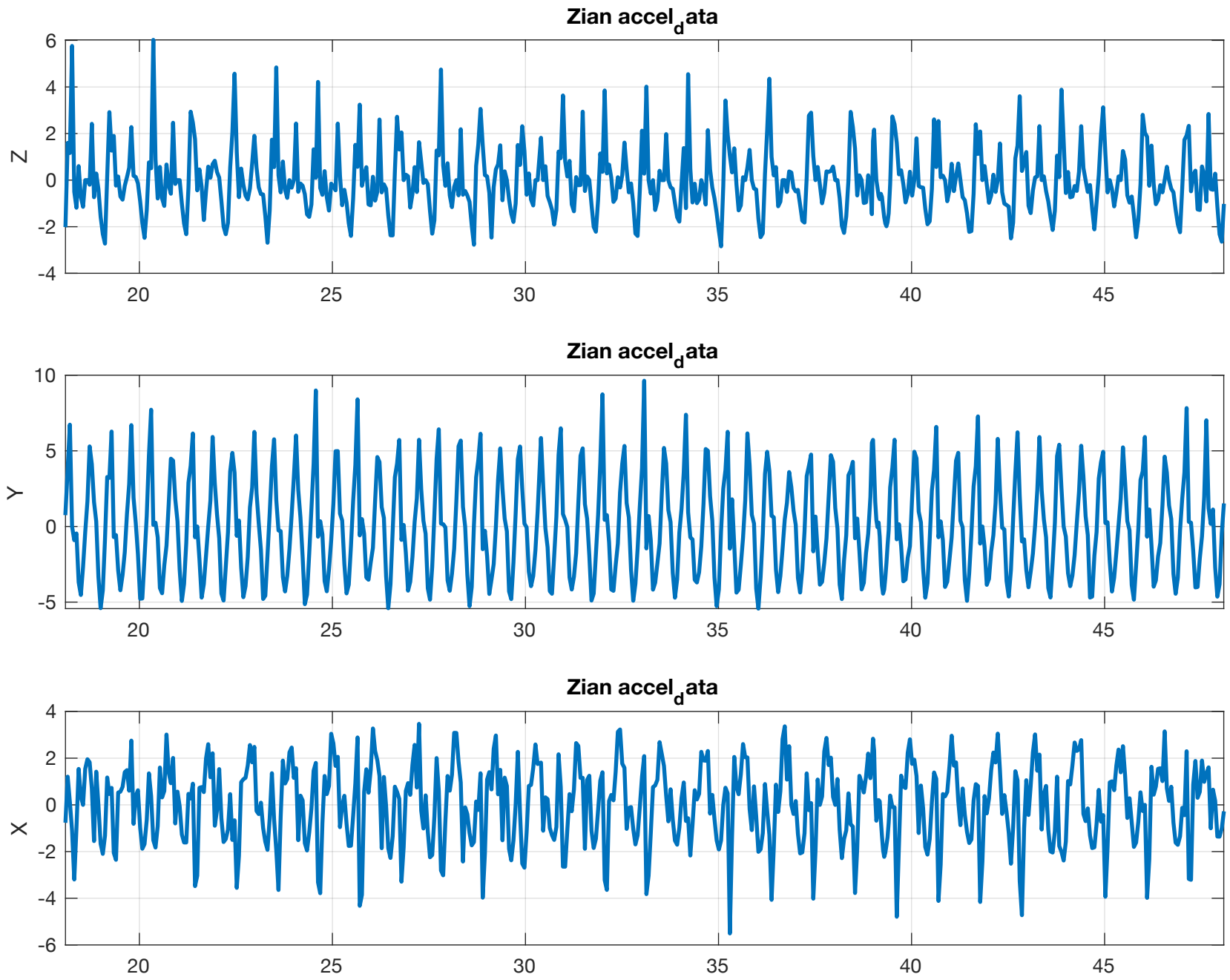
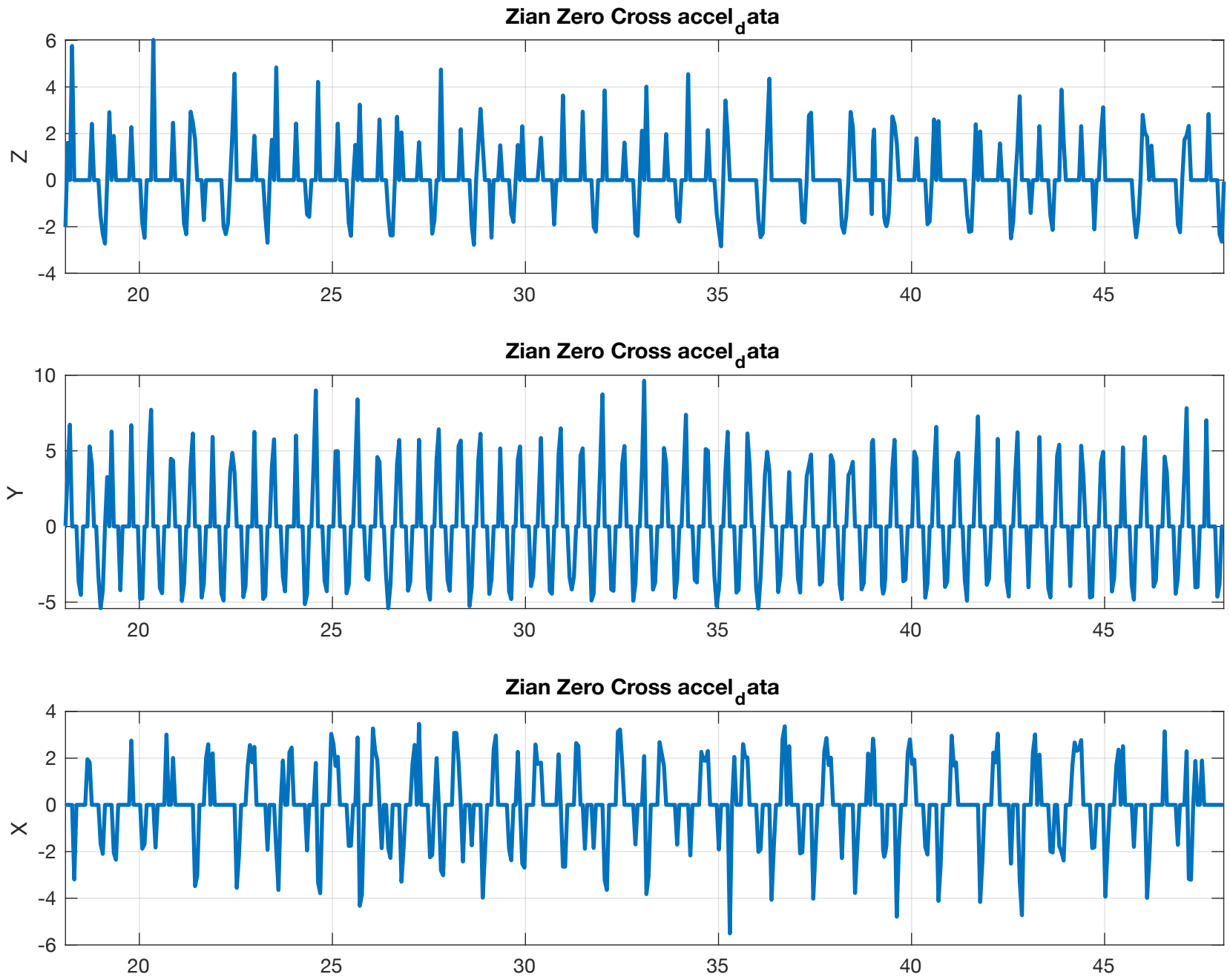
