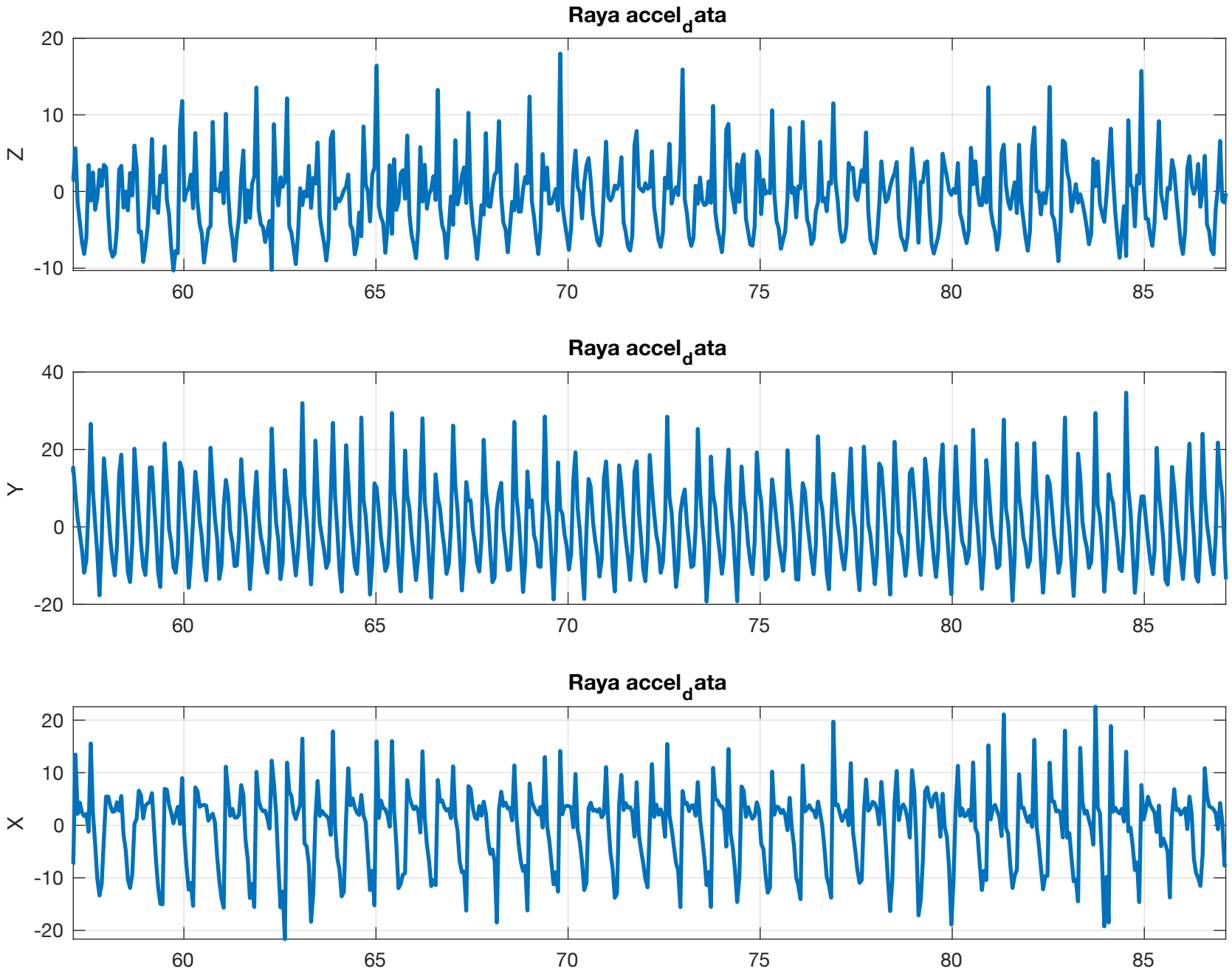
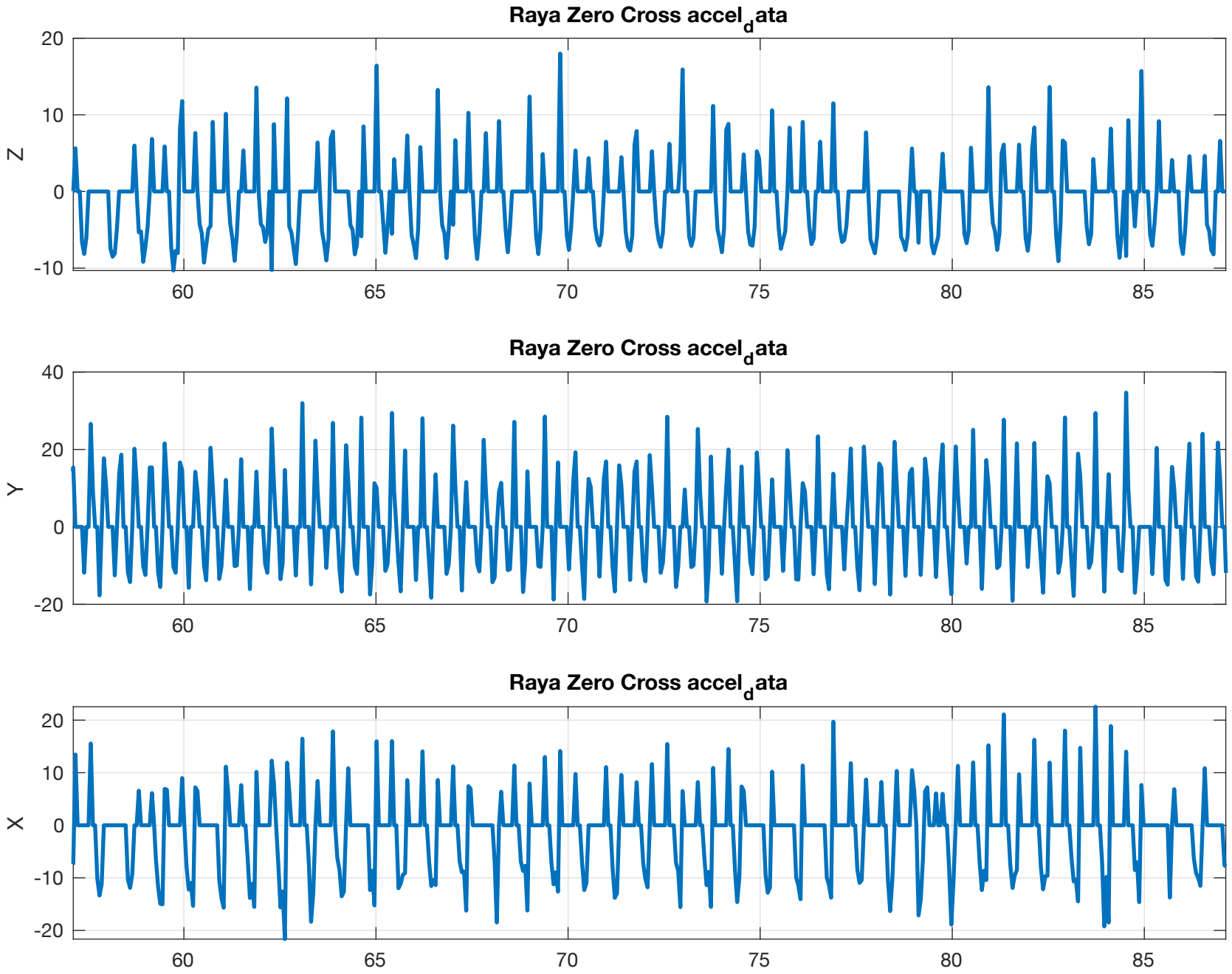
