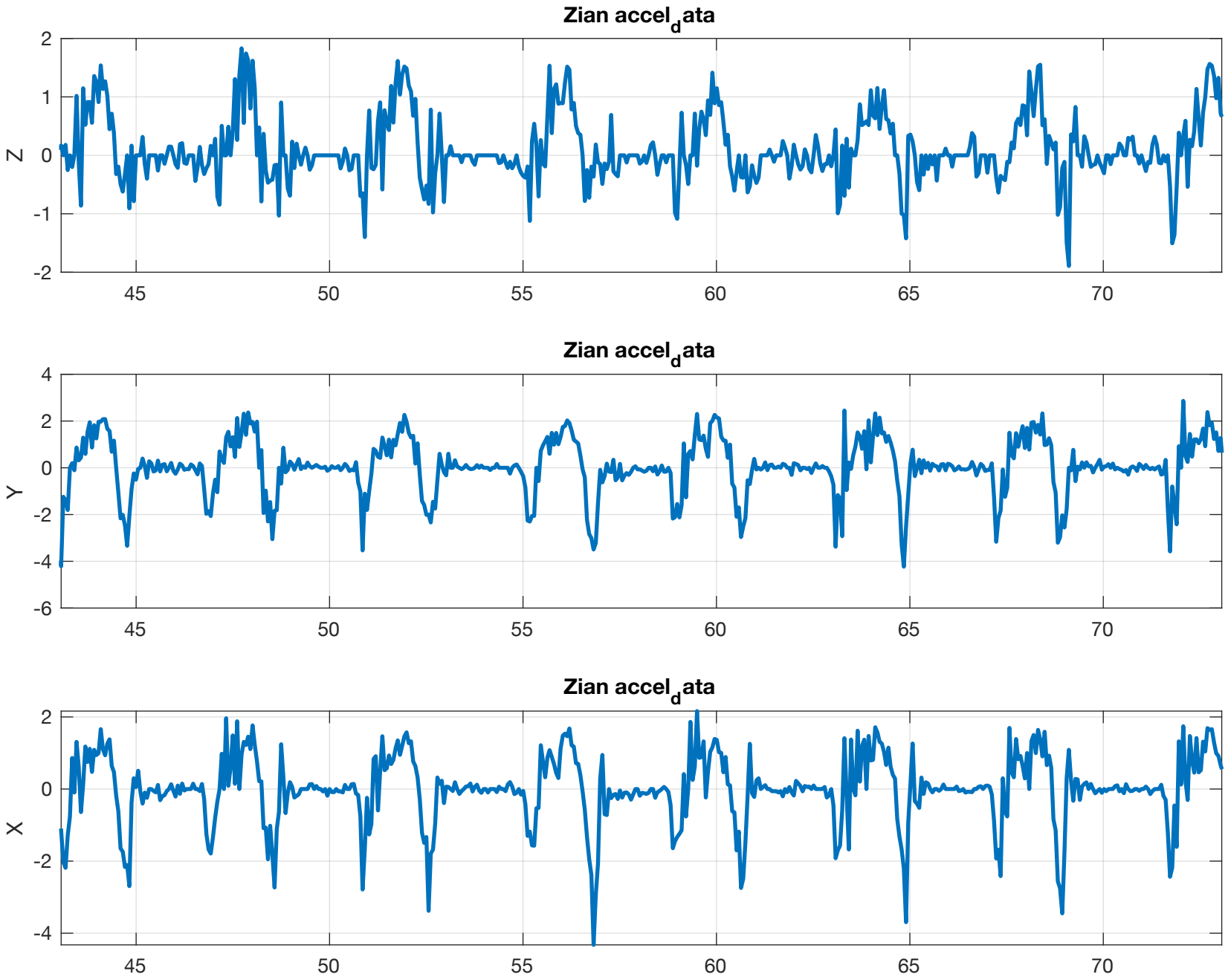
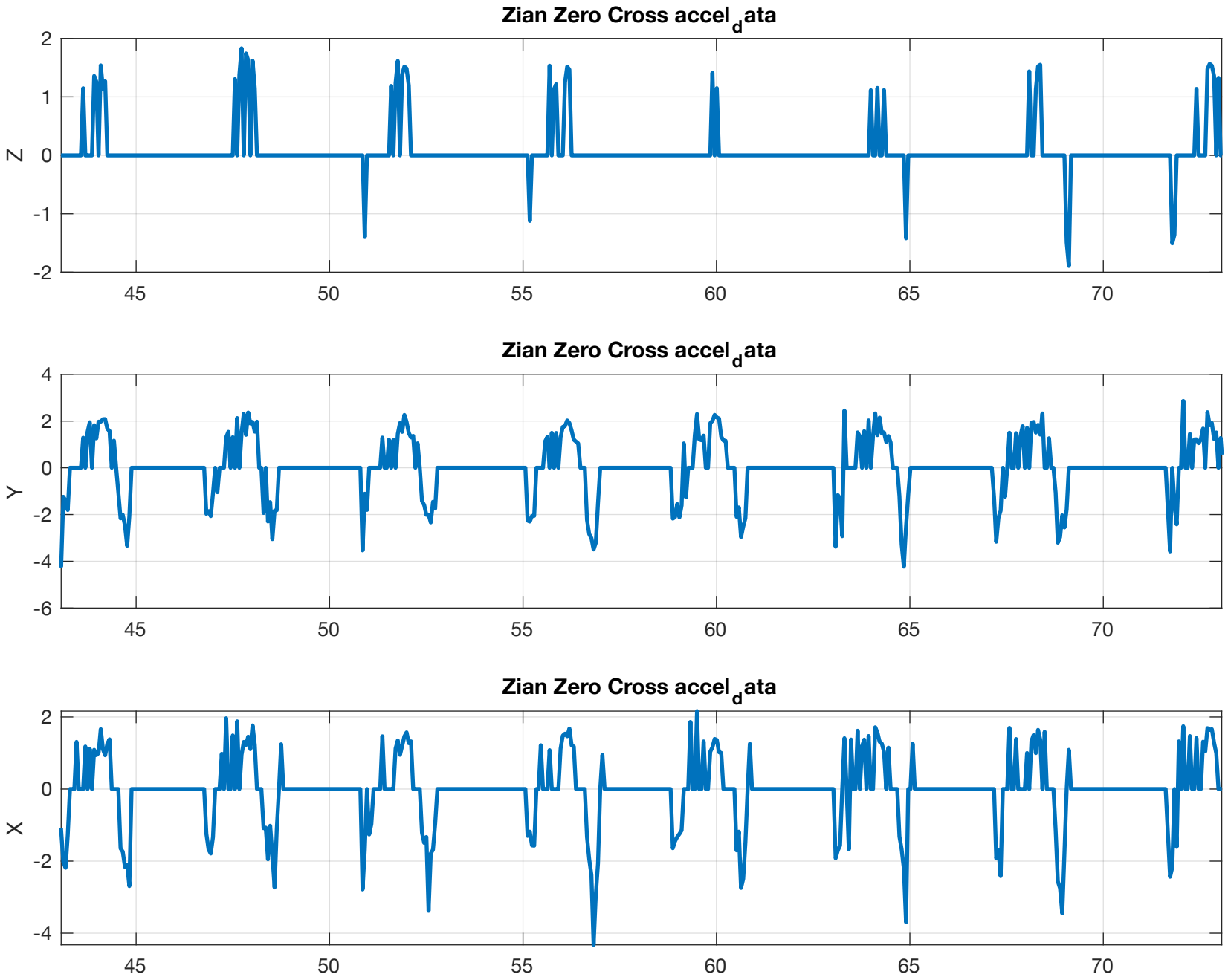
