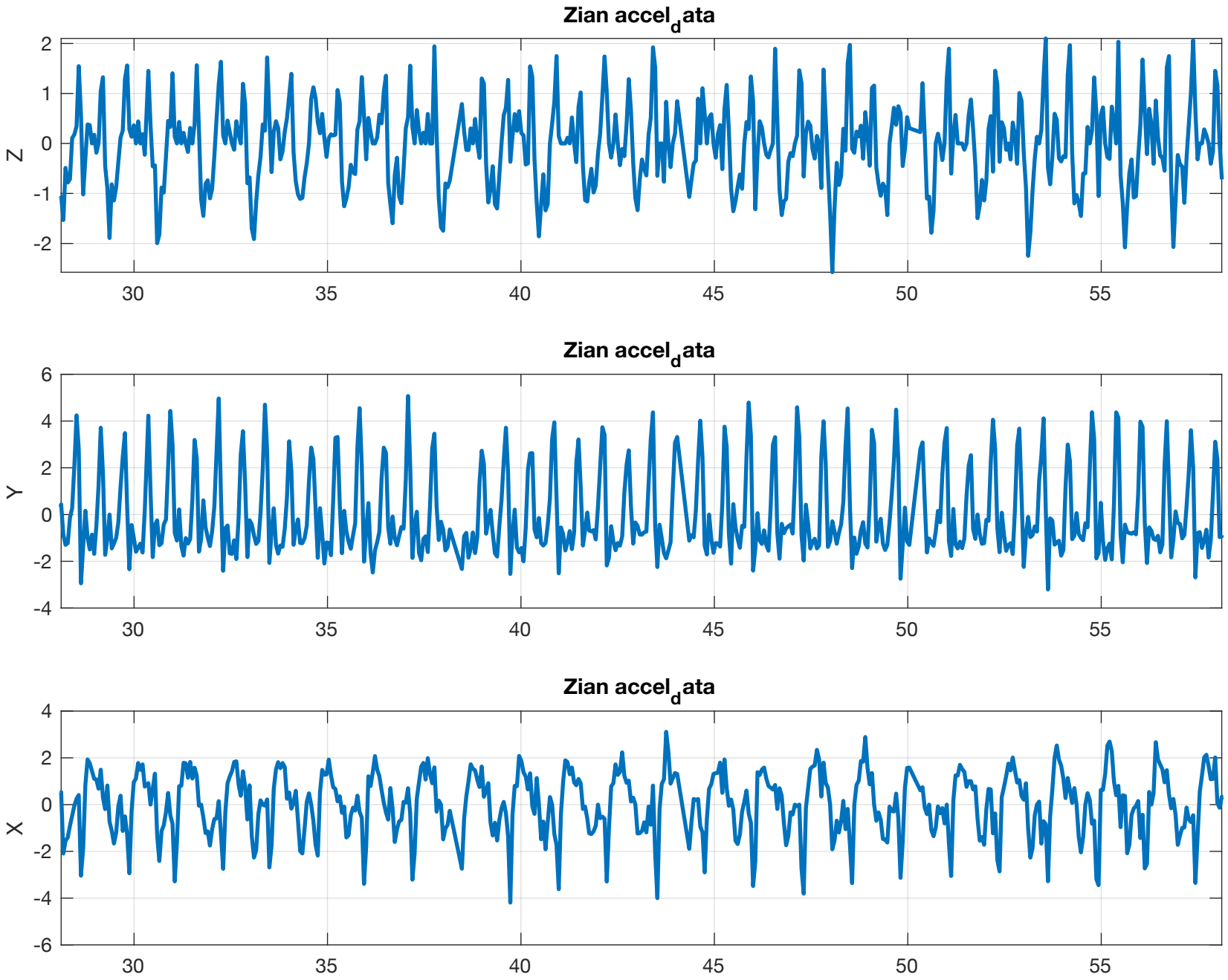
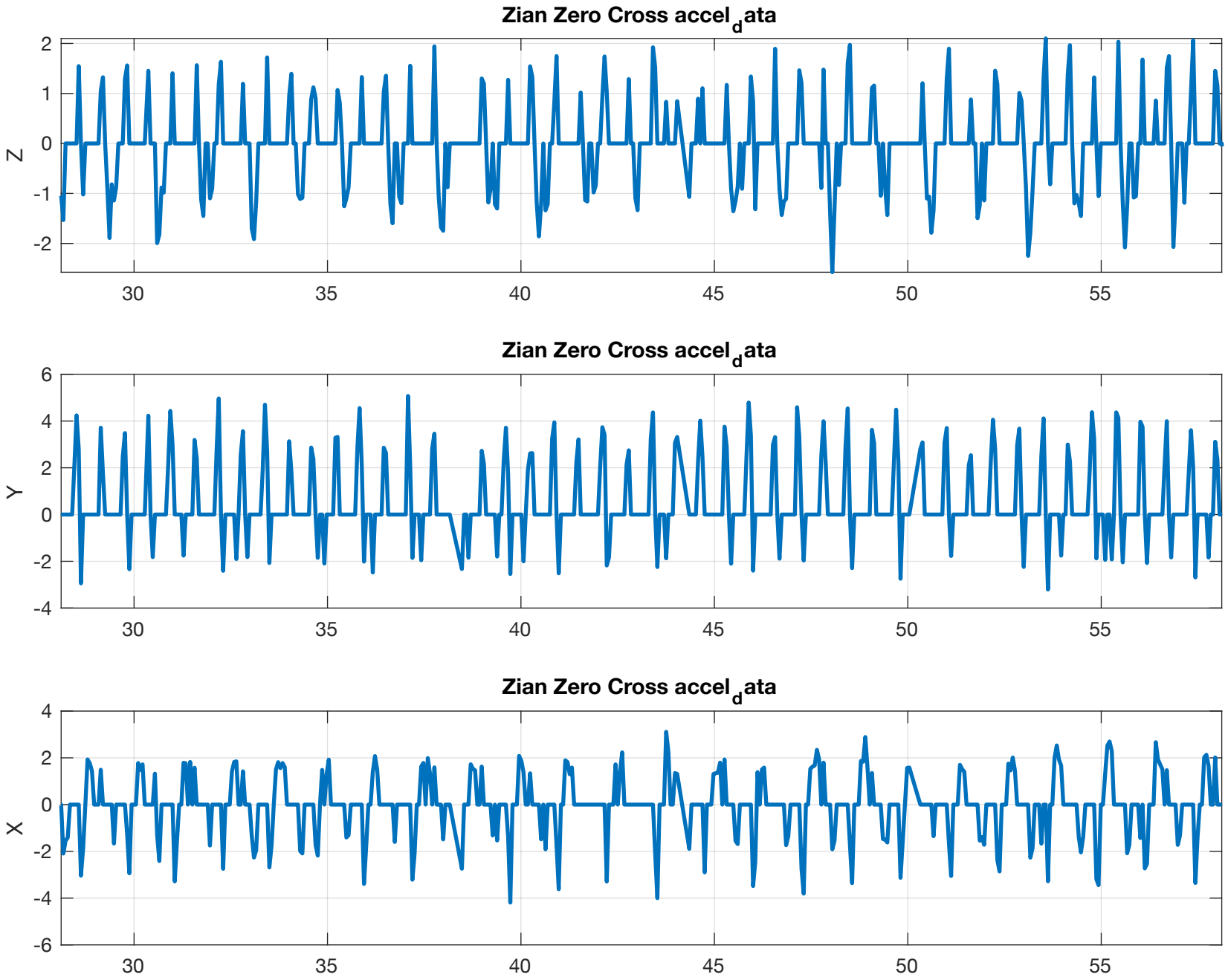