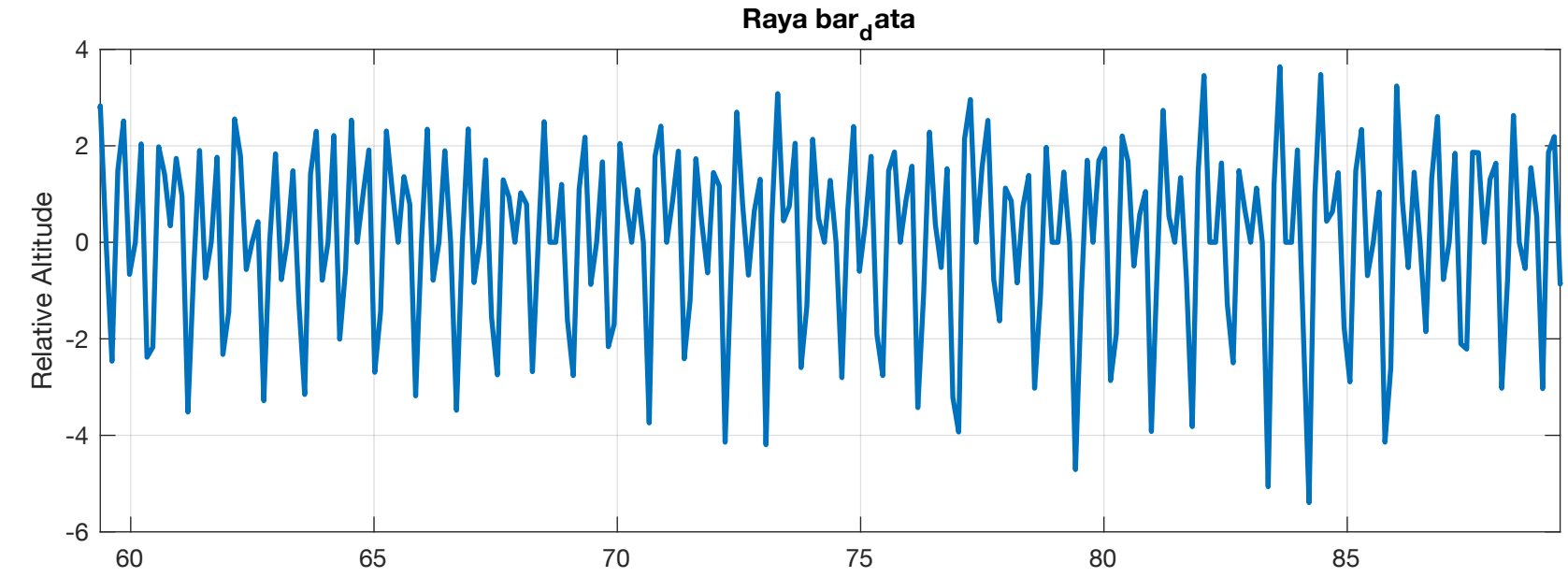
