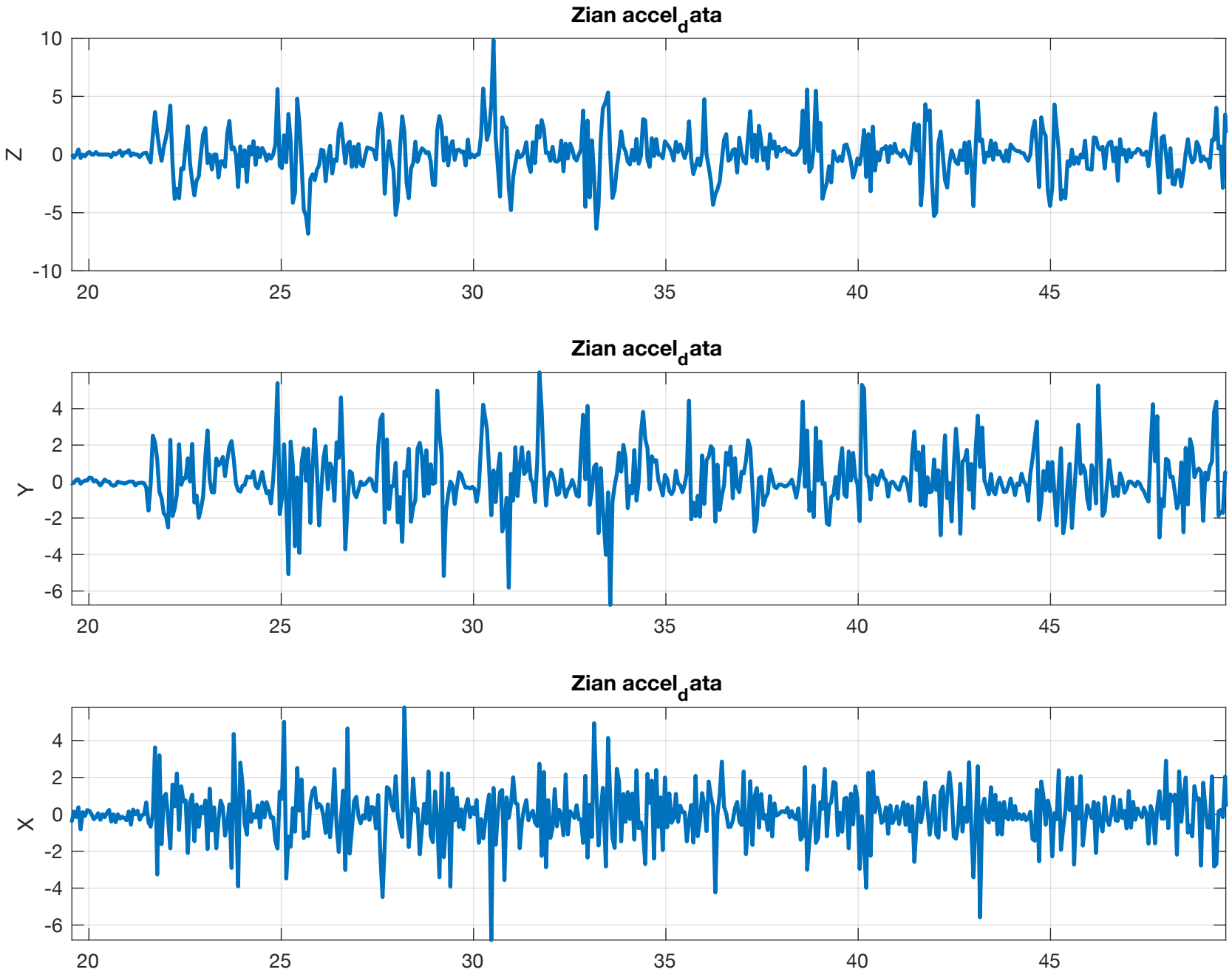
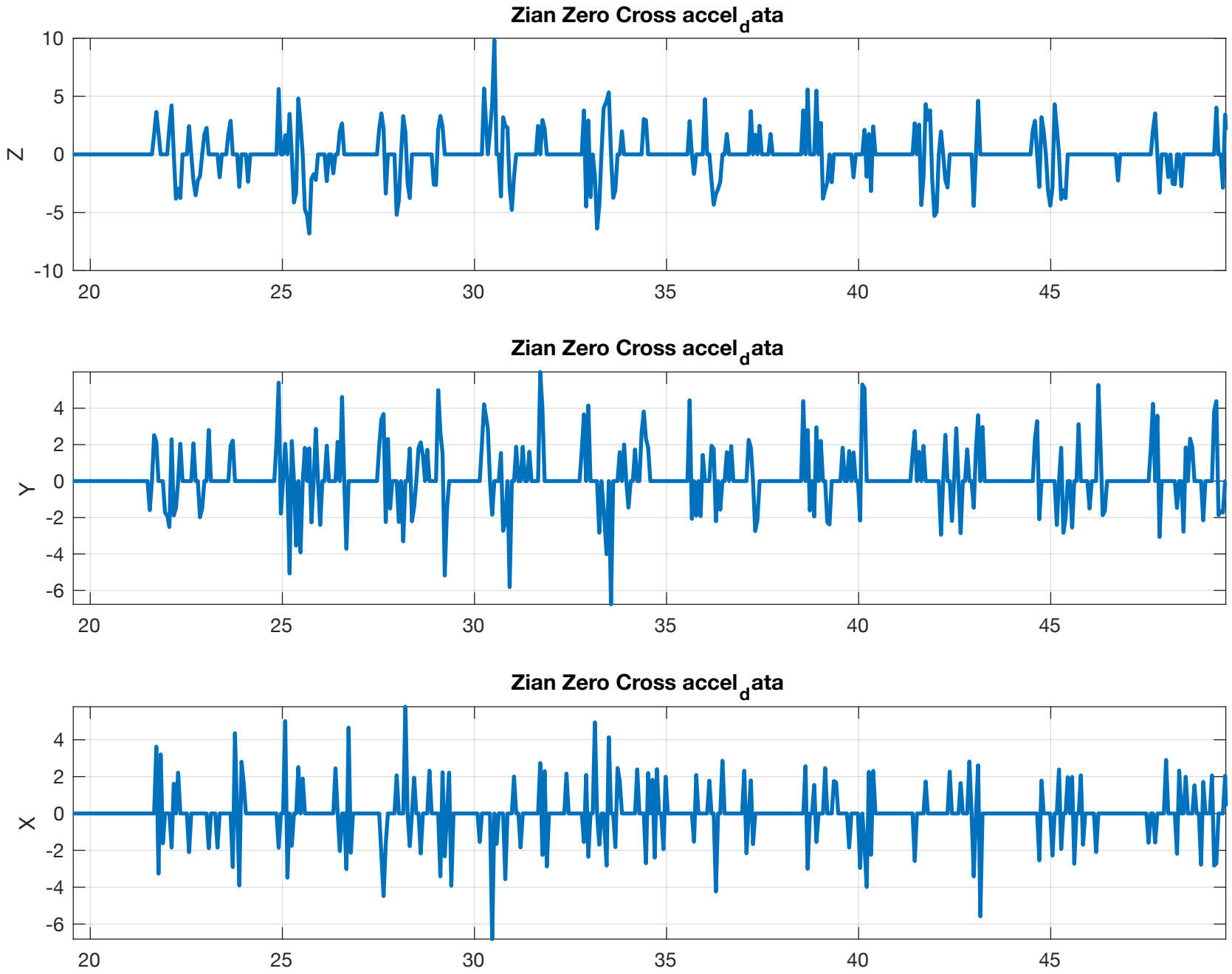