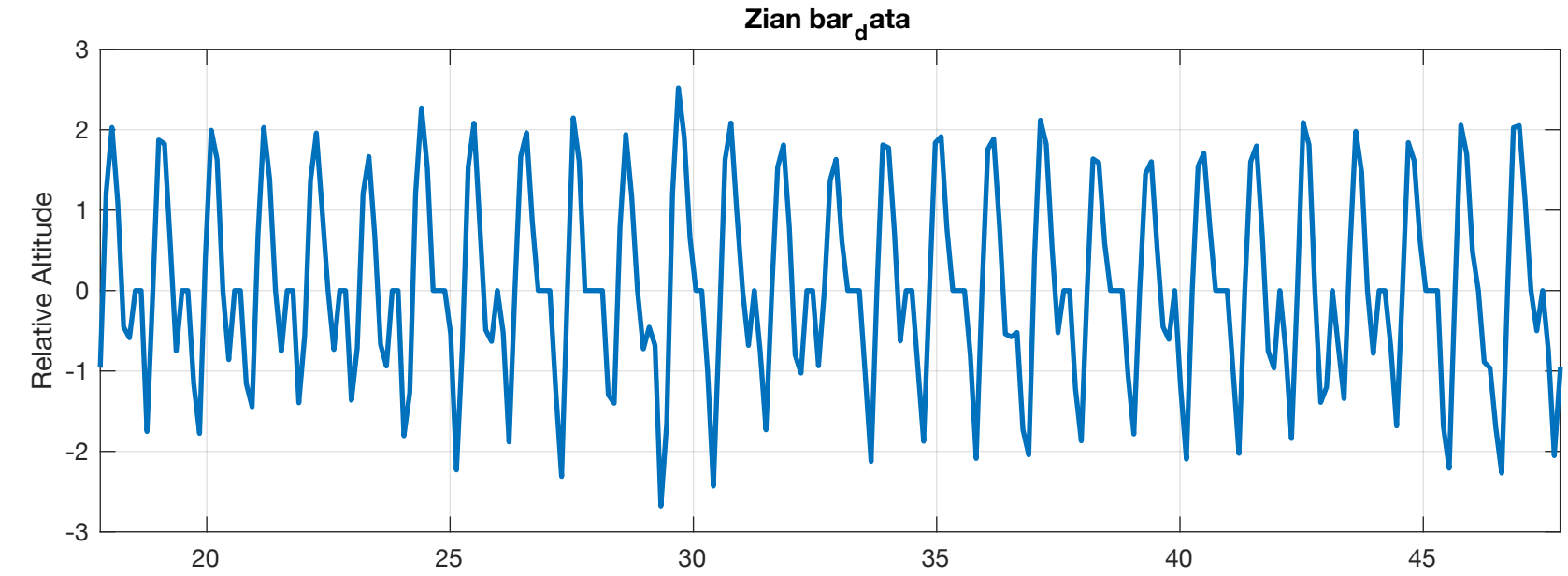
