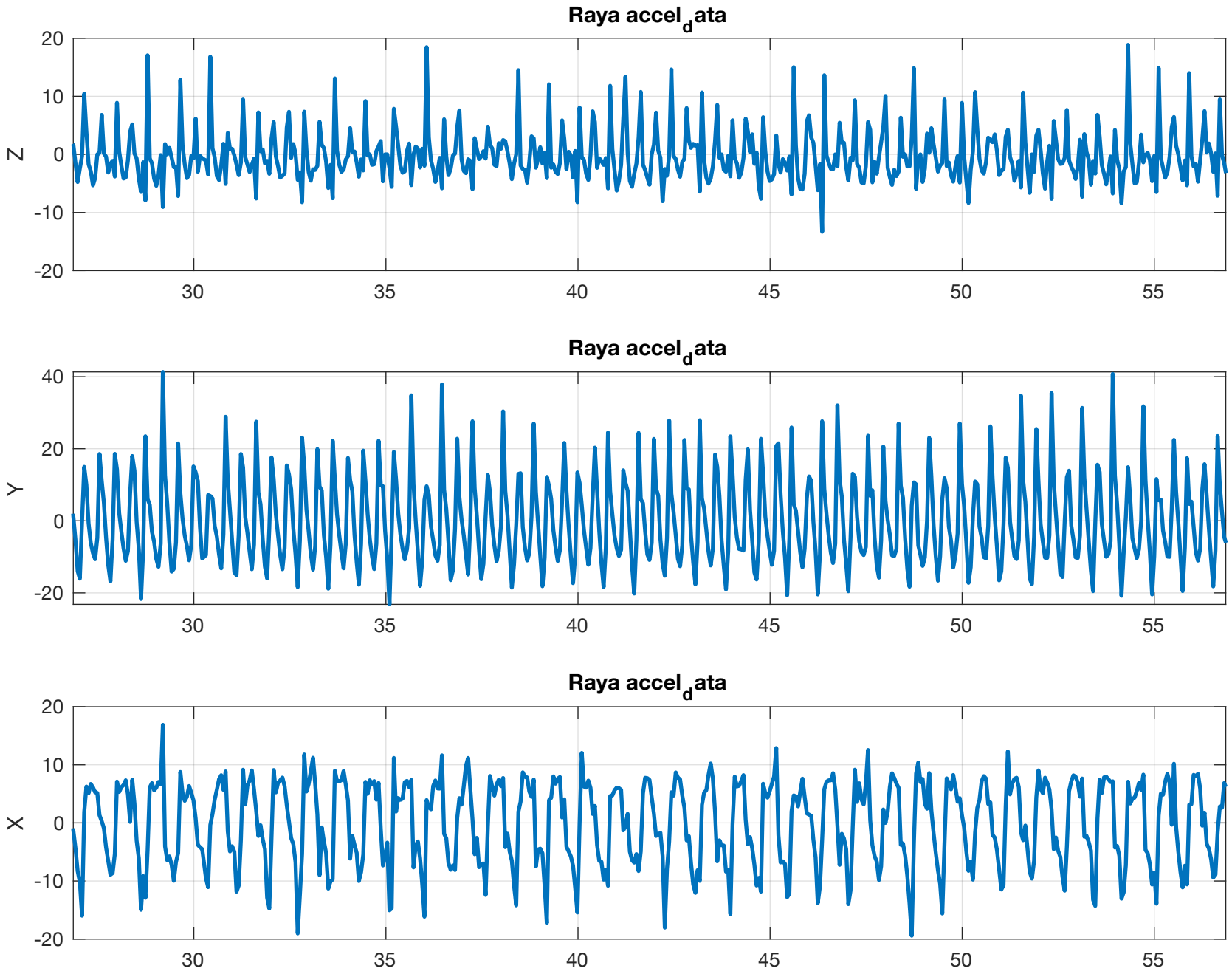
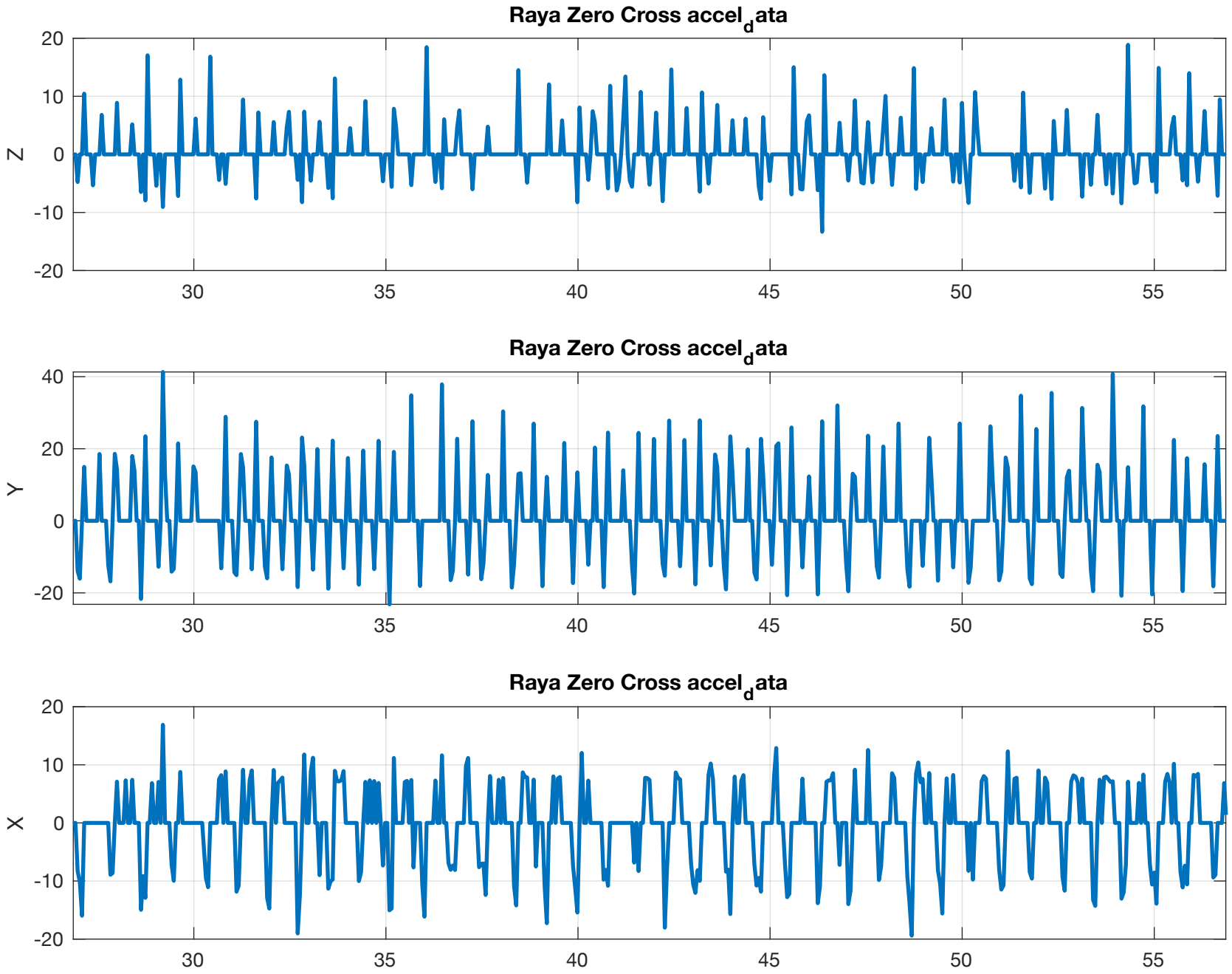