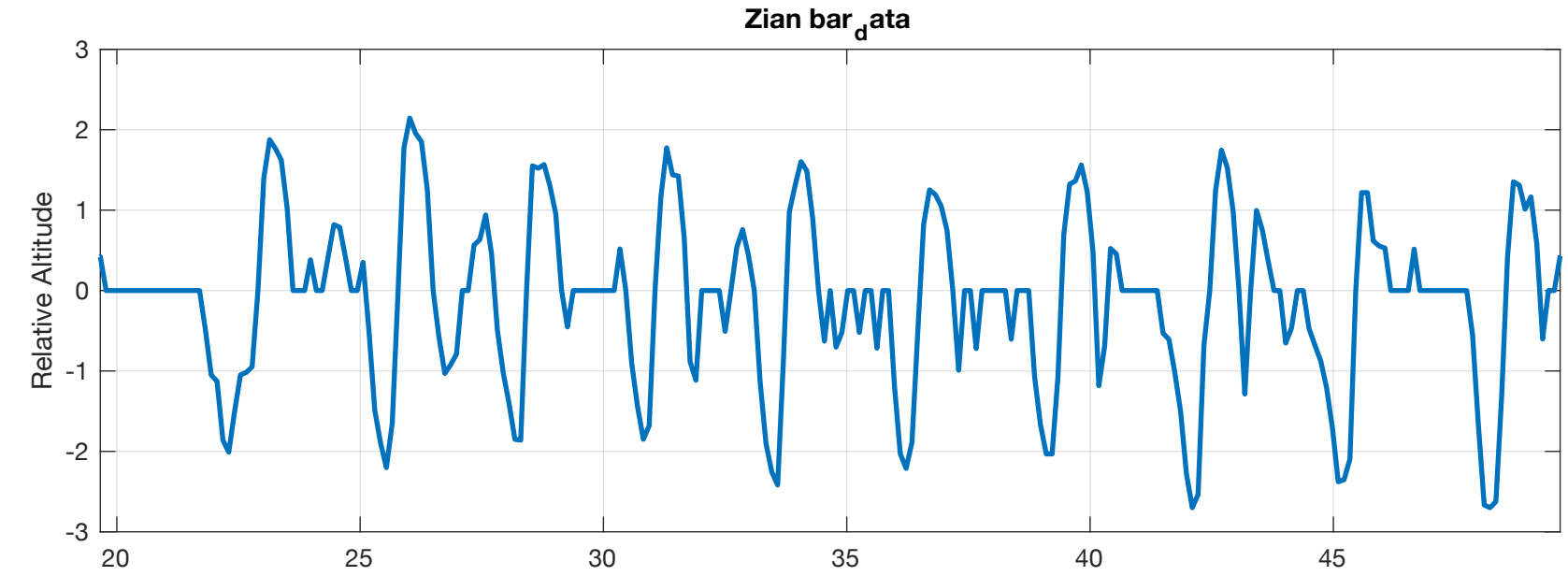