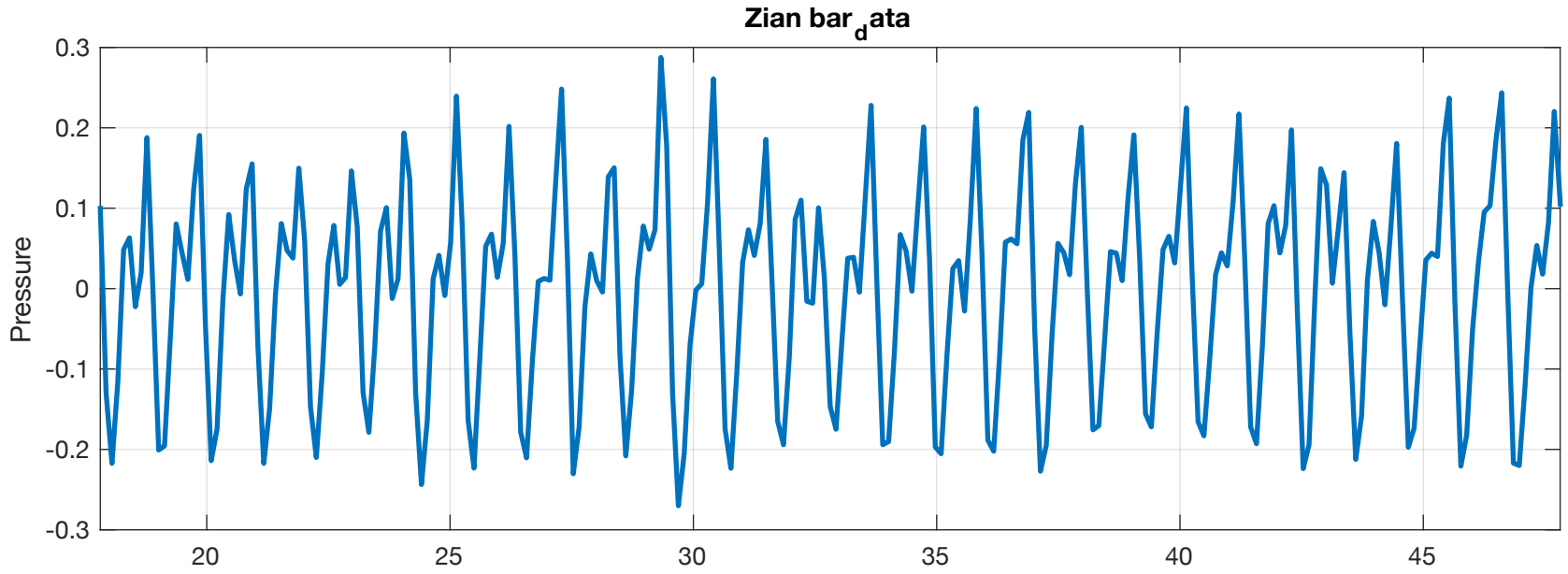
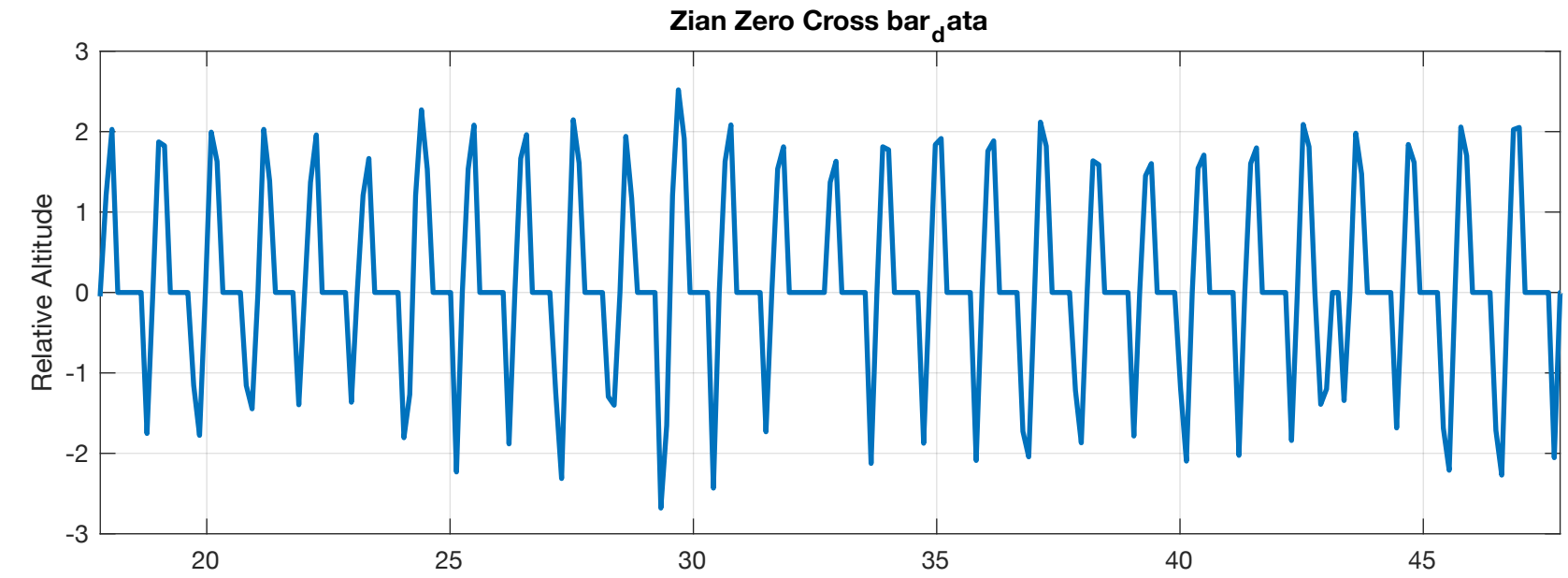