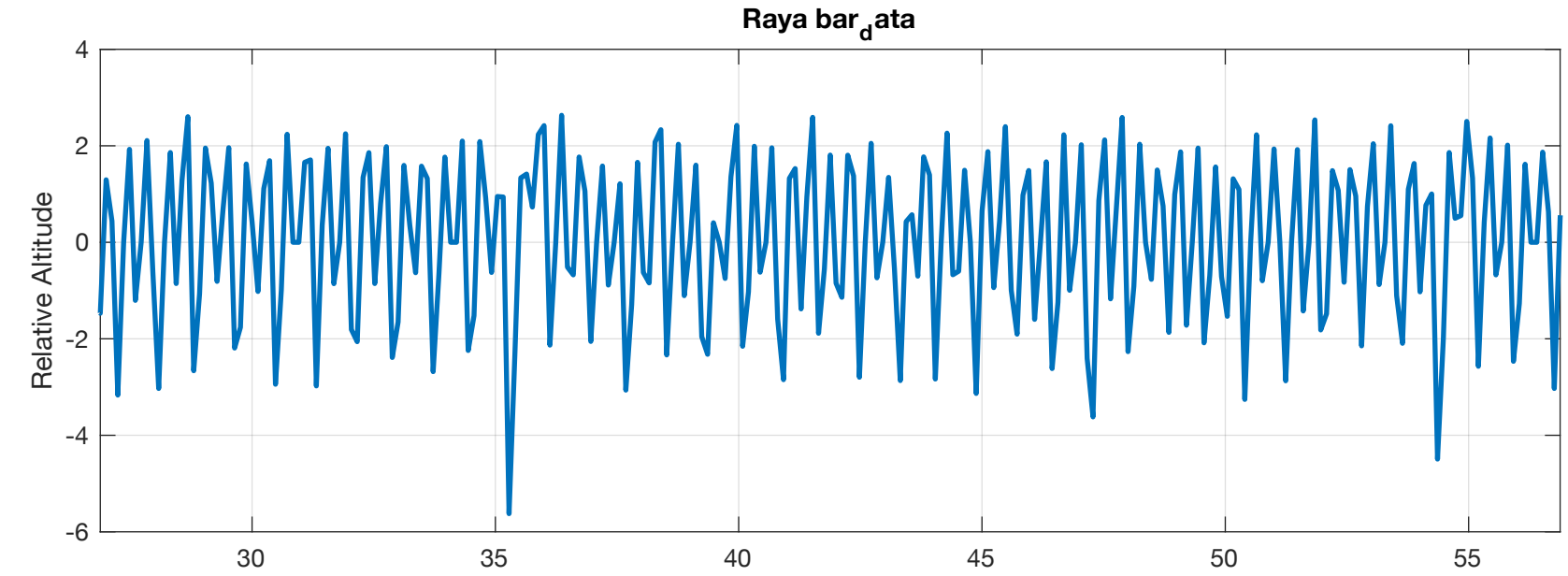