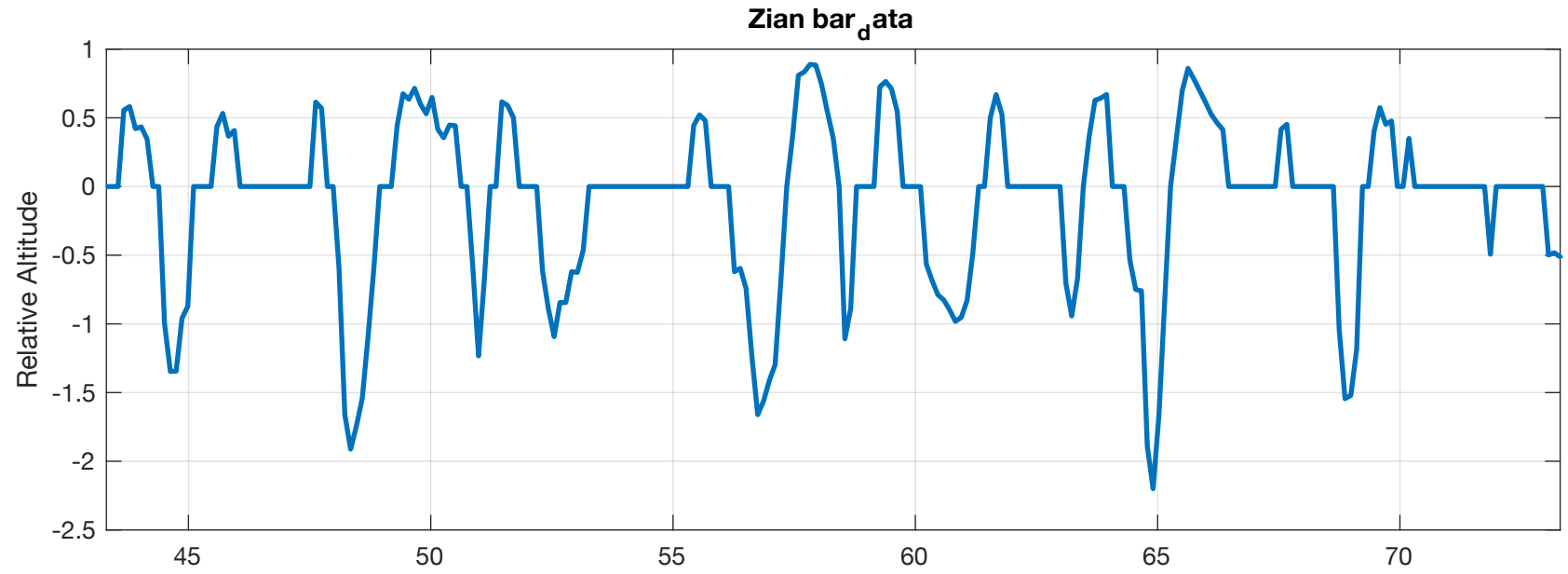
