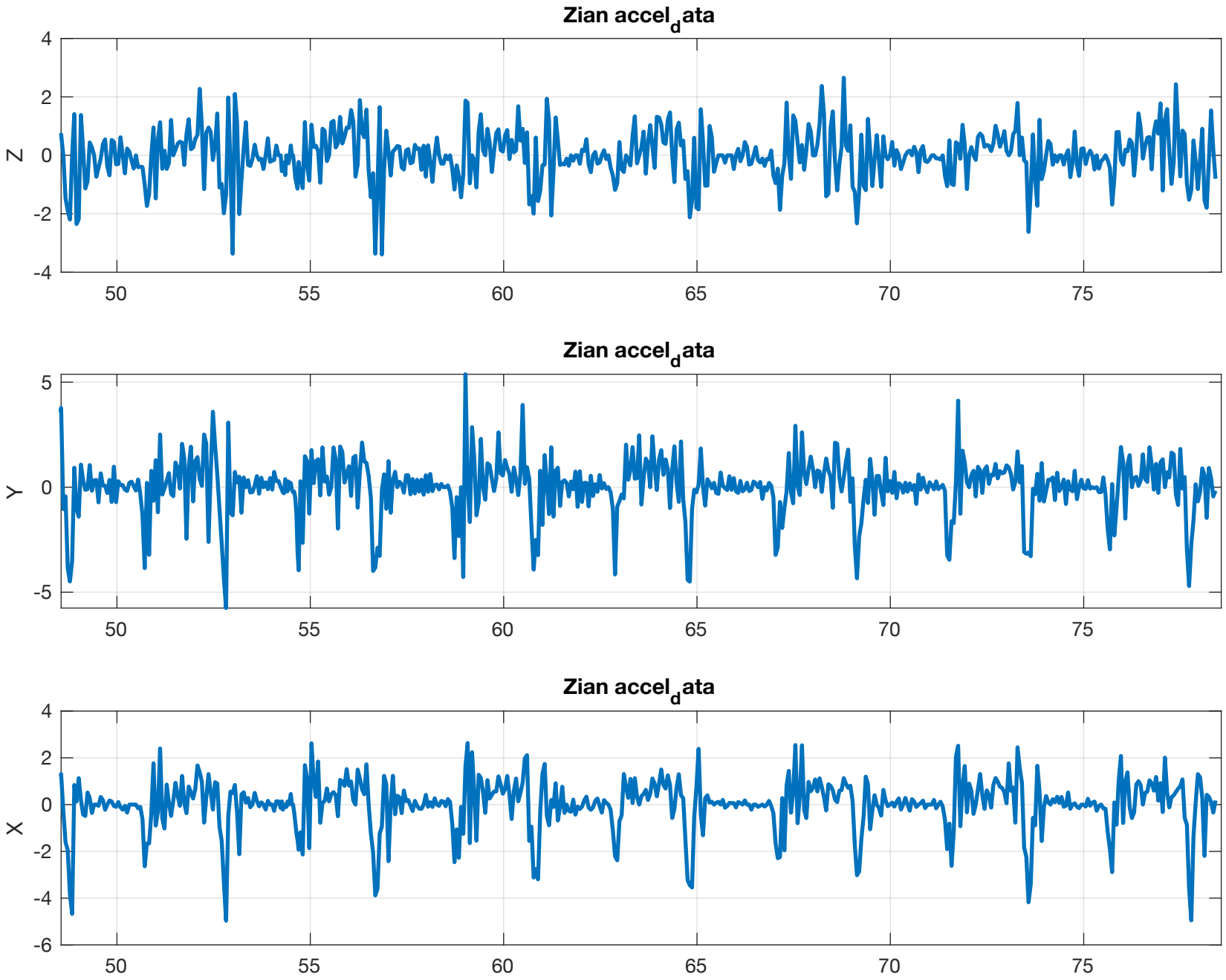
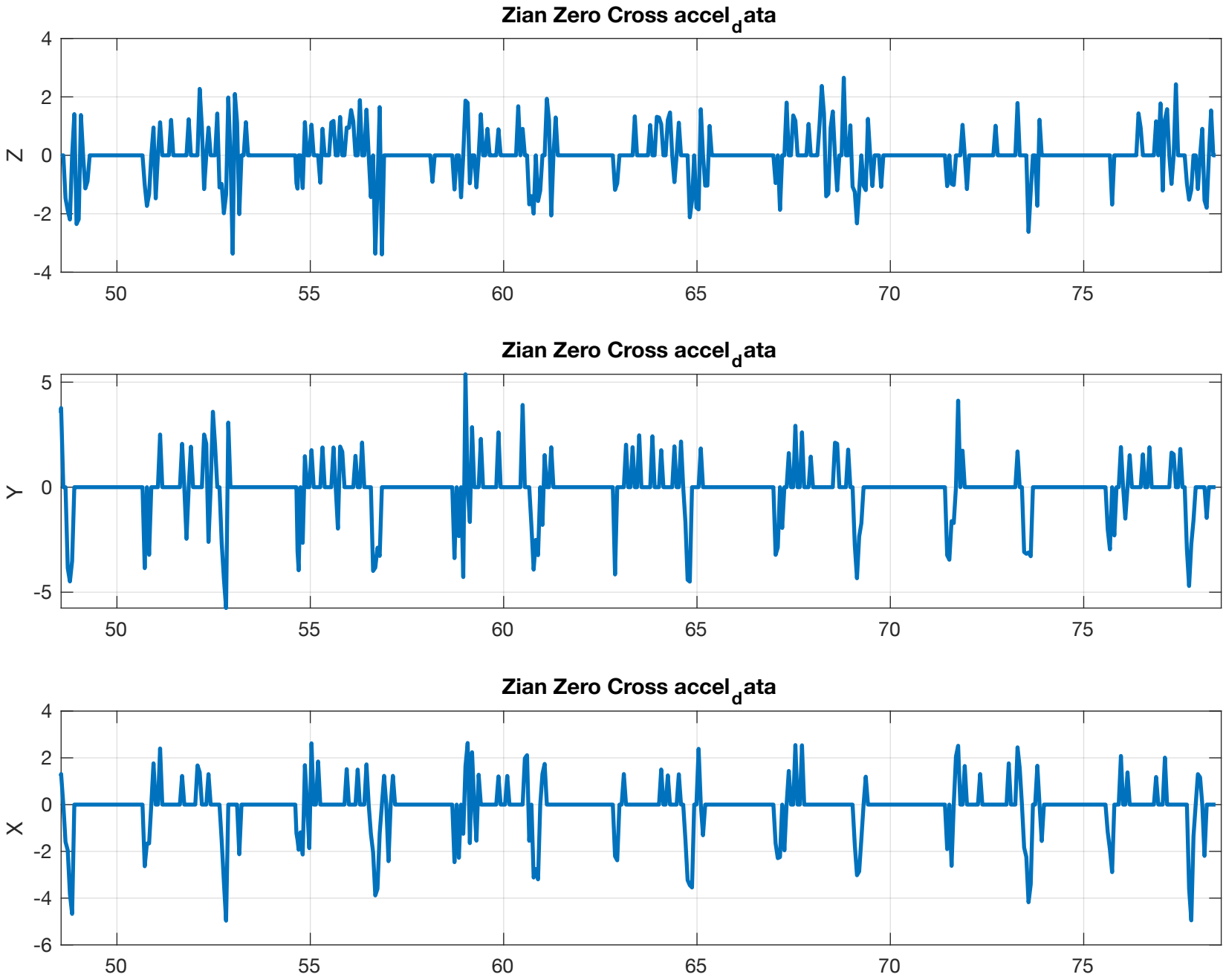