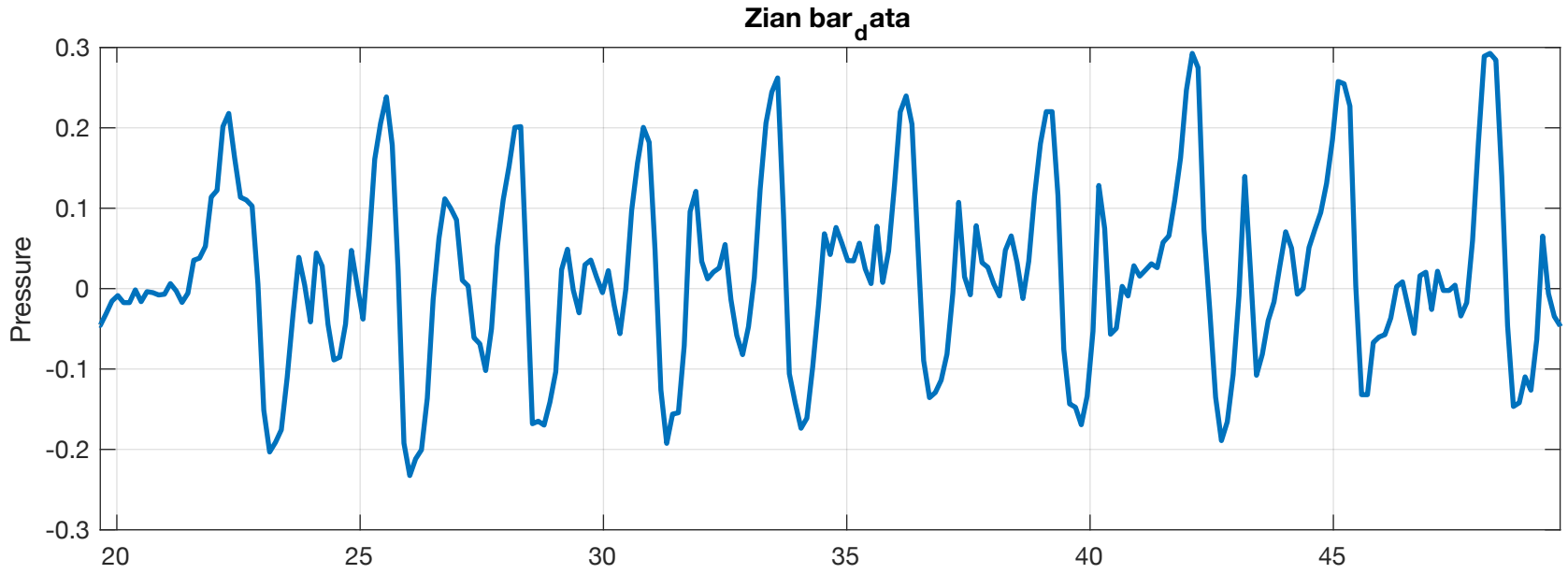
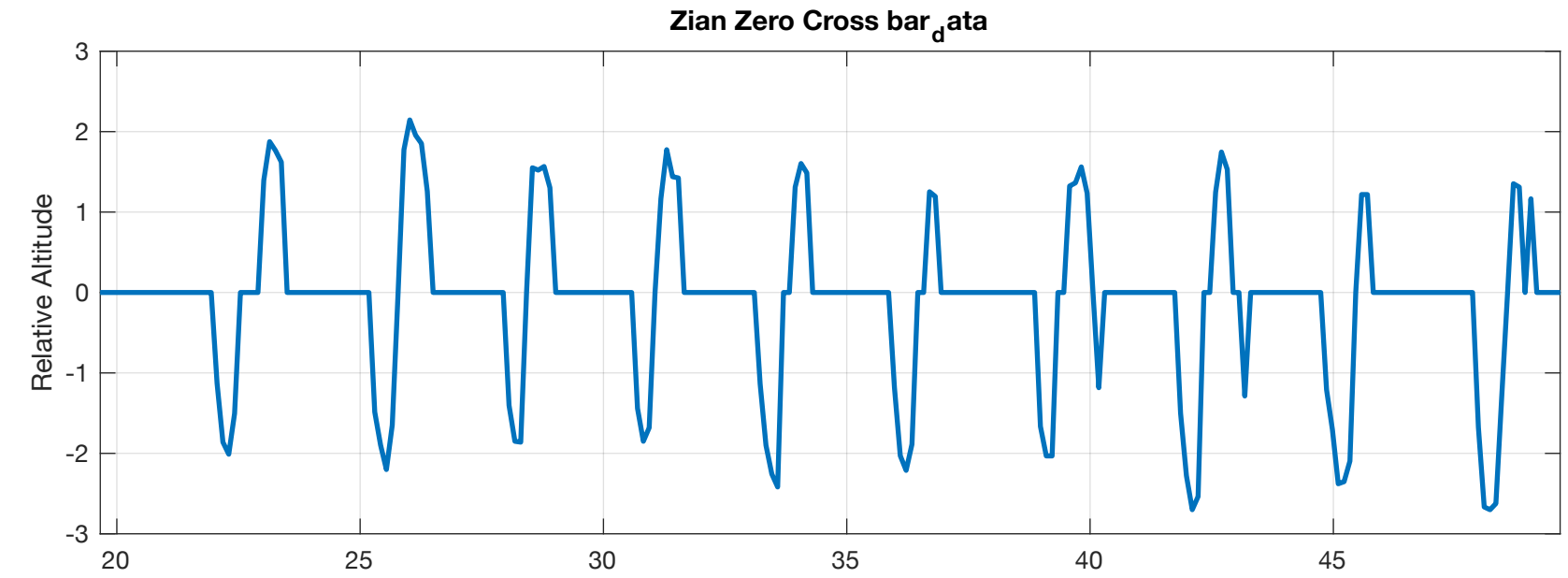