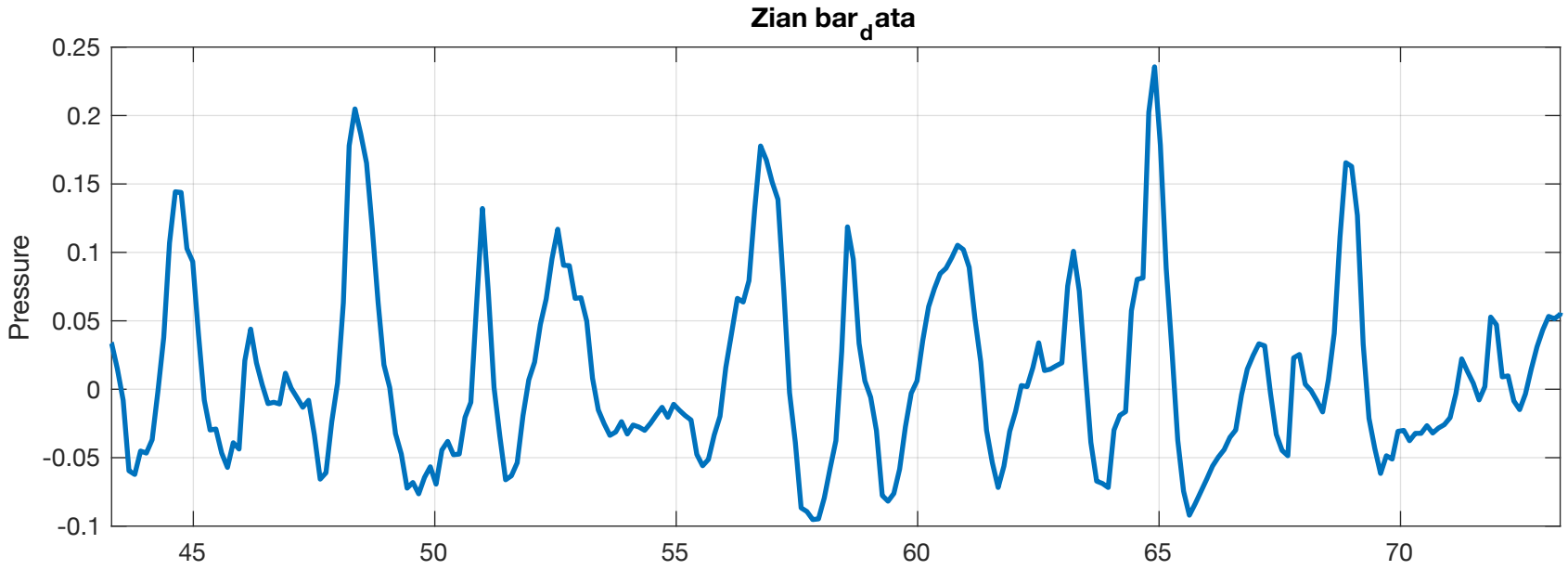
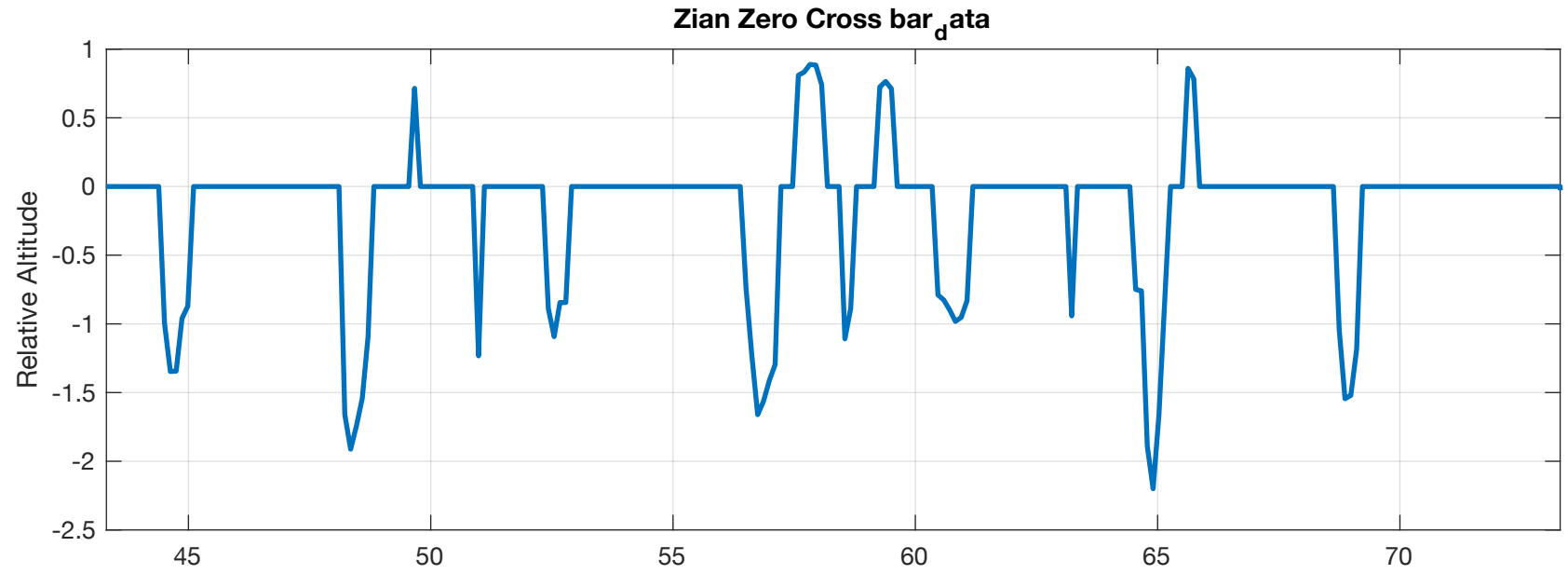