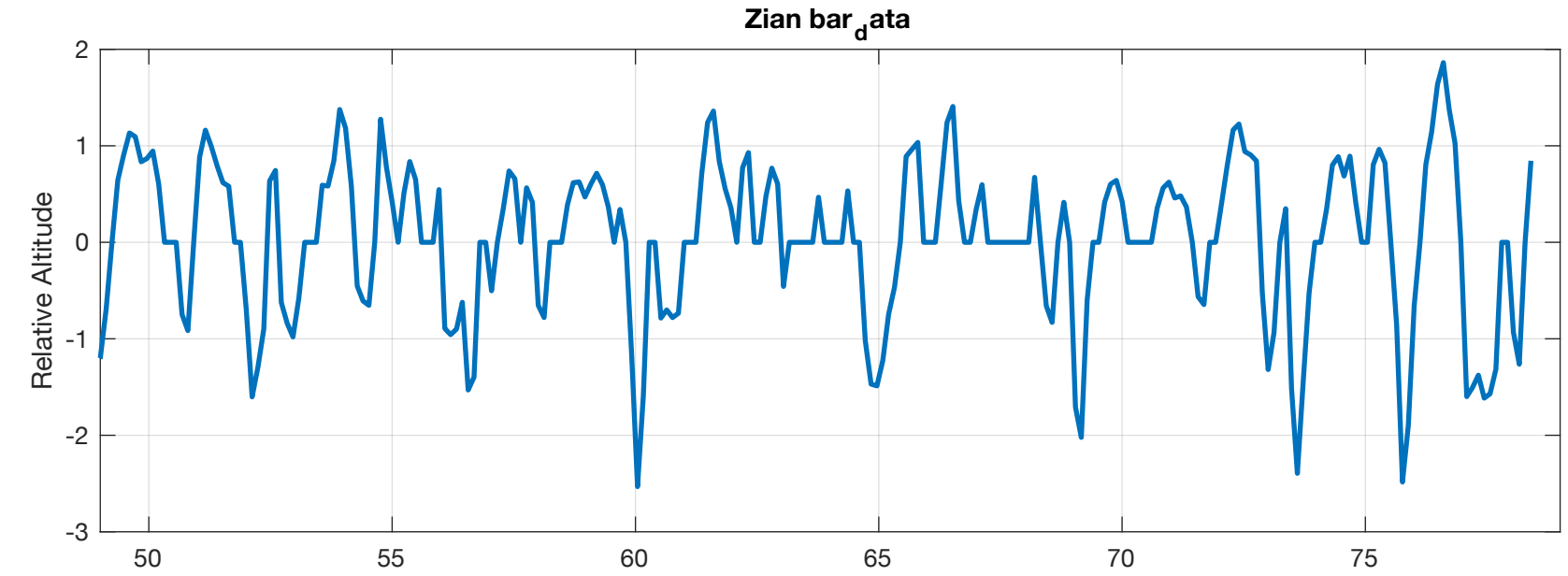
