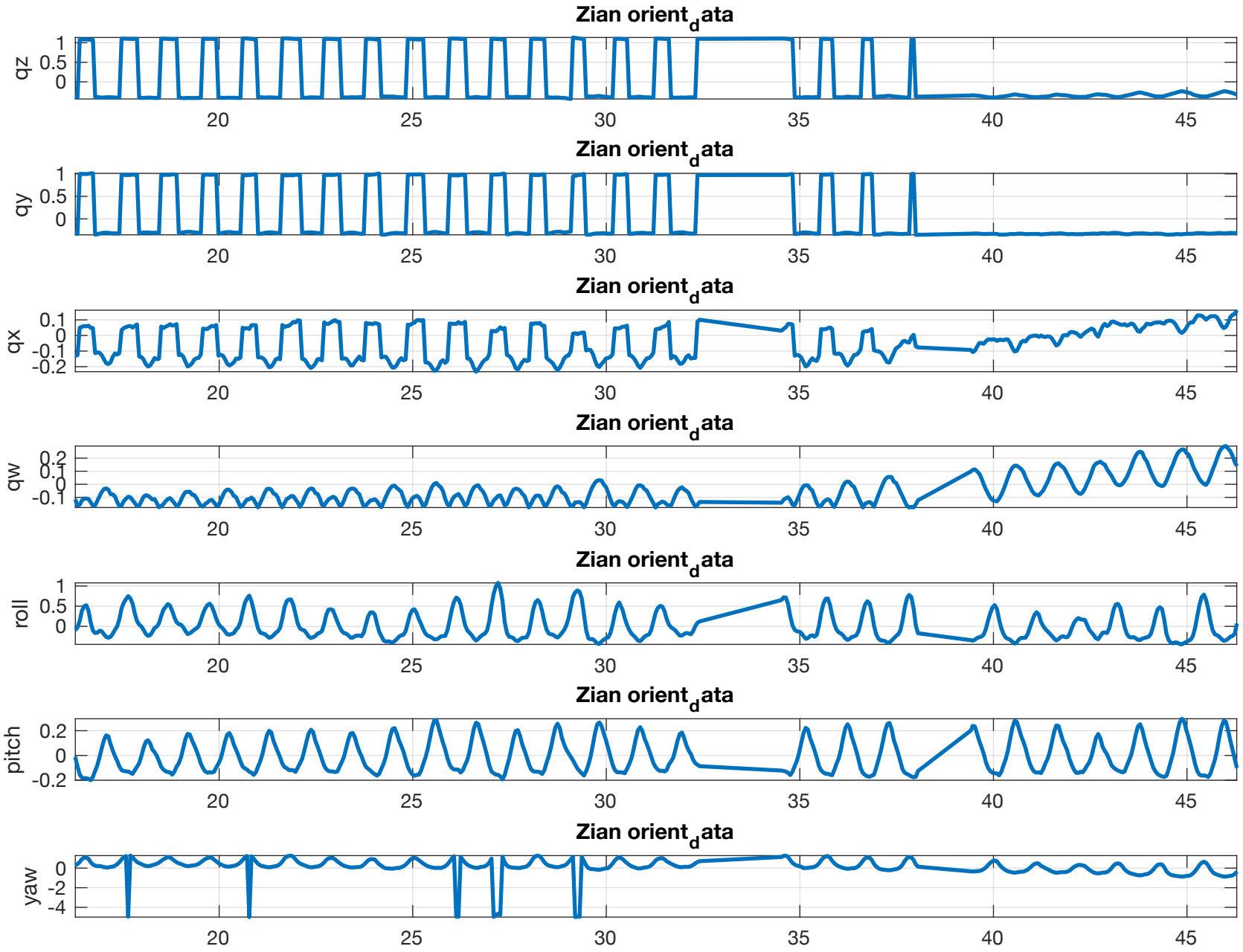

Zian Zero Cross gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
20
25
30
35
40
45