Zian accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Zian accel_data
Y
4
2
0
-2
-4
-6
45
50
55
60
65
70
Zian accel_data
X
2
0
-2
-4
45
50
55
60
65
70

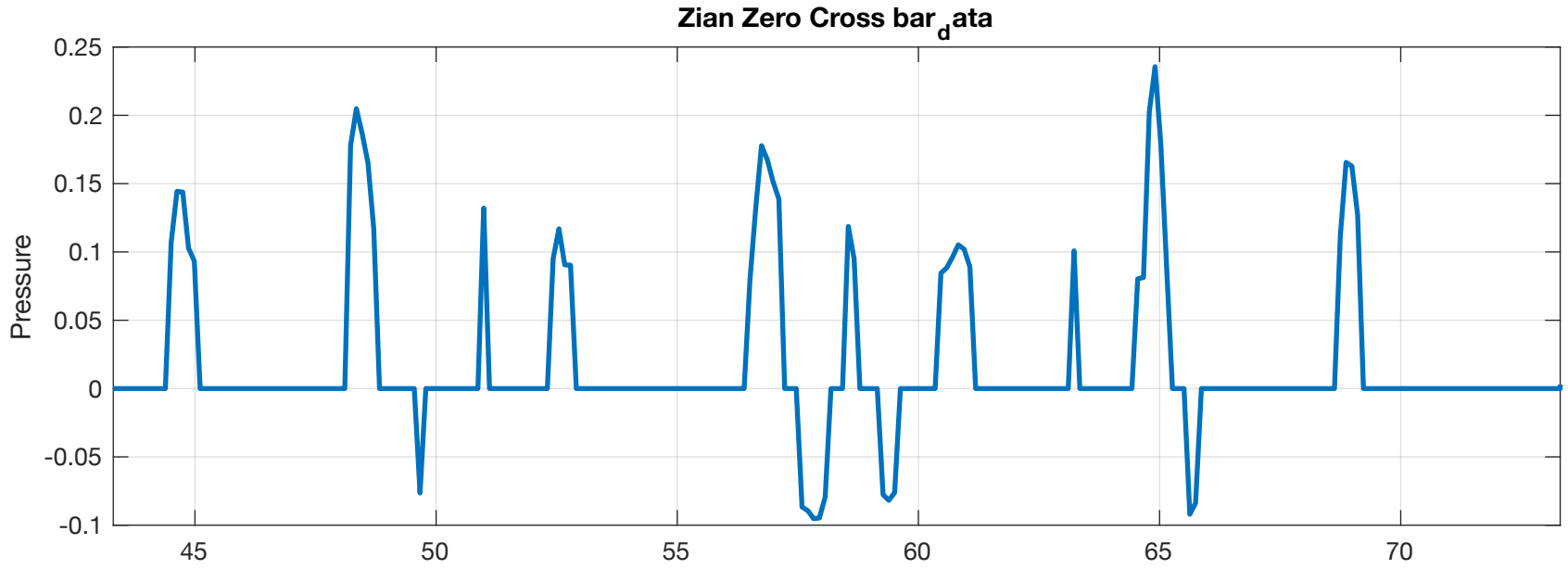

Zian Zero Cross accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Zian Zero Cross accel_data
Y
4
2
0
-2
-4
-6
45
50
55
60
65
70
Zian Zero Cross accel_data
X
2
0
-2
-4
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-211.000	-132.000	-43.000	-11.500	"accel_data"
'Y'	-235.000	-182.000	-59.000	-32.500	"accel_data"
'X'	-207.000	-157.000	-44.000	-35.500	"accel_data"

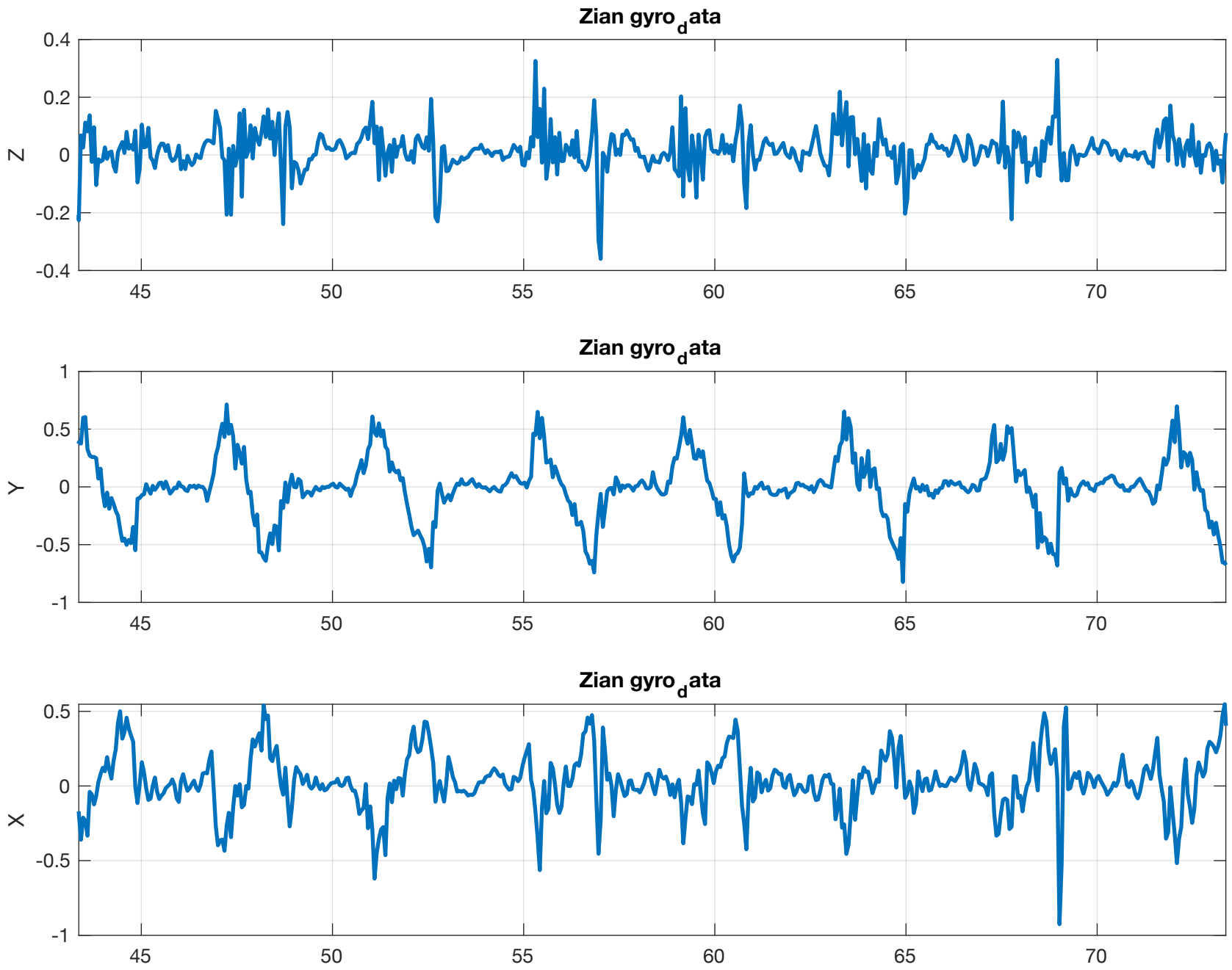

Zian bar_data
Relative Altitude
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
45
50
55
60
65
70