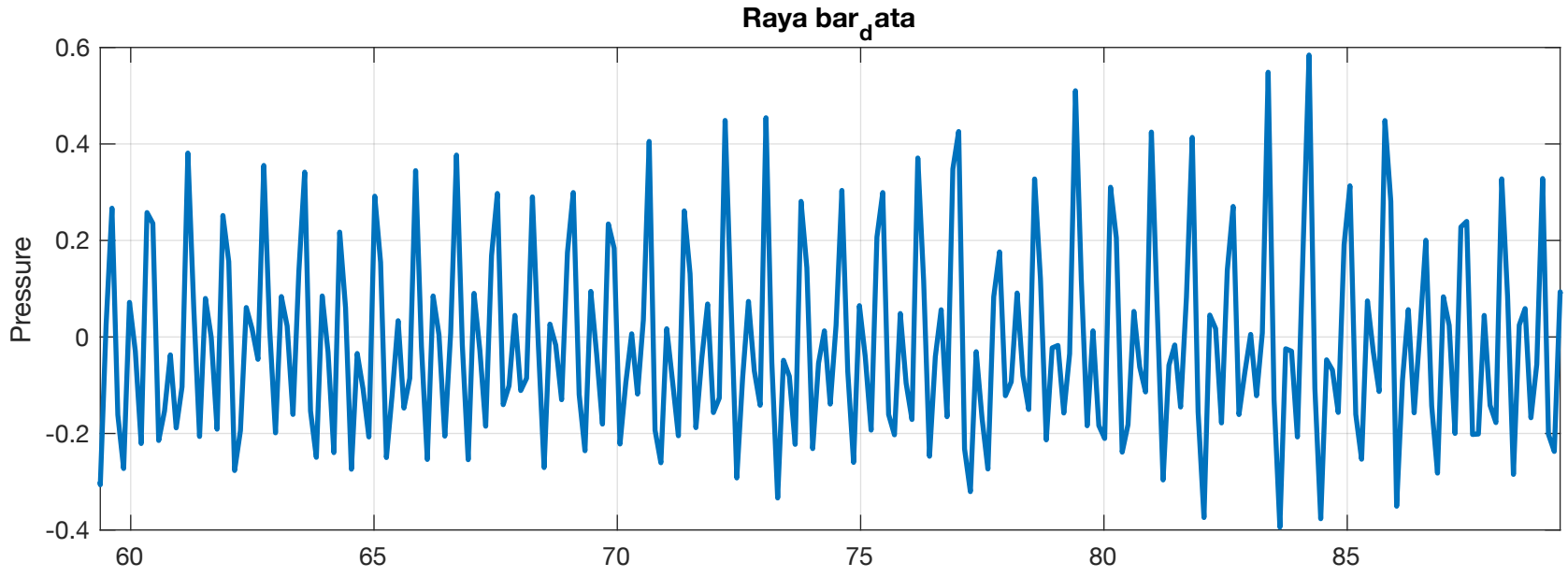
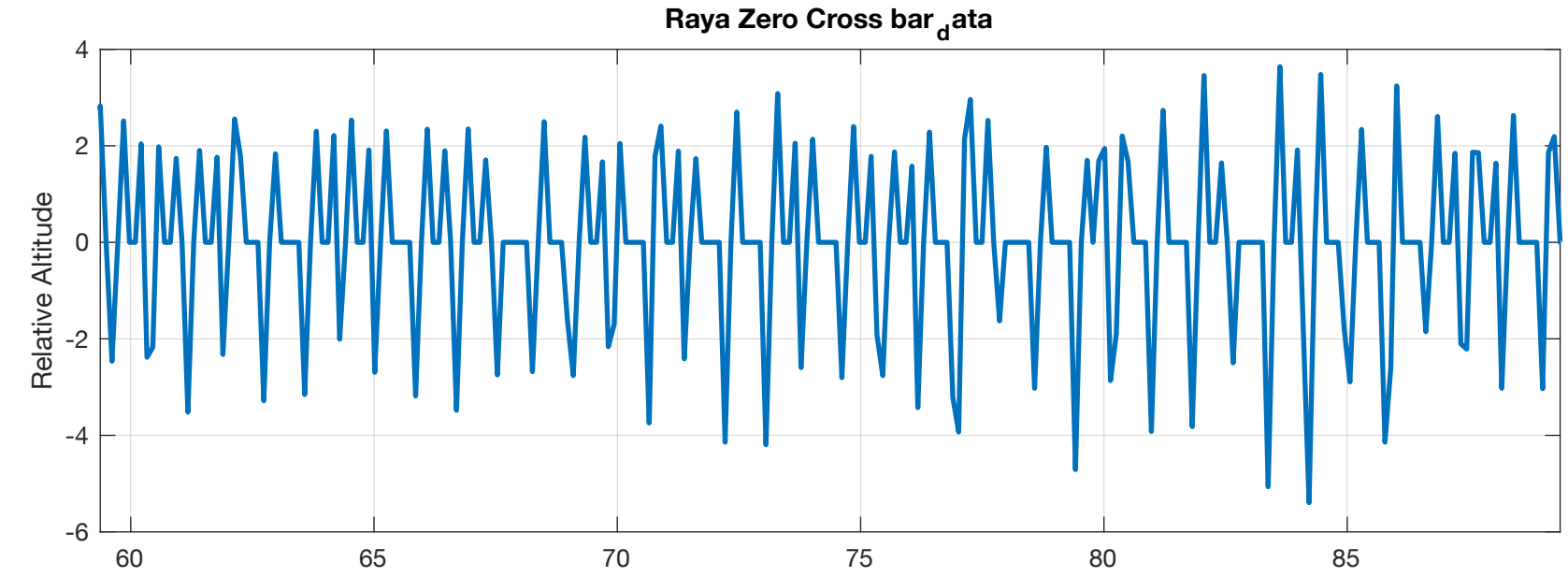