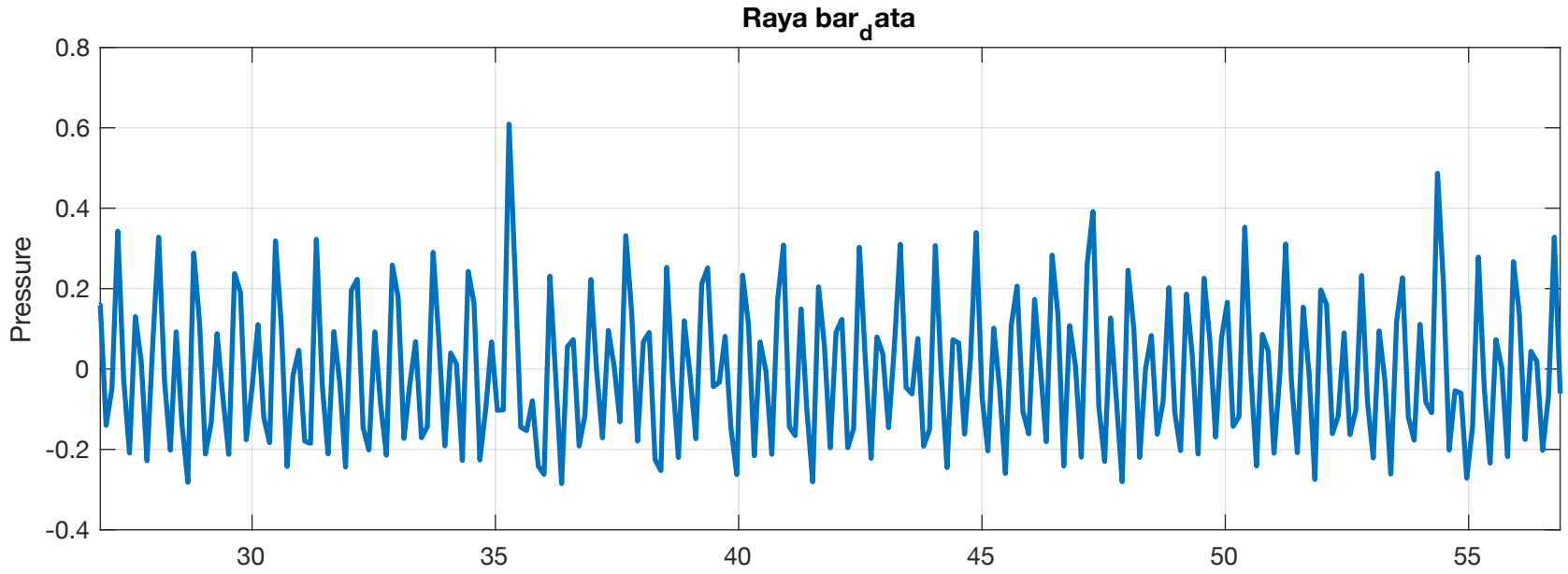
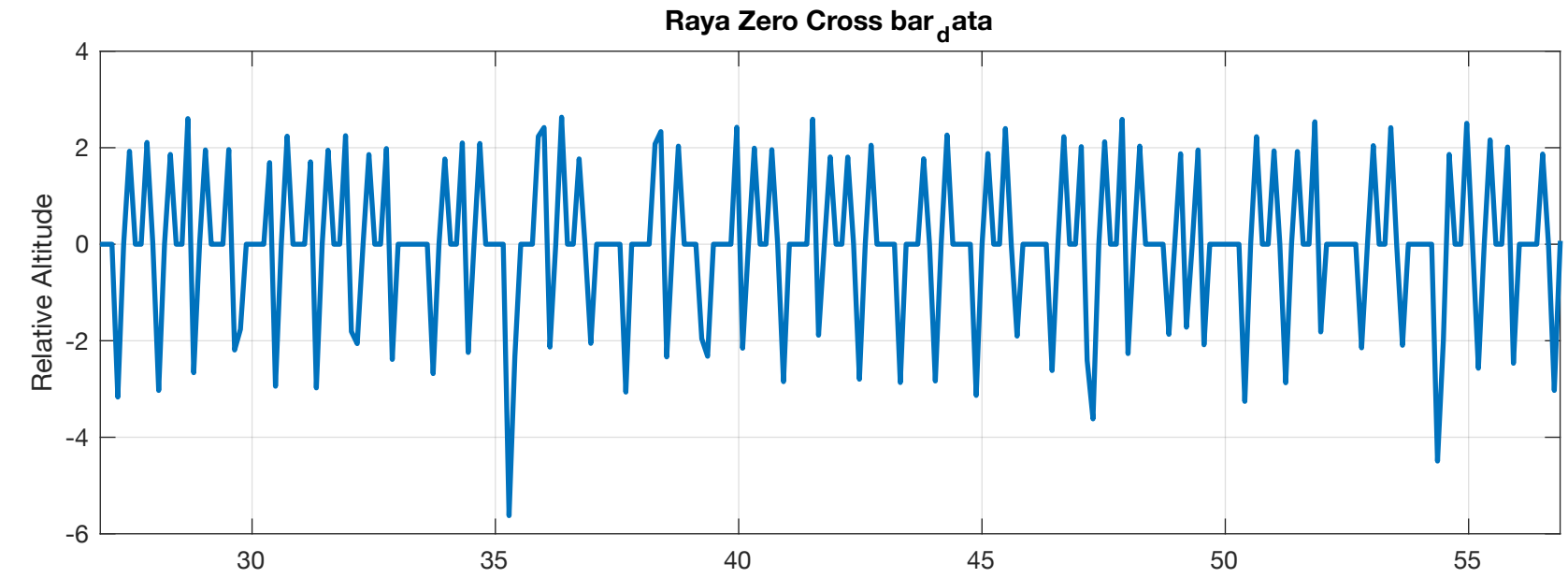

