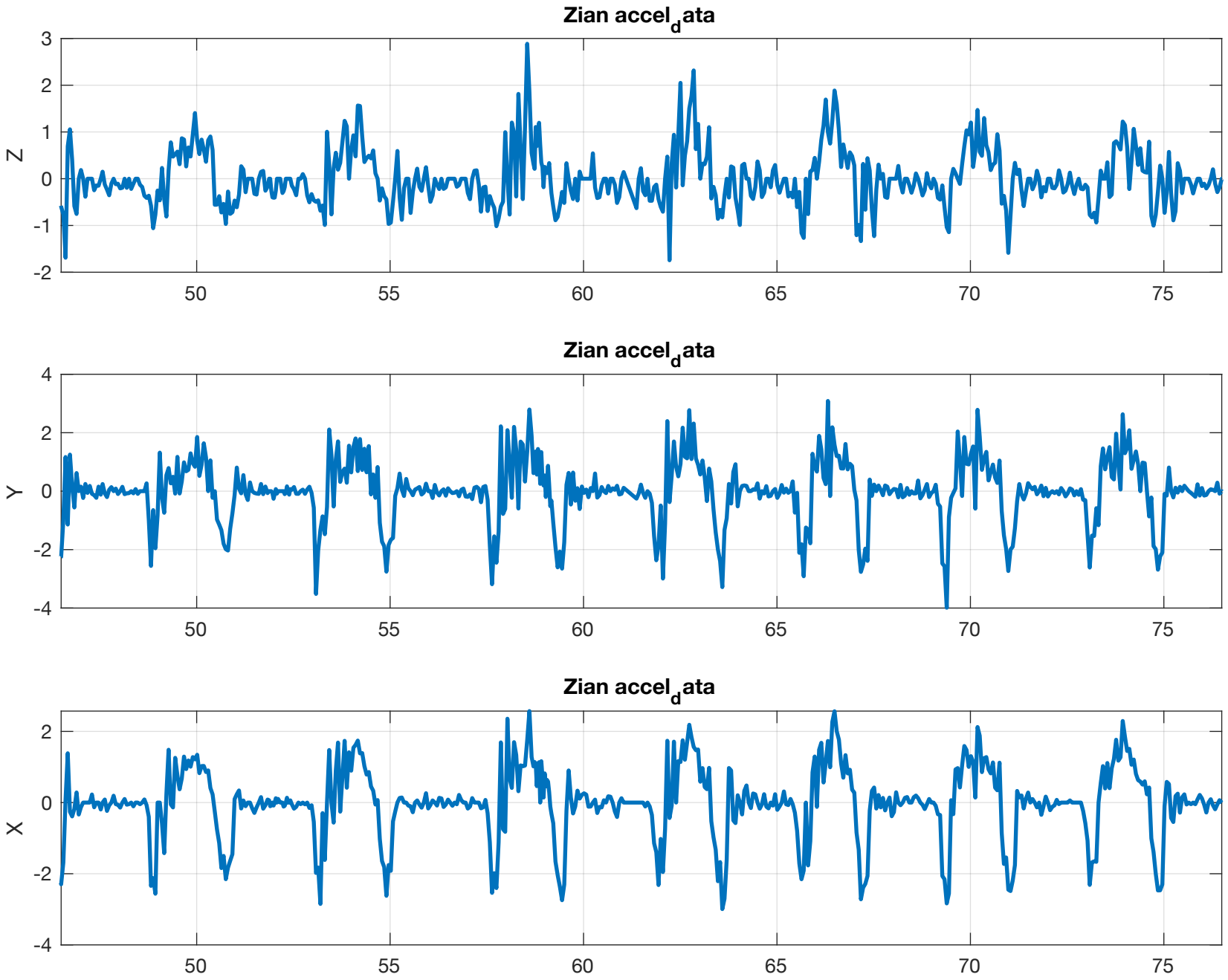
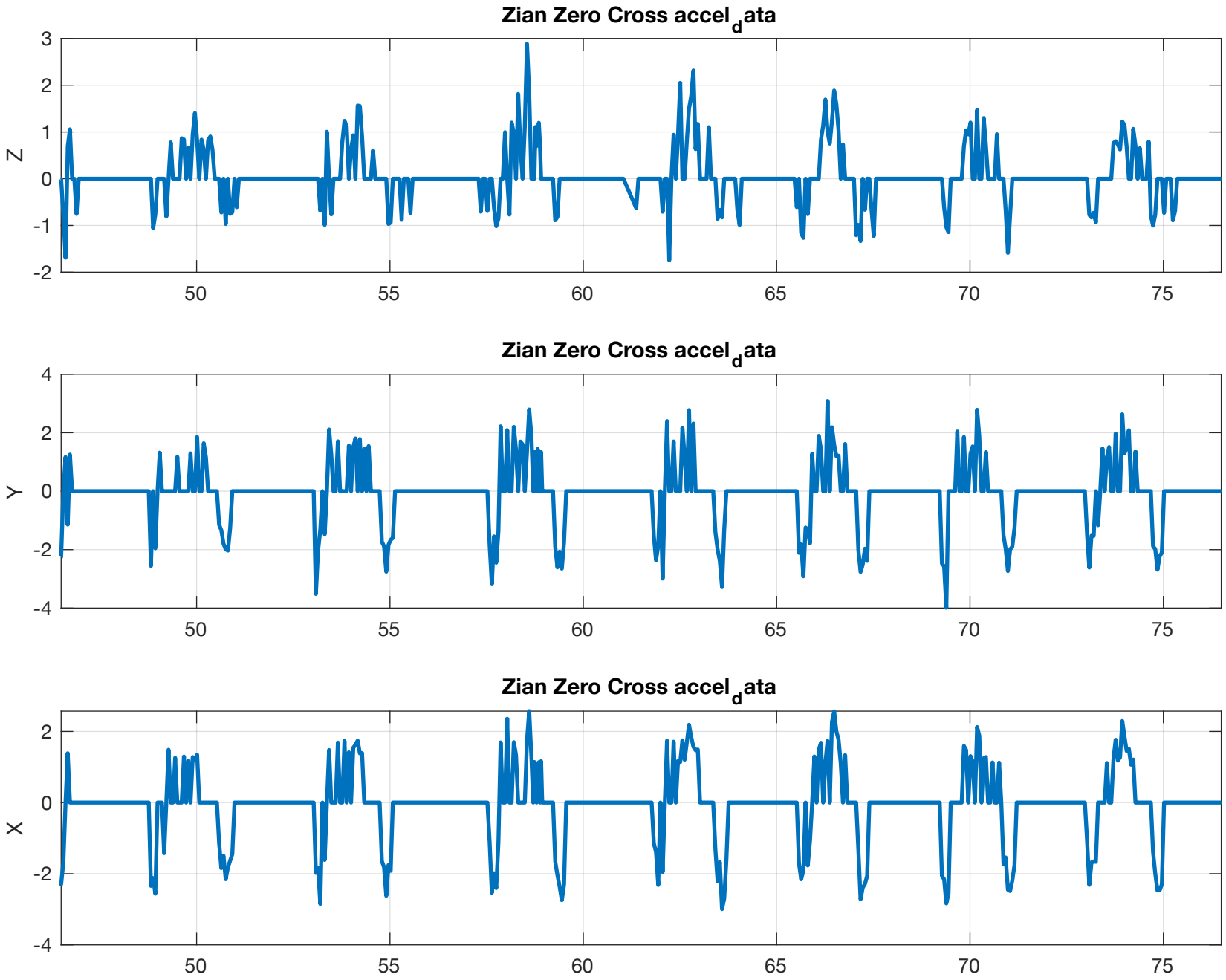