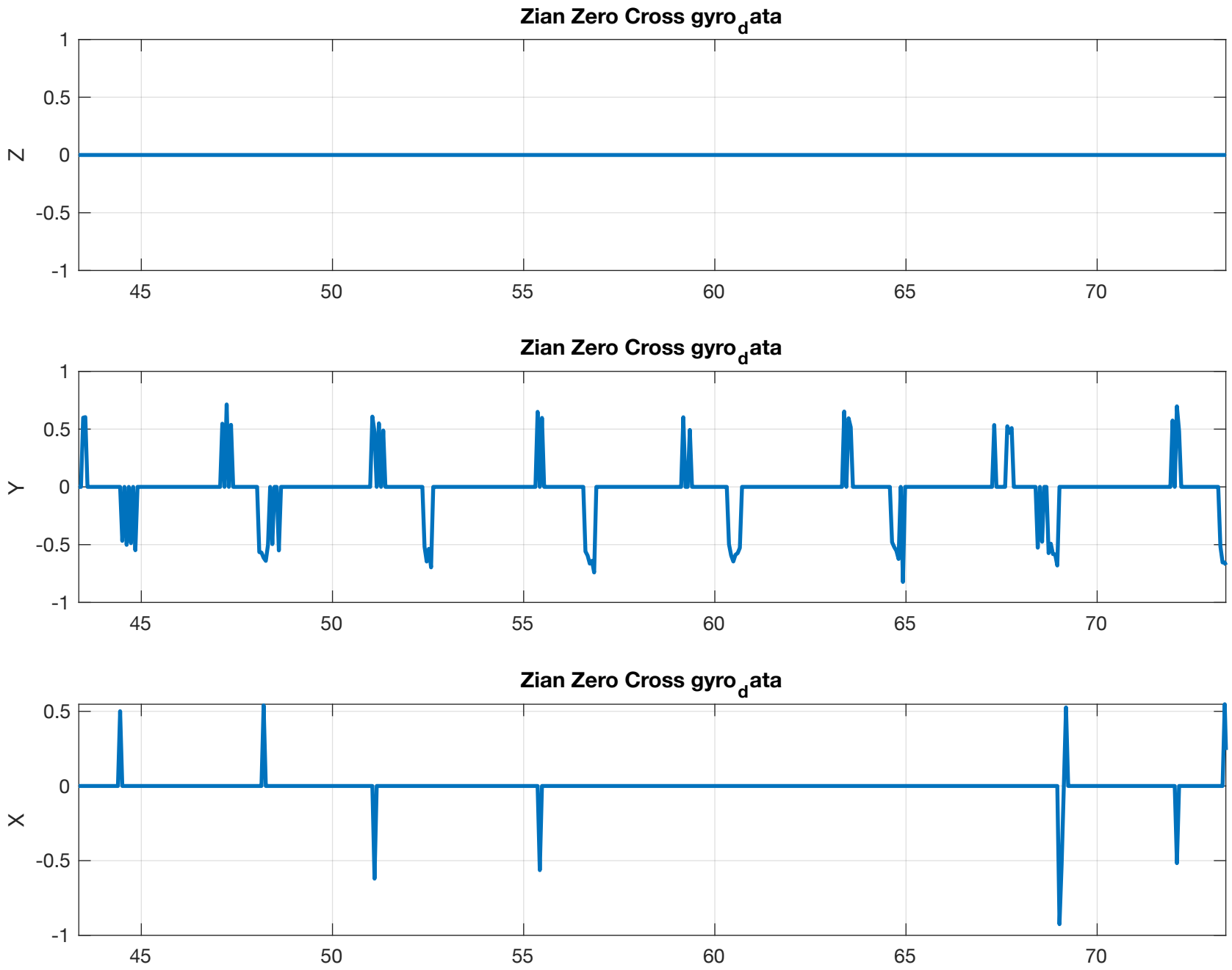

Zian bar_data
Pressure
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
45
50
55
60
65
70


Zian Zero Cross bar_data
Relative Altitude
1
0.5
0
-0.5
-1
-1.5
-2
-2.5
45
50
55
60
65
70