Raya accel_data
Z
20
10
0
-10
-20
30
35
40
45
50
55
Raya accel_data
Y
40
20
0
-20
30
35
40
45
50
55
Raya accel_data
X
20
10
0
-10
-20
30
35
40
45
50
55

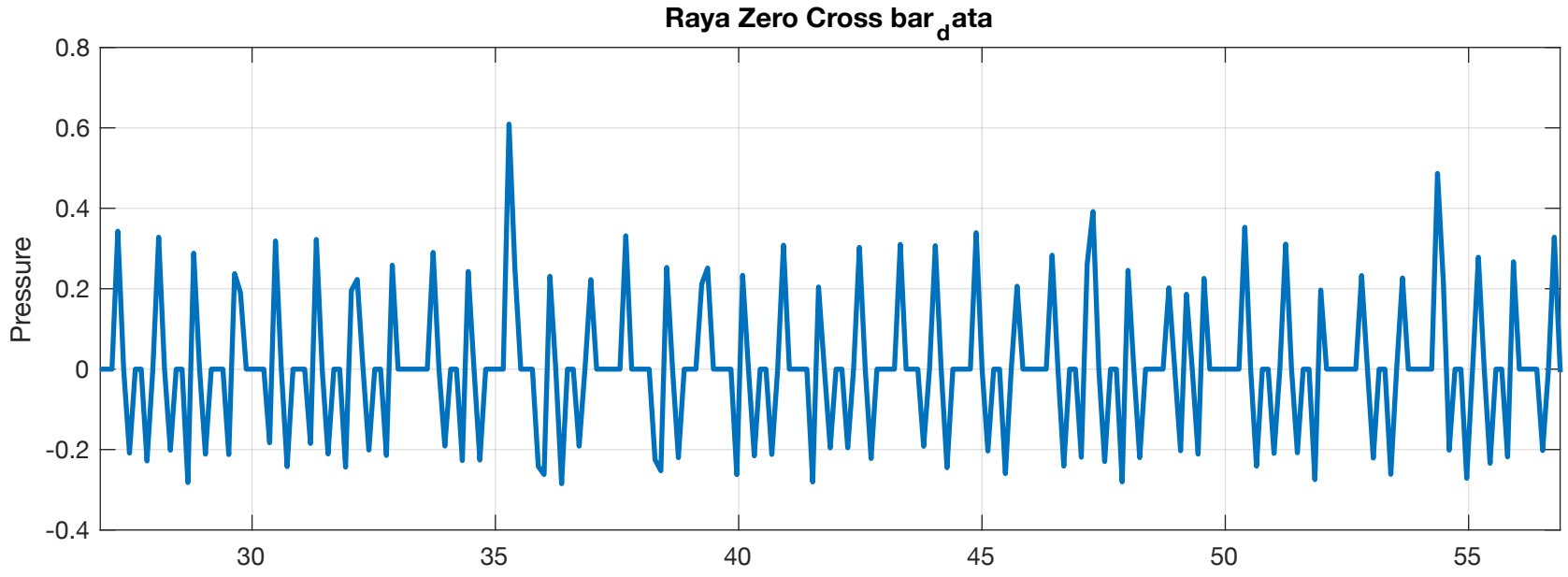

Raya Zero Cross accel_data
Z
20
10
0
-10
-20
30
35
40
45
50
55
Raya Zero Cross accel_data
Y
40
20
0
-20
30
35
40
45
50
55
Raya Zero Cross accel_data
X
20
10
0
-10
-20
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-402	-307	-149	-159	"accel_data"
'Y'	-231	-226	-94	-161.5000	"accel_data"
'X'	-351	-263	-115	-135.5000	"accel_data"