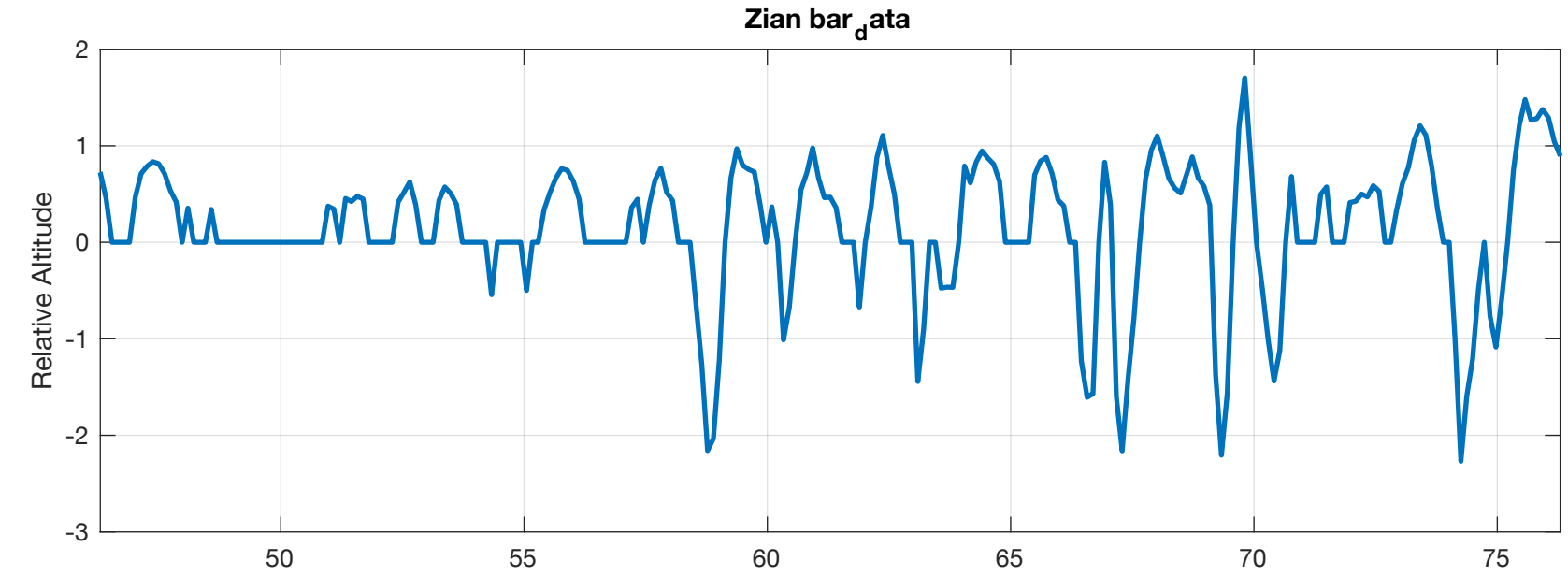