Zian accel_data
Z
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian accel_data
Y
10
5
0
-5
20
25
30
35
40
45
Zian accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

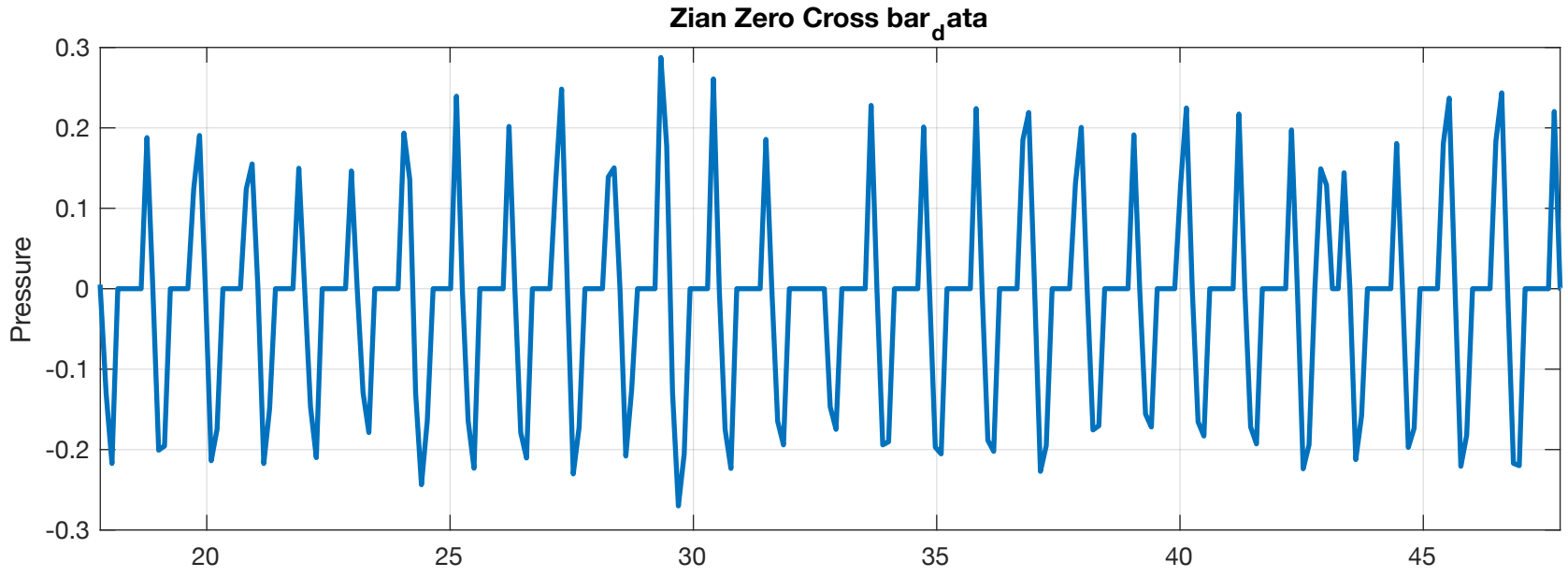

Zian Zero Cross accel_data
Z
6
4
2
0
-2
-4
20
25
30
35
40
45
Zian Zero Cross accel_data
Y
10
5
0
-5
20
25
30
35
40
45
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-154	-113	14	18.5000	"accel_data"
'Y'	-41	-30	52	0	"accel_data"
'X'	-149	-132	20	9.7500	"accel_data"

