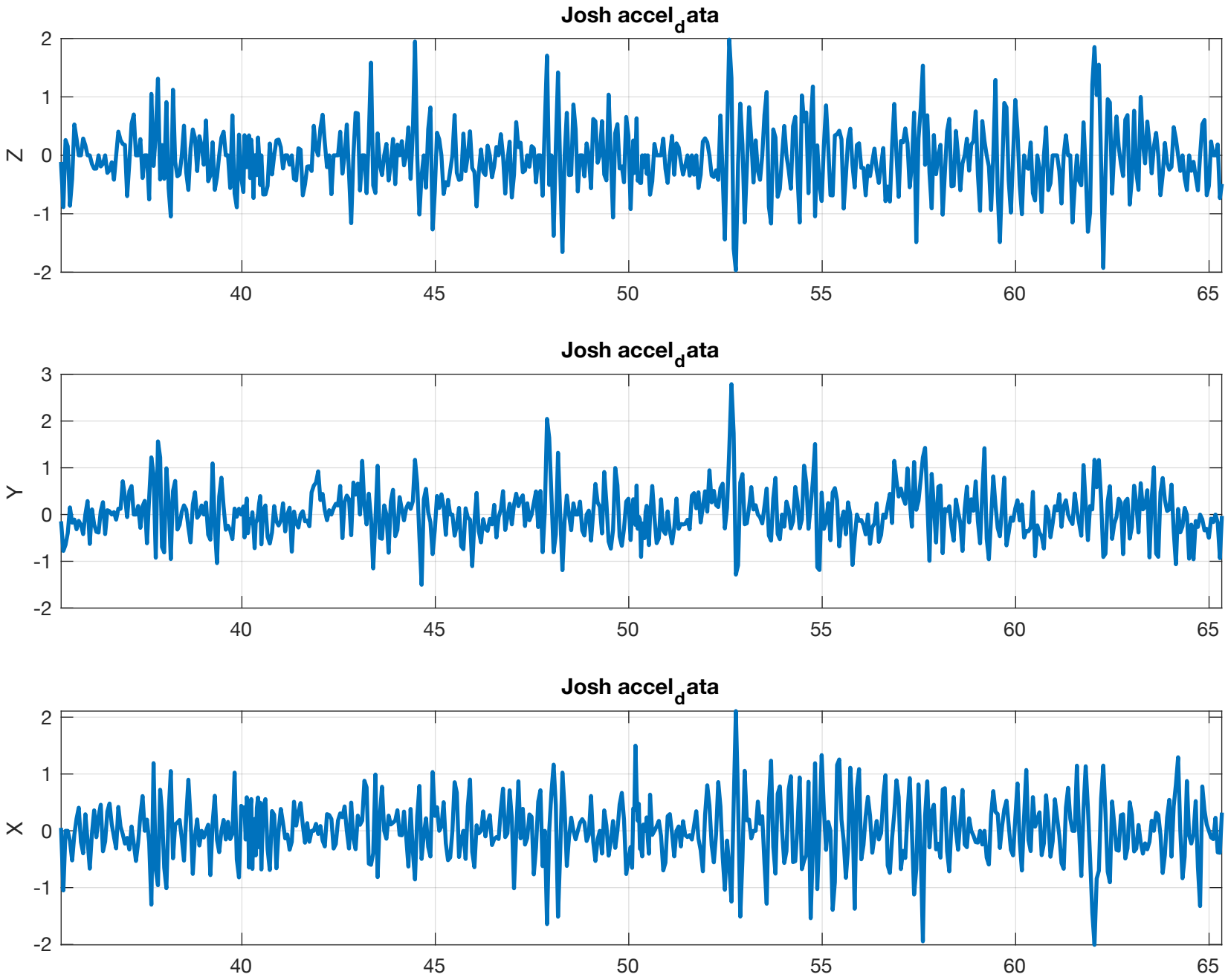
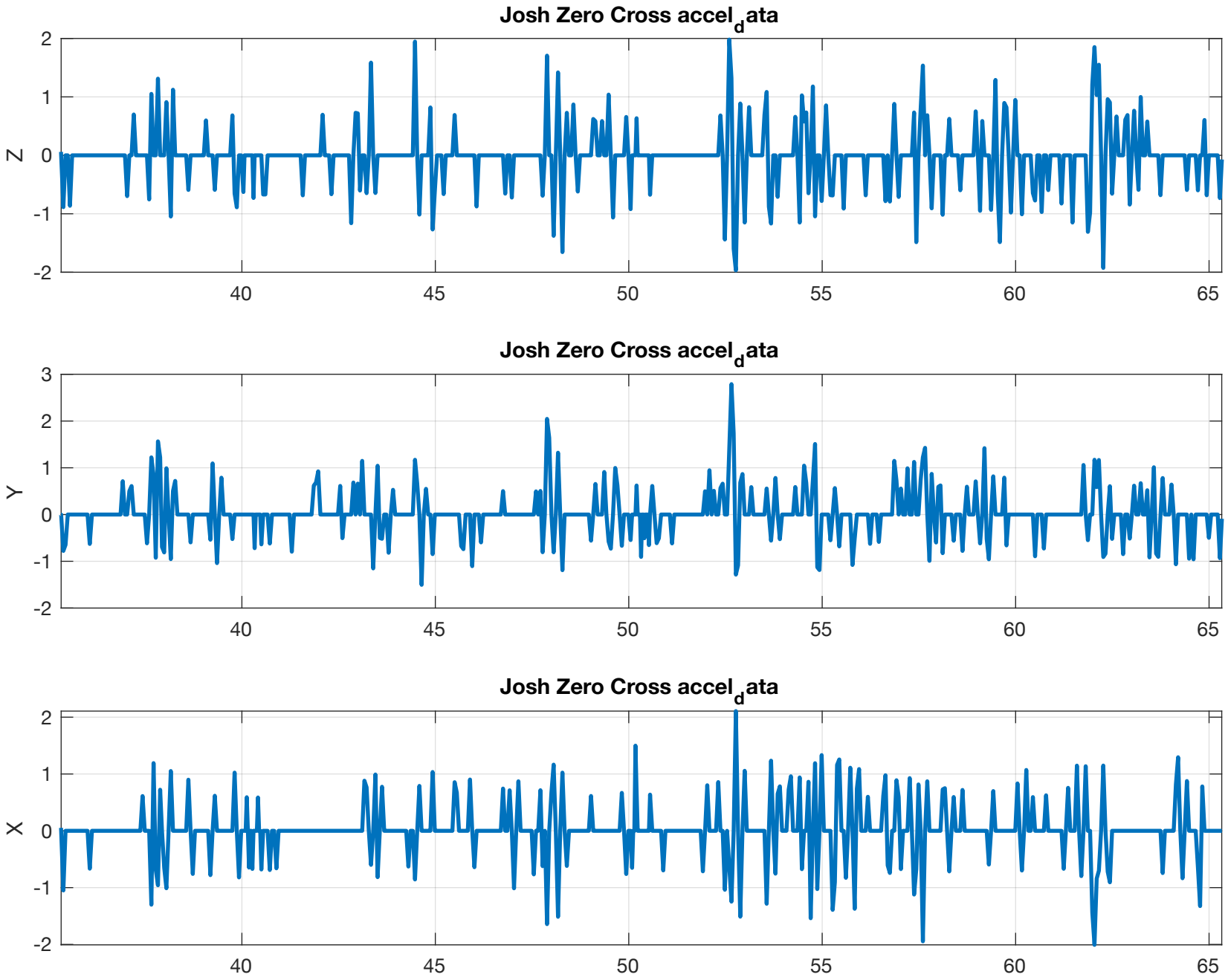
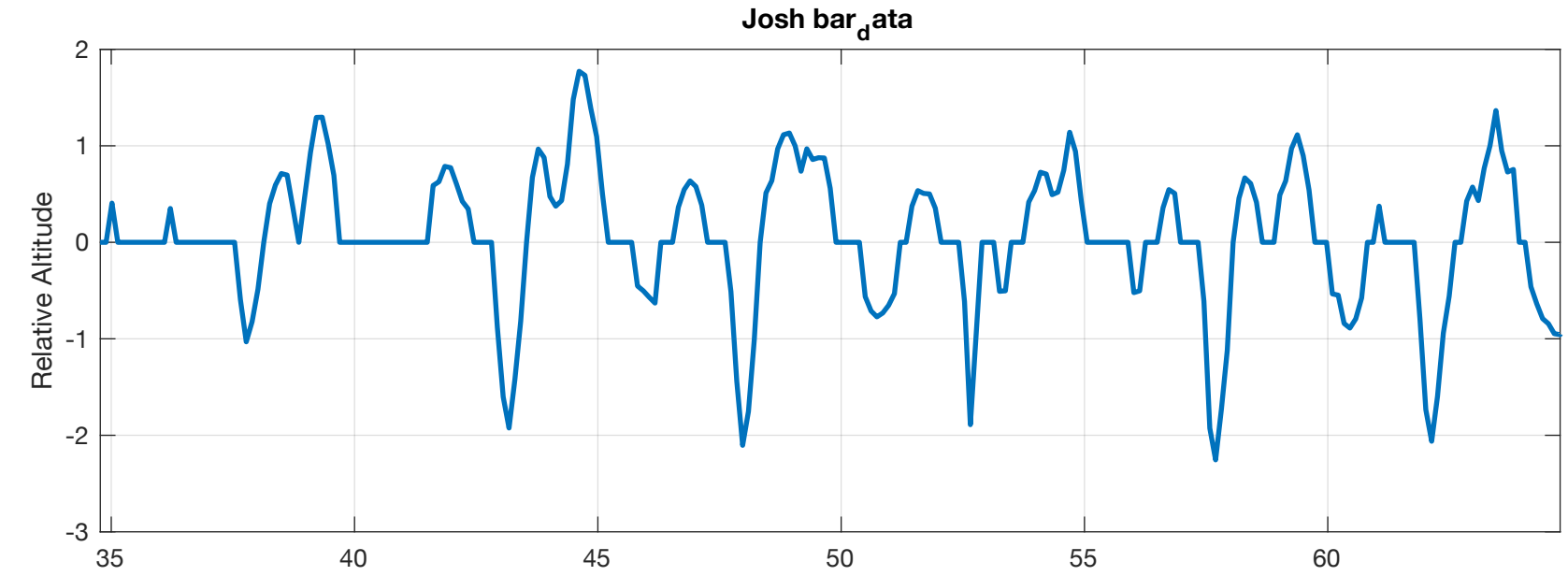
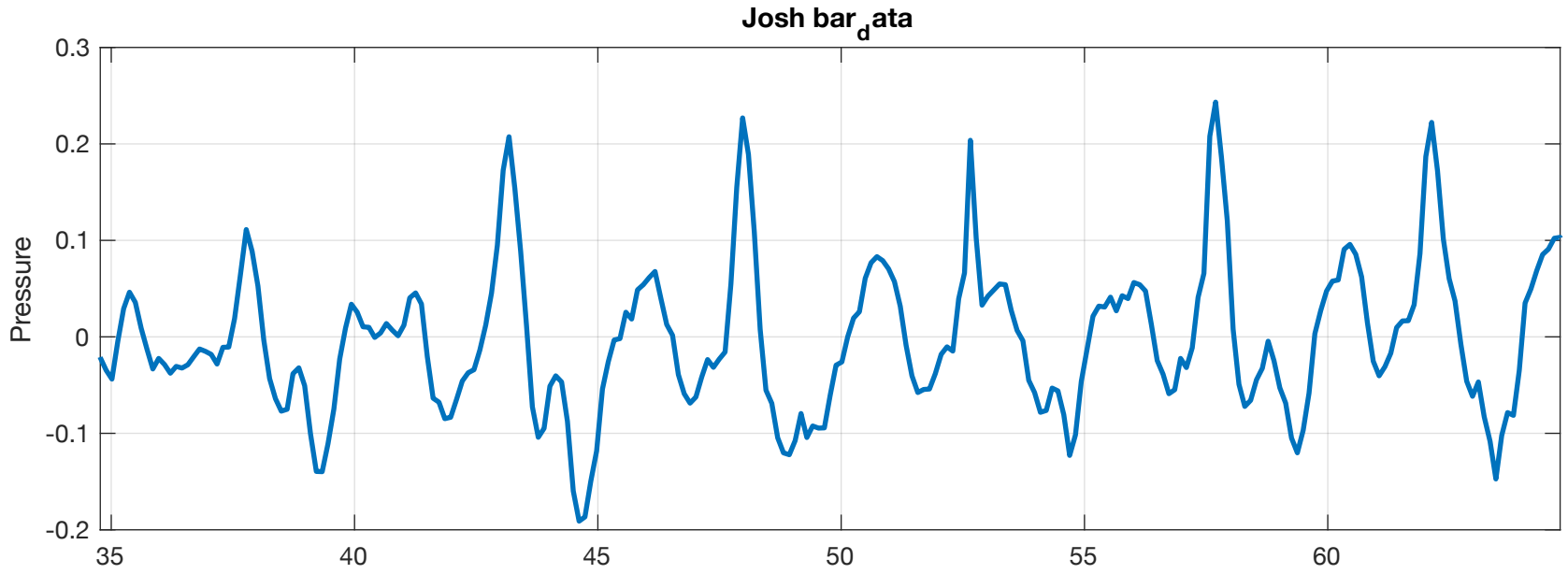