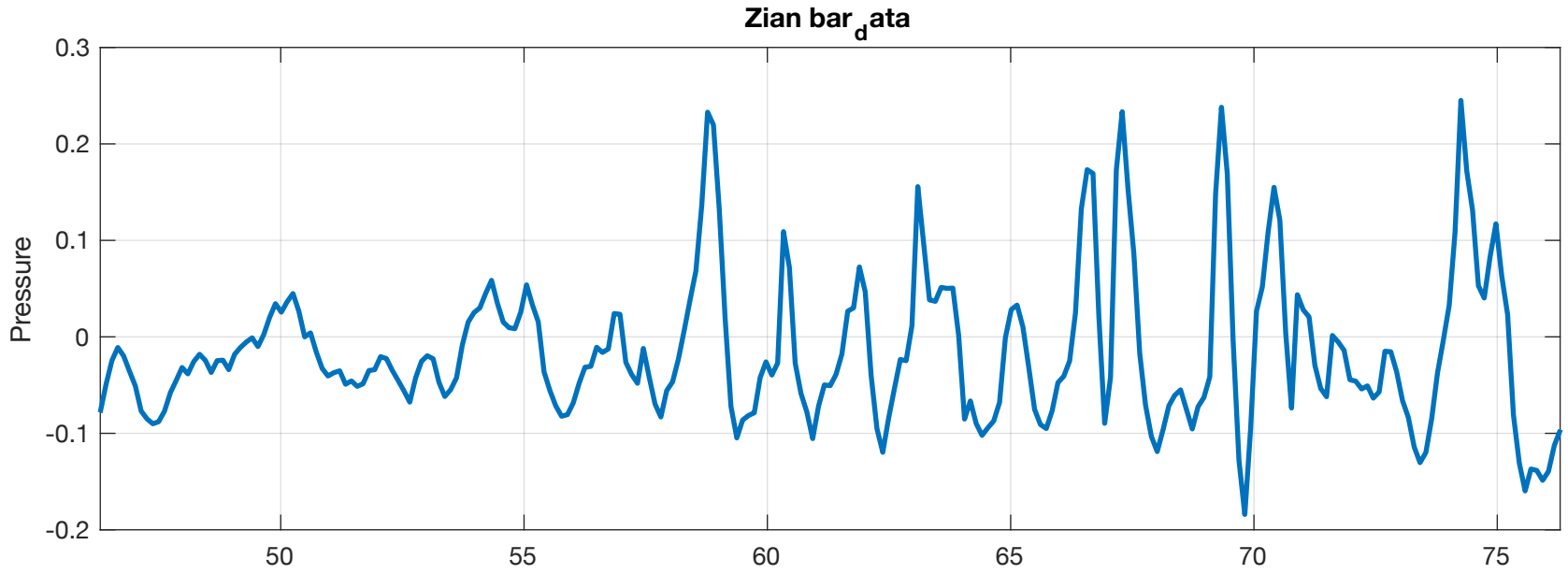
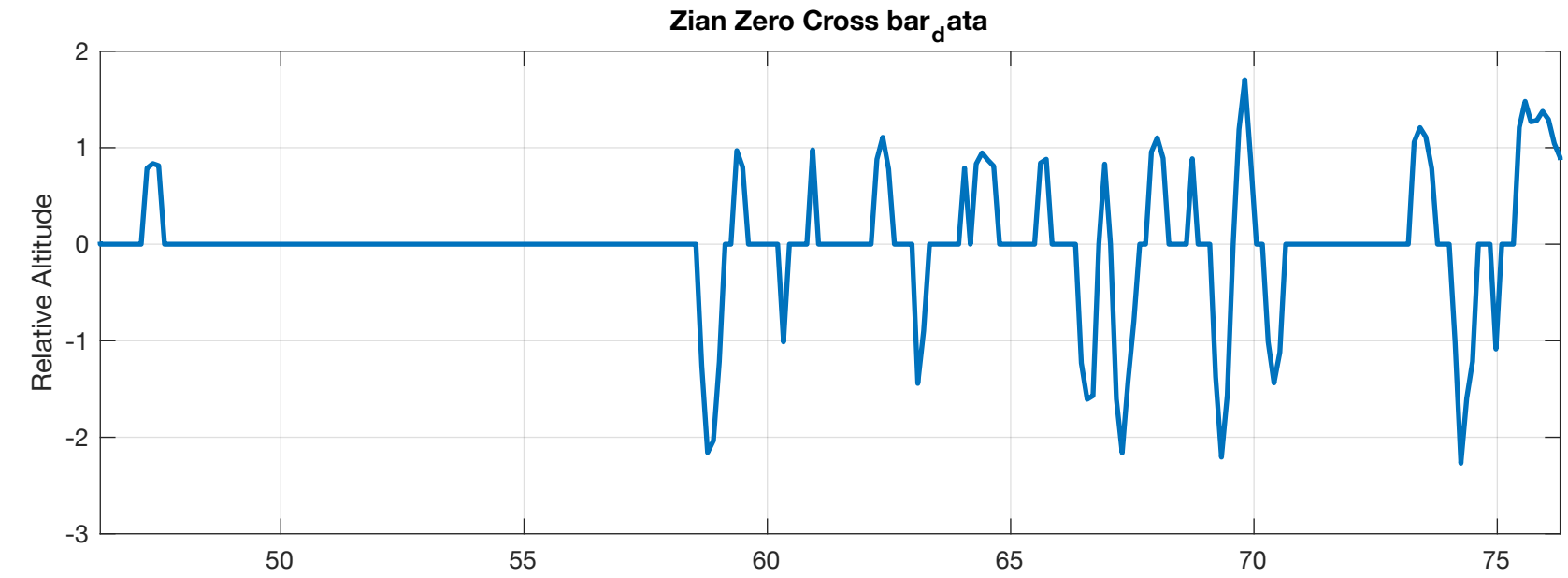