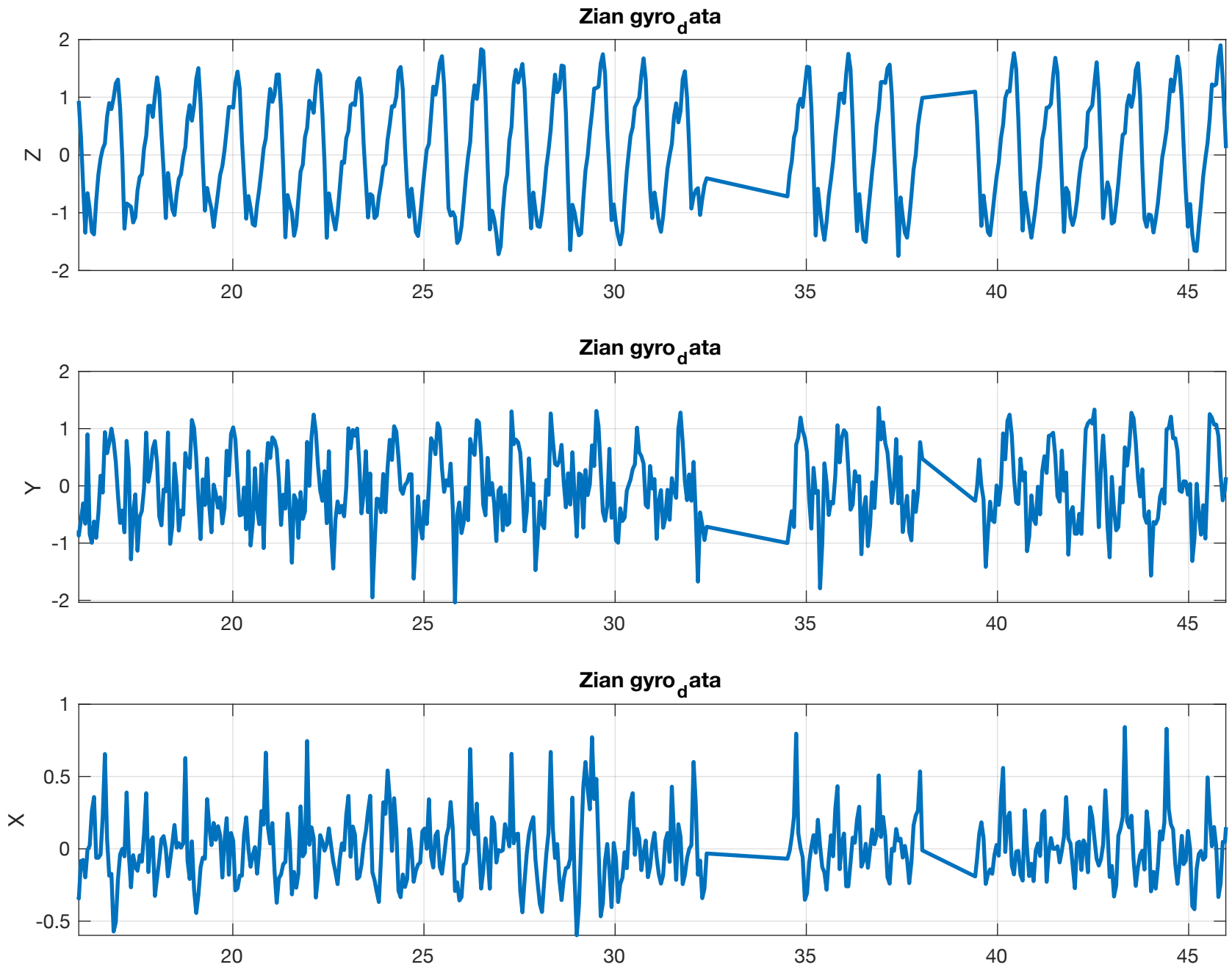

Zian bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
20
25
30
35
40
45

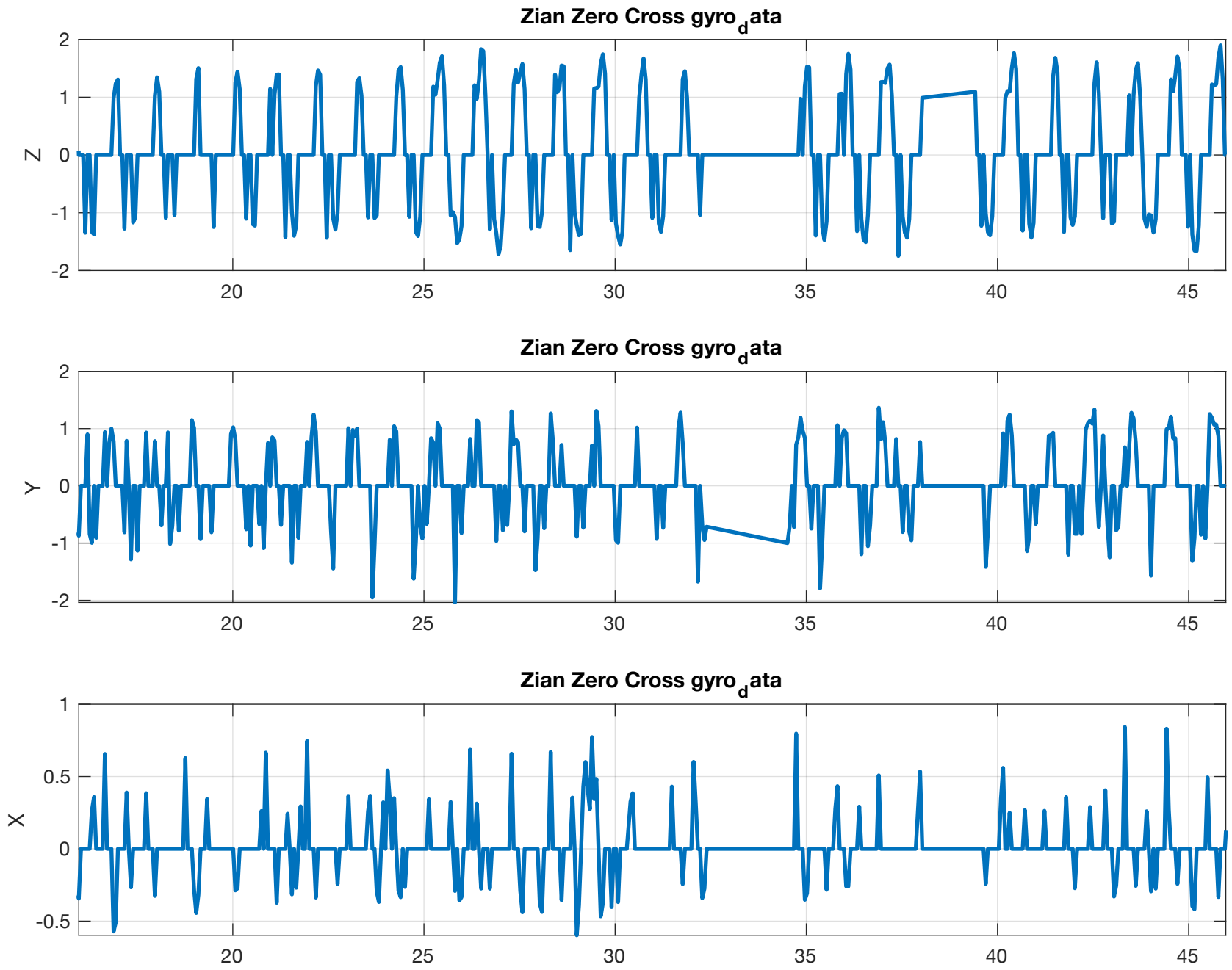

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45


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