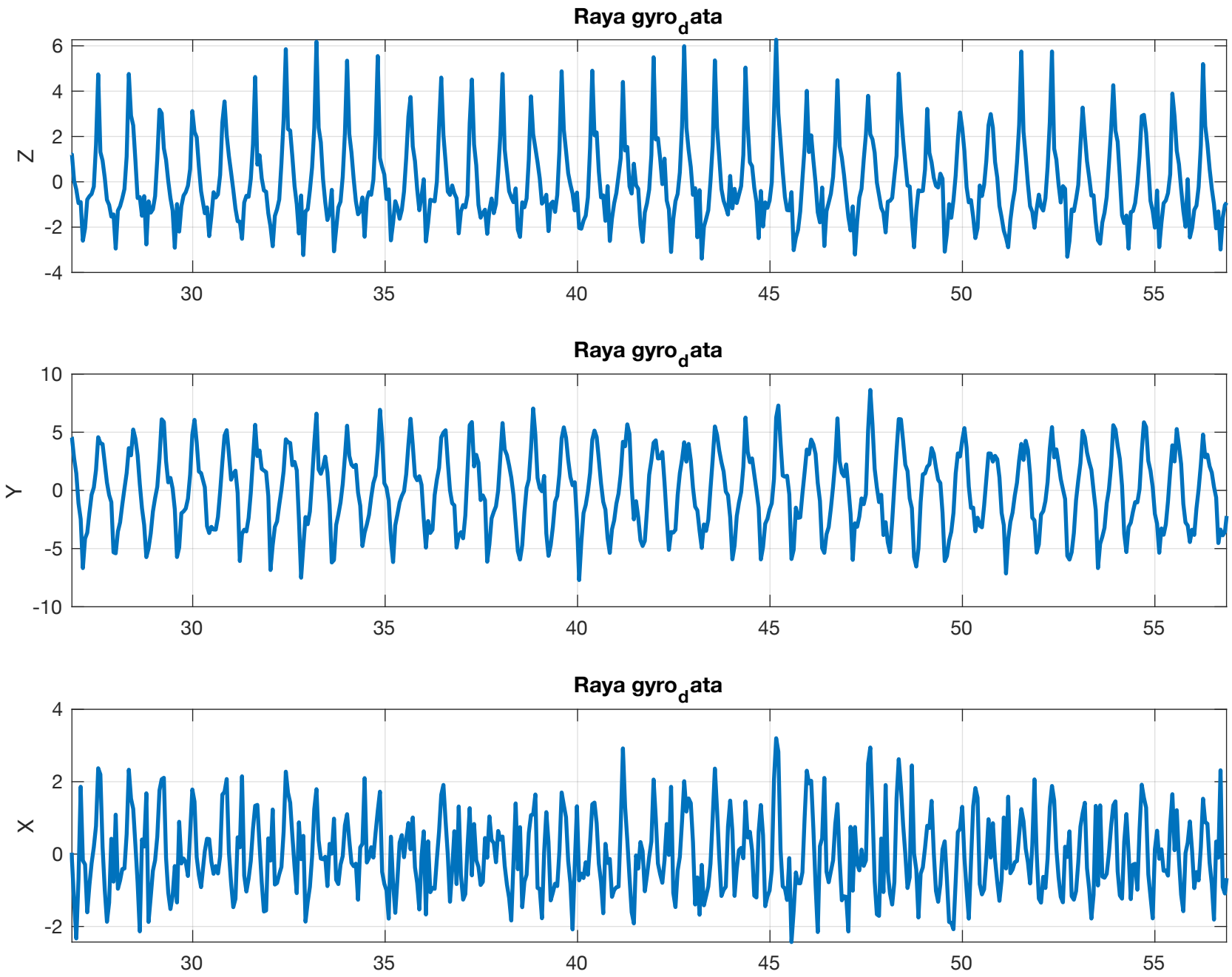

Raya bar_data
Relative Altitude
4
2
0
-2
-4
-6
30
35
40
45
50
55

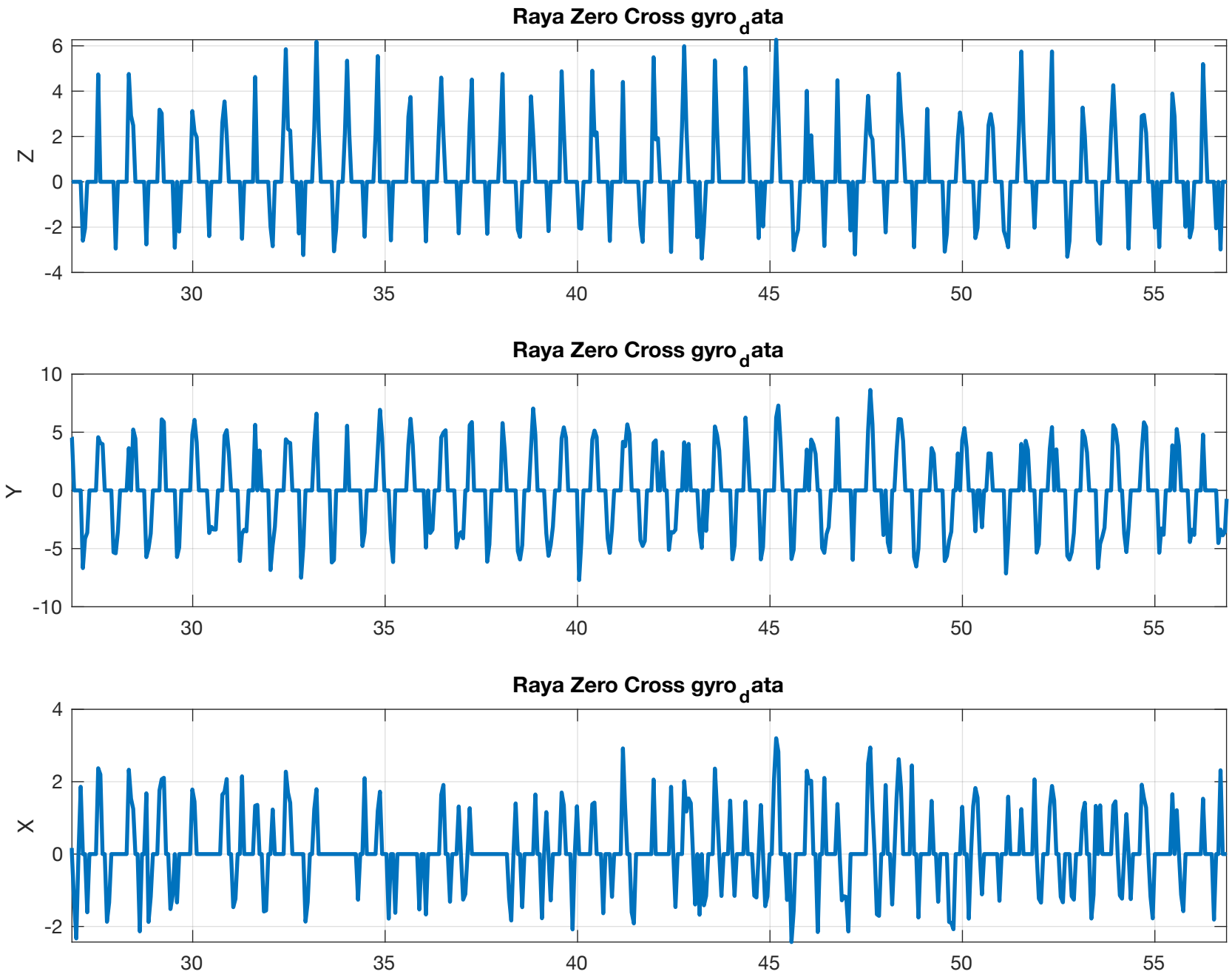

Raya bar_data
Pressure
0.8
0.6
0.4
0.2
0
-0.2
-0.4
30
35
40
45
50
55


Raya Zero Cross bar_data
Relative Altitude
4
2
0
-2
-4
-6
30
35
40
45
50