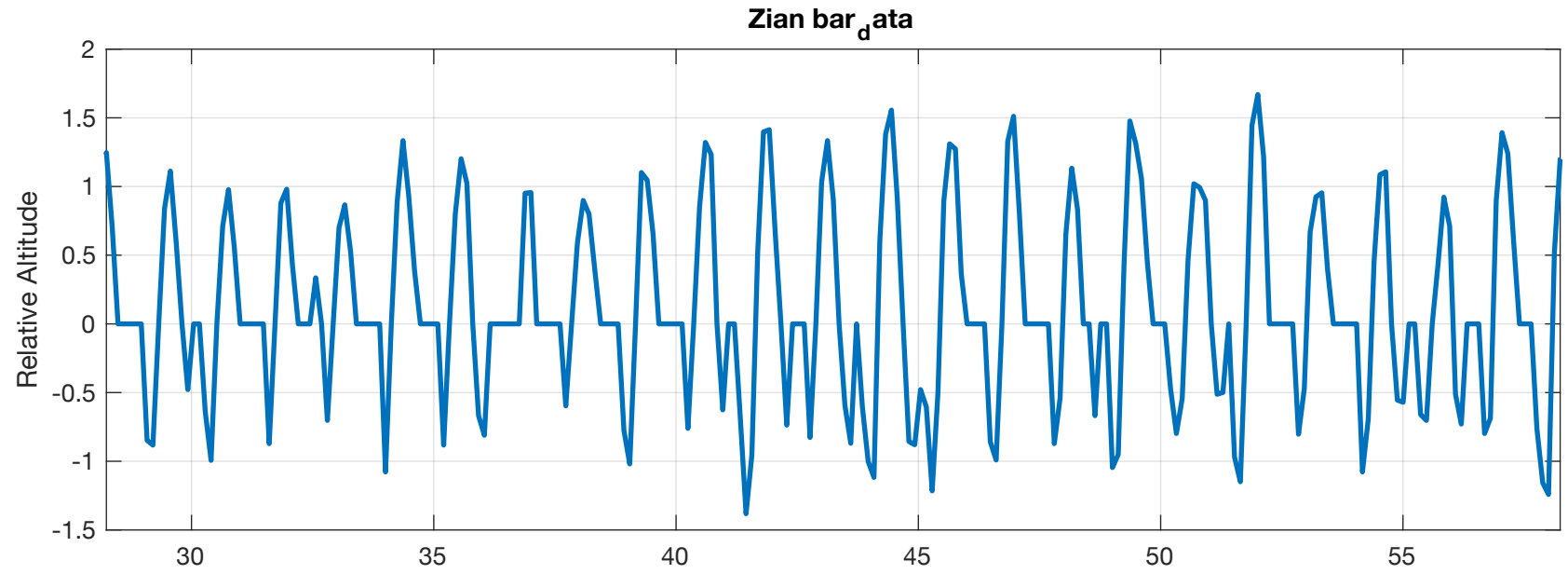