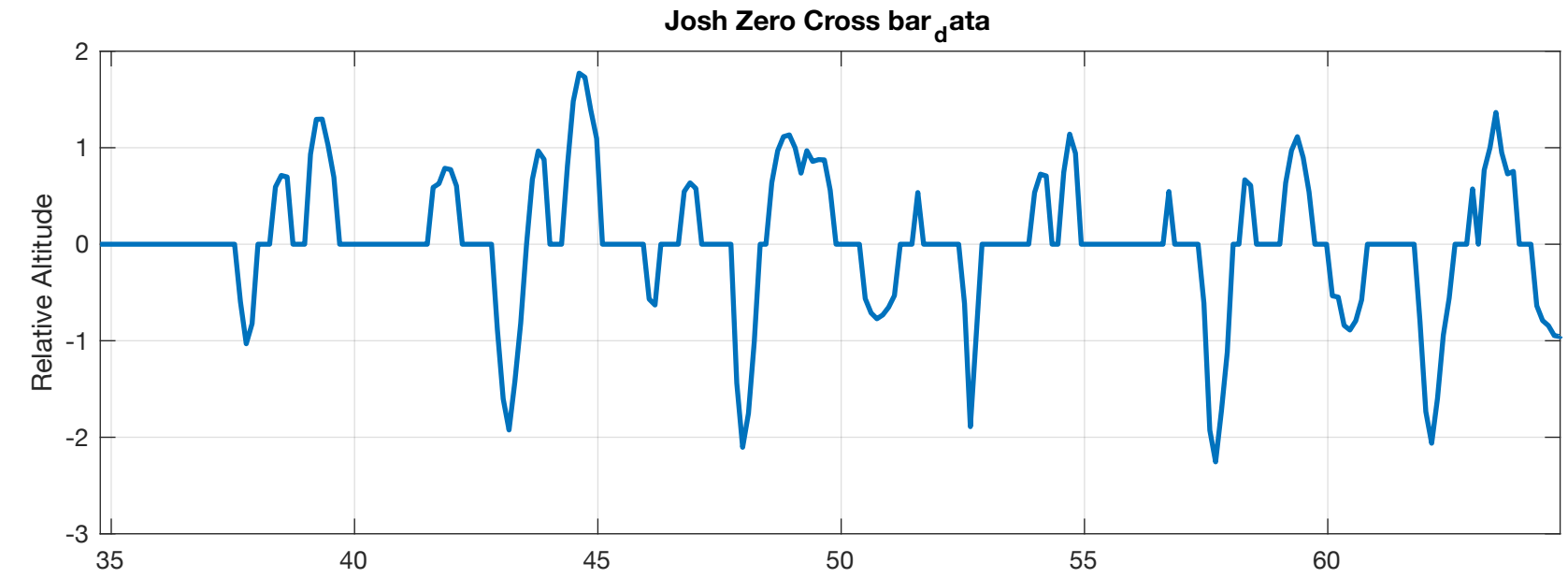

Josh accel_data
Z
2
1
0
-1
-2
40
45
50
55
60
65
Josh accel_data
Y
3
2
1
0
-1
-2
40
45
50
55