Zian accel_data
Z
3
2
1
0
-1
-2
50
55
60
65
70
75
Zian accel_data
Y
4
2
0
-2
-4
50
55
60
65
70
75
Zian accel_data
X
2
0
-2
-4
50
55
60
65
70
75

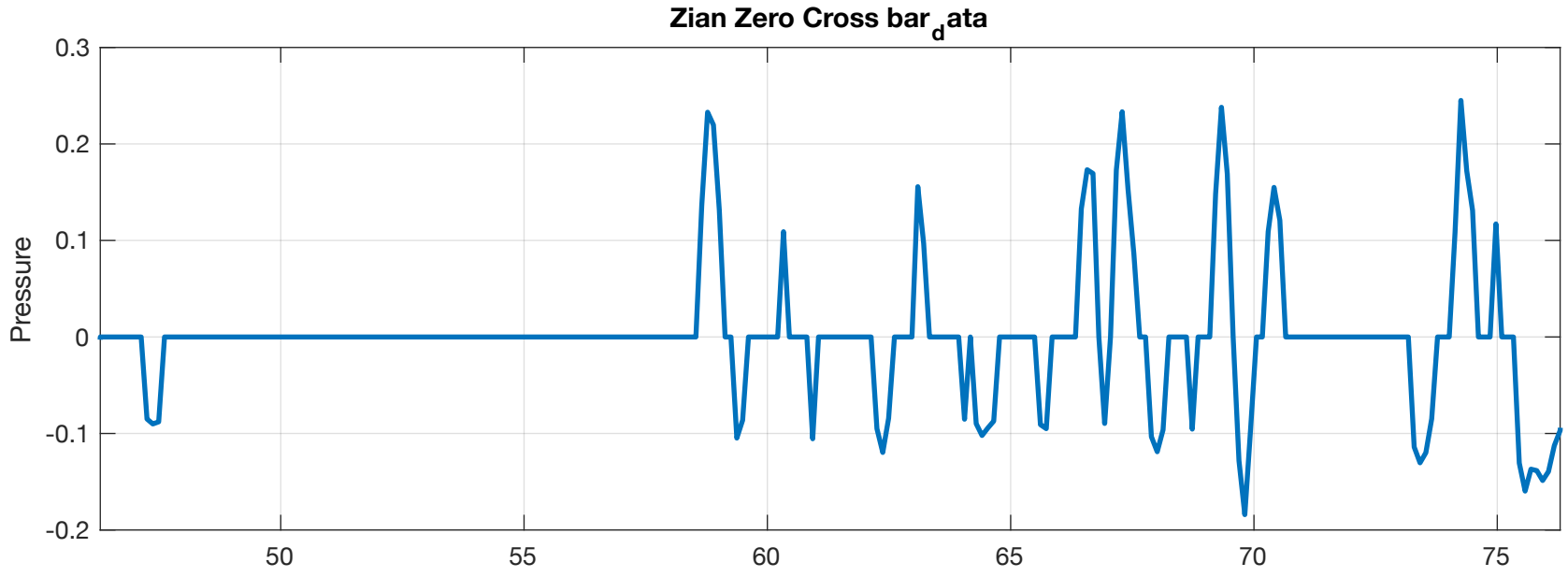

Zian Zero Cross accel_data
Z
3
2
1
0
-1
-2
50
55
60
65
70
75
Zian Zero Cross accel_data
Y
4
2
0
-2
-4
50
55
60
65
70
75
Zian Zero Cross accel_data
X
2
0
-2
-4
50
55
60
65
70
75

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-432.000	-250.000	-94.000	-99.500	"accel_data"
'Y'	-511.000	-428.000	-137.000	-87.500	"accel_data"
'X'	-452.000	-362.000	-114.000	-69.500	"accel_data"