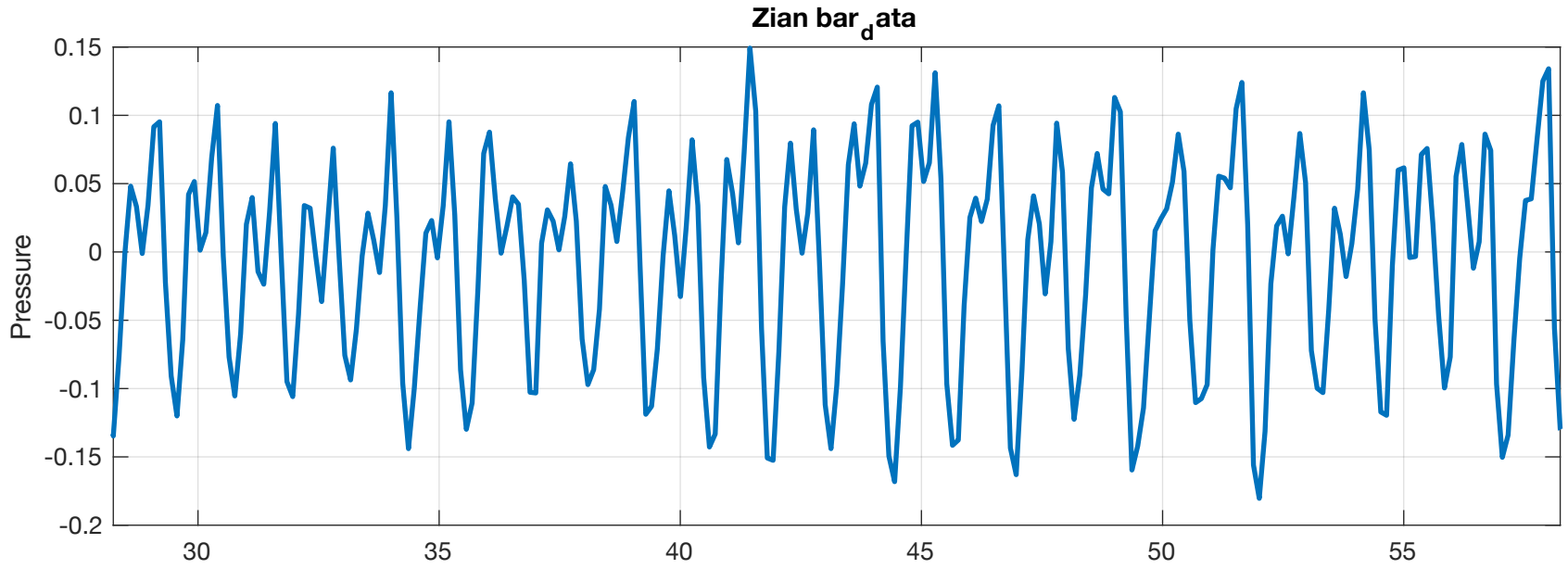
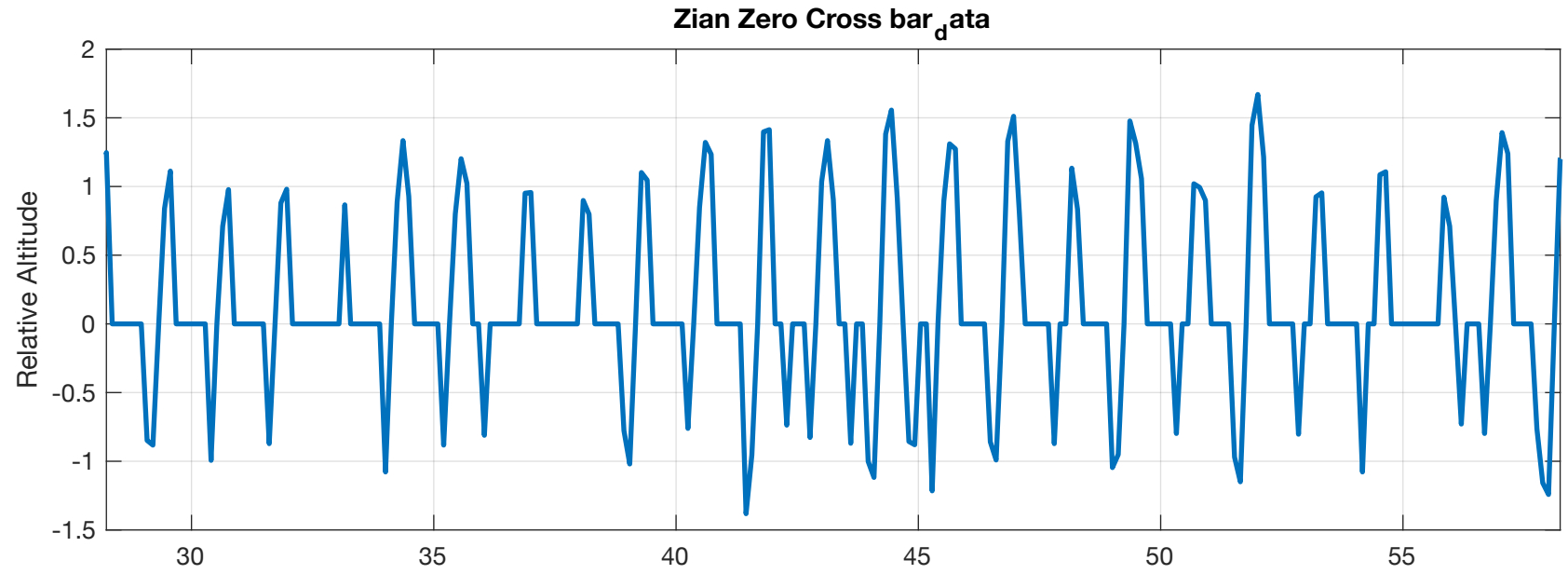