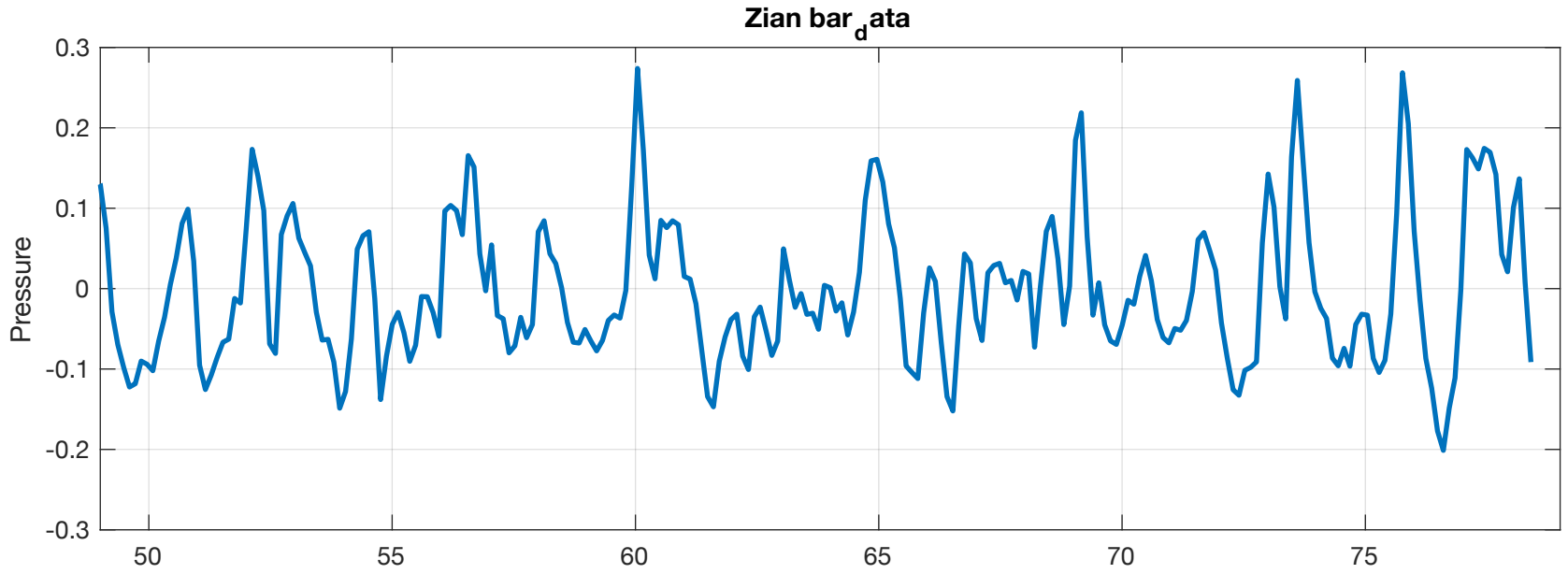
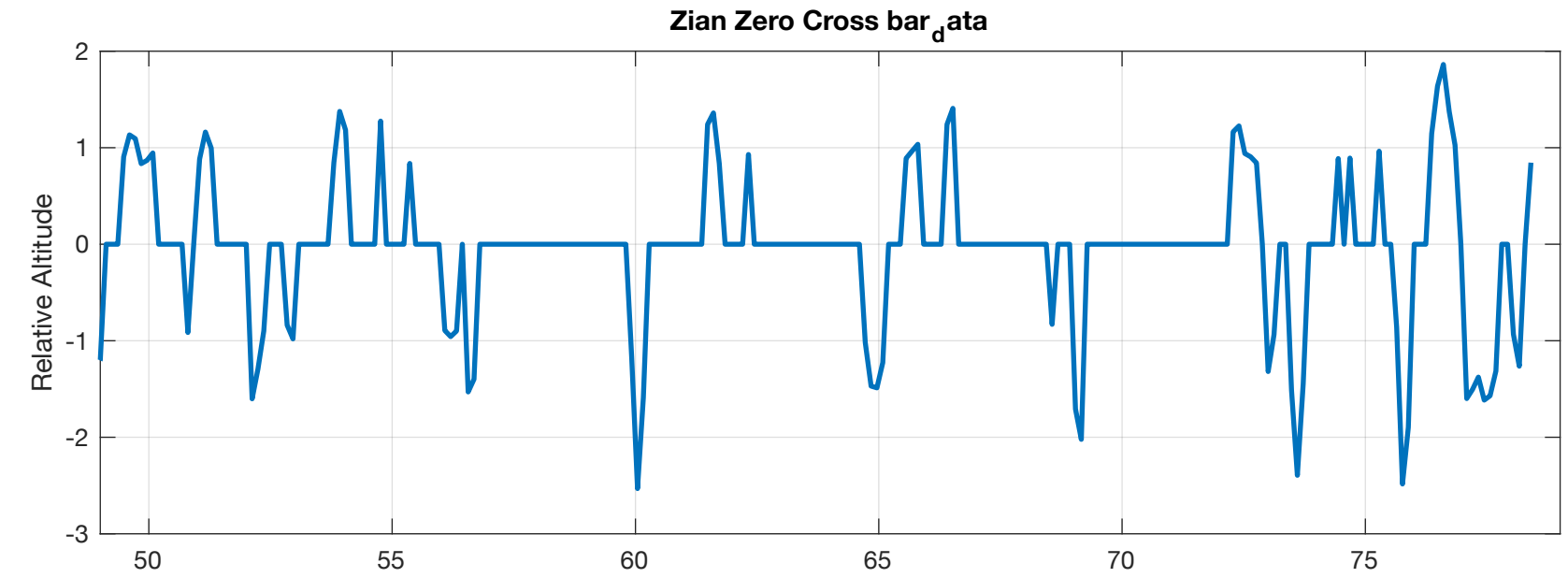