Zian accel_data
Z
10
5
0
-5
-10
20
25
30
35
40
45
Zian accel_data
Y
4
2
0
-2
-4
-6
20
25
30
35
40
45
Zian accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

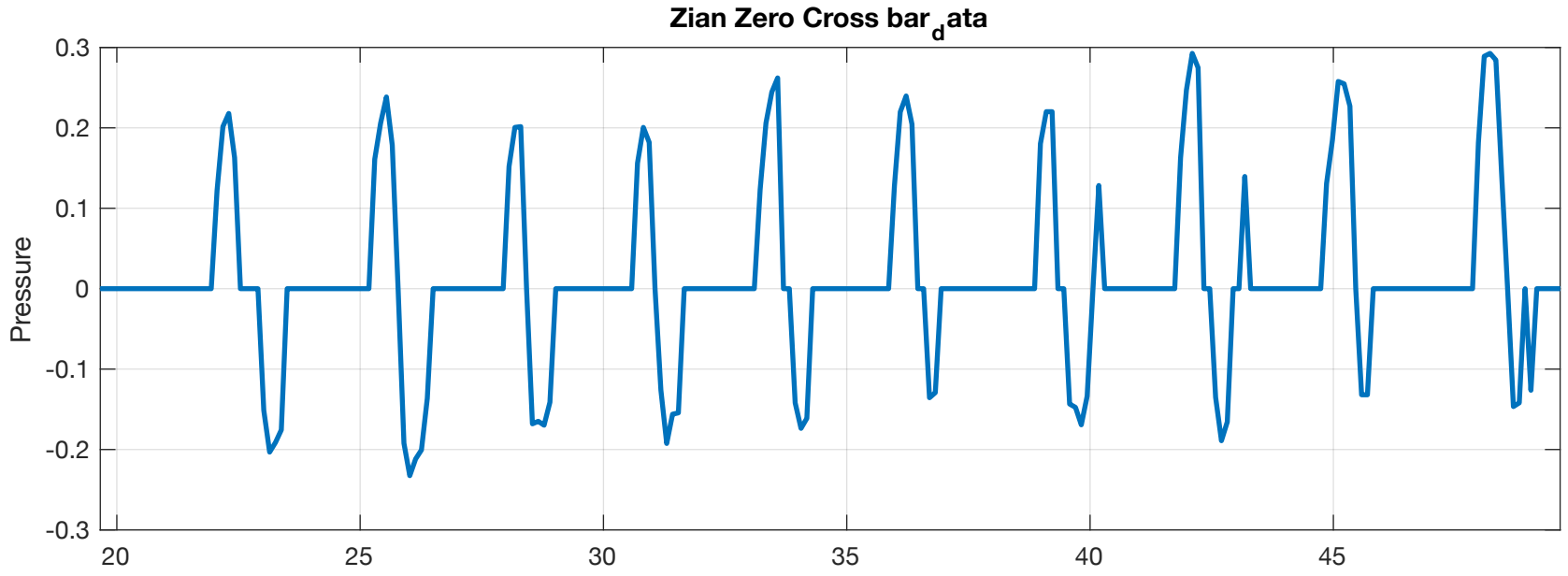

Zian Zero Cross accel_data
Z
10
5
0
-5
-10
20
25
30
35
40
45
Zian Zero Cross accel_data
Y
4
2
0
-2
-4
-6
20
25
30
35
40
45
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-398.000	-352.000	-118.000	-82.250	"accel_data"
'Y'	-386.000	-306.000	-109.000	-92.000	"accel_data"
'X'	-456.000	-413.000	-130.000	-115.500	"accel_data"