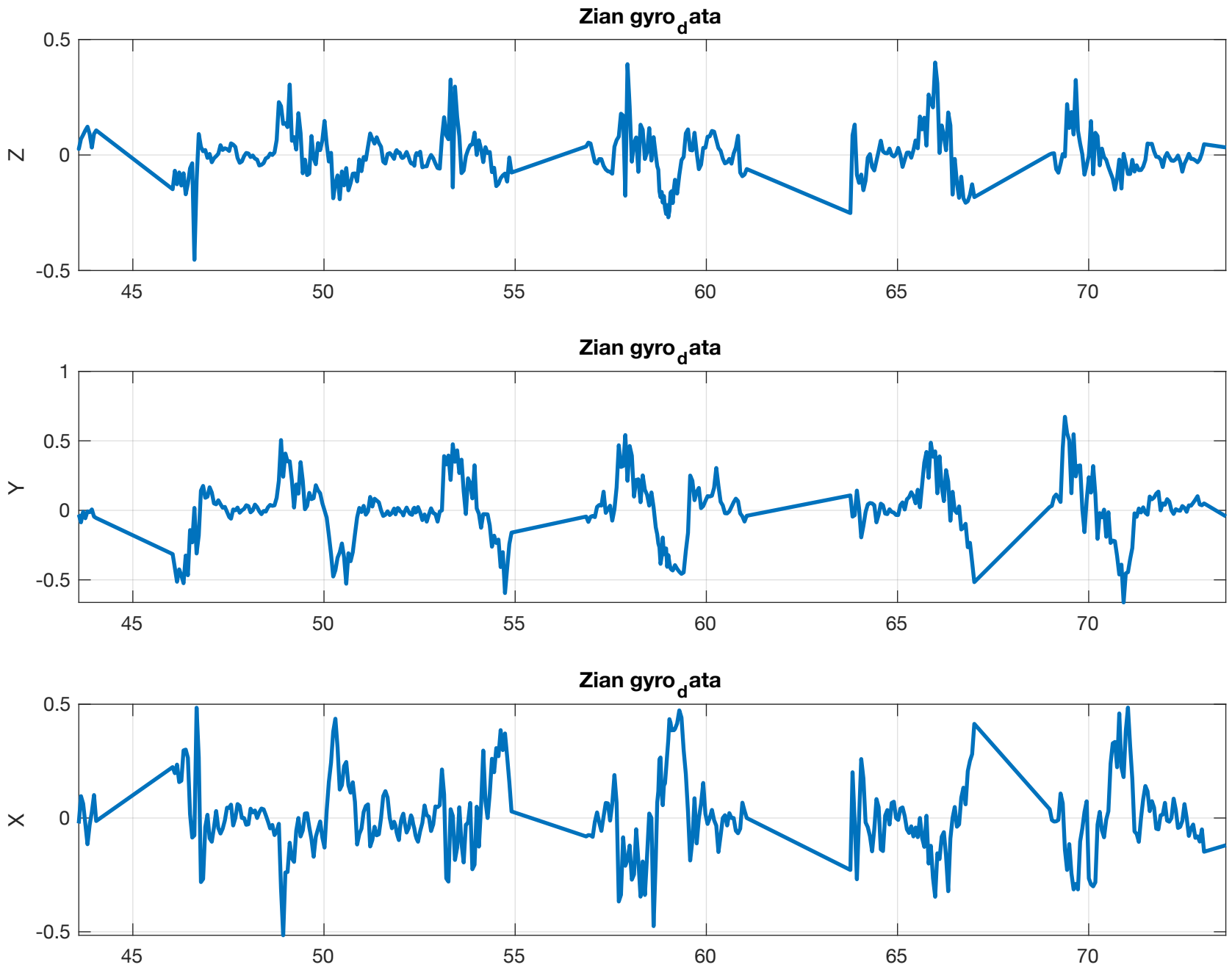

Zian bar_data
Relative Altitude
2
1
0
-1
-2
-3
50
55
60
65
70
75

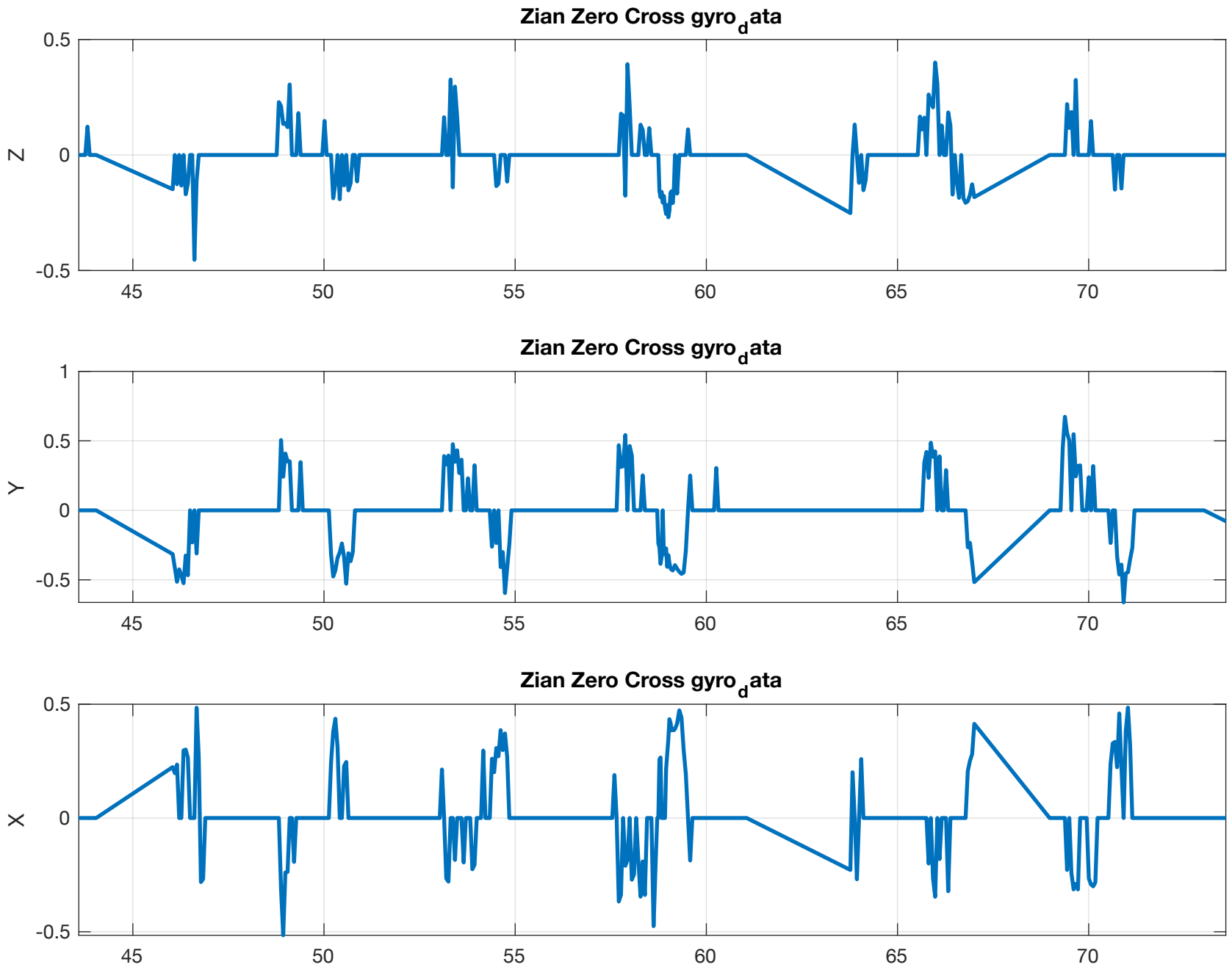

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
50
55
60
65
70
75


Zian Zero Cross bar_data
Relative Altitude
2
1
0
-1
-2
-3
50
55
60
65
70
75