Zian accel_data
Z
4
2
0
-2
-4
50
55
60
65
70
75
Zian accel_data
Y
5
0
-5
50
55
60
65
70
75
Zian accel_data
X
4
2
0
-2
-4
-6
50
55
60
65
70
75

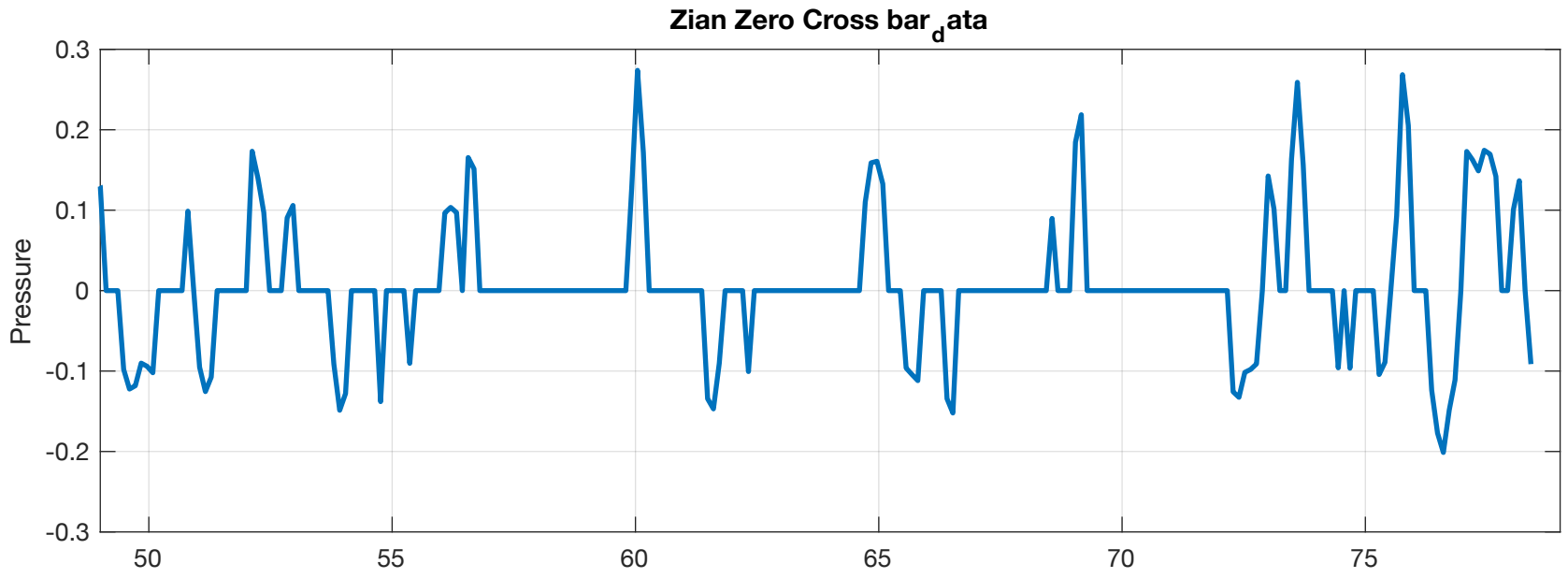

Zian Zero Cross accel_data
Z
4
2
0
-2
-4
50
55
60
65
70
75
Zian Zero Cross accel_data
Y
5
0
-5
50
55
60
65
70
75
Zian Zero Cross accel_data
X
4
2
0
-2
-4
-6
50
55
60
65
70
75

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-192.000	-152.000	-48.000	-63.000	"accel_data"
'Y'	-226.000	-205.000	-63.000	-48.500	"accel_data"
'X'	-197.000	-173.000	-58.000	-41.500	"accel_data"