Raya accel_data
Z
20
10
0
-10
60
65
70
75
80
85
Raya accel_data
Y
40
20
0
-20
60
65
70
75
80
85
Raya accel_data
X
20
10
0
-10
-20
60
65
70
75
80
85

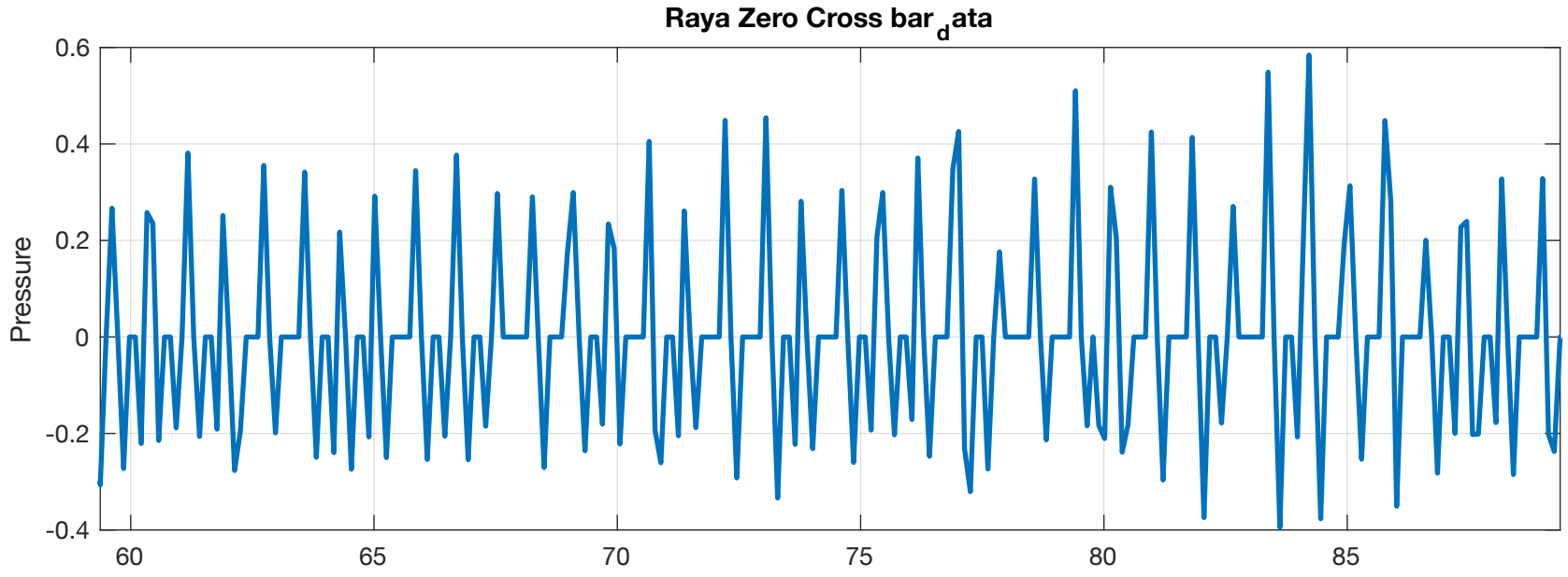

Raya Zero Cross accel_data
Z
20
10
0
-10
60
65
70
75
80
85
Raya Zero Cross accel_data
Y
40
20
0
-20
60
65
70
75
80
85
Raya Zero Cross accel_data
X
20
10
0
-10
-20
60
65
70
75
80
85

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-708.000	-611.000	-57.000	10.500	"accel_data"
'Y'	-391.000	-266.000	66.000	-51.500	"accel_data"
'X'	-726.000	-583.000	-47.000	46.000	"accel_data"