Zian accel_data
Z
2
1
0
-1
-2
30
35
40
45
50
55
Zian accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian accel_data
X
4
2
0
-2
-4
-6
30
35
40
45
50
55

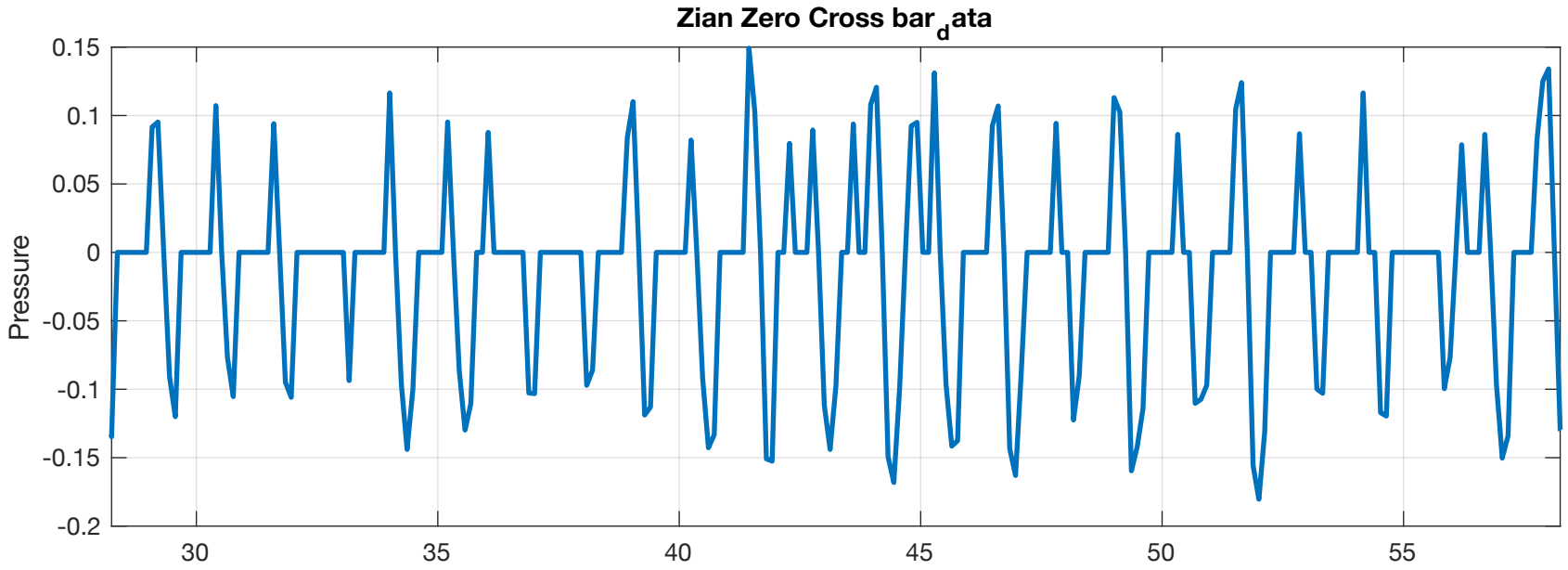

Zian Zero Cross accel_data
Z
2
1
0
-1
-2
30
35
40
45
50
55
Zian Zero Cross accel_data
Y
6
4
2
0
-2
-4
30
35
40
45
50
55
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-173	-115	1	4.7500	"accel_data"
'Y'	-165	-42	2	11.5000	"accel_data"
'X'	-191	-119	30	4.5000	"accel_data"