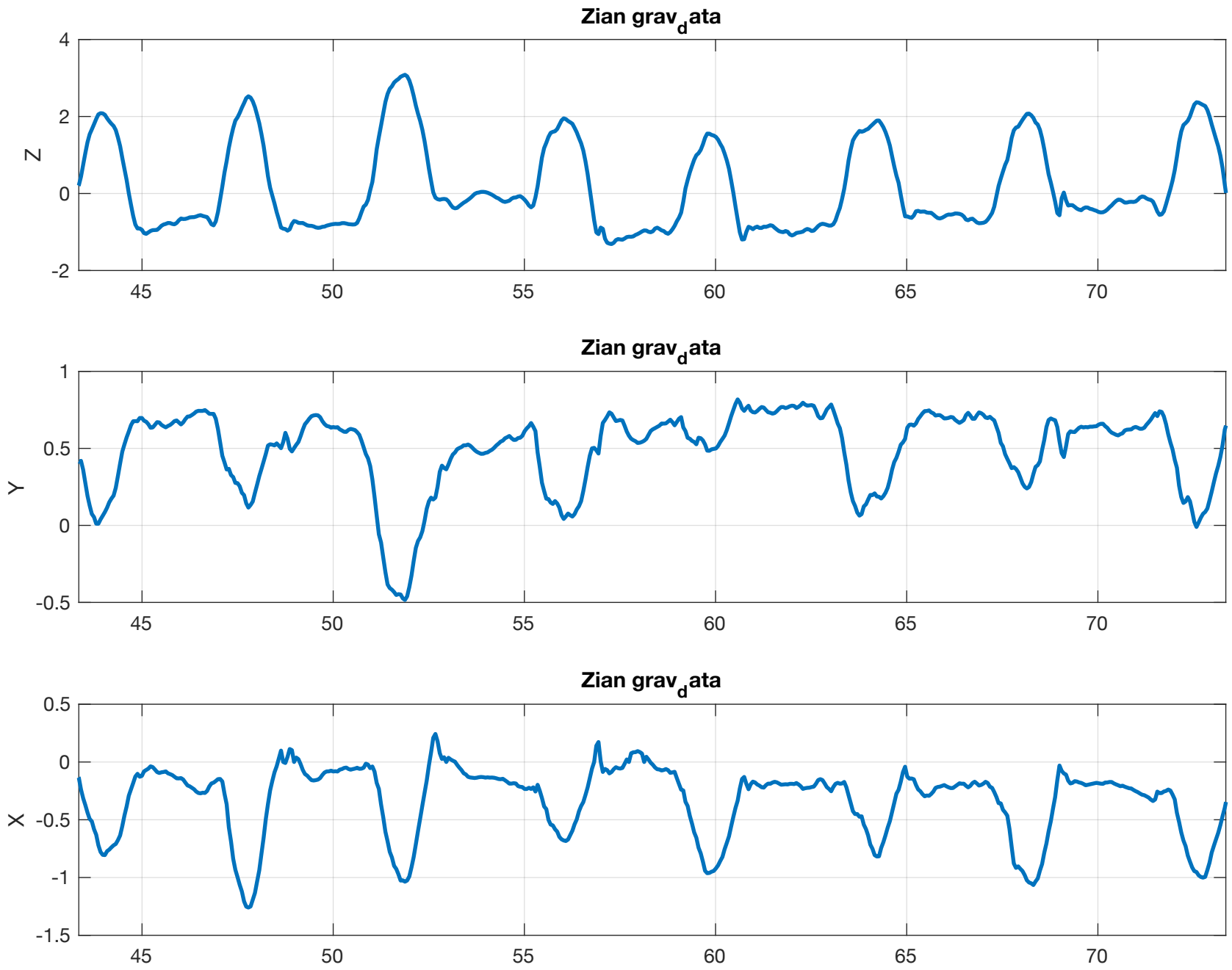

Zian Zero Cross bar_data
Pressure
0.25
0.2
0.15
0.1
0.05
0
-0.05
-0.1
45
50
55
60
65
70

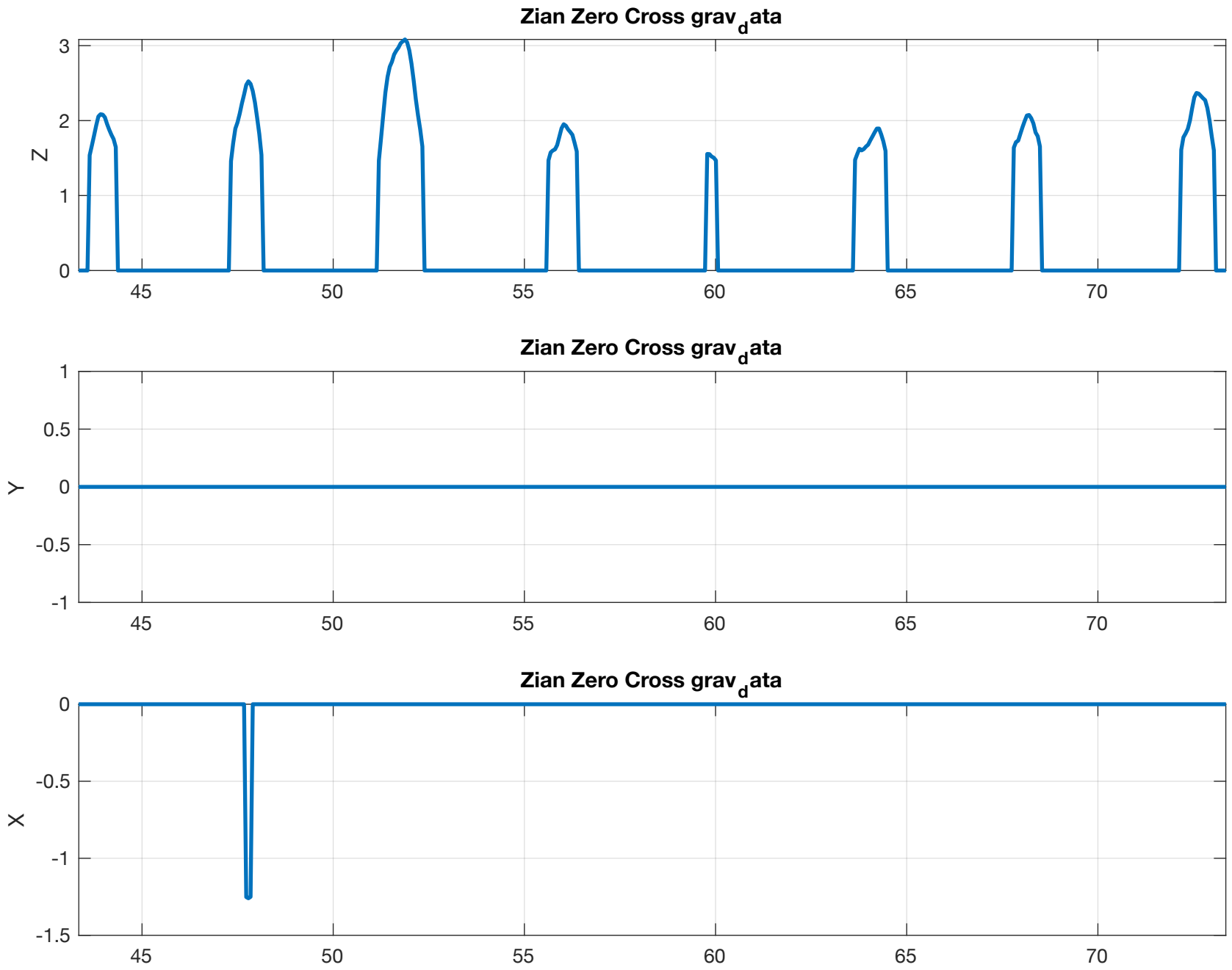
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-26.000	-20.000	-1.000	0.500	"bar_data"
"Pressure"	-46.000	-27.000	-5.000	0.500	"bar_data"