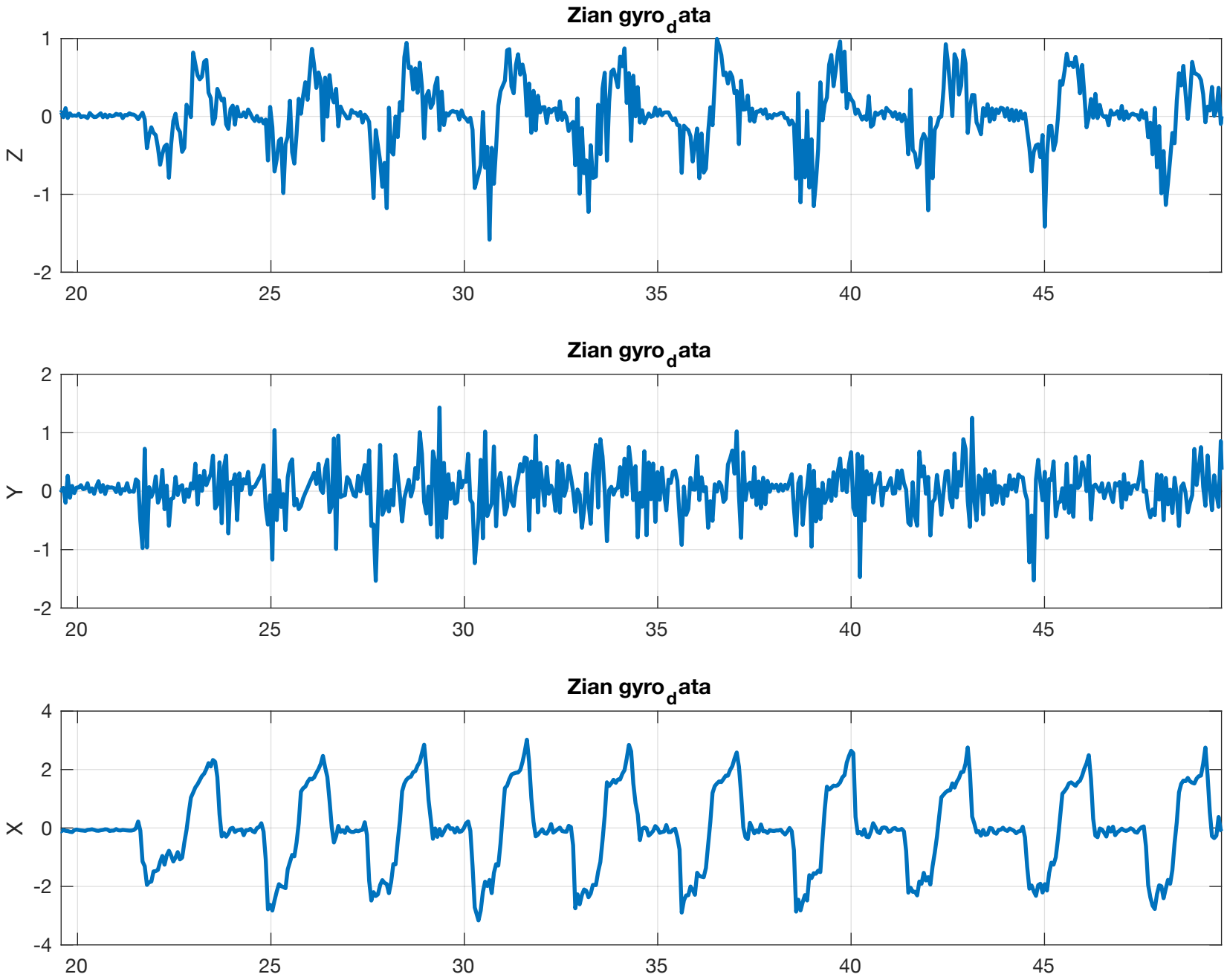

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
20
25
30
35
40
45

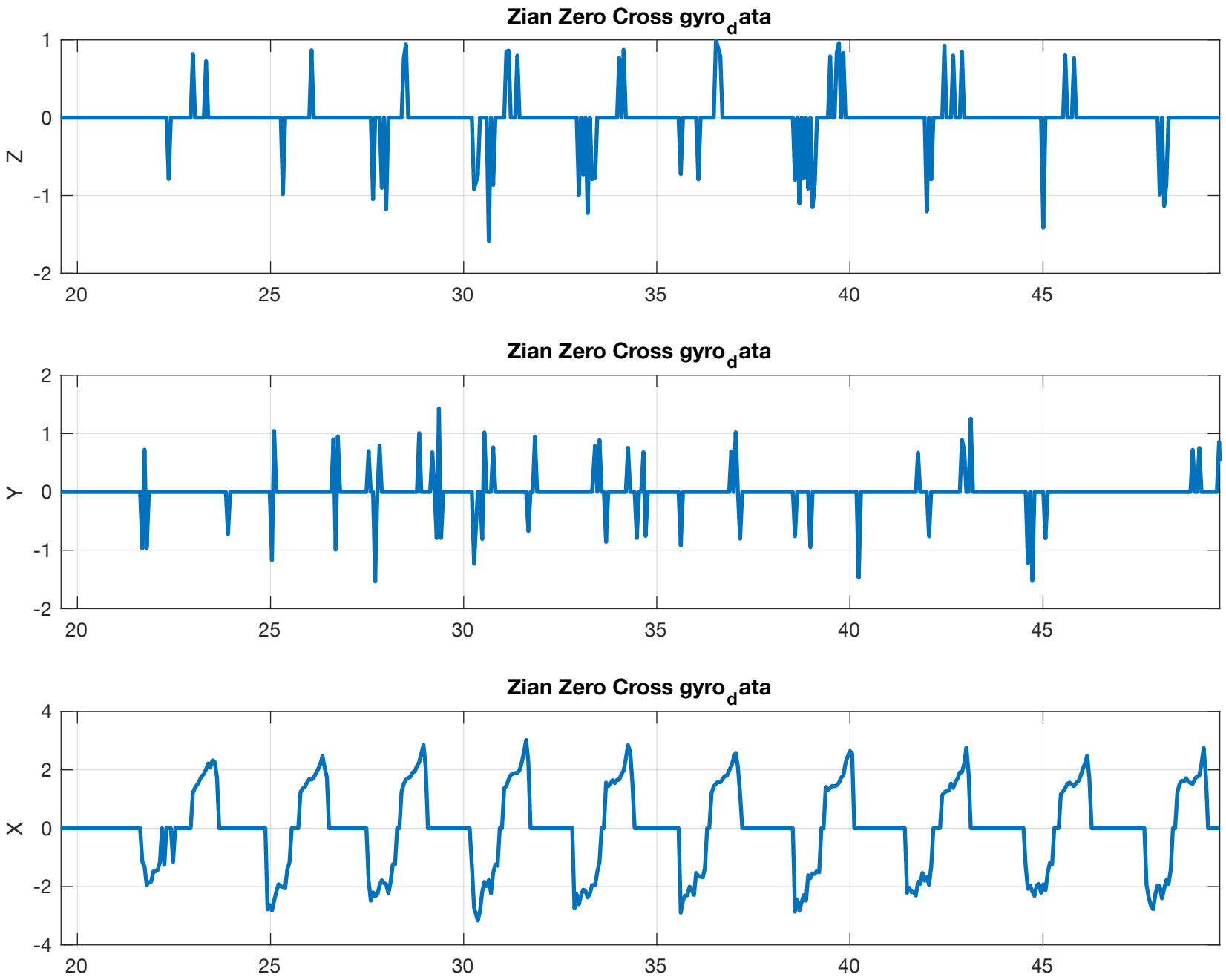

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45


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