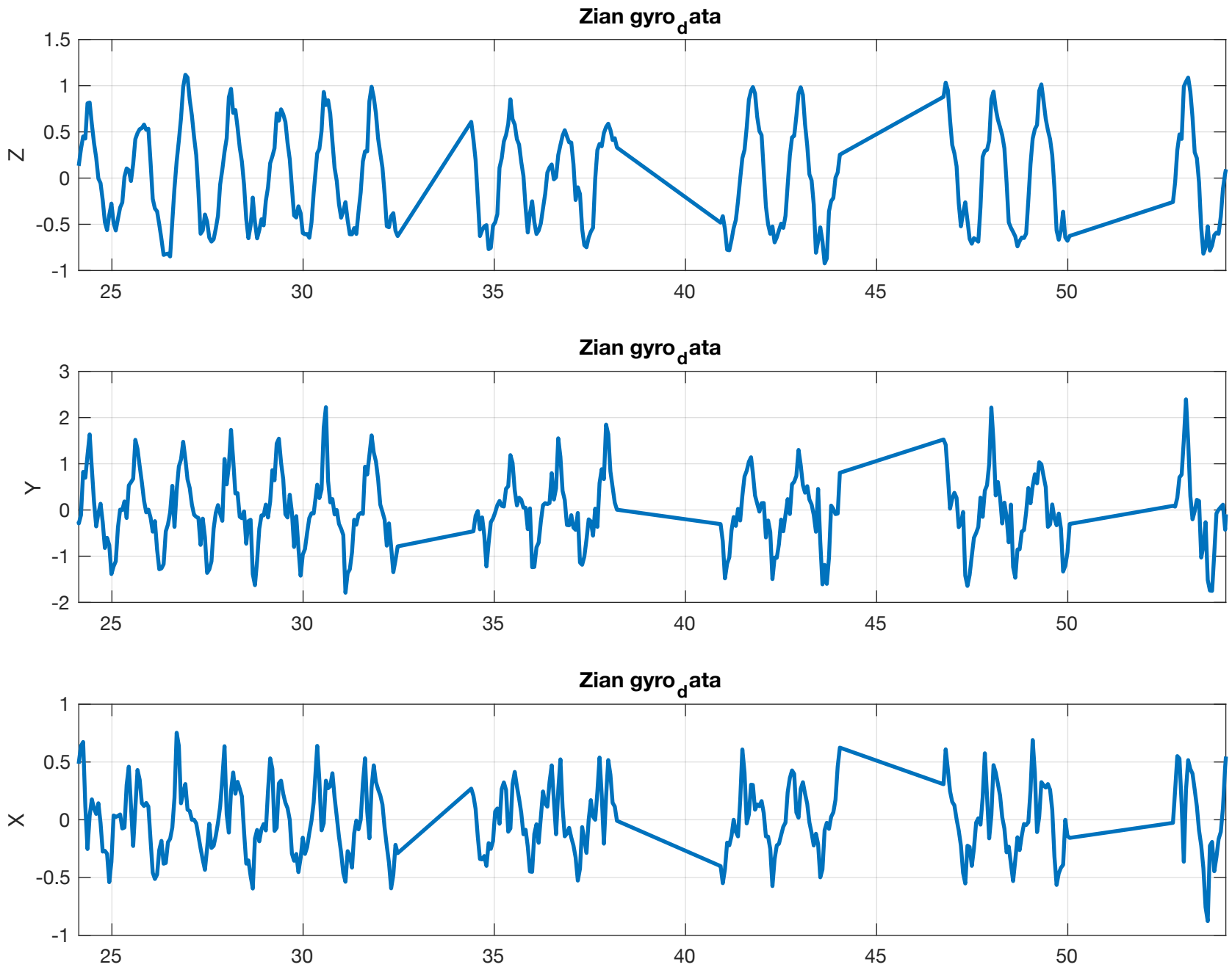

Zian bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
30
35
40
45
50
55

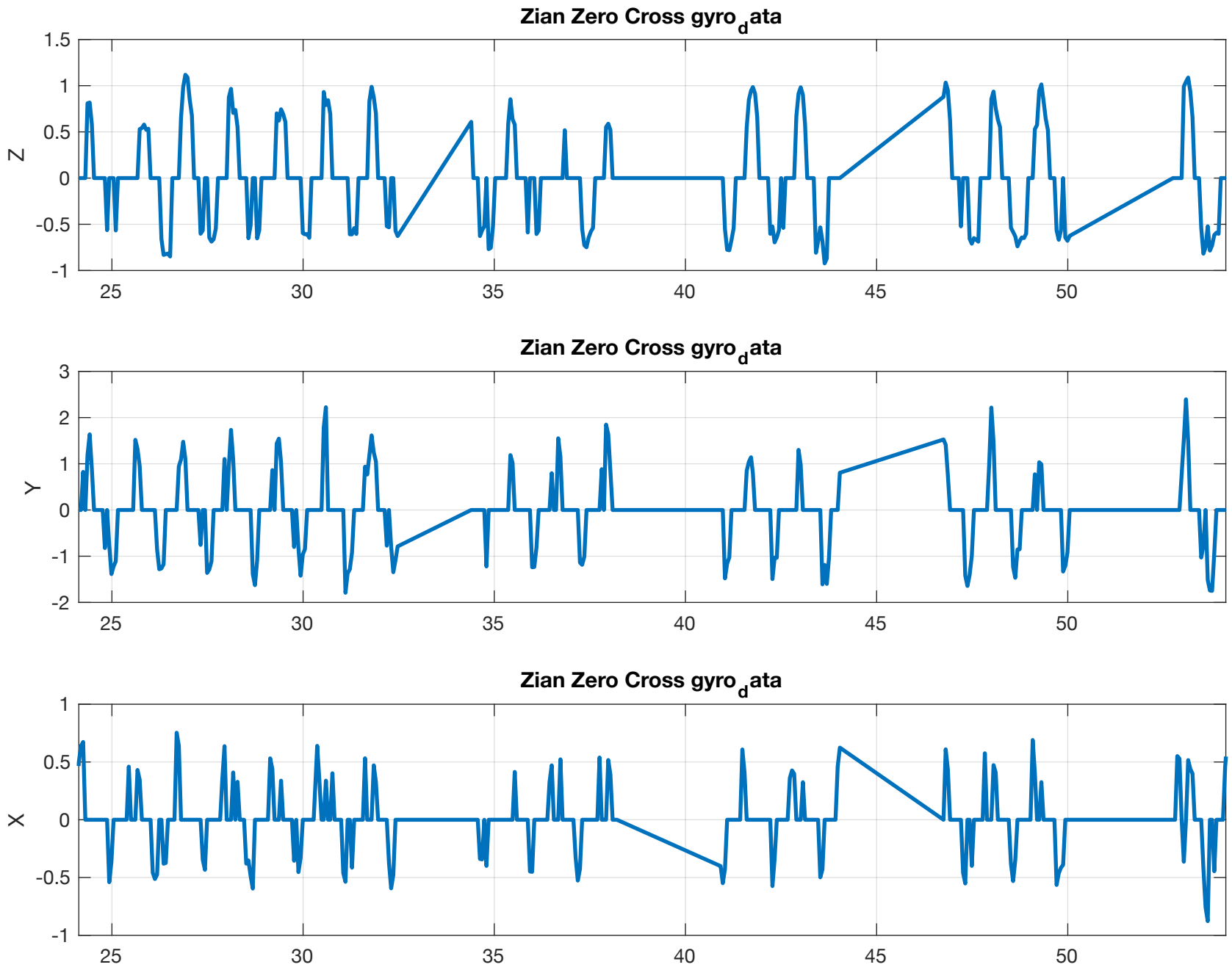

Zian bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
30
35
40
45
50
55


Zian Zero Cross bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
30
35
40
45
50
55