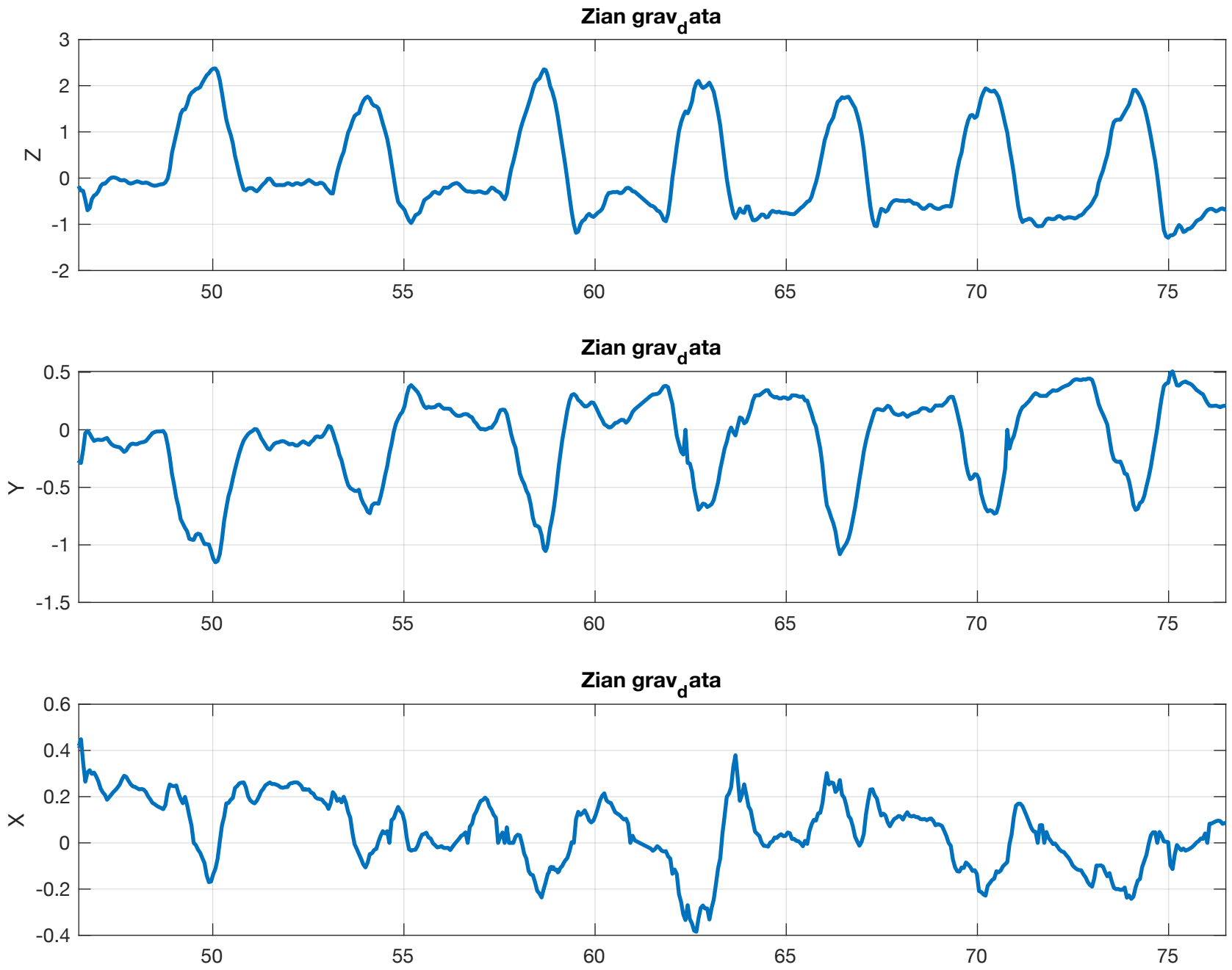

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
50
55
60
65
70
75

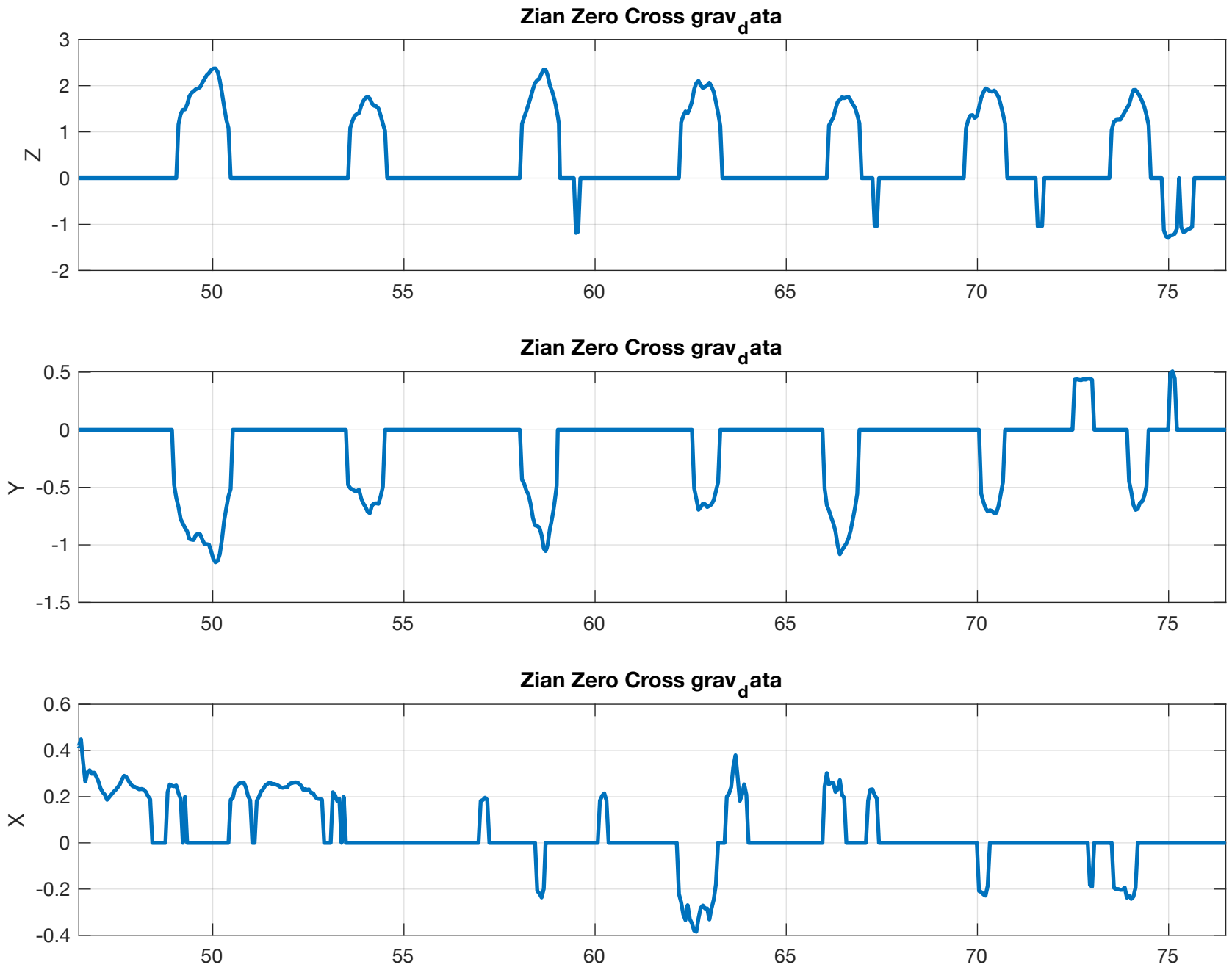
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-77.000	-62.000	-9.000	-15.500	"bar_data"
"Pressure"	-99.000	-59.000	-6.000	-15.500	"bar_data"