60
65
Josh accel_data
X
2
1
0
-1
-2
40
45
50
55
60
65

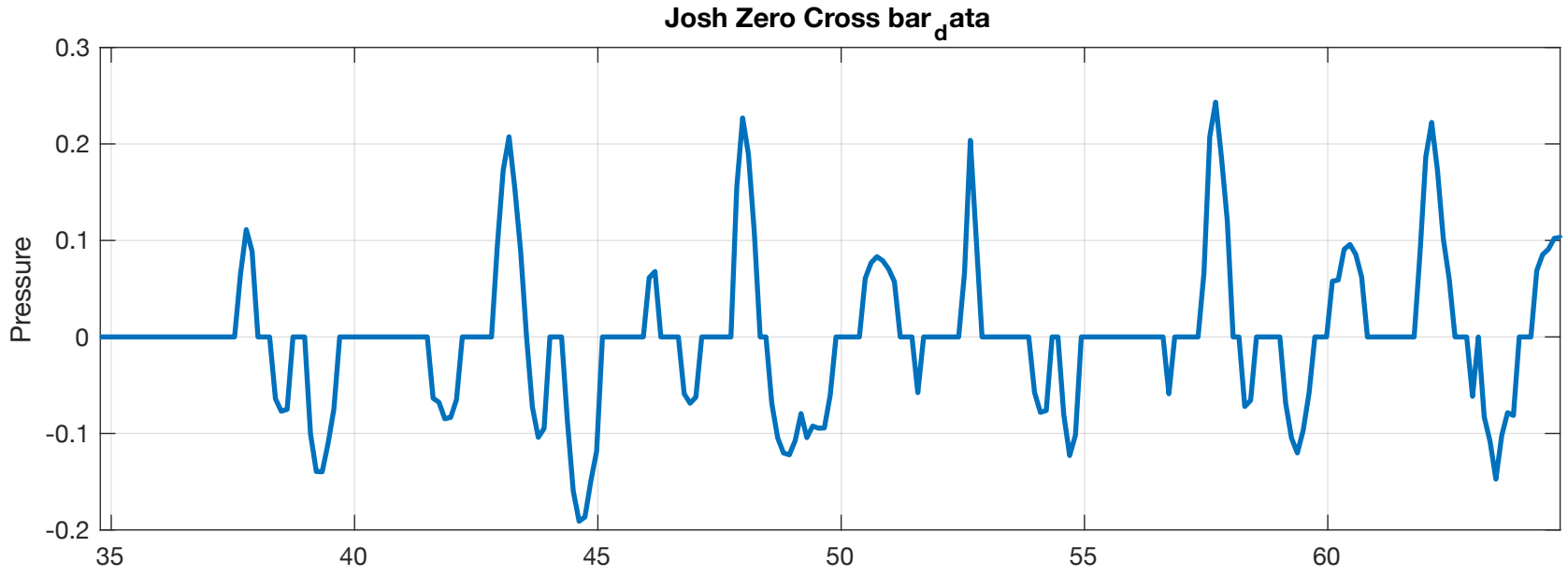

Josh Zero Cross accel_data
Z
2
1
0
-1
-2
40
45
50
55