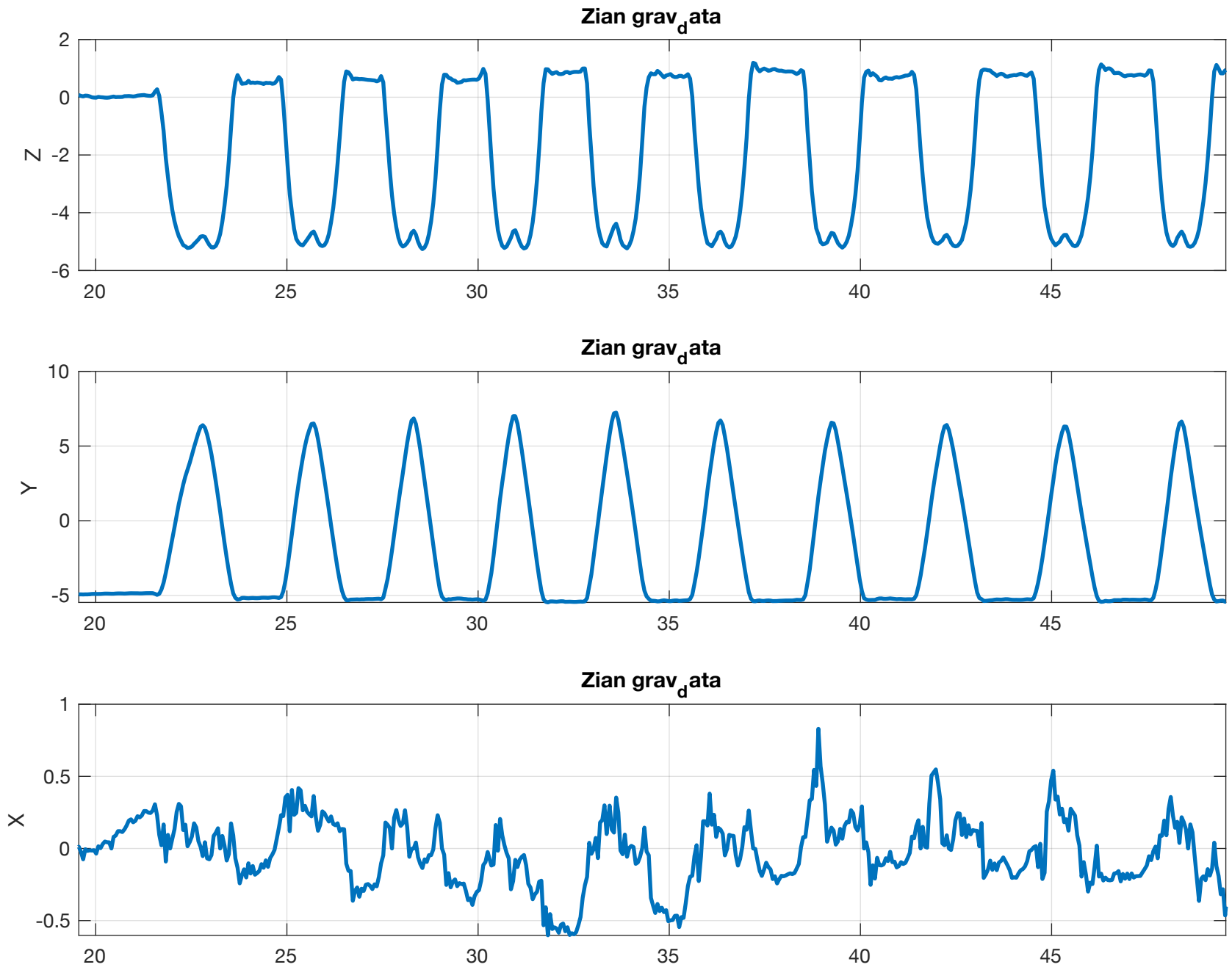

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45

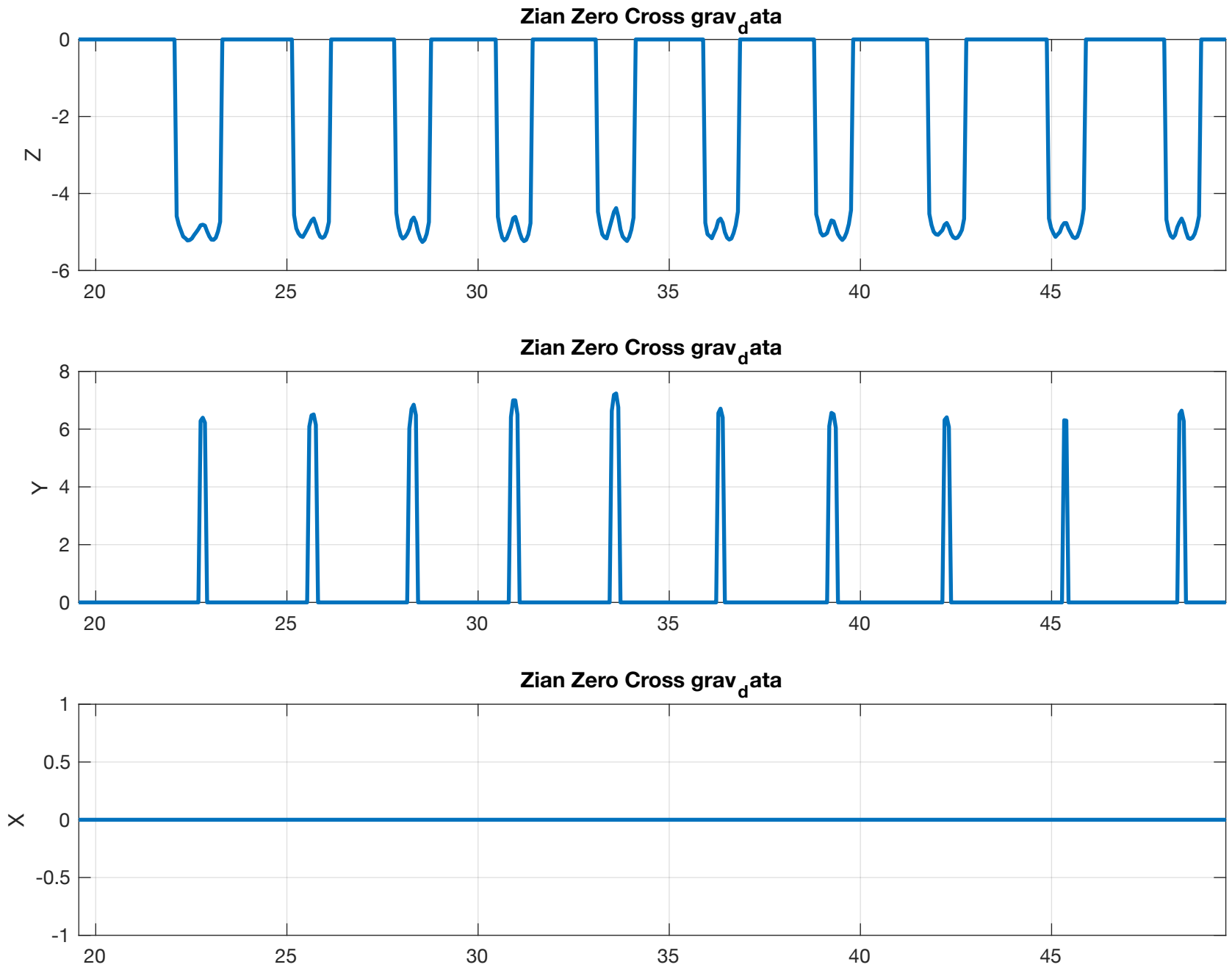
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-70.000	-51.000	-11.000	-13.000	"bar_data"
"Pressure"	-93.000	-68.000	-17.000	-13.000	"bar_data"