55

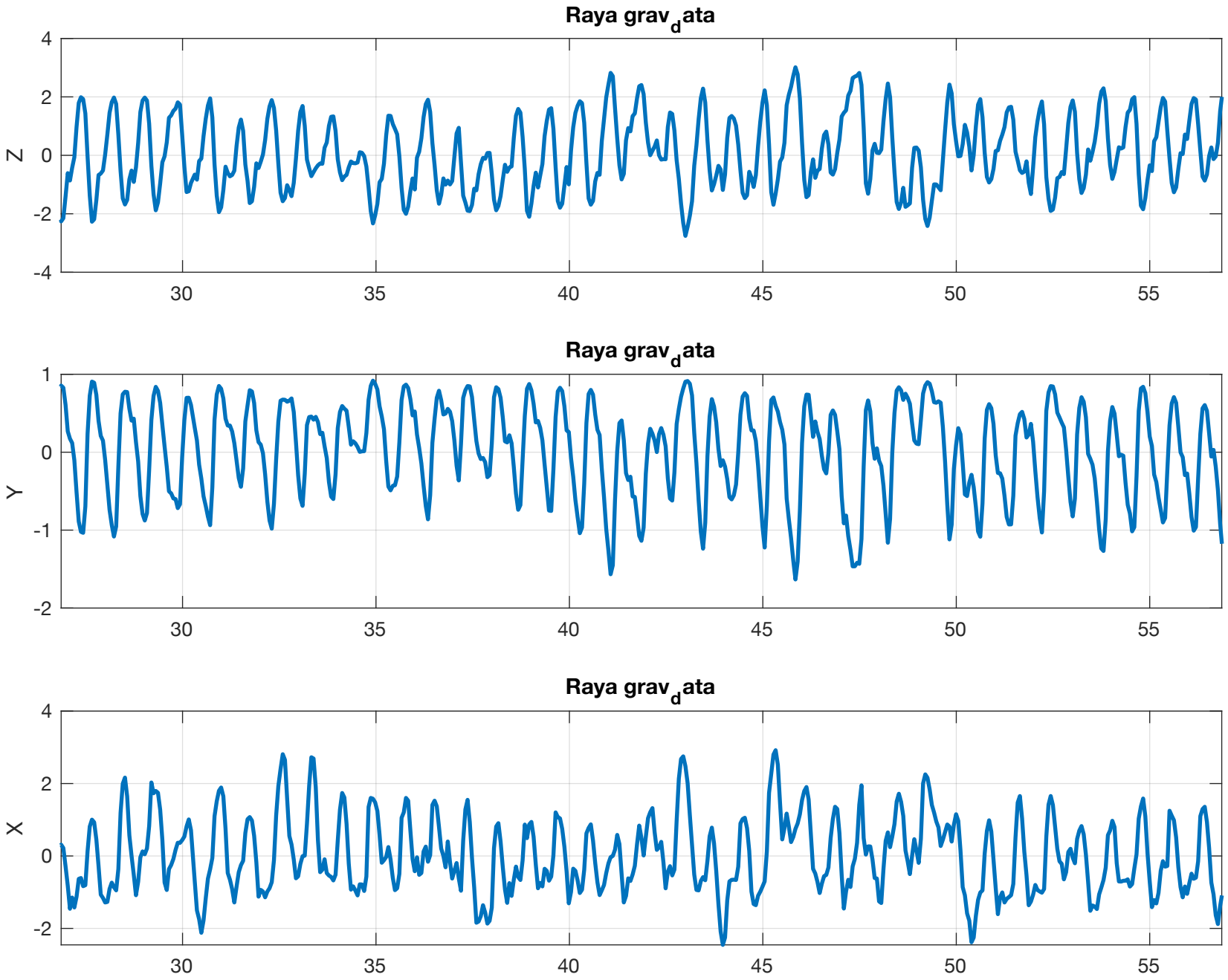

Raya Zero Cross bar_data
Pressure
0.8
0.6
0.4
0.2
0
-0.2
-0.4
30
35
40
45
50
55

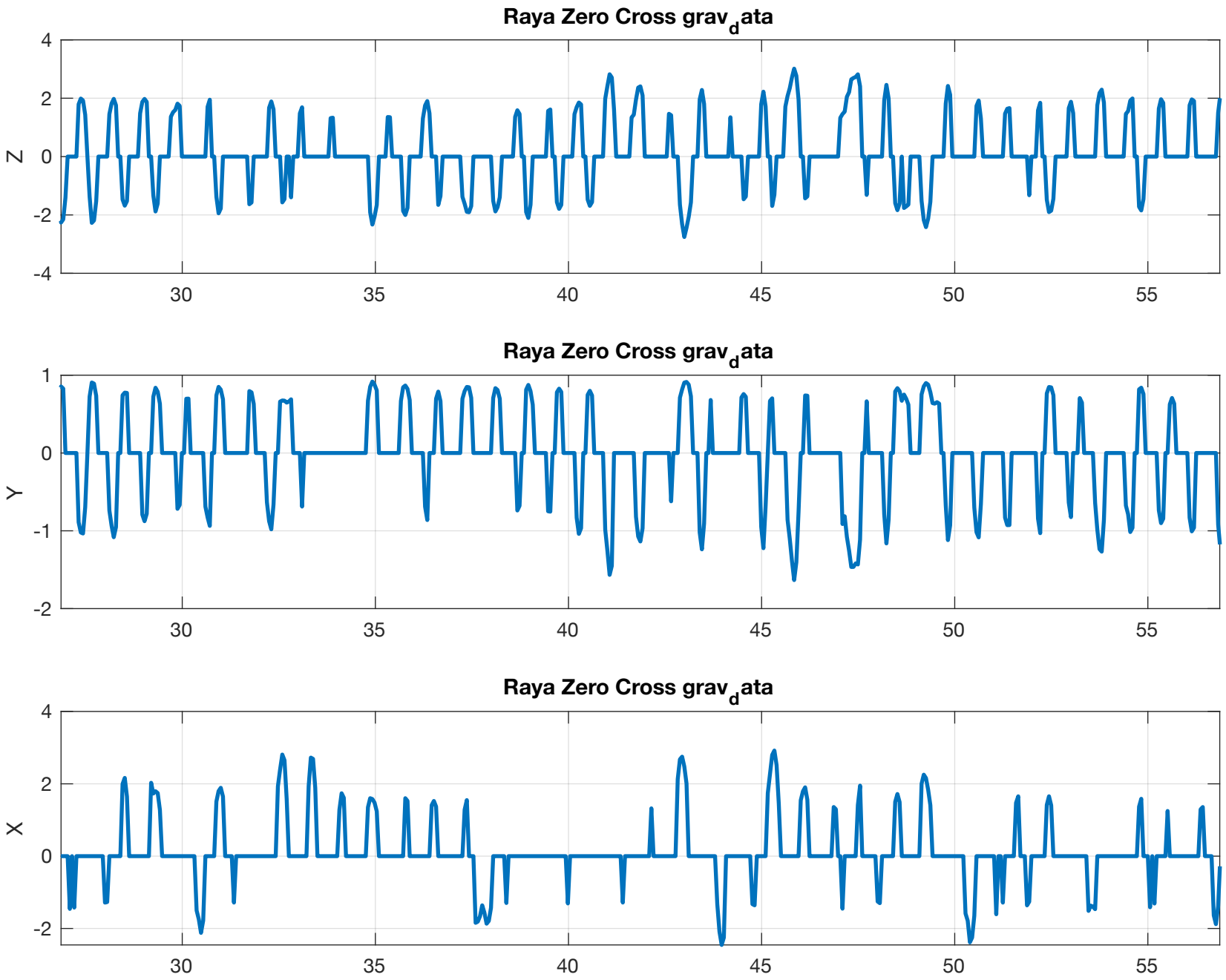
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-214	-213	-68	-121	"bar_data"
"Pressure"	-215	-208	-105	-121	"bar_data"