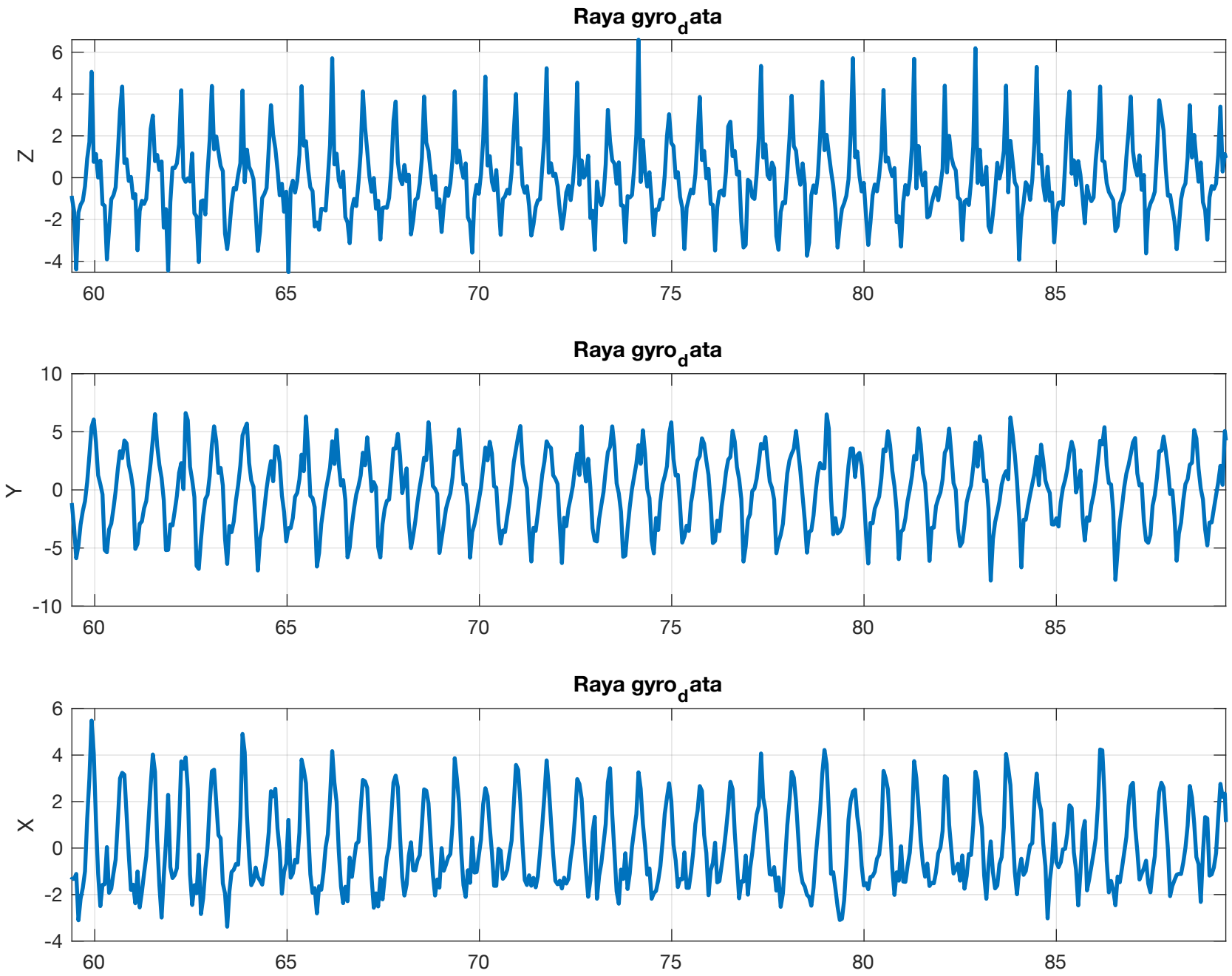

Raya bar_data
Relative Altitude
4
2
0
-2
-4
-6
60
65
70
75
80
85

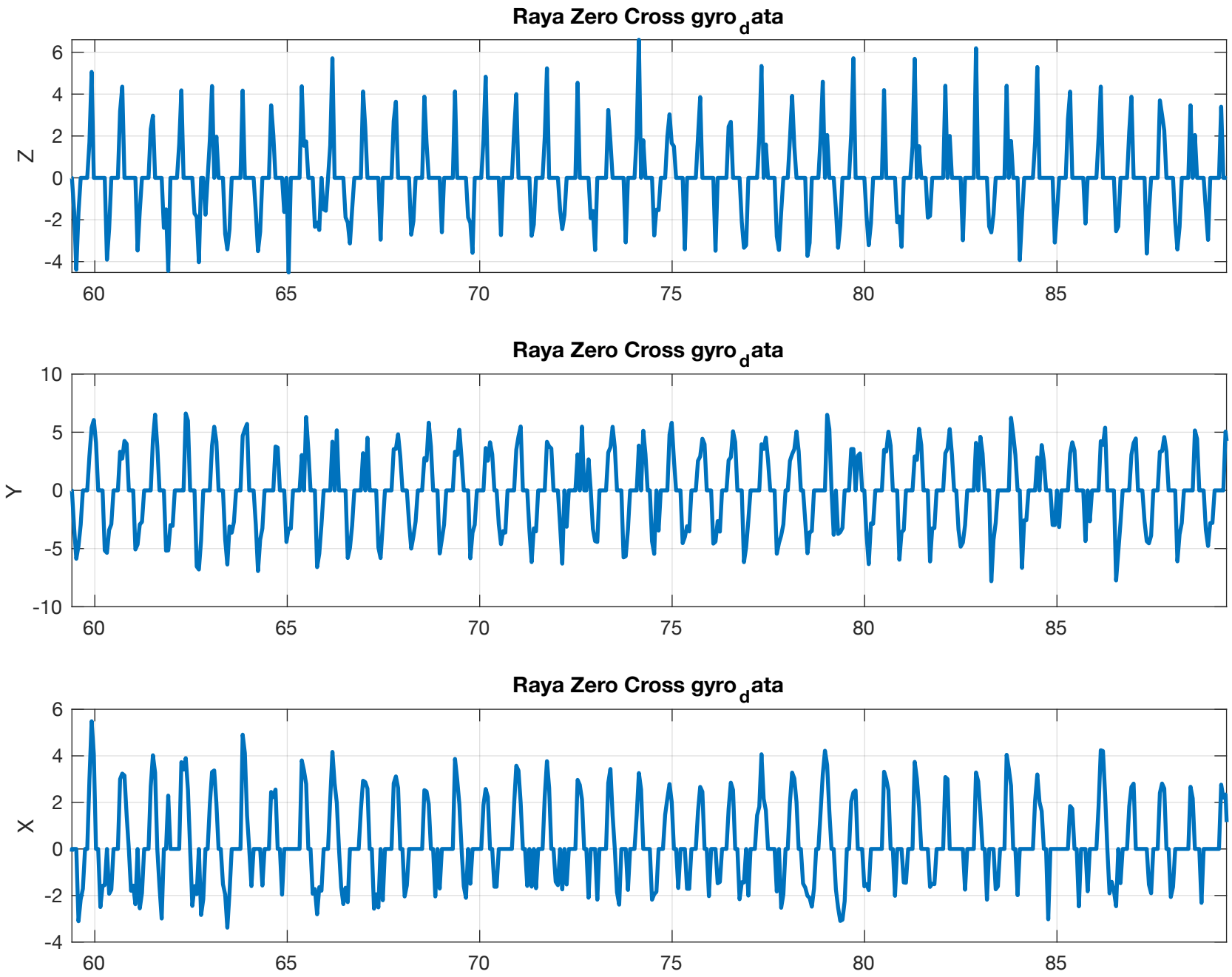

Raya bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
60
65
70
75
80
85


Raya Zero Cross bar_data
Relative Altitude
4
2
0
-2
-4
-6
60
65
70
75
80
85