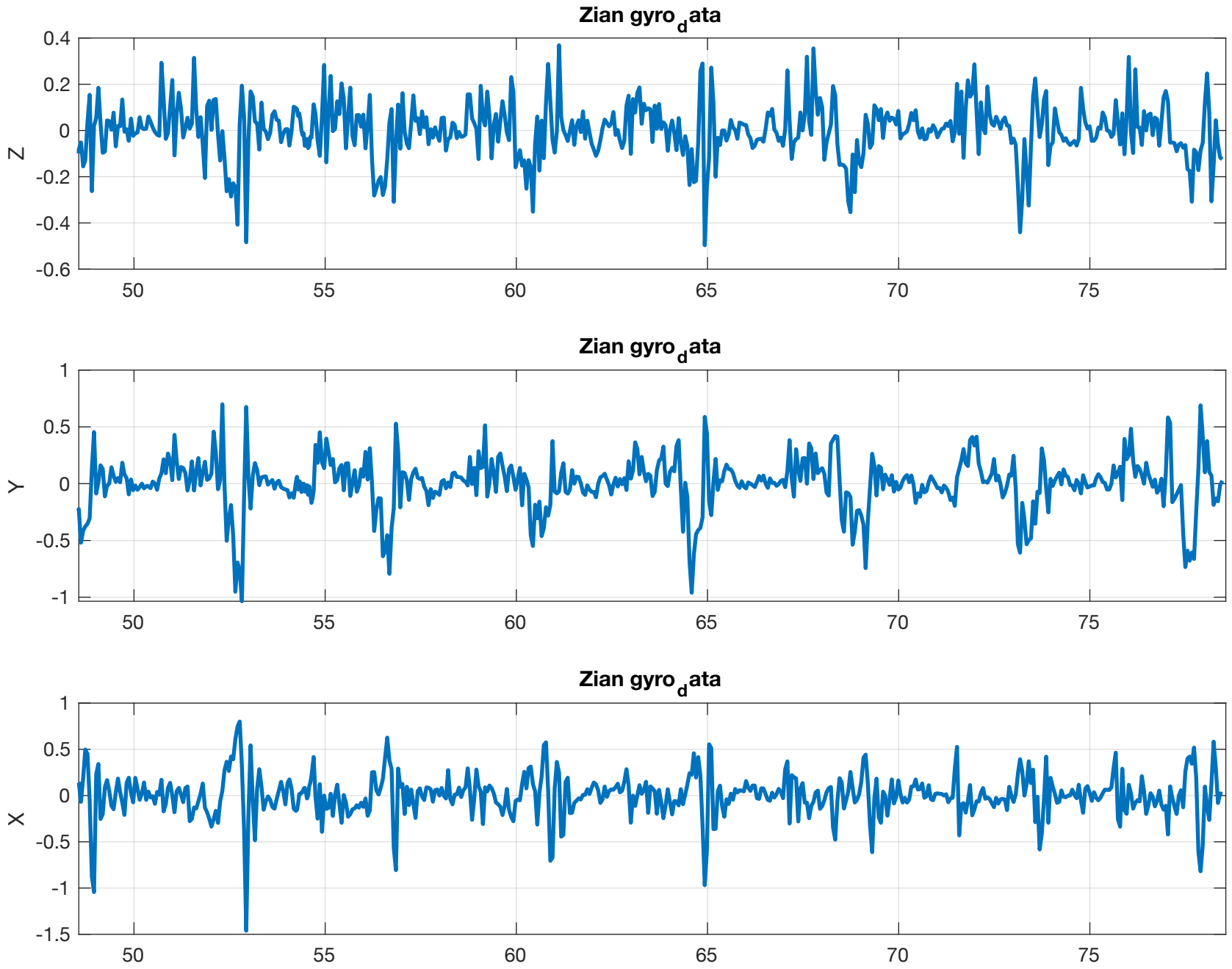

Zian bar_data
Relative Altitude
2
1
0
-1
-2
-3
50
55
60
65
70
75

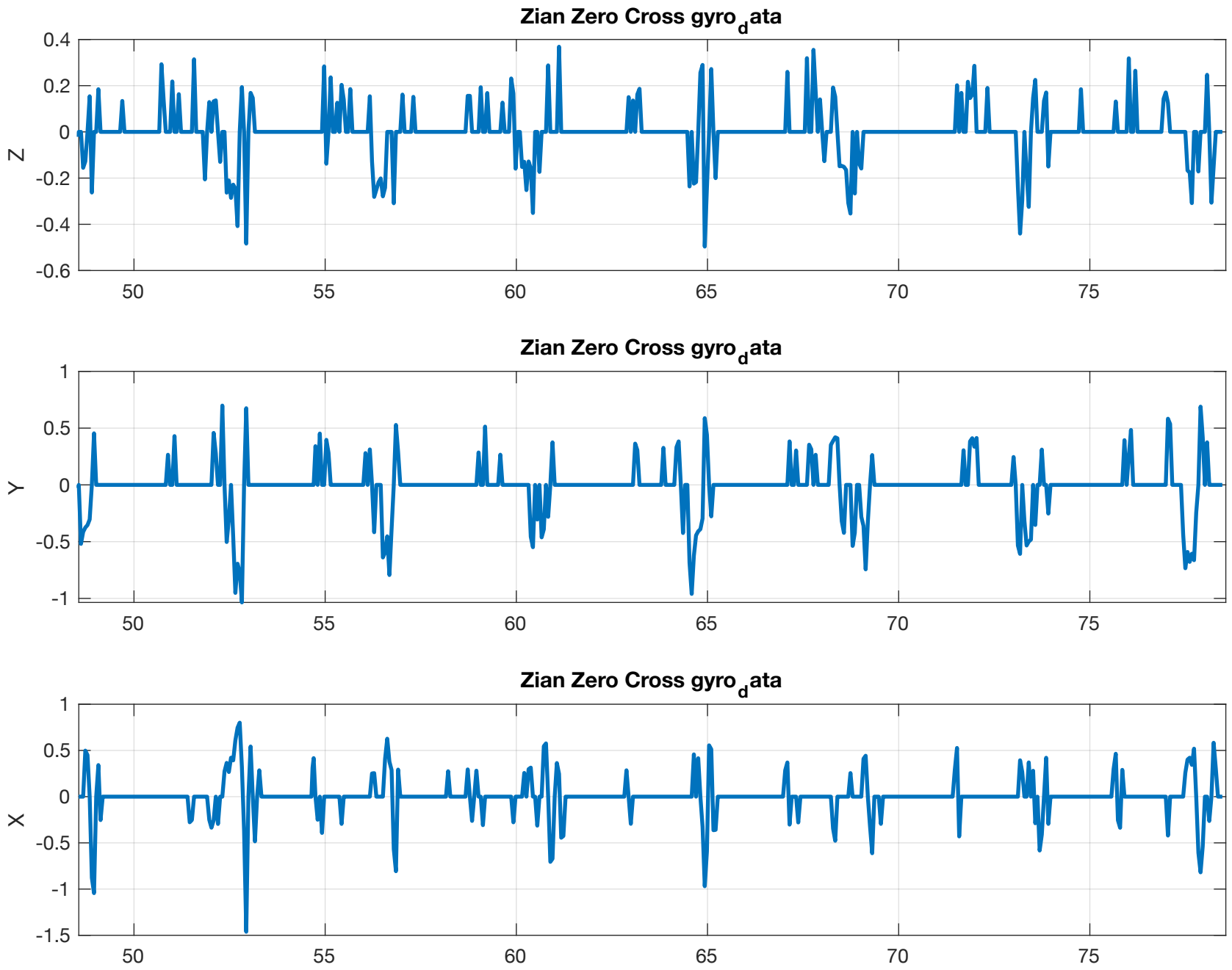

Zian bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
50
55
60
65
70
75


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