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

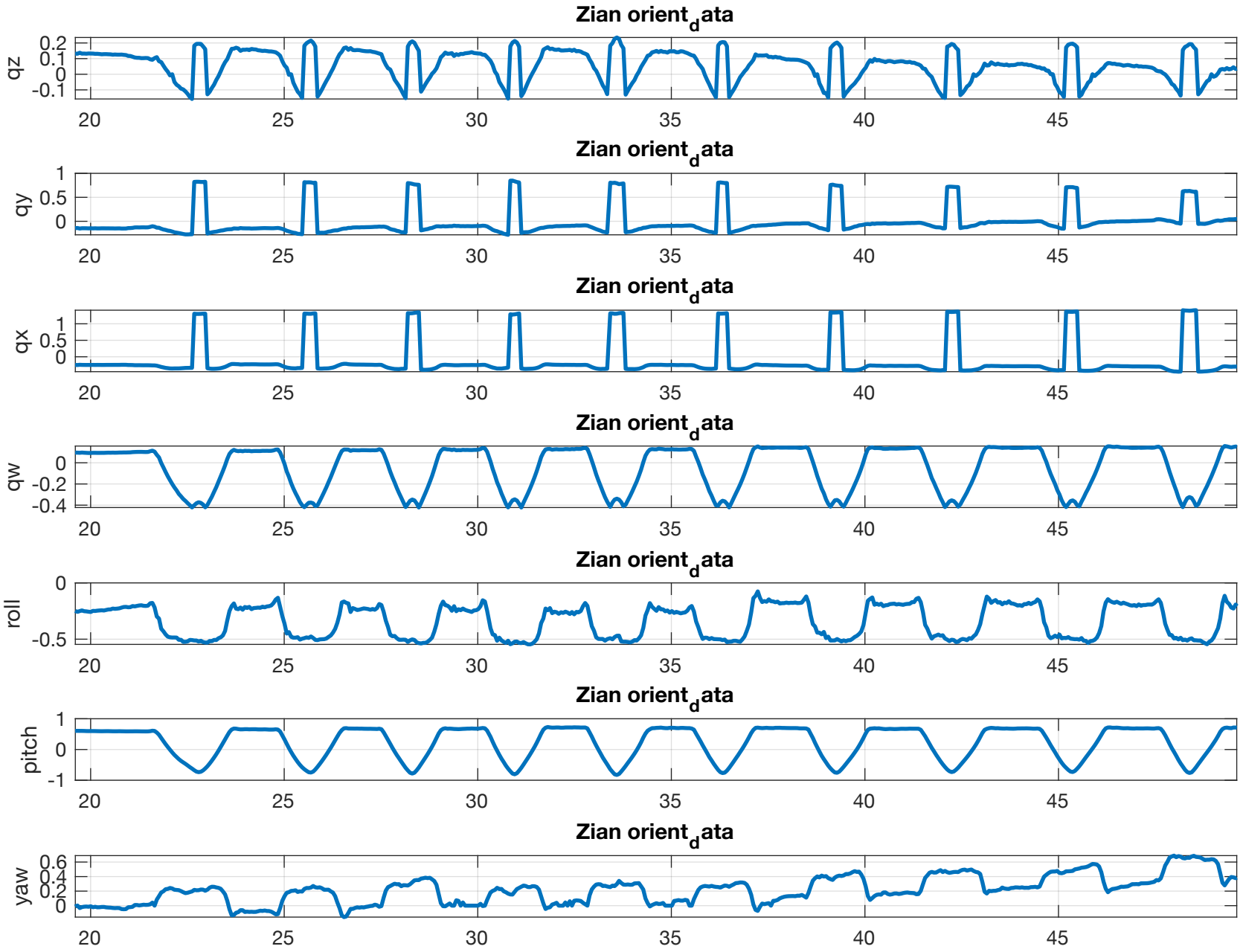

Zian Zero Cross gyro_data
Z
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
X
4
2
0
-2
-4
20
25
30
35
40
45