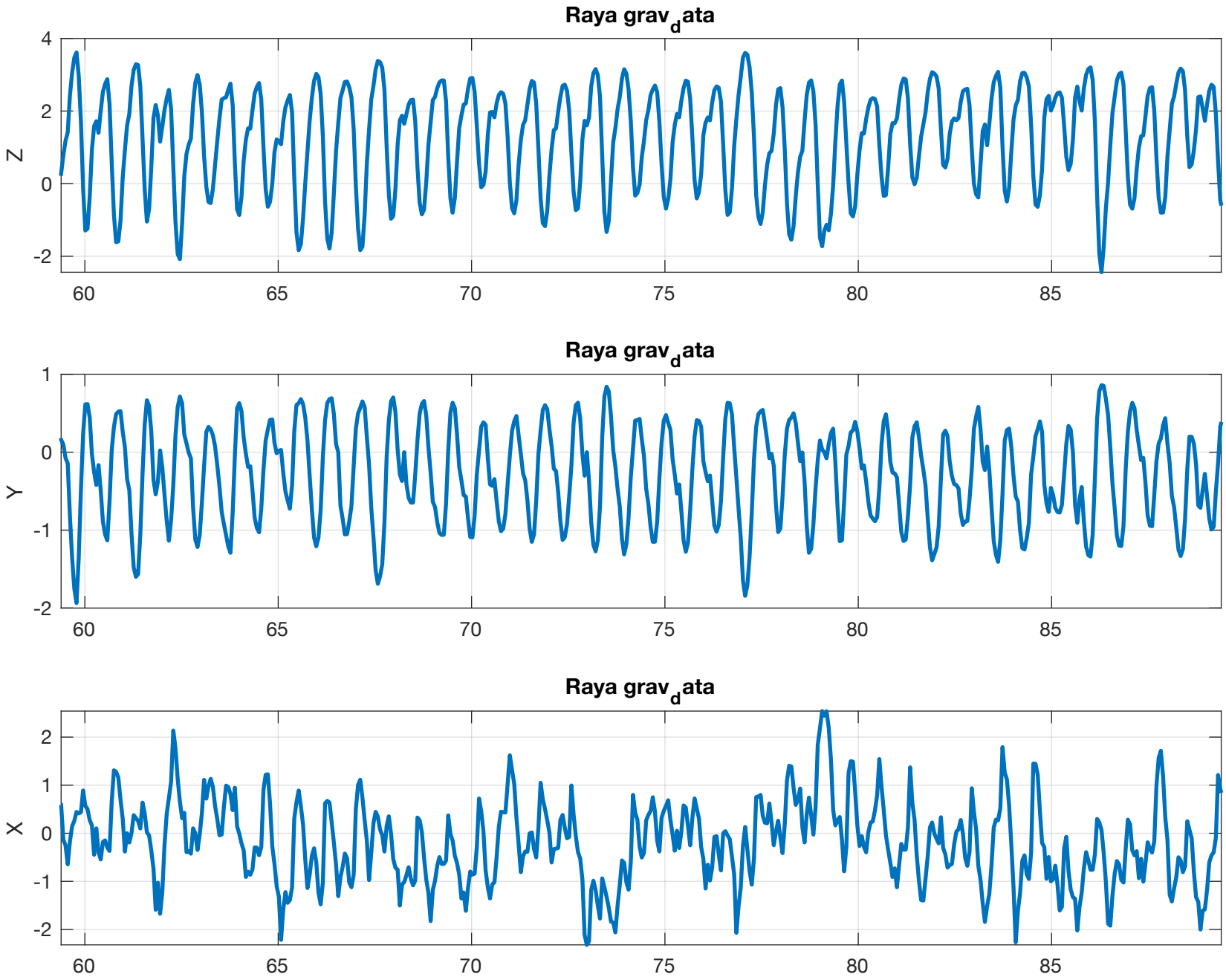

Raya Zero Cross bar_data
Pressure
0.6
0.4
0.2
0
-0.2
-0.4
60
65
70
75
80
85

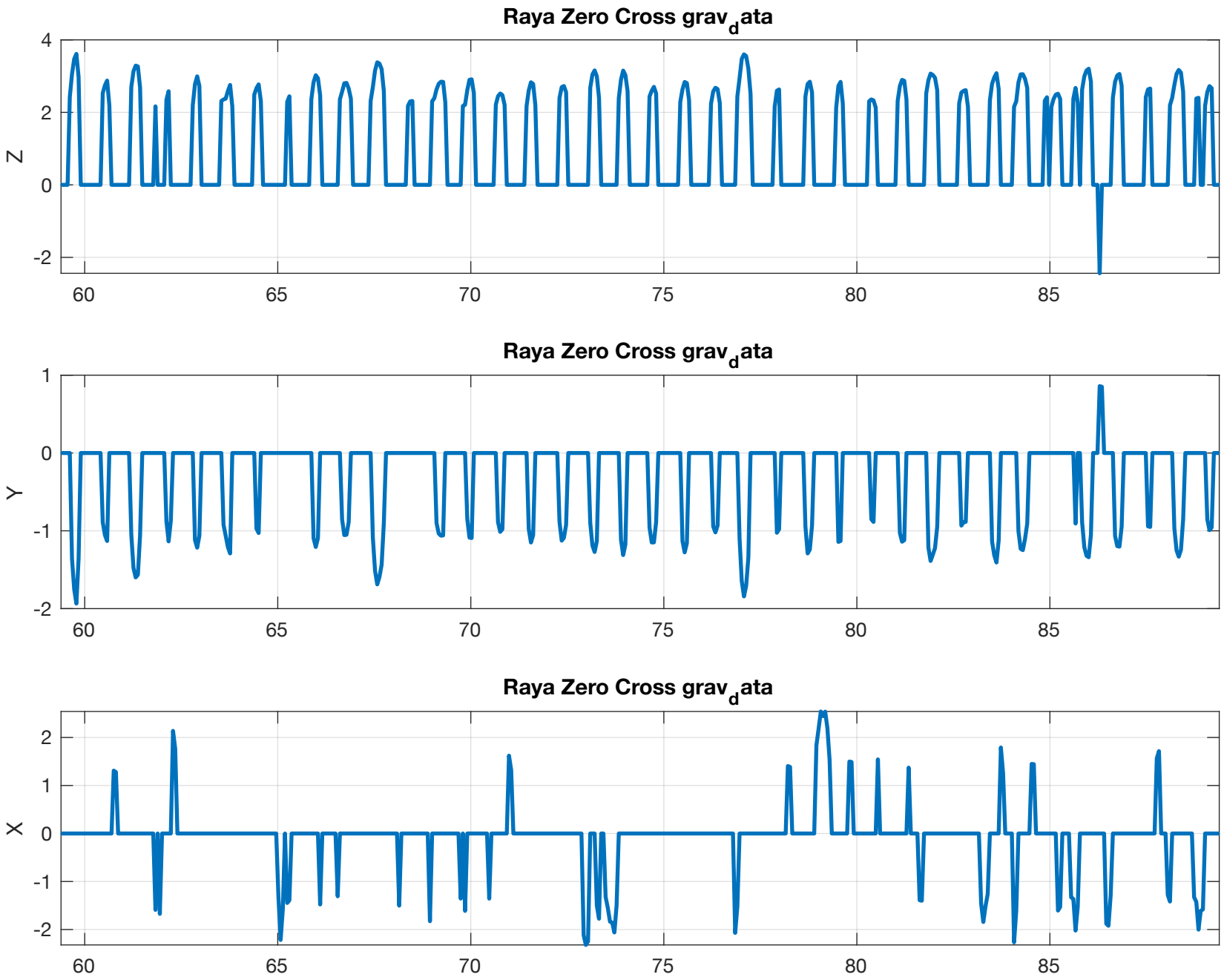
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-170.000	-114.000	100.000	65.500	"bar_data"
"Pressure"	-199.000	-153.000	74.000	65.500	"bar_data"