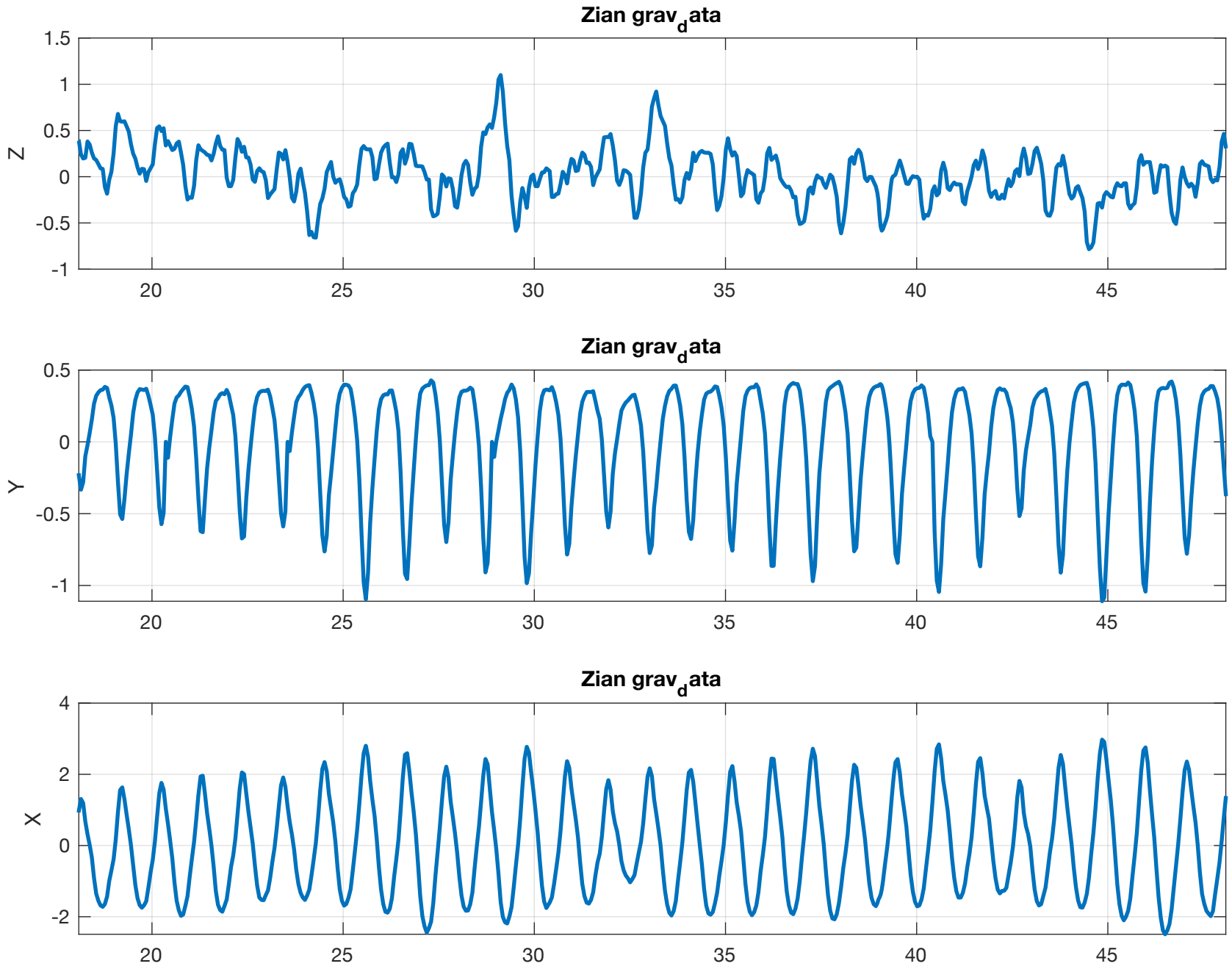

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
20
25
30
35
40
45

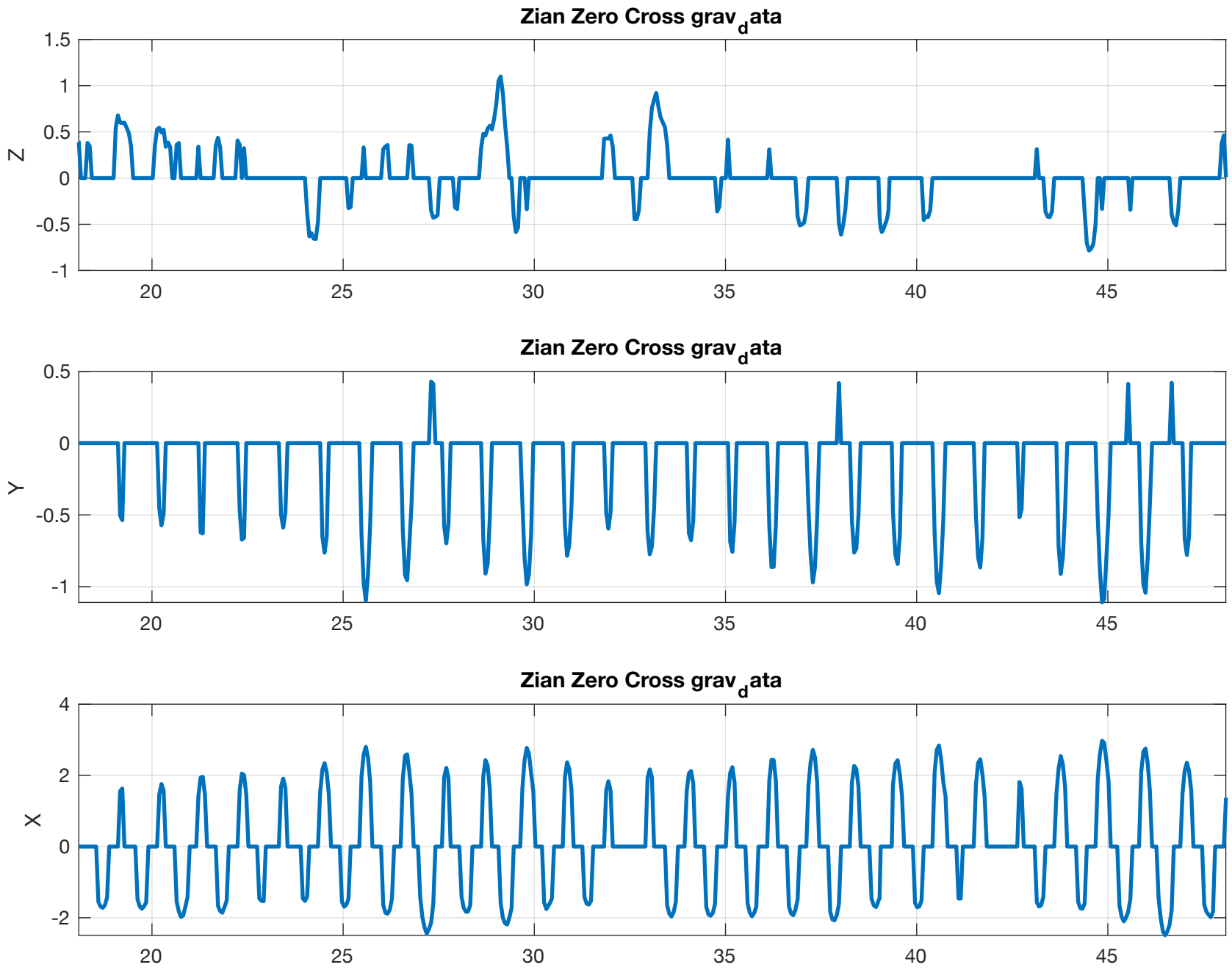
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	19	51	69	51	"bar_data"
"Pressure"	-1	0	55	51	"bar_data"