Raya gyro_data
Z
6
4
2
0
-2
-4
30
35
40
45
50
55
Raya gyro_data
Y
10
5
0
-5
-10
30
35
40
45
50
55
Raya gyro_data
X
4
2
0
-2
30
35
40
45
50
55

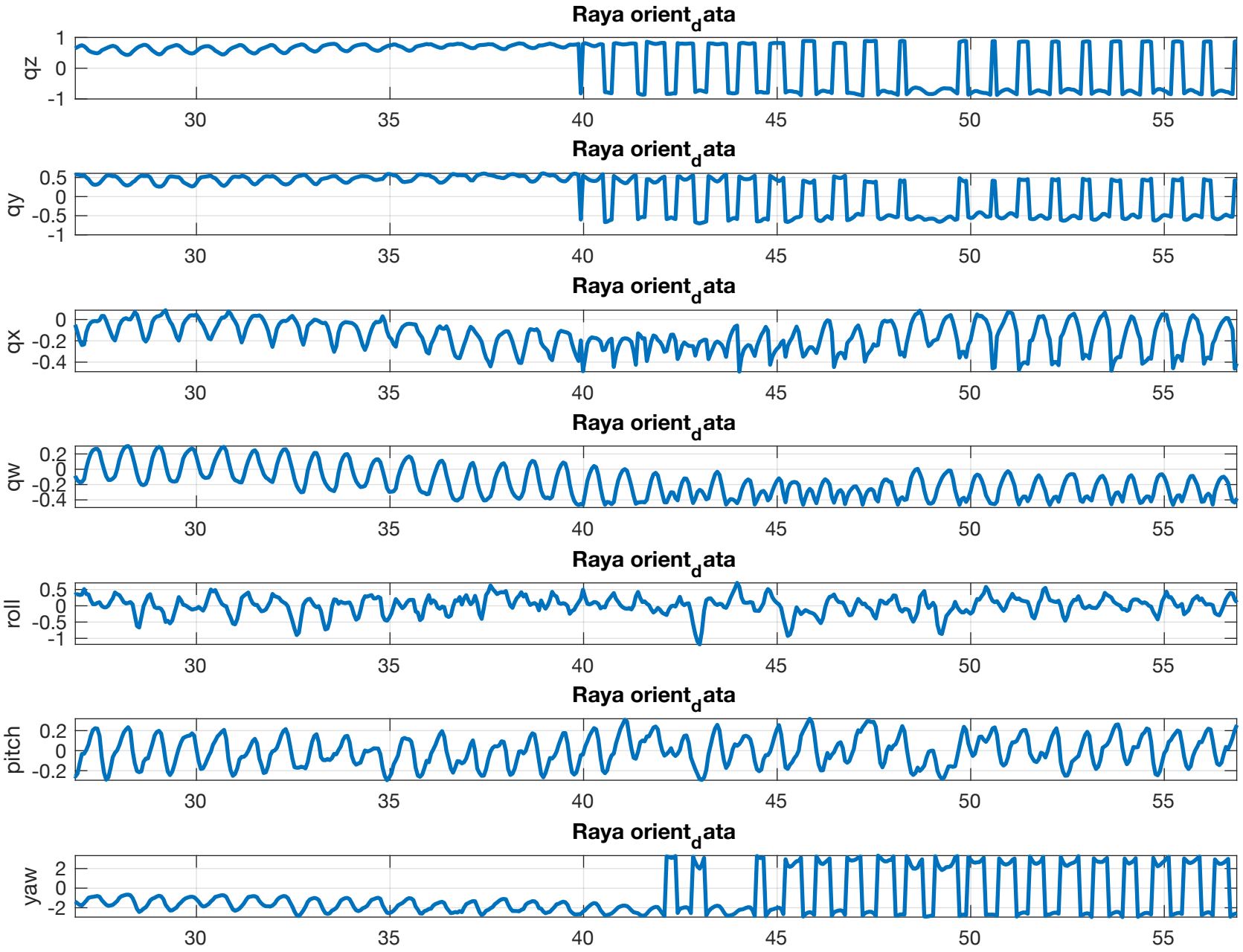

Raya Zero Cross gyro_data
Z
6
4
2
0
-2
-4
30
35
40
45
50
55
Raya Zero Cross gyro_data
Y
10
5
0
-5
-10
30
35
40
45
50
55
Raya Zero Cross gyro_data
X
4
2
0
-2
30
35
40
45
50
55