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

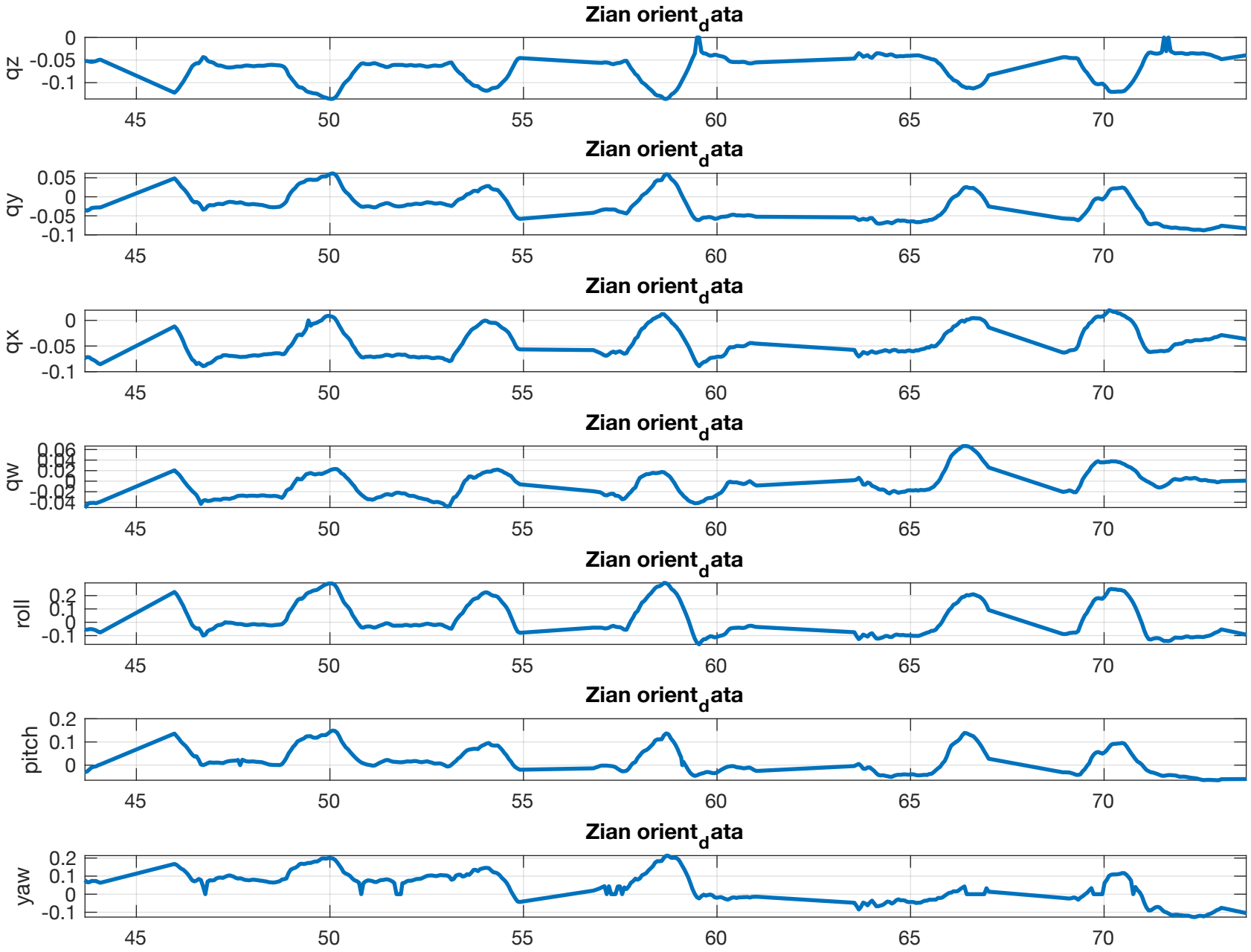

Zian Zero Cross gyro_data
Z
0.5
0
-0.5
45
50
55
60
65
70
Zian Zero Cross gyro_data
Y
1
0.5
0
-0.5
45
50
55
60
65
70
Zian Zero Cross gyro_data
X
0.5
0
-0.5
45
50
55
60
65
70