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

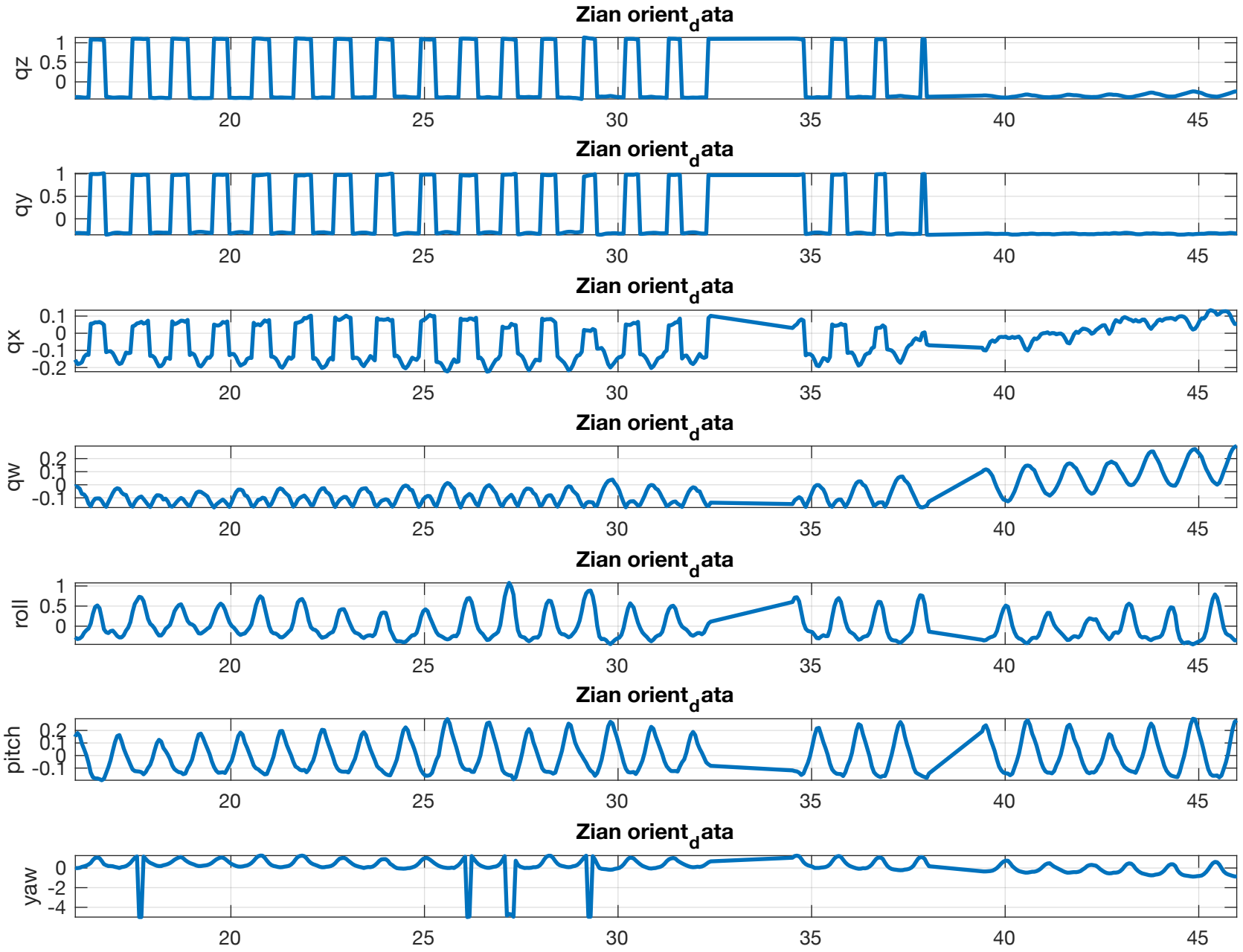

Zian Zero Cross gyro_data
Z
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
Y
2
1
0
-1
-2
20
25
30
35
40
45
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
20
25
30
35
40
45