60
65
Josh Zero Cross accel_data
Y
3
2
1
0
-1
-2
40
45
50
55
60
65
Josh Zero Cross accel_data
X
2
1
0
-1
-2
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-537.000	-462.000	-165.000	-169.500	"accel_data"
'Y'	-616.000	-469.000	-172.000	-189.750	"accel_data"
'X'	-524.000	-452.000	-161.000	-166.250	"accel_data"

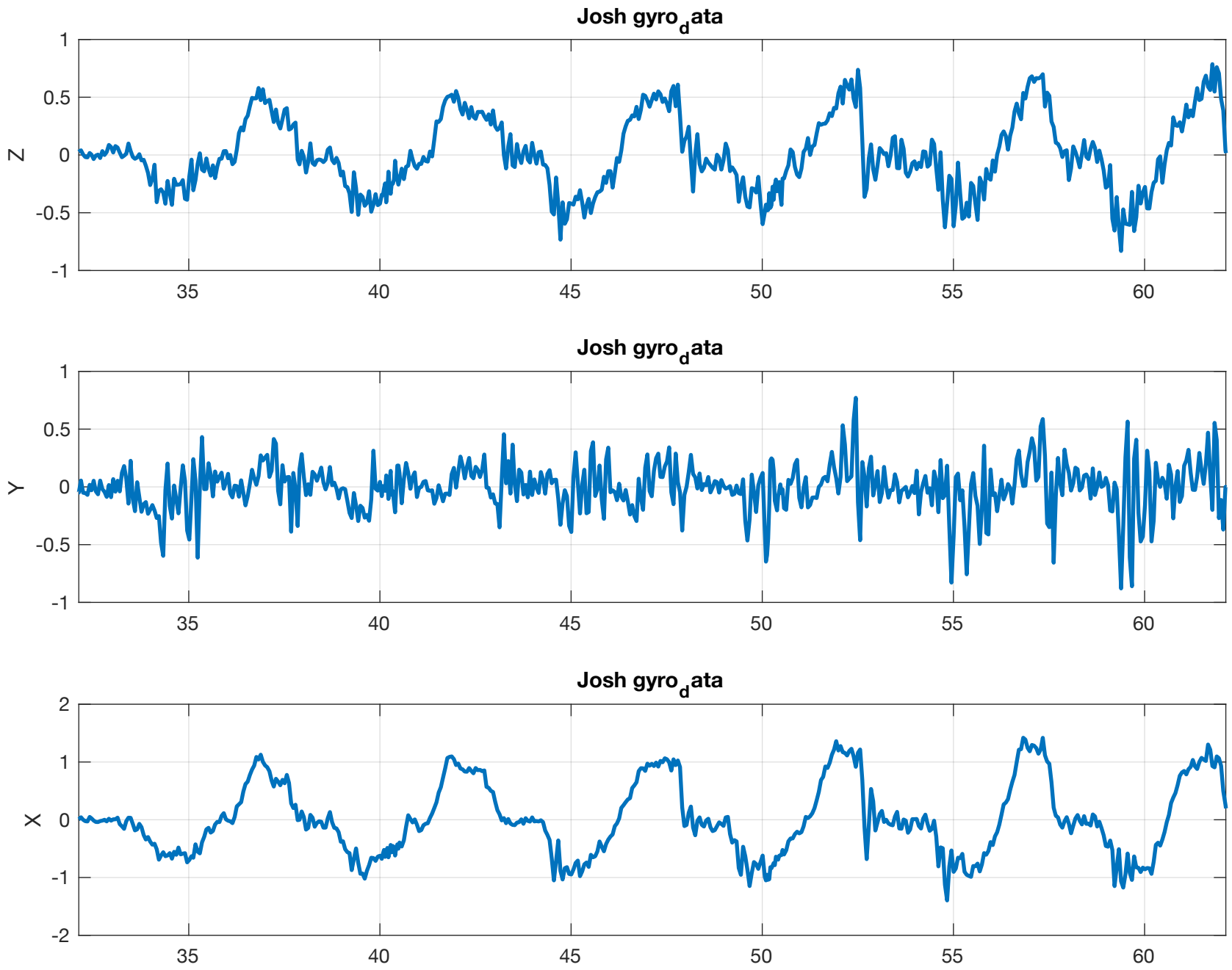

Josh bar_data
Relative Altitude
2
1
0
-1
-2
-3
35
40
45
50
55
60