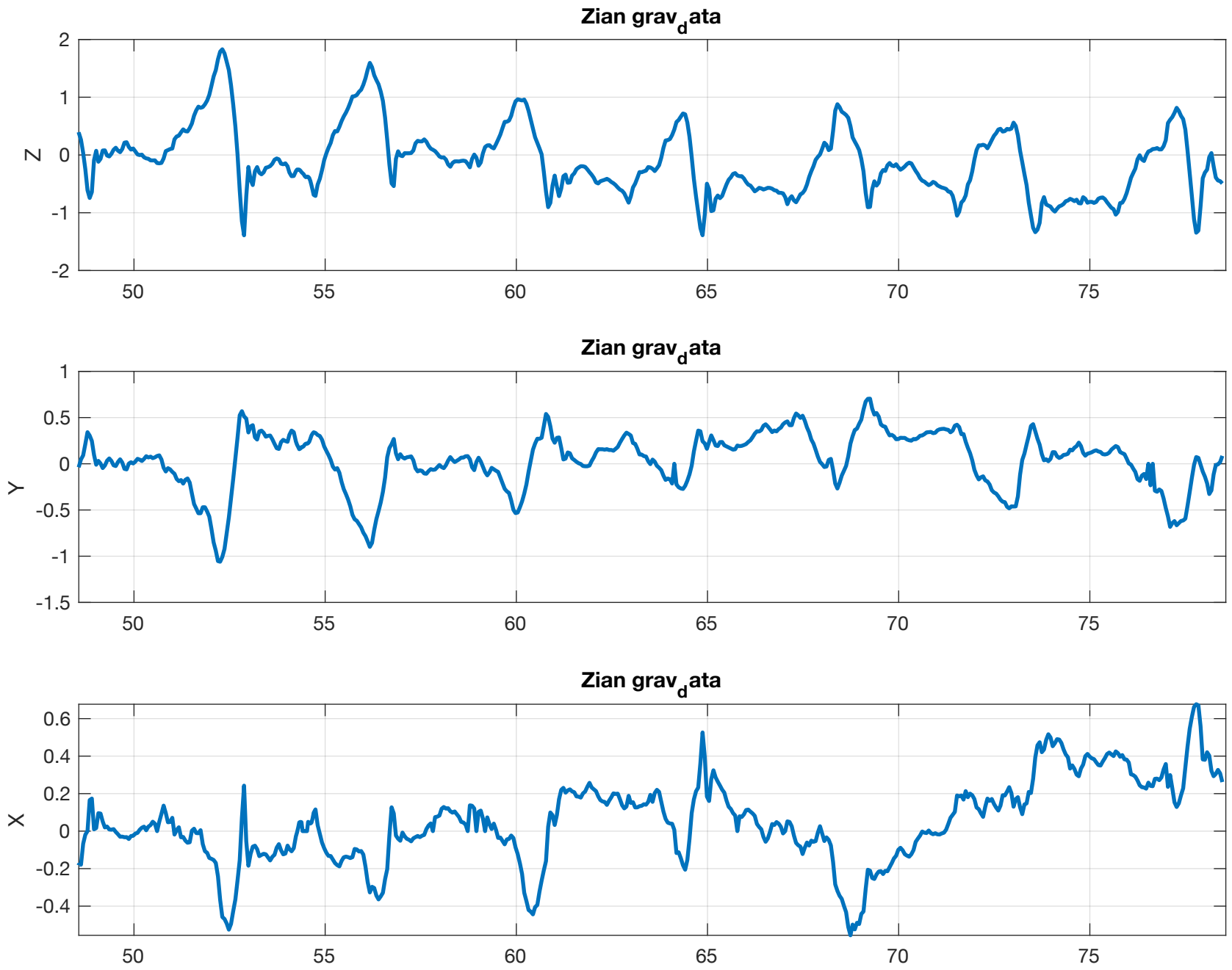

Zian Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
50
55
60
65
70
75

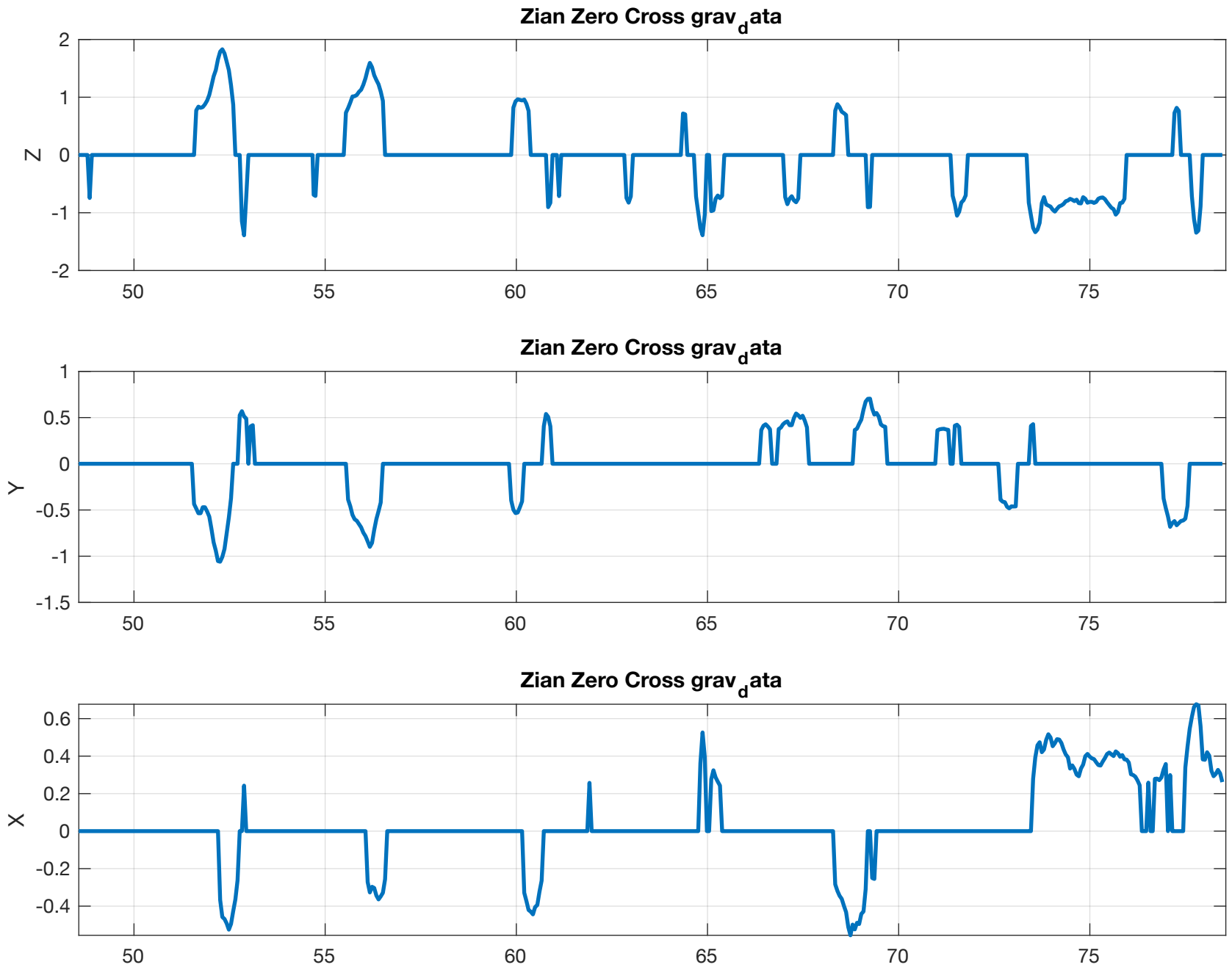
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-43.000	-32.000	-5.000	-8.750	"bar_data"
"Pressure"	-54.000	-31.000	-8.000	-8.750	"bar_data"