Raya gyro_data
Z
6
4
2
0
-2
-4
60
65
70
75
80
85
Raya gyro_data
Y
10
5
0
-5
-10
60
65
70
75
80
85
Raya gyro_data
X
6
4
2
0
-2
-4
60
65
70
75
80
85

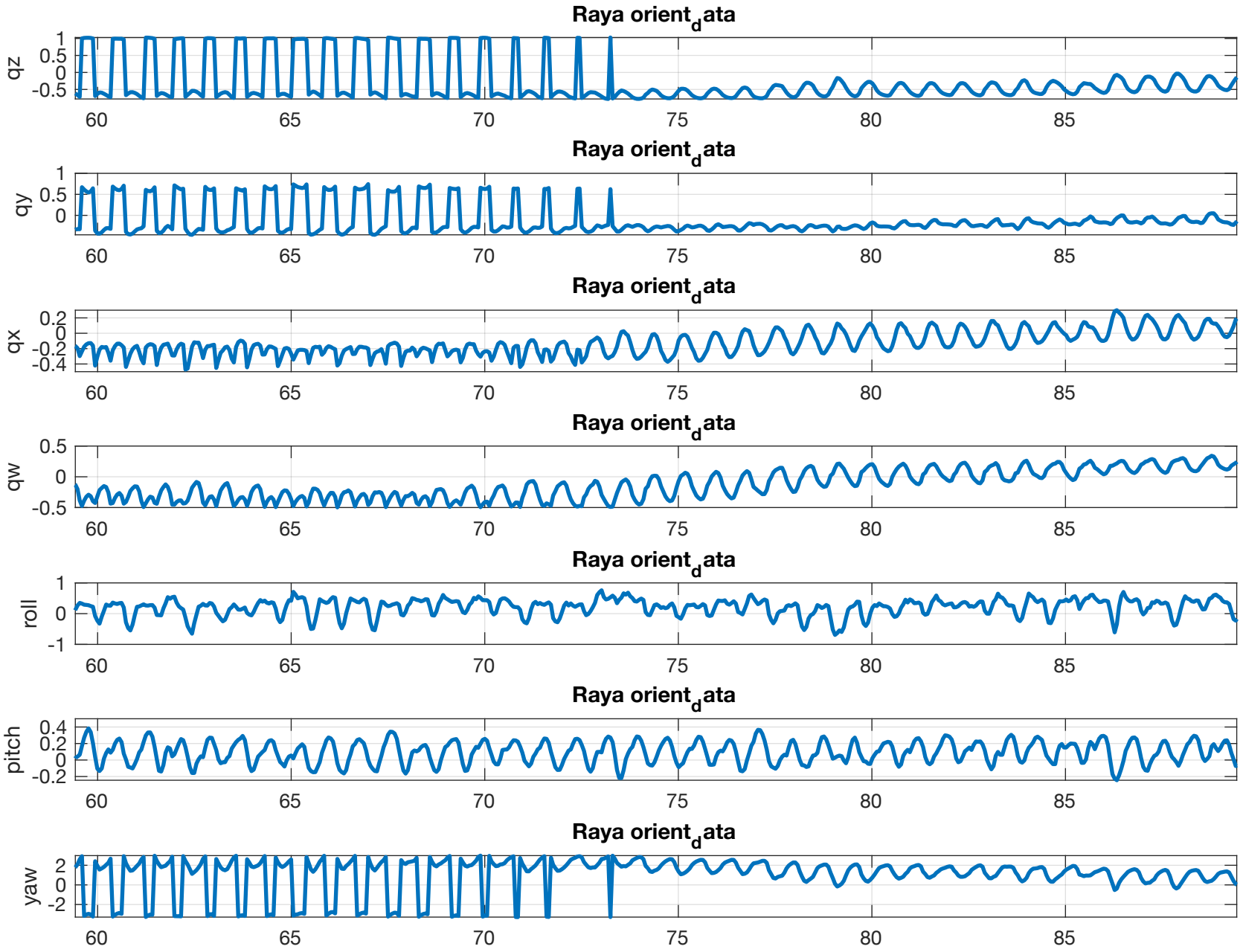

Raya Zero Cross gyro_data
Z
6
4
2
0
-2
-4
60
65
70
75
80
85
Raya Zero Cross gyro_data
Y
10
5
0
-5
-10
60
65
70
75
80
85
Raya Zero Cross gyro_data
X
6
4
2
0
-2
-4
60
65
70
75
80
85