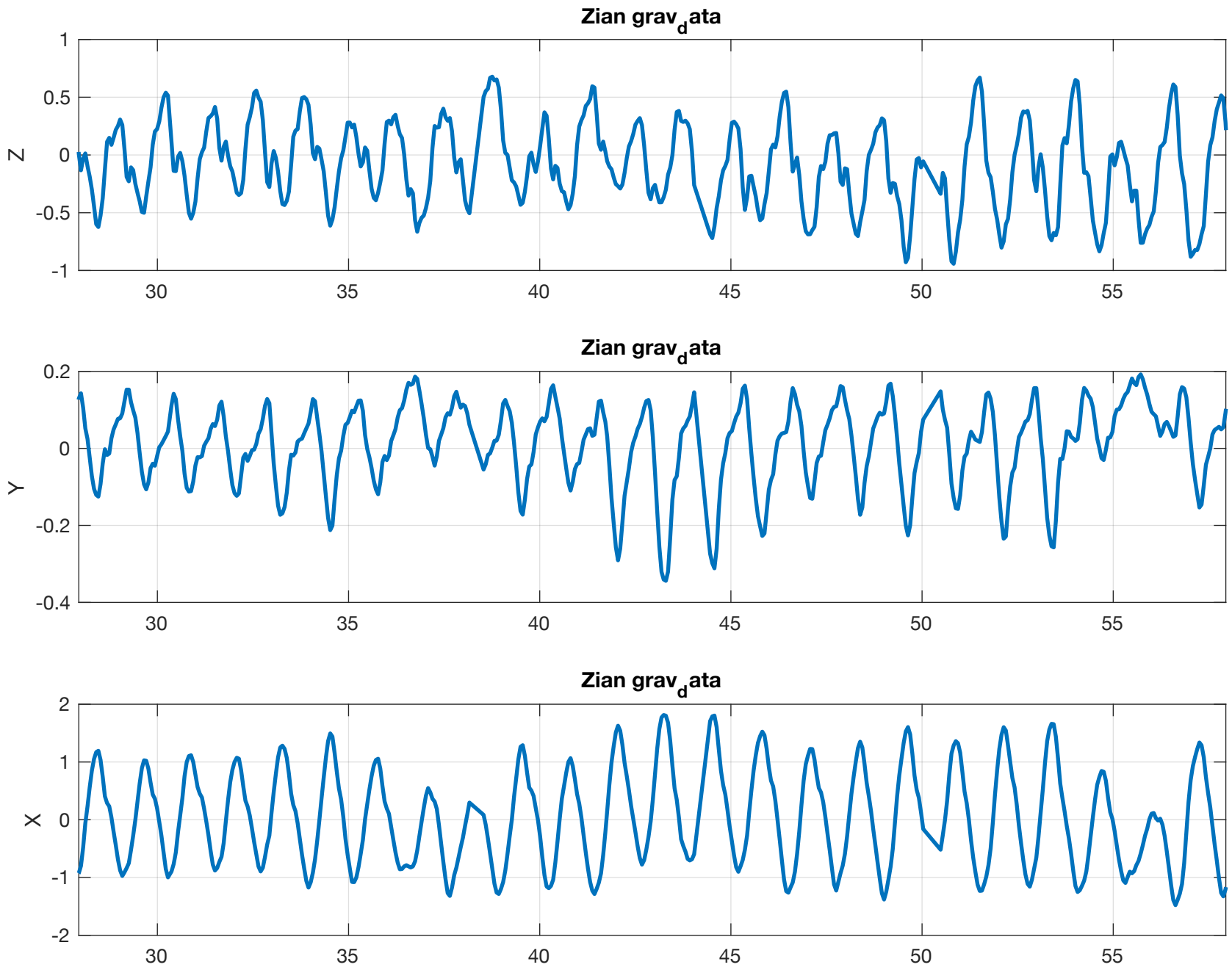

Zian Zero Cross bar_data
Pressure
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
30
35
40
45
50
55

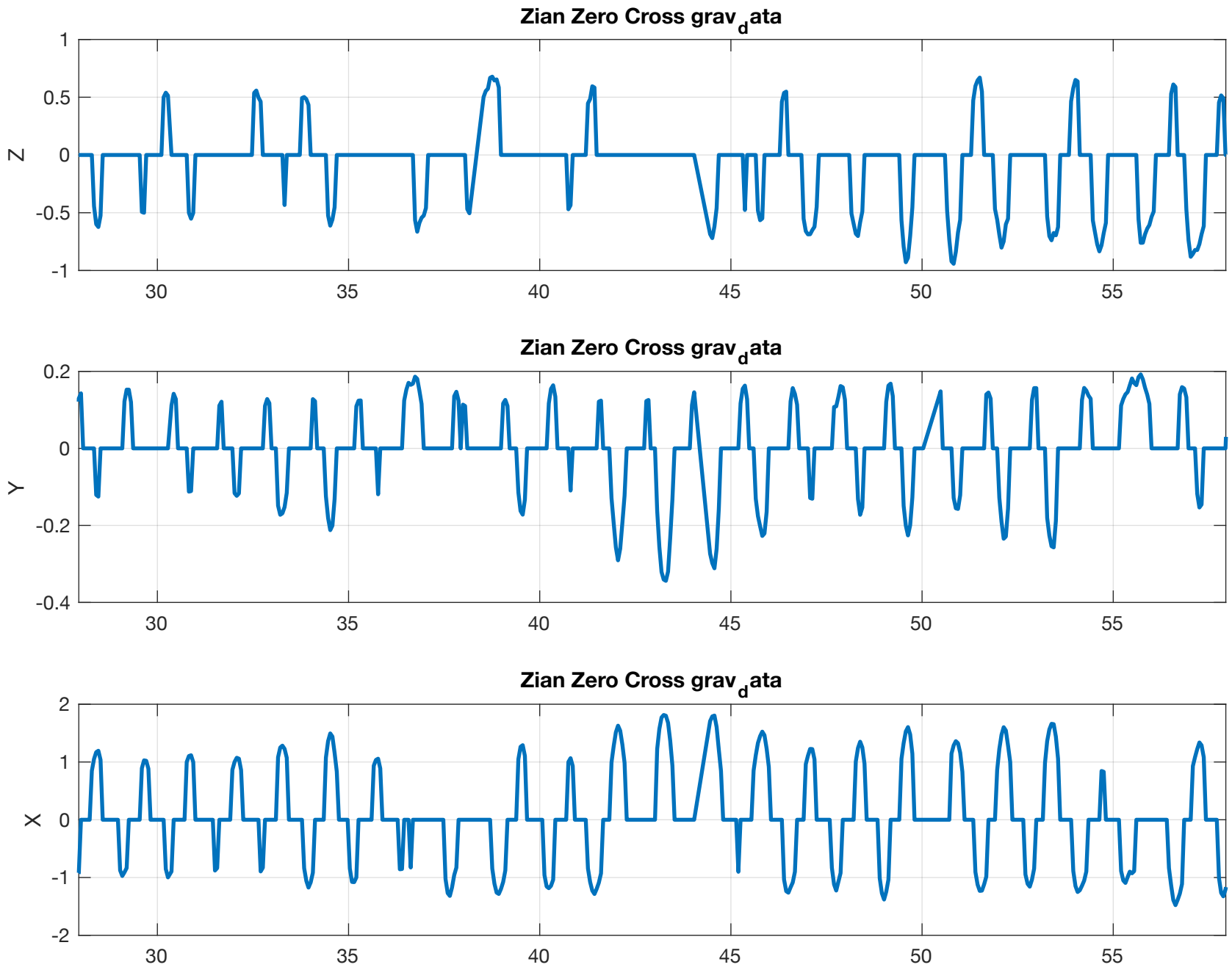
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	27	48	74	50.2500	"bar_data"
"Pressure"	2	2	58	50.2500	"bar_data"