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

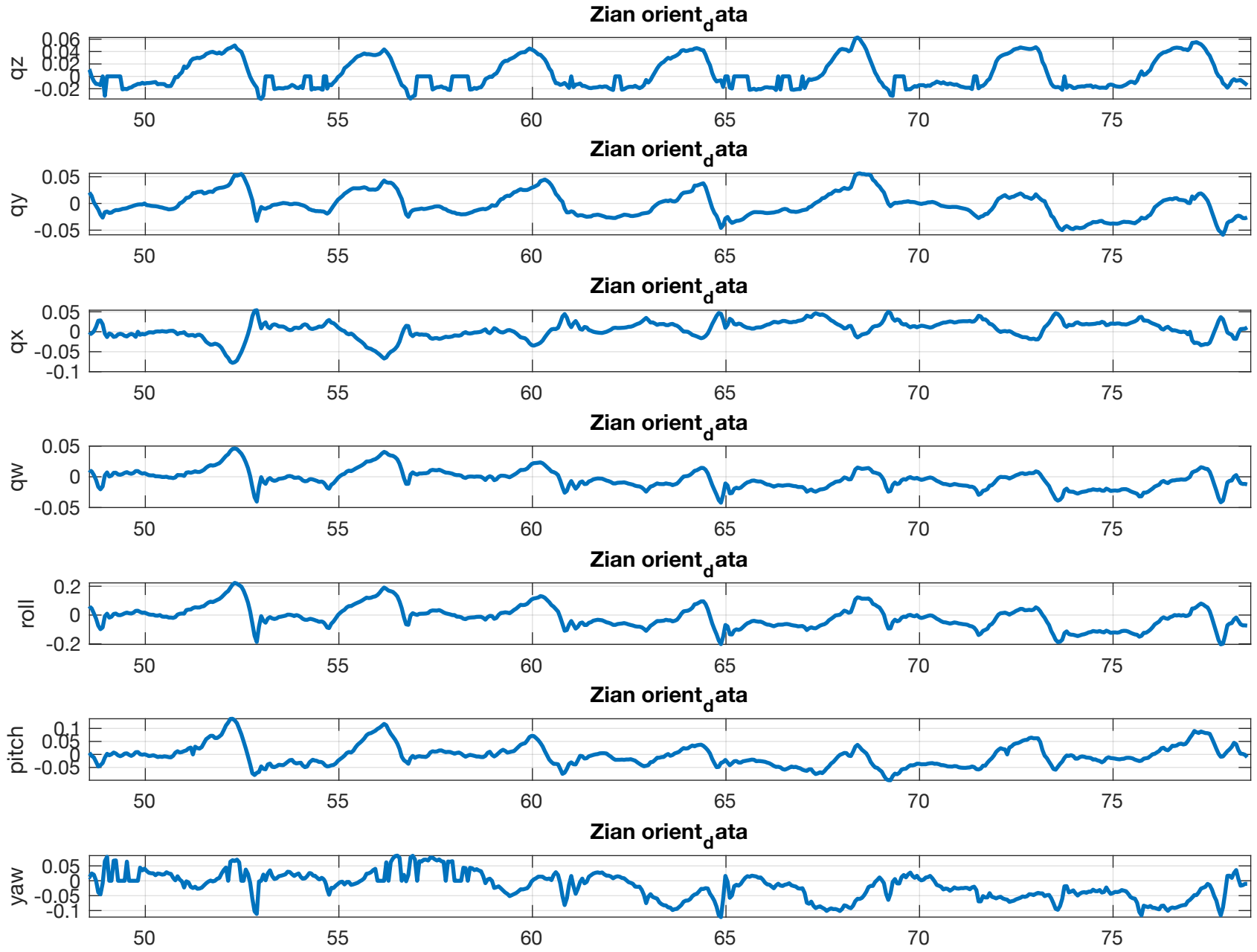

Zian Zero Cross gyro_data
Z
0.4
0.2
0
-0.2
-0.4
-0.6
50
55
60
65
70
75
Zian Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
50
55
60
65
70
75
Zian Zero Cross gyro_data
X
1
0.5
0
-0.5
-1
-1.5
50
55
60
65
70
75