Zian gyro_data
Z
0.4
0.2
0
-0.2
-0.4
45
50
55
60
65
70
Zian gyro_data
Y
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Zian gyro_data
X
0.5
0
-0.5
-1
45
50
55
60
65
70

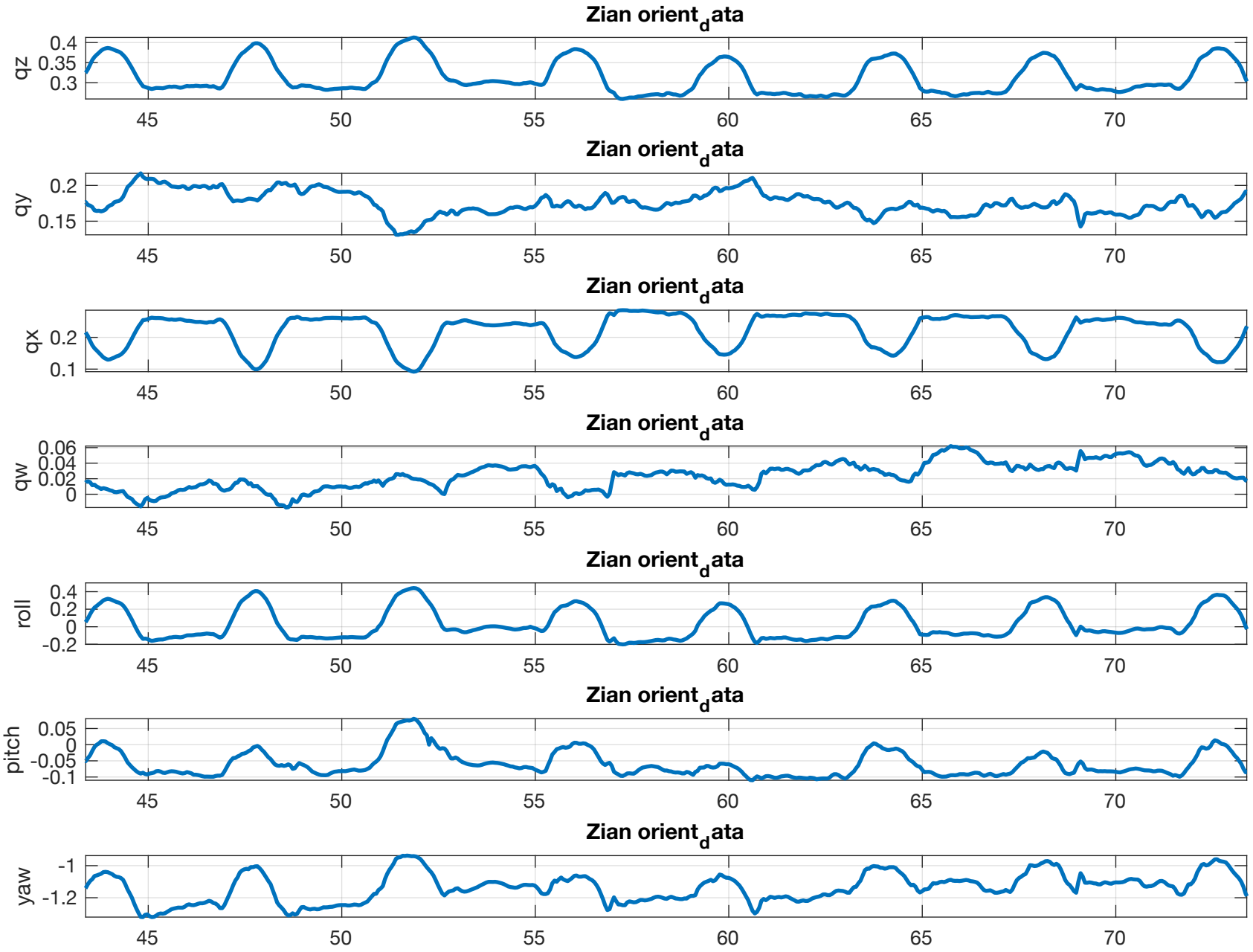

Zian Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Zian Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Zian Zero Cross gyro_data
X
0.5
0
-0.5
-1
45
50
55
60
65
70