Zian gyro_data
Z
1.5
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian gyro_data
Y
3
2
1
0
-1
-2
25
30
35
40
45
50
Zian gyro_data
X
1
0.5
0
-0.5
-1
25
30
35
40
45
50

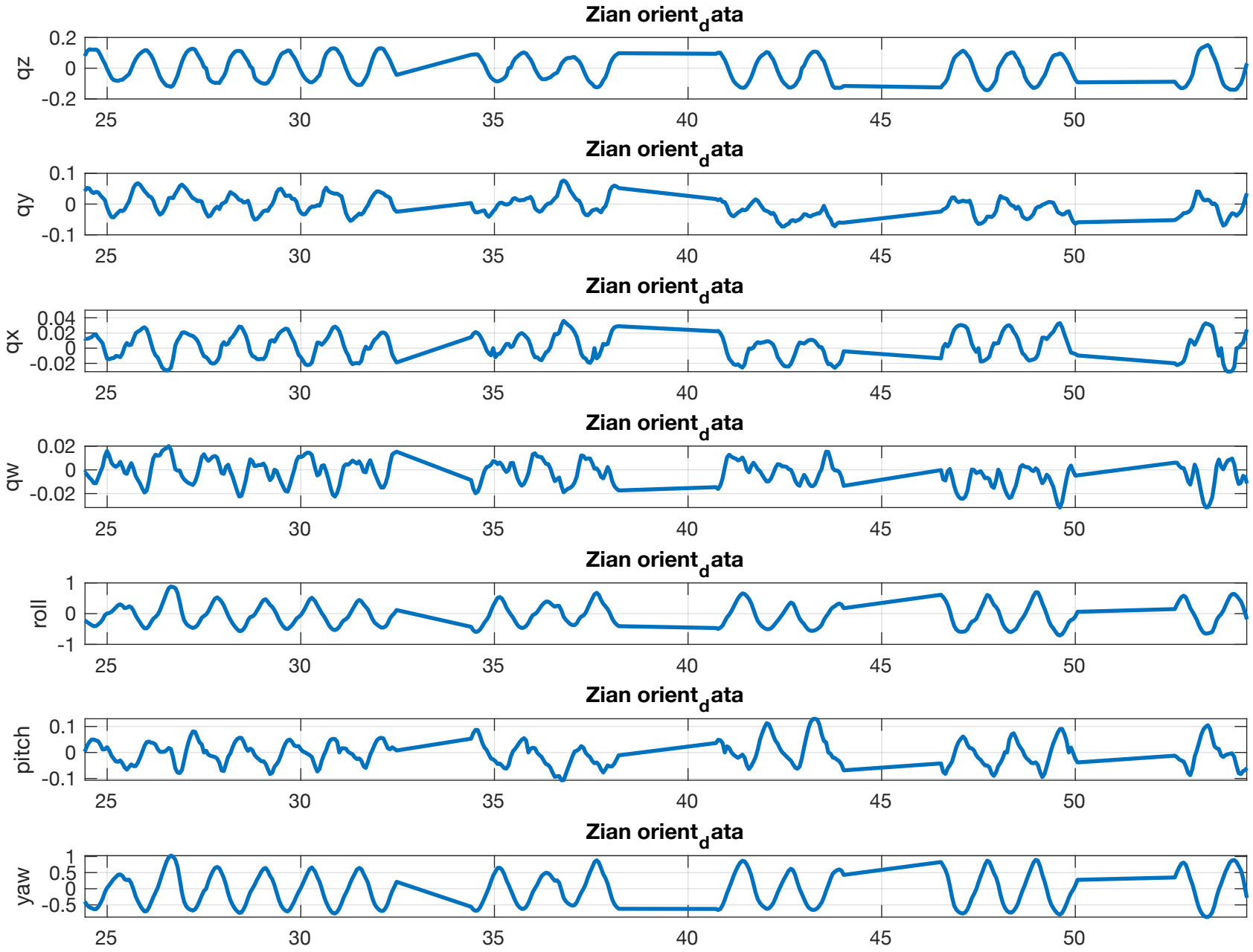

Zian Zero Cross gyro_data
Z
1.5
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Zian Zero Cross gyro_data
Y
3
2
1
0
-1
-2
25
30
35
40
45
50
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
-1
25
30
35
40
45
50