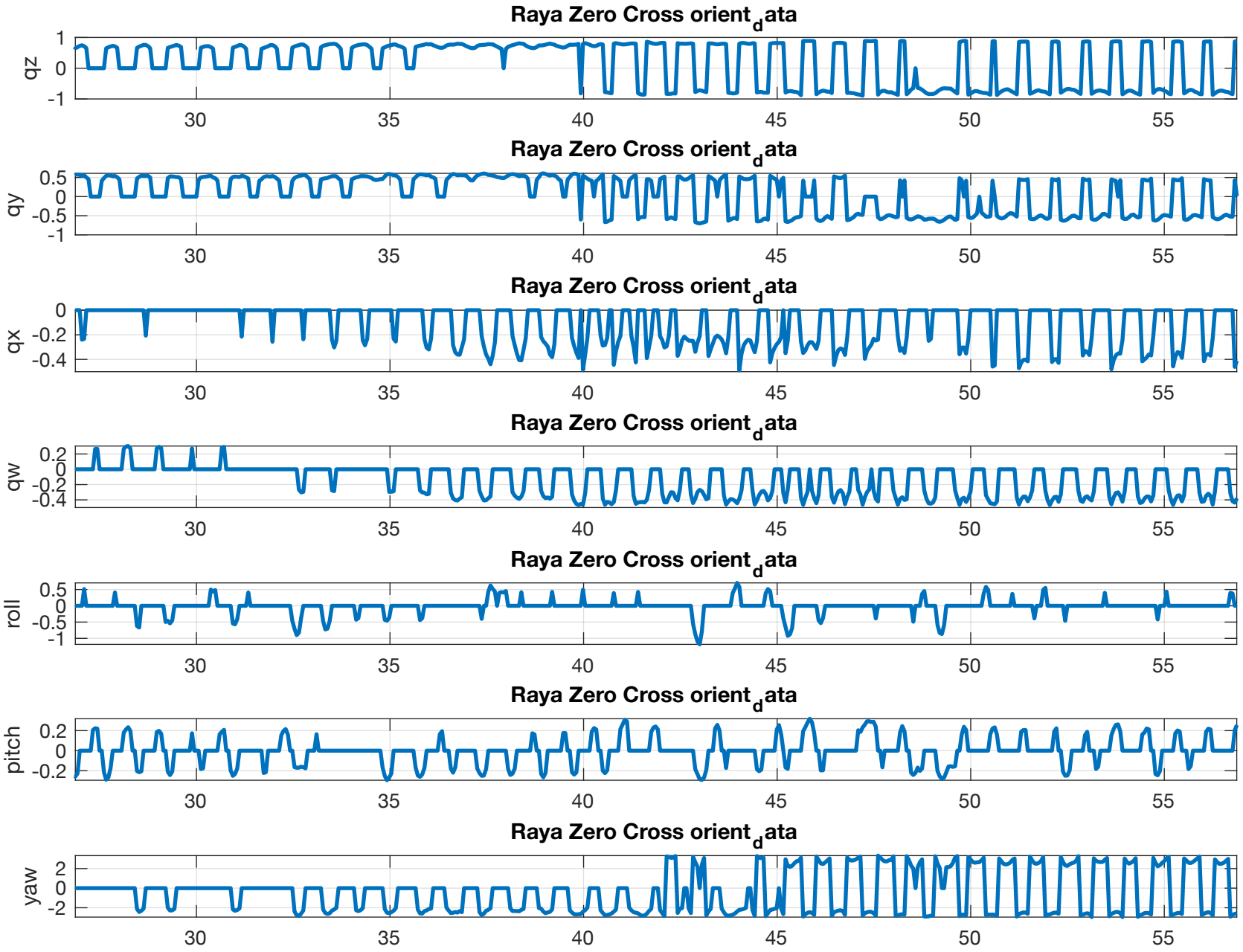
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-284	-156	-104	-117	"gyro_data"
'Y'	-223	-175	-76	-120.5000	"gyro_data"
'X'	-351	-290	-117	-154.5000	"gyro_data"


Raya grav_data
Z
4
2
0
-2
-4
30
35
40
45
50
55
Raya grav_data
Y
1
0
-1
-2
30
35
40
45
50
55
Raya grav_data
X
4
2
0
-2
30
35
40
45
50
55


Raya Zero Cross grav_data
Z
4
2
0
-2
-4
30
35
40
45
50
55
Raya Zero Cross grav_data
Y
1
0
-1
-2
30
35
40
45
50
55
Raya Zero Cross grav_data
X
4
2
0
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-213	-145	-85	-82.7500	"grav_data"
'Y'	-179	-150	-68	-84.2500	"grav_data"
'X'	-227	-149	-87	-67.2500	"grav_data"


Raya orientdata
qz
1
0
-1
30
35
40
45
50
55
Raya orientdata
qy
0.5
0
-0.5
-1
30
35
40
45
50
55
Raya orientdata
qx
0
-0.2
-0.4
30
35
40
45
50
55
Raya orientdata
qw
0.2
0
-0.2
-0.4
30
35
40
45
50
55
Raya orientdata
roll
0.5
0
-0.5
-1
30
35
40
45
50
55
Raya orientdata
pitch
0.2
0
-0.2
30
35
40
45
50
55
Raya orientdata
yaw
2
0
-2
30
35
40
45
50
55


Raya Zero Cross orientdata
qz
1
0
-1
30
35
40
45
50
55
Raya Zero Cross orientdata
qy
0.5
0
-0.5
-1
30
35
40
45
50
55
Raya Zero Cross orientdata
qx
0
-0.2
-0.4
30
35
40
45
50
55
Raya Zero Cross orientdata
qw
0.2
0
-0.2
-0.4
30
35
40
45
50
55
Raya Zero Cross orientdata
roll
0.5
0
-0.5
-1
30
35
40
45
50
55
Raya Zero Cross orientdata
pitch
0.2
0
-0.2
30
35
40
45
50
55
Raya Zero Cross orientdata
yaw
2
0
-2
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-166	-103	-55	-59	"orient_data"
'qy'	-214	-137	-62	-59.5000	"orient_data"
'qx'	-201	-145	-68	-48.7500	"orient_data"
'qw'	-159	-87	-28	-48.5000	"orient_data"
'roll'	-250	-216	-87	-57.7500	"orient_data"
'pitch'	-174	-143	-61	-82.7500	"orient_data"
'yaw'	-207	-125	-52	-59.5000	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'double_findpeaks'	94
'bar_data'	"Relative Altitude"	'double_findpeaks'	68
'gyro_data'	"Y"	'double_findpeaks'	76
'grav_data'	"X"	'zero_cross'	67.25
'orient_data'	"qw"	'double_findpeaks'	28