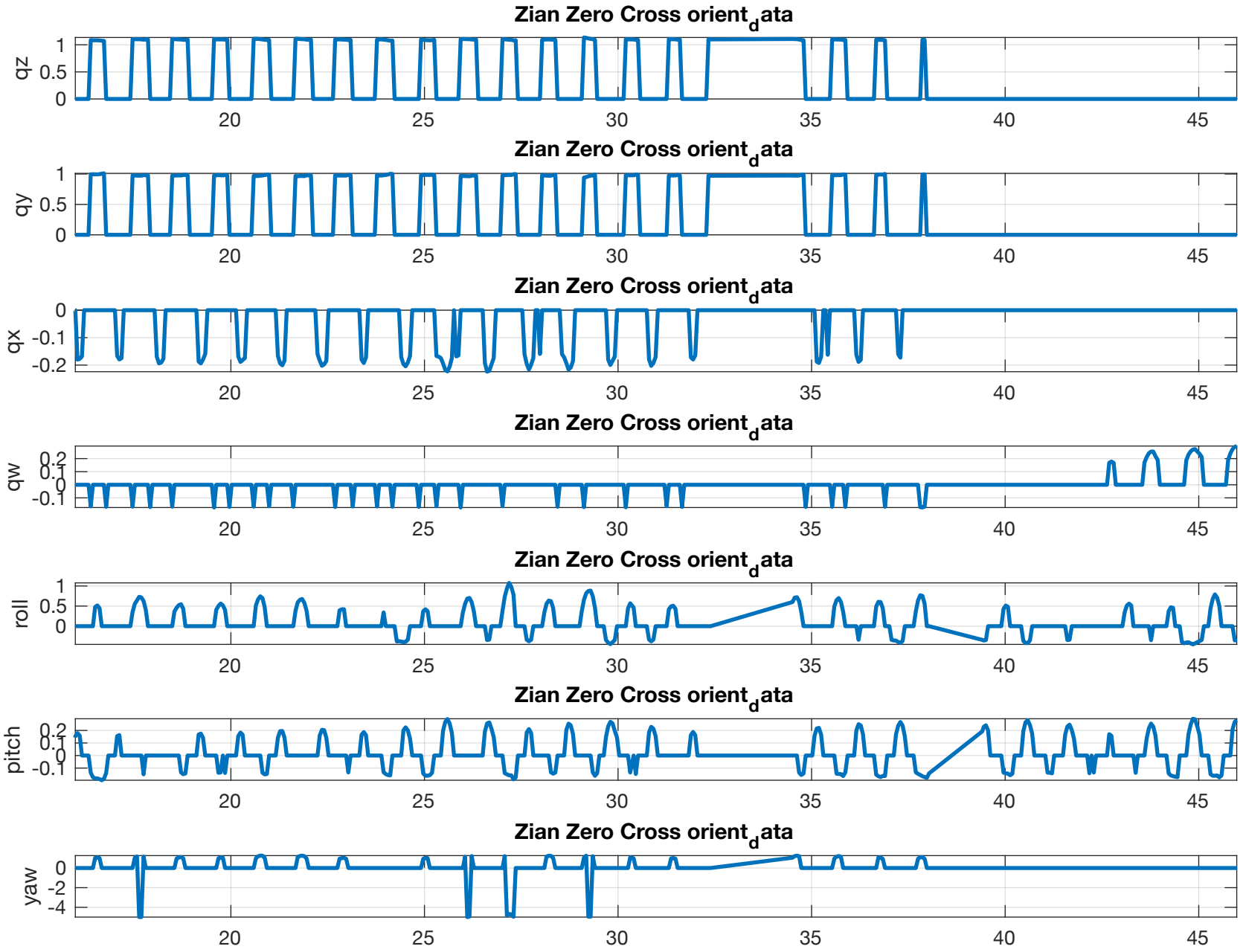
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-31	12	57	38.7500	"gyro_data"
'Y'	-144	-81	31	13.5000	"gyro_data"
'X'	-115	-81	25	26.5000	"gyro_data"


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
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
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'	-69	-19	56	69.2500	"grav_data"
'Y'	29	34	76	73.5000	"grav_data"
'X'	48	50	87	52.5000	"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
0.1
0
-0.1
20
25
30
35
40
45
Zian orientdata
yaw
0
-2
-4
20
25
30
35
40
45


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

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-18	47	71	85.5000	"orient_data"
'qy'	-45	43	69	85.5000	"orient_data"
'qx'	-57	-8	55	81.7500	"orient_data"
'qw'	19	75	90	74.7500	"orient_data"
'roll'	29	54	75	69.2500	"orient_data"
'pitch'	41	57	83	59	"orient_data"
'yaw'	31	42	83	75.2500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	0
'bar_data'	"Pressure"	'findpeaks_above_zero'	0
'gyro_data'	"Z"	'findpeaks_above_zero'	12
'grav_data'	"Z"	'findpeaks_above_zero'	19
'orient_data'	"qx"	'findpeaks_above_zero'	8