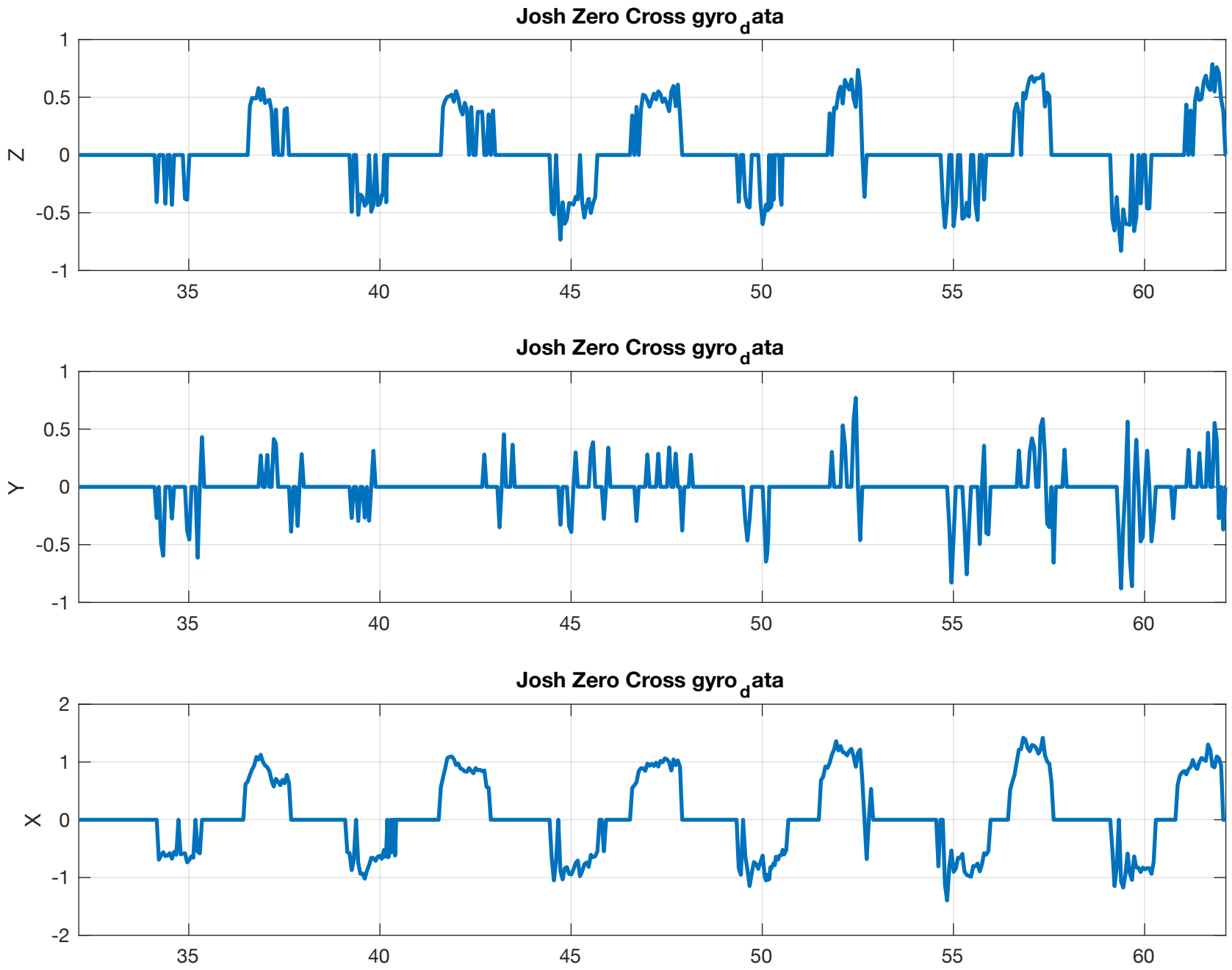

Josh bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
35
40
45
50
55
60


Josh Zero Cross bar_data
Relative Altitude
2
1