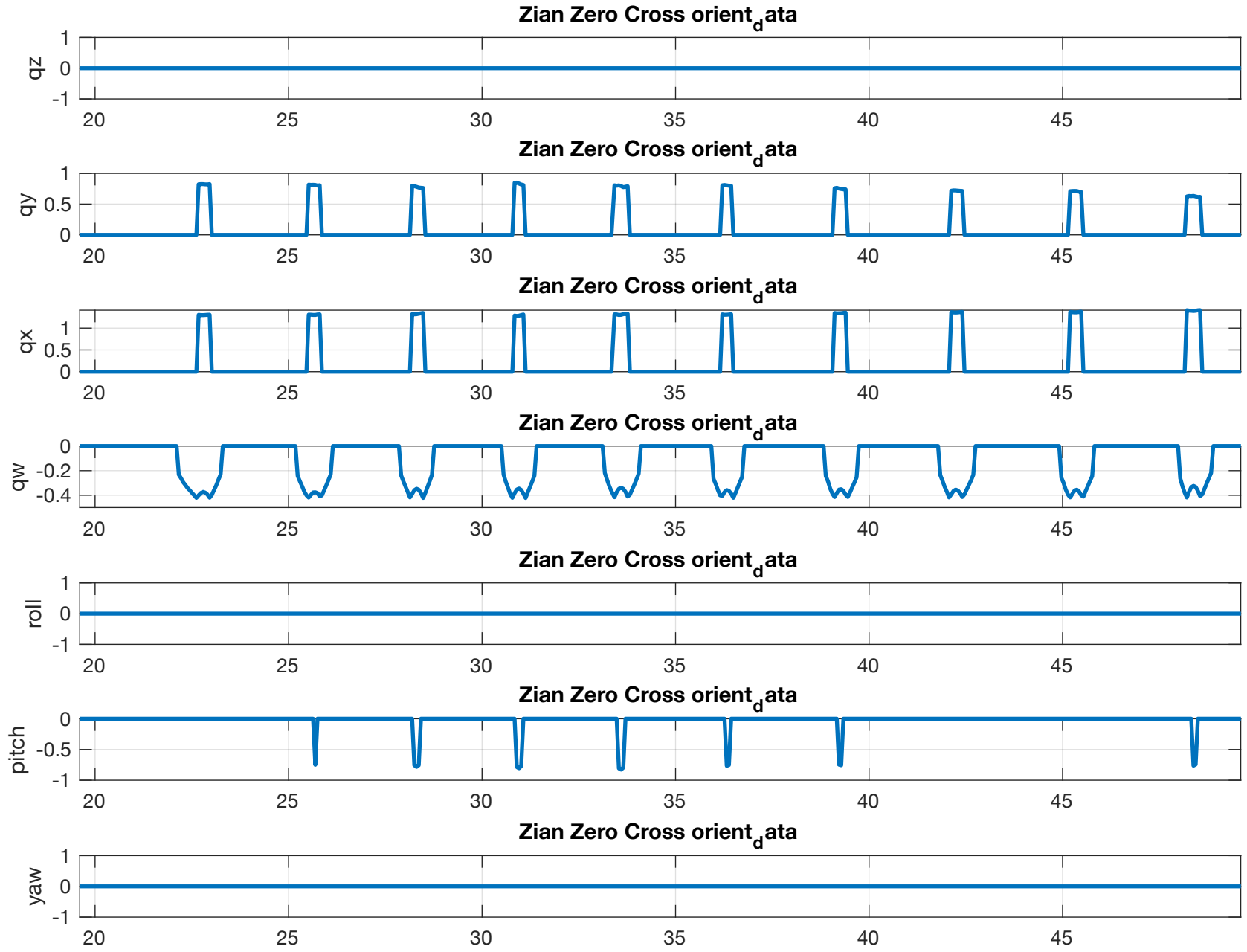
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-413.000	-333.000	-98.000	-32.500	"gyro_data"
'Y'	-448.000	-395.000	-127.000	-47.500	"gyro_data"
'X'	-303.000	-146.000	-58.000	-13.500	"gyro_data"


Zian grav_data
Z
2
0
-2
-4
-6
20
25
30
35
40
45
Zian grav_data
Y
10
5
0
-5
20
25
30
35
40
45
Zian grav_data
X
1
0.5
0
-0.5
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
8
6
4
2
0
20
25
30
35
40
45
Zian Zero Cross grav_data
X
1
0.5
0
-0.5
-1
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-152.000	-128.000	-30.000	4.750	"grav_data"
'Y'	-126.000	-22.000	-6.000	5.750	"grav_data"
'X'	-293.000	-122.000	-34.000	7.750	"grav_data"


Zian orientdata
qz
0.2
0.1
0
-0.1
20
25
30
35
40
45
Zian orientdata
qy
1
0.5
0
20
25
30
35
40
45
Zian orientdata
qx
1
0.5
0
20
25
30
35
40
45
Zian orientdata
qw
0
-0.2
-0.4
20
25
30
35
40
45
Zian orientdata
roll
0
-0.5
20
25
30
35
40
45
Zian orientdata
pitch
1
0
-1
20
25
30
35
40
45
Zian orientdata
yaw
0.6
0.4
0.2
0
20
25
30
35
40
45


Zian Zero Cross orientdata
qz
1
0
-1
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
1
0.5
0
20
25
30
35
40
45
Zian Zero Cross orientdata
qw
0
-0.2
-0.4
20
25
30
35
40
45
Zian Zero Cross orientdata
roll
1
0
-1
20
25
30
35
40
45
Zian Zero Cross orientdata
pitch
0
-0.5
-1
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'	-205.000	-154.000	-33.000	11.750	"orient_data"
'qy'	-195.000	-79.000	-10.000	4.000	"orient_data"
'qx'	-180.000	-47.000	-9.000	5.750	"orient_data"
'qw'	-168.000	-140.000	-33.000	3.750	"orient_data"
'roll'	-253.000	-10.000	9.000	13.250	"orient_data"
'pitch'	-125.000	-104.000	-15.000	7.750	"orient_data"
'yaw'	-217.000	-163.000	-34.000	12.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	82.250
'bar_data'	"Relative Altitude"	'double_findpeaks'	11.000
'gyro_data'	"X"	'zero_cross'	13.500
'grav_data'	"Z"	'zero_cross'	4.750
'orient_data'	"qw"	'zero_cross'	3.750