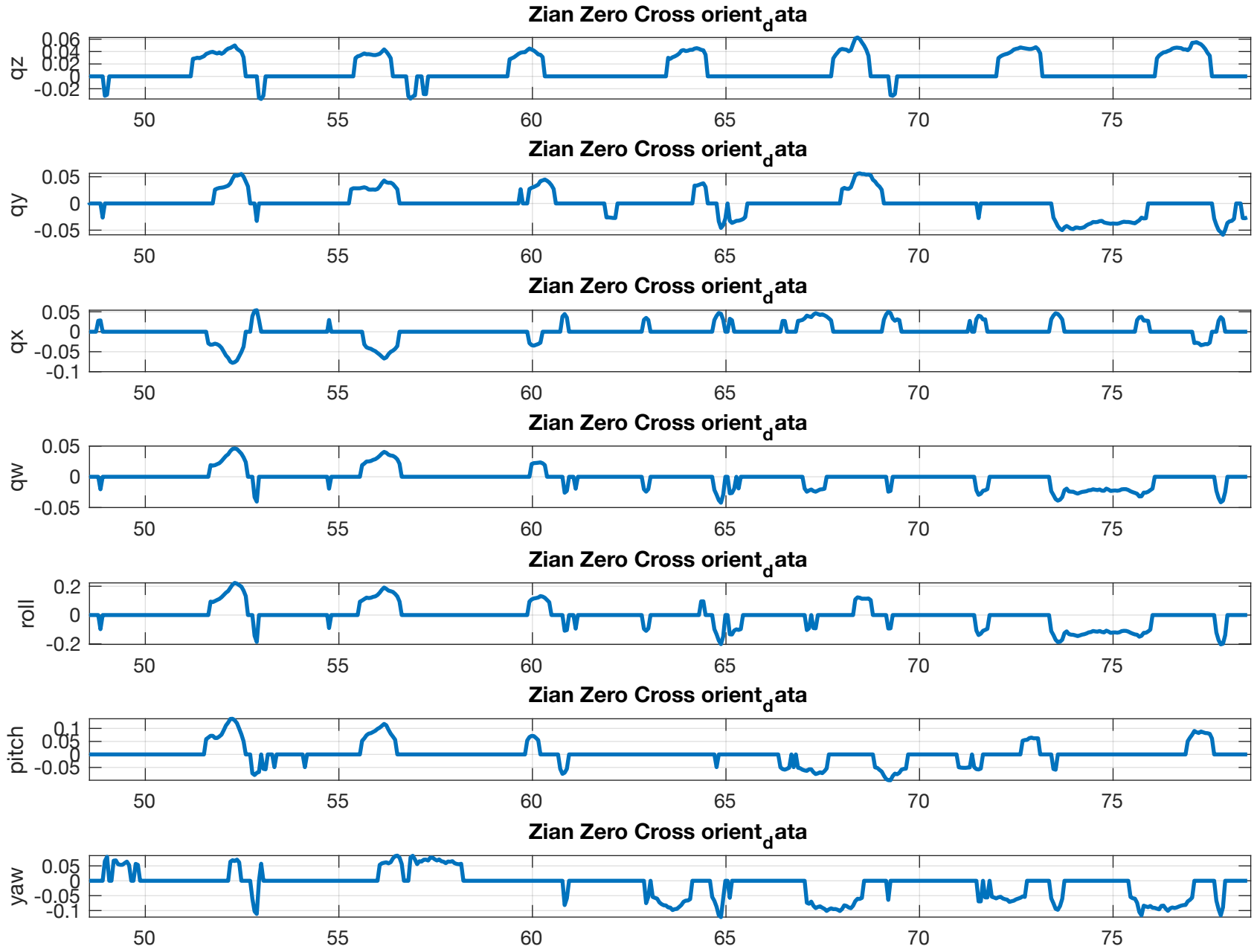
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-190.000	-155.000	-45.000	-47.500	"gyro_data"
'Y'	-194.000	-152.000	-45.000	-31.000	"gyro_data"
'X'	-181.000	-145.000	-43.000	-39.000	"gyro_data"


Zian grav_data
Z
2
1
0
-1
-2
50
55
60
65
70
75
Zian grav_data
Y
1
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
2
1
0
-1
-2
50
55
60
65
70
75
Zian Zero Cross grav_data
Y
1
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'	-73.000	-28.000	-3.000	-2.500	"grav_data"
'Y'	-88.000	-67.000	-14.000	0.500	"grav_data"
'X'	-117.000	-71.000	-18.000	-0.250	"grav_data"


Zian orientdata
qz
0.06
0.04
0.02
0
-0.02
50
55
60
65
70
75
Zian orientdata
qy
0.05
0
-0.05
50
55
60
65
70
75
Zian orientdata
qx
0.05
0
-0.05
-0.1
50
55
60
65
70
75
Zian orientdata
qw
0.05
0
-0.05
50
55
60
65
70
75
Zian orientdata
roll
0.2
0
-0.2
50
55
60
65
70
75
Zian orientdata
pitch
0.1
0.05
0
-0.05
50
55
60
65
70
75
Zian orientdata
yaw
0.05
0
-0.05
-0.1
50
55
60
65
70
75


Zian Zero Cross orientdata
qz
0.06
0.04
0.02
0
-0.02
50
55
60
65
70
75
Zian Zero Cross orientdata
qy
0.05
0
-0.05
50
55
60
65
70
75
Zian Zero Cross orientdata
qx
0.05
0
-0.05
-0.1
50
55
60
65
70
75
Zian Zero Cross orientdata
qw
0.05
0
-0.05
50
55
60
65
70
75
Zian Zero Cross orientdata
roll
0.2
0
-0.2
50
55
60
65
70
75
Zian Zero Cross orientdata
pitch
0.1
0.05
0
-0.05
50
55
60
65
70
75
Zian Zero Cross orientdata
yaw
0.05
0
-0.05
-0.1
50
55
60
65
70
75

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-103.000	-24.000	-4.000	1.000	"orient_data"
'qy'	-76.000	-38.000	-6.000	-0.250	"orient_data"
'qx'	-96.000	-64.000	-13.000	-2.000	"orient_data"
'qw'	-80.000	-34.000	-3.000	-1.000	"orient_data"
'roll'	-80.000	-31.000	-6.000	-3.000	"orient_data"
'pitch'	-87.000	-36.000	-5.000	-1.500	"orient_data"
'yaw'	-128.000	-71.000	-14.000	-3.000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'zero_cross'	41.500
'bar_data'	"Relative Altitude"	'double_findpeaks'	5.000
'gyro_data'	"Y"	'zero_cross'	31.000
'grav_data'	"X"	'zero_cross'	0.250
'orient_data'	"qy"	'zero_cross'	0.250