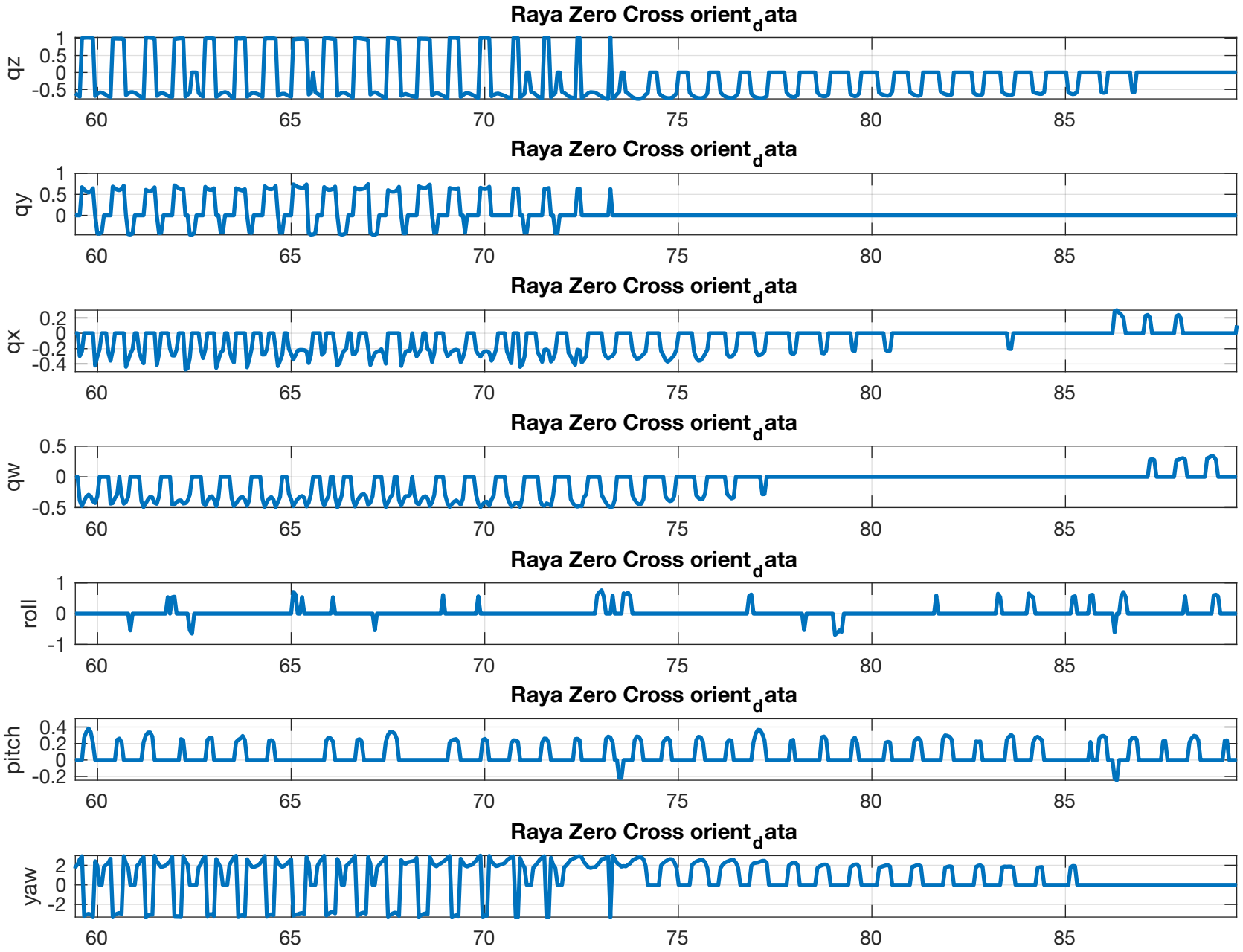
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-674.000	-385.000	25.000	79.000	"gyro_data"
'Y'	-397.000	-220.000	75.000	76.500	"gyro_data"
'X'	-409.000	-127.000	48.000	57.000	"gyro_data"


Raya grav_data
Z
4
2
0
-2
60
65
70
75
80
85
Raya grav_data
Y
1
0
-1
-2
60
65
70
75
80
85
Raya grav_data
X
2
1
0
-1
-2
60
65
70
75
80
85


Raya Zero Cross grav_data
Z
4
2
0
-2
60
65
70
75
80
85
Raya Zero Cross grav_data
Y
1
0
-1
-2
60
65
70
75
80
85
Raya Zero Cross grav_data
X
2
1
0
-1
-2
60
65
70
75
80
85

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-96.000	55.000	211.000	172.250	"grav_data"
'Y'	-117.000	-45.000	168.000	192.000	"grav_data"
'X'	-318.000	-98.000	115.000	180.000	"grav_data"


Raya orient_data
qz
1
0.5
0
-0.5
60
65
70
75
80
85
Raya orient_data
qy
1
0.5
0
60
65
70
75
80
85
Raya orient_data
qx
0.2
0
-0.2
-0.4
60
65
70
75
80
85
Raya orient_data
qw
0.5
0
-0.5
60
65
70
75
80
85
Raya orient_data
roll
1
0
-1
60
65
70
75
80
85
Raya orient_data
pitch
0.4
0.2
0
-0.2
60
65
70
75
80
85
Raya orient_data
yaw
2
0
-2
60
65
70
75
80
85


Raya Zero Cross orientdata
qz
1
0.5
0
-0.5
60
65
70
75
80
85
Raya Zero Cross orientdata
qy
1
0.5
0
60
65
70
75
80
85
Raya Zero Cross orientdata
qx
0.2
0
-0.2
-0.4
60
65
70
75
80
85
Raya Zero Cross orientdata
qw
0.5
0
-0.5
60
65
70
75
80
85
Raya Zero Cross orientdata
roll
1
0
-1
60
65
70
75
80
85
Raya Zero Cross orientdata
pitch
0.4
0.2
0
-0.2
60
65
70
75
80
85
Raya Zero Cross orientdata
yaw
2
0
-2
60
65
70
75
80
85

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-78.000	102.000	208.000	199.500	"orient_data"
'qy'	-169.000	67.000	197.000	217.750	"orient_data"
'qx'	-172.000	38.000	199.000	184.500	"orient_data"
'qw'	-80.000	93.000	226.000	208.000	"orient_data"
'roll'	-311.000	-205.000	120.000	189.750	"orient_data"
'pitch'	-121.000	27.000	192.000	179.500	"orient_data"
'yaw'	-160.000	-5.000	171.000	168.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	10.500
'bar_data'	"Relative Altitude"	'zero_cross'	65.500
'gyro_data'	"Z"	'double_findpeaks'	25.000
'grav_data'	"Y"	'findpeaks_above_zero'	45.000
'orient_data'	"yaw"	'findpeaks_above_zero'	5.000