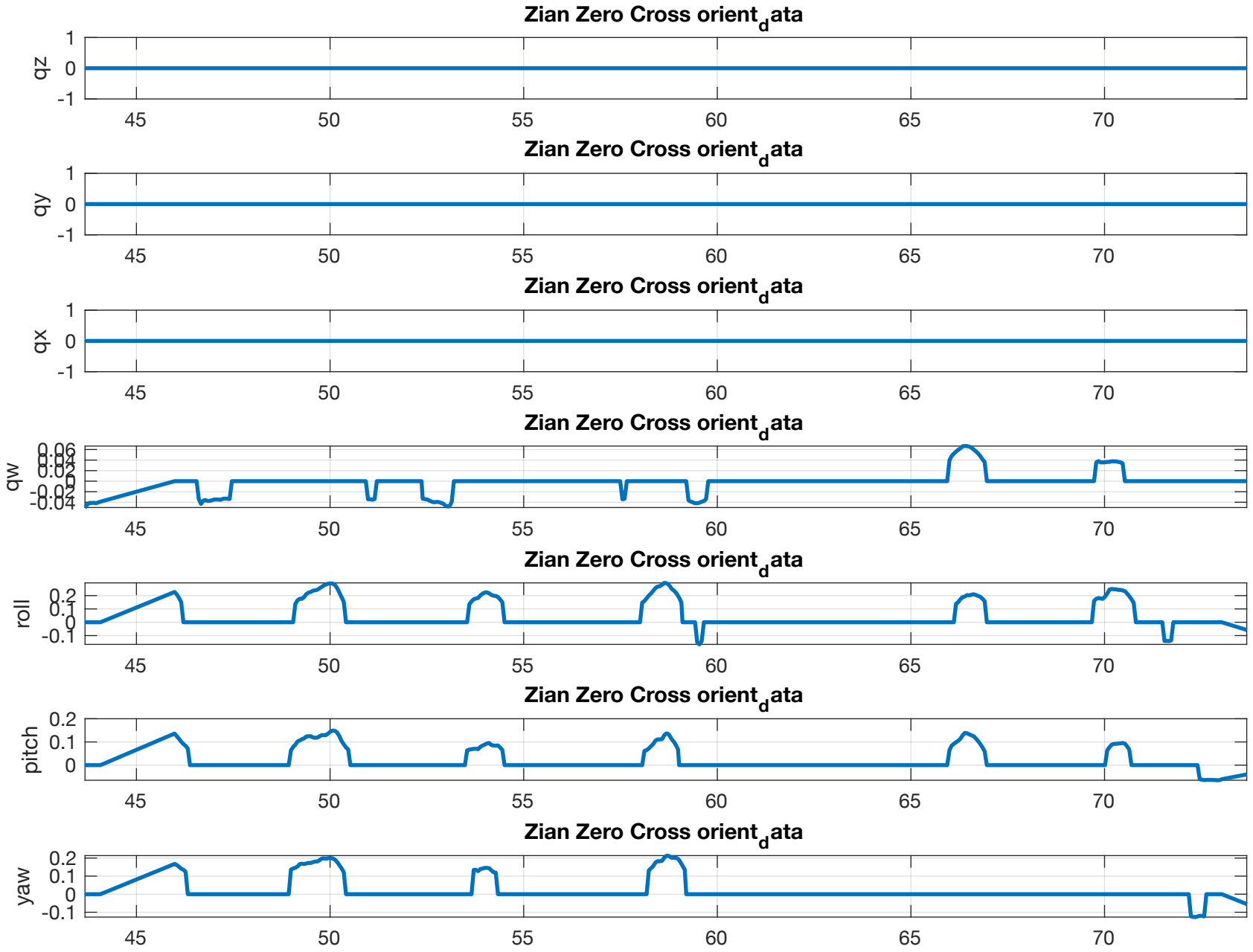
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-323.000	-230.000	-70.000	-54.500	"gyro_data"
'Y'	-333.000	-253.000	-62.000	-29.000	"gyro_data"
'X'	-281.000	-218.000	-64.000	-53.000	"gyro_data"


Zian grav_data
Z
3
2
1
0
-1
-2
50
55
60
65
70
75
Zian grav_data
Y
0.5
0
-0.5
-1
-1.5
50
55
60
65
70
75
Zian grav_data
X
0.6
0.4
0.2
0
-0.2
-0.4
50
55
60
65
70
75


Zian Zero Cross grav_data
Z
3
2
1
0
-1
-2
50
55
60
65
70
75
Zian Zero Cross grav_data
Y
0.5
0
-0.5
-1
-1.5
50
55
60
65
70
75
Zian Zero Cross grav_data
X
0.6
0.4
0.2
0
-0.2
-0.4
50
55
60
65
70
75

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-175.000	-39.000	-5.000	0.500	"grav_data"
'Y'	-160.000	-101.000	-22.000	8.000	"grav_data"
'X'	-243.000	-145.000	-30.000	-5.000	"grav_data"


Zian orientdata
qz
0
-0.05
-0.1
45
50
55
60
65
70
Zian orientdata
qy
0.05
0
-0.05
-0.1
45
50
55
60
65
70
Zian orientdata
qx
0
-0.05
-0.1
45
50
55
60
65
70
Zian orientdata
qw
0.06
0.04
0.02
0
-0.02
-0.04
45
50
55
60
65
70
Zian orientdata
roll
0.2
0.1
0
-0.1
45
50
55
60
65
70
Zian orientdata
pitch
0.2
0.1
0
45
50
55
60
65
70
Zian orientdata
yaw
0.2
0.1
0
-0.1
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
0.06
0.04
0.02
0
-0.02
-0.04
45
50
55
60
65
70
Zian Zero Cross orientdata
roll
0.2
0.1
0
-0.1
45
50
55
60
65
70
Zian Zero Cross orientdata
pitch
0.2
0.1
0
45
50
55
60
65
70
Zian Zero Cross orientdata
yaw
0.2
0.1
0
-0.1
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-130.000	10.000	19.000	21.000	"orient_data"
'qy'	-139.000	-17.000	5.000	21.000	"orient_data"
'qx'	-151.000	-27.000	1.000	21.000	"orient_data"
'qw'	-132.000	-65.000	-8.000	12.000	"orient_data"
'roll'	-131.000	-23.000	2.000	8.500	"orient_data"
'pitch'	-114.000	-41.000	-3.000	9.500	"orient_data"
'yaw'	-175.000	-78.000	2.000	9.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	69.500
'bar_data'	"Pressure"	'double_findpeaks'	6.000
'gyro_data'	"Y"	'zero_cross'	29.000
'grav_data'	"Z"	'zero_cross'	0.500
'orient_data'	"qx"	'double_findpeaks'	1.000