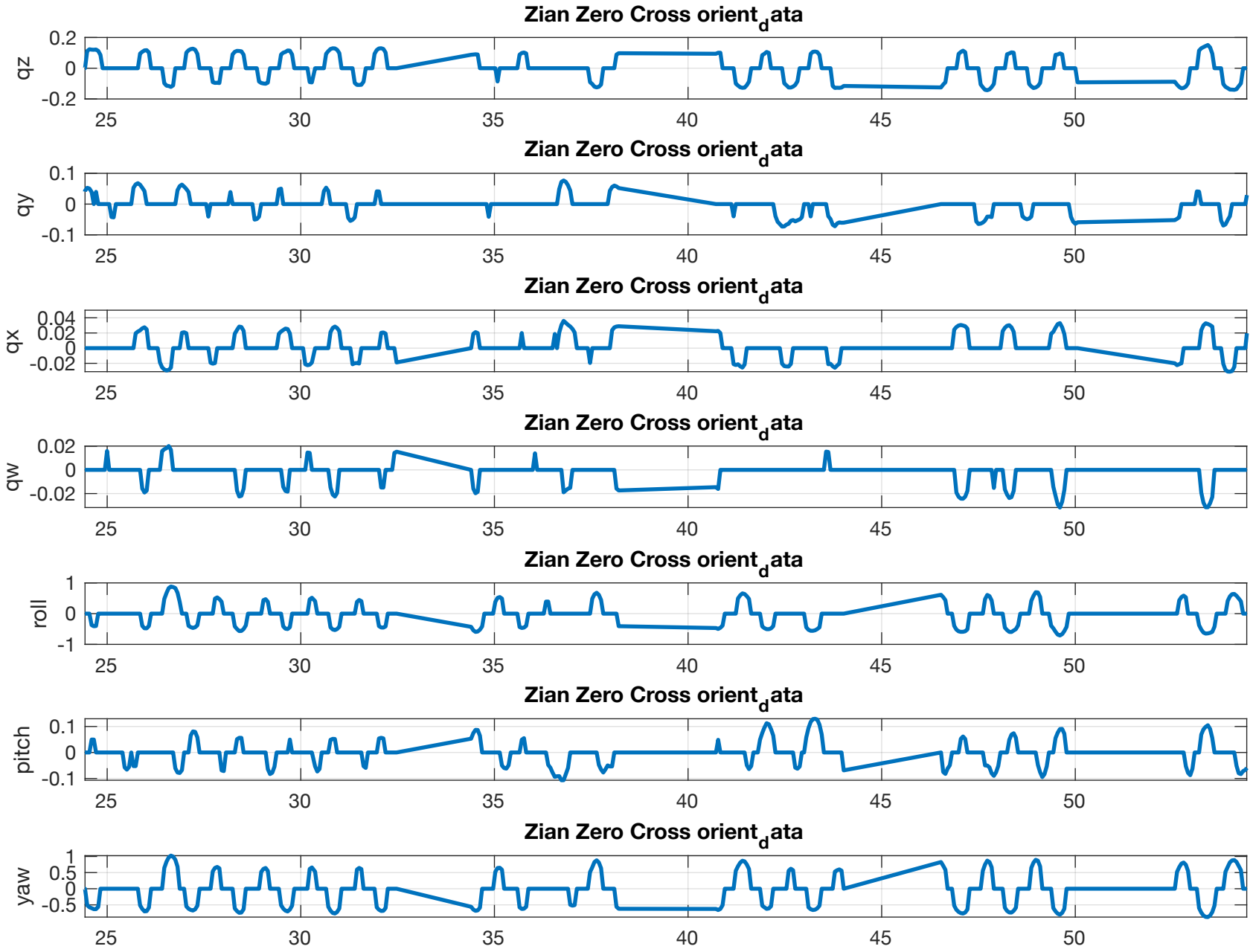
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-26	23	60	57.7500	"gyro_data"
'Y'	-101	-36	59	50.2500	"gyro_data"
'X'	-71	-17	57	39.2500	"gyro_data"


Zian grav_data
Z
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian grav_data
Y
0.2
0
-0.2
-0.4
30
35
40
45
50
55
Zian grav_data
X
2
1
0
-1
-2
30
35
40
45
50
55


Zian Zero Cross grav_data
Z
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Zian Zero Cross grav_data
Y
0.2
0
-0.2
-0.4
30
35
40
45
50
55
Zian Zero Cross grav_data
X
2
1
0
-1
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-21	9	55	64.7500	"grav_data"
'Y'	-8	12	62	54.2500	"grav_data"
'X'	38	49	83	56.5000	"grav_data"


Zian orientdata
qz
0.2
0
-0.2
25
30
35
40
45
50
Zian orientdata
qy
0.1
0
-0.1
25
30
35
40
45
50
Zian orientdata
qx
0.04
0.02
0
-0.02
25
30
35
40
45
50
Zian orientdata
qw
0.02
0
-0.02
25
30
35
40
45
50
Zian orientdata
roll
1
0
-1
25
30
35
40
45
50
Zian orientdata
pitch
0.1
0
-0.1
25
30
35
40
45
50
Zian orientdata
yaw
1
0.5
0
-0.5
25
30
35
40
45
50


Zian Zero Cross orientdata
qz
0.2
0
-0.2
25
30
35
40
45
50
Zian Zero Cross orientdata
qy
0.1
0
-0.1
25
30
35
40
45
50
Zian Zero Cross orientdata
qx
0.04
0.02
0
-0.02
25
30
35
40
45
50
Zian Zero Cross orientdata
qw
0.02
0
-0.02
25
30
35
40
45
50
Zian Zero Cross orientdata
roll
1
0
-1
25
30
35
40
45
50
Zian Zero Cross orientdata
pitch
0.1
0
-0.1
25
30
35
40
45
50
Zian Zero Cross orientdata
yaw
1
0.5
0
-0.5
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	41	51	82	70.2500	"orient_data"
'qy'	-13	39	71	72.7500	"orient_data"
'qx'	5	33	70	70.2500	"orient_data"
'qw'	-18	8	63	75.2500	"orient_data"
'roll'	46	48	83	68.2500	"orient_data"
'pitch'	5	36	66	63.2500	"orient_data"
'yaw'	49	52	85	66.2500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'double_findpeaks'	1
'bar_data'	"Pressure"	'findpeaks'	2
'gyro_data'	"X"	'findpeaks_above_zero'	17
'grav_data'	"Y"	'findpeaks'	8
'orient_data'	"qx"	'findpeaks'	5