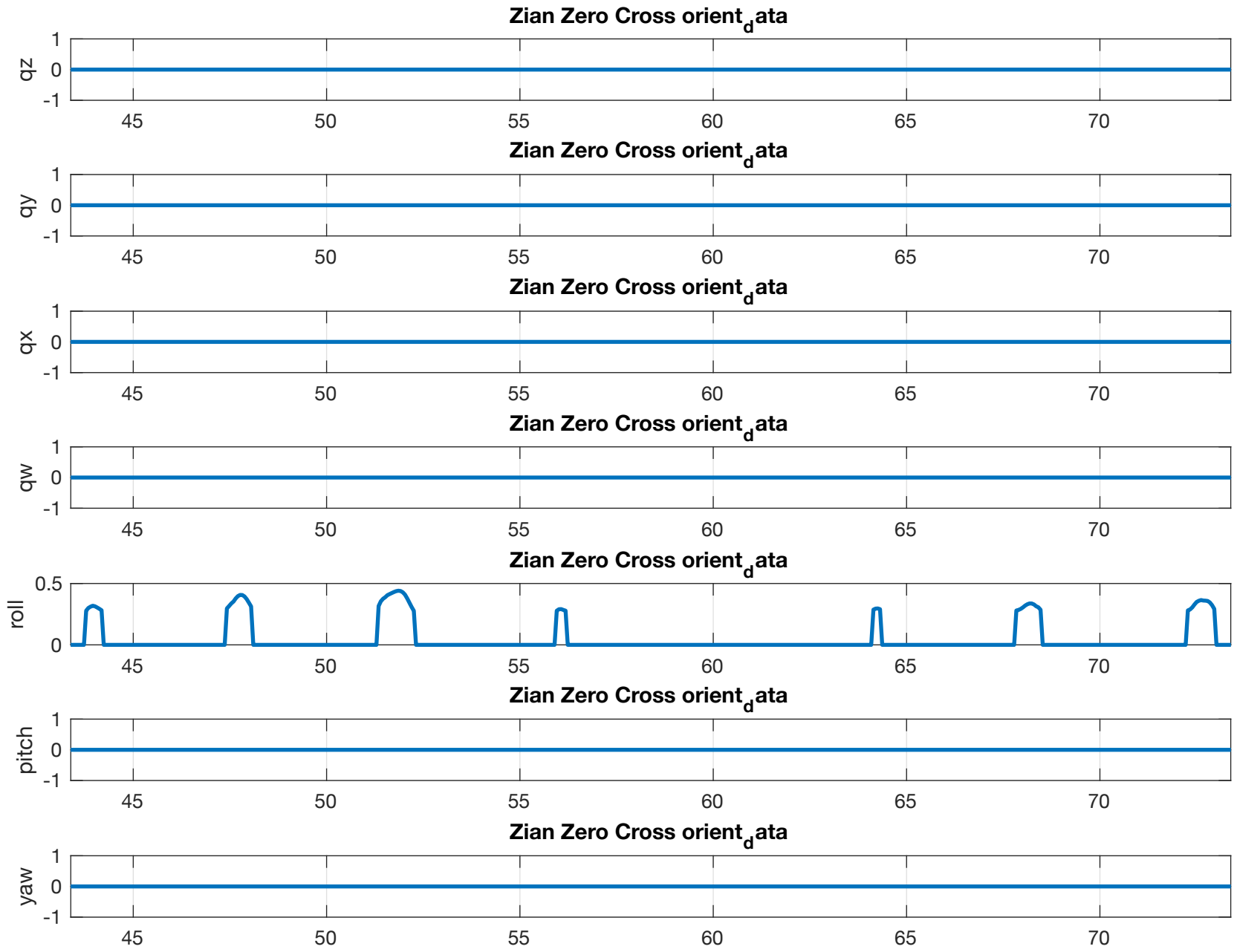
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-244.000	-216.000	-66.000	11.000	"gyro_data"
'Y'	-211.000	-136.000	-38.000	-10.500	"gyro_data"
'X'	-184.000	-152.000	-39.000	5.500	"gyro_data"


Zian grav_data
Z
4
2
0
-2
45
50
55
60
65
70
Zian grav_data
Y
1
0.5
0
-0.5
45
50
55
60
65
70
Zian grav_data
X
0.5
0
-0.5
-1
-1.5
45
50
55
60
65
70


Zian Zero Cross grav_data
Z
3
2
1
0
45
50
55
60
65
70
Zian Zero Cross grav_data
Y
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Zian Zero Cross grav_data
X
0
-0.5
-1
-1.5
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-59.000	-7.000	-2.000	6.000	"grav_data"
'Y'	-83.000	-81.000	-13.000	12.000	"grav_data"
'X'	-88.000	2.000	8.000	11.000	"grav_data"


Zian orientdata
qz
0.4
0.35
0.3
45
50
55
60
65
70
Zian orientdata
qy
0.2
0.15
45
50
55
60
65
70
Zian orientdata
qx
0.2
0.1
45
50
55
60
65
70
Zian orientdata
qw
0.06
0.04
0.02
0
45
50
55
60
65
70
Zian orientdata
roll
0.4
0.2
0
-0.2
45
50
55
60
65
70
Zian orientdata
pitch
0.05
0
-0.05
-0.1
45
50
55
60
65
70
Zian orientdata
yaw
-1
-1.2
45
50
55
60
65
70


Zian Zero Cross orientdata
qz
1
0
-1
45
50
55
60
65
70
Zian Zero Cross orientdata
qy
1
0
-1
45
50
55
60
65
70
Zian Zero Cross orientdata
qx
1
0
-1
45
50
55
60
65
70
Zian Zero Cross orientdata
qw
1
0
-1
45
50
55
60
65
70
Zian Zero Cross orientdata
roll
0.5
0
45
50
55
60
65
70
Zian Zero Cross orientdata
pitch
1
0
-1
45
50
55
60
65
70
Zian Zero Cross orientdata
yaw
1
0
-1
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-60.000	-60.000	-10.000	12.000	"orient_data"
'qy'	-109.000	-109.000	-18.000	12.000	"orient_data"
'qx'	-75.000	-75.000	-11.000	12.000	"orient_data"
'qw'	-132.000	-126.000	-21.000	12.000	"orient_data"
'roll'	-57.000	-8.000	-2.000	6.500	"orient_data"
'pitch'	-87.000	-1.000	4.000	12.000	"orient_data"
'yaw'	-93.000	12.000	12.000	12.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	11.500
'bar_data'	"Relative Altitude"	'zero_cross'	0.500
'gyro_data'	"X"	'zero_cross'	5.500
'grav_data'	"X"	'findpeaks_above_zero'	2.000
'orient_data'	"pitch"	'findpeaks_above_zero'	1.000