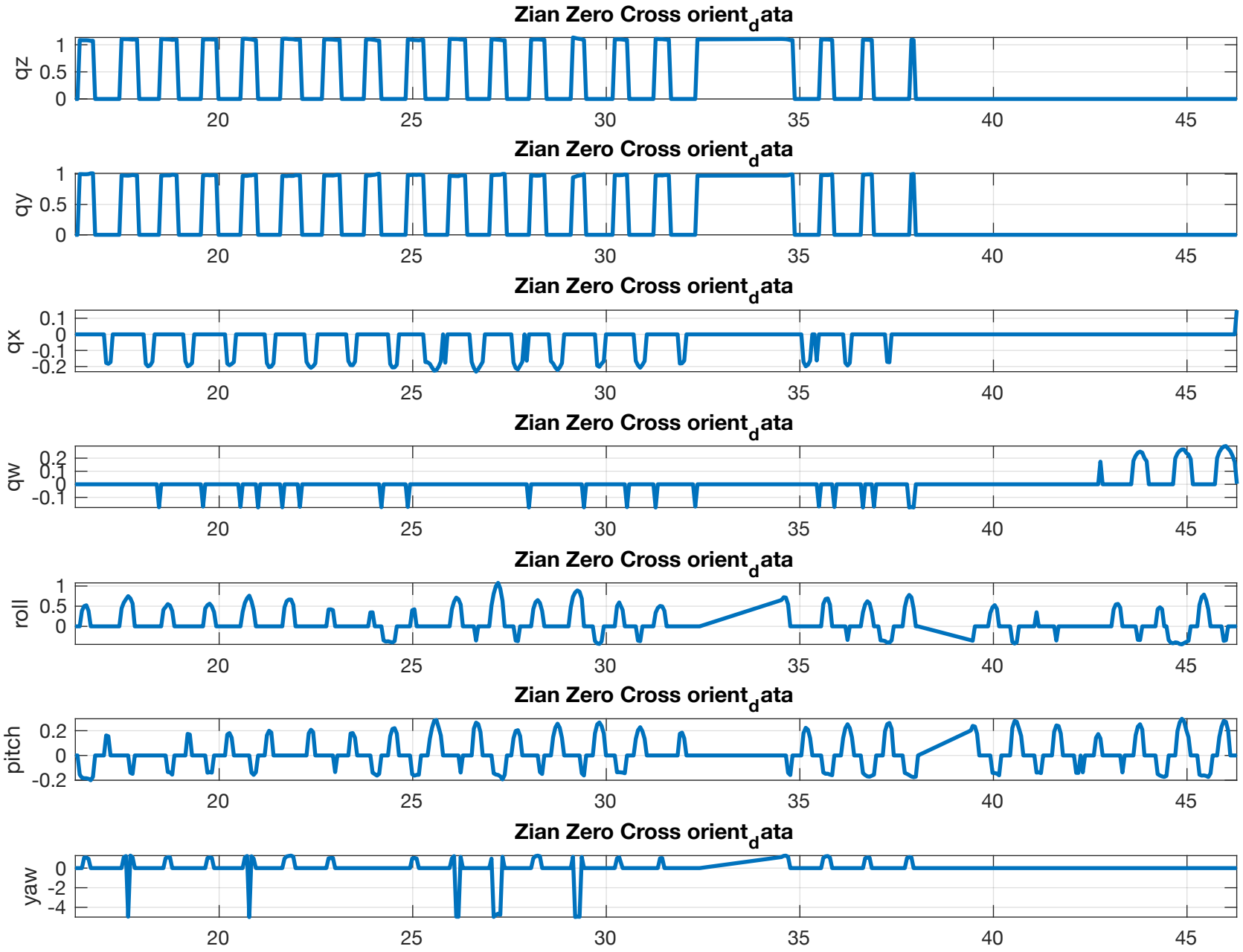
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-36.000	12.000	58.000	40.500	"gyro_data"
'Y'	-135.000	-73.000	31.000	18.000	"gyro_data"
'X'	-114.000	-74.000	29.000	27.000	"gyro_data"


Zian grav_data
Z
1.5
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian grav_data
Y
0.5
0
-0.5
-1
-1.5
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
1.5
1
0.5
0
-0.5
-1
20
25
30
35
40
45
Zian Zero Cross grav_data
Y
0.5
0
-0.5
-1
-1.5
20
25
30
35
40
45
Zian Zero Cross grav_data
X
4
2
0
-2
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-68.000	-24.000	55.000	68.250	"grav_data"
'Y'	31.000	33.000	75.000	71.000	"grav_data"
'X'	45.000	49.000	88.000	52.000	"grav_data"


Zian orientdata
qz
1
0.5
0
20
25
30
35
40
45
Zian orientdata
qy
1
0.5
0
20
25
30
35
40
45
Zian orientdata
qx
0.1
0
-0.1
-0.2
20
25
30
35
40
45
Zian orientdata
qw
0.2
0.1
0
-0.1
20
25
30
35
40
45
Zian orientdata
roll
1
0.5
0
20
25
30
35
40
45
Zian orientdata
pitch
0.2
0
-0.2
20
25
30
35
40
45
Zian orientdata
yaw
0
-2
-4
20
25
30
35
40
45


Zian Zero Cross orientdata
qz
1
0.5
0
20
25
30
35
40
45
Zian Zero Cross orientdata
qy
1
0.5
0
20
25
30
35
40
45
Zian Zero Cross orientdata
qx
0.1
0
-0.1
-0.2
20
25
30
35
40
45
Zian Zero Cross orientdata
qw
0.2
0.1
0
-0.1
20
25
30
35
40
45
Zian Zero Cross orientdata
roll
1
0.5
0
20
25
30
35
40
45
Zian Zero Cross orientdata
pitch
0.2
0
-0.2
20
25
30
35
40
45
Zian Zero Cross orientdata
yaw
0
-2
-4
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-21.000	48.000	70.000	85.500	"orient_data"
'qy'	-43.000	46.000	71.000	85.500	"orient_data"
'qx'	-55.000	-11.000	55.000	81.250	"orient_data"
'qw'	19.000	75.000	89.000	83.250	"orient_data"
'roll'	30.000	55.000	73.000	68.500	"orient_data"
'pitch'	42.000	56.000	83.000	60.000	"orient_data"
'yaw'	29.000	41.000	78.000	74.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	1.500
'bar_data'	"Pressure"	'findpeaks'	2.000
'gyro_data'	"Z"	'findpeaks_above_zero'	12.000
'grav_data'	"Z"	'findpeaks_above_zero'	24.000
'orient_data'	"qx"	'findpeaks_above_zero'	11.000