0
-1
-2
-3
35
40
45
50
55
60

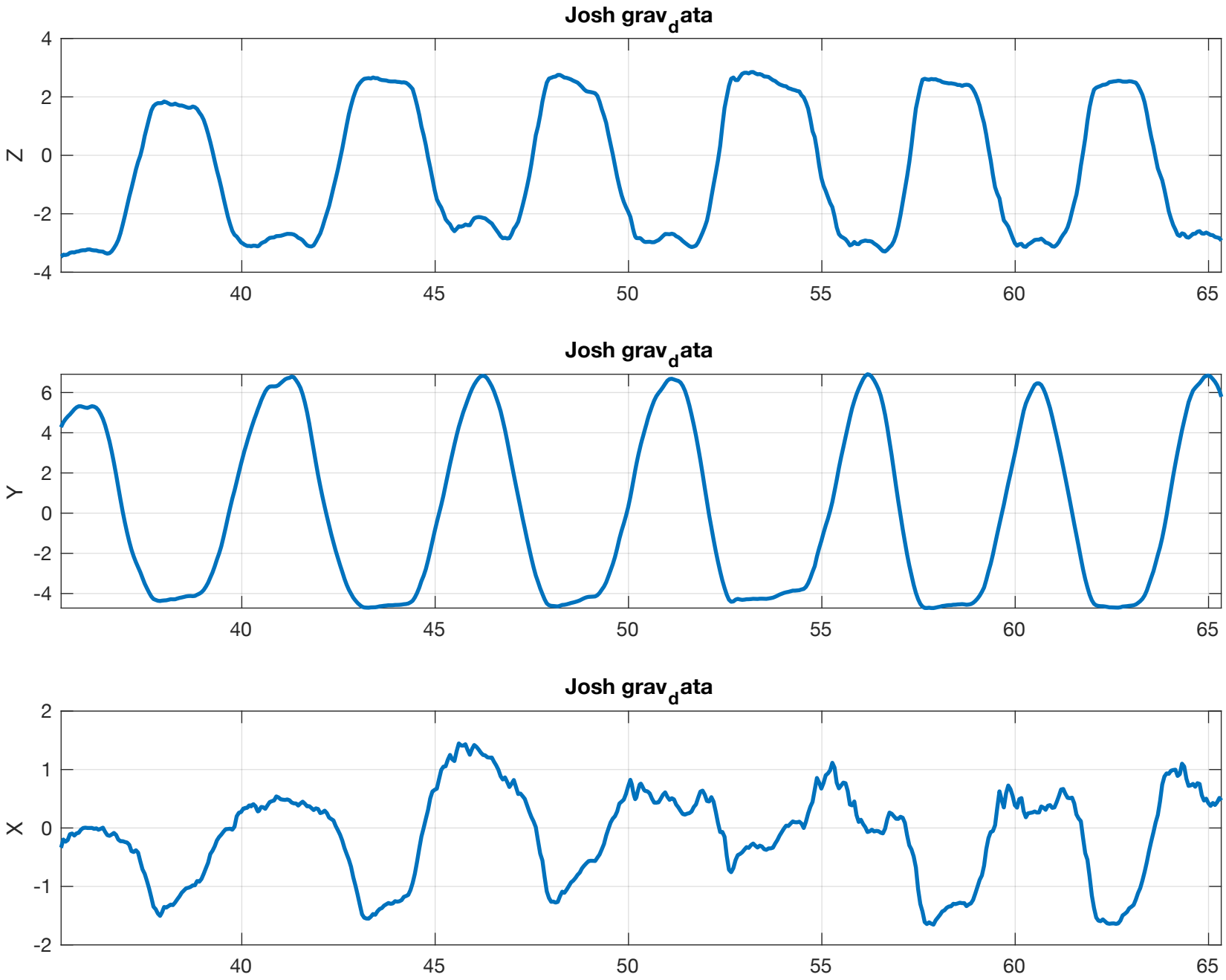

Josh Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
35
40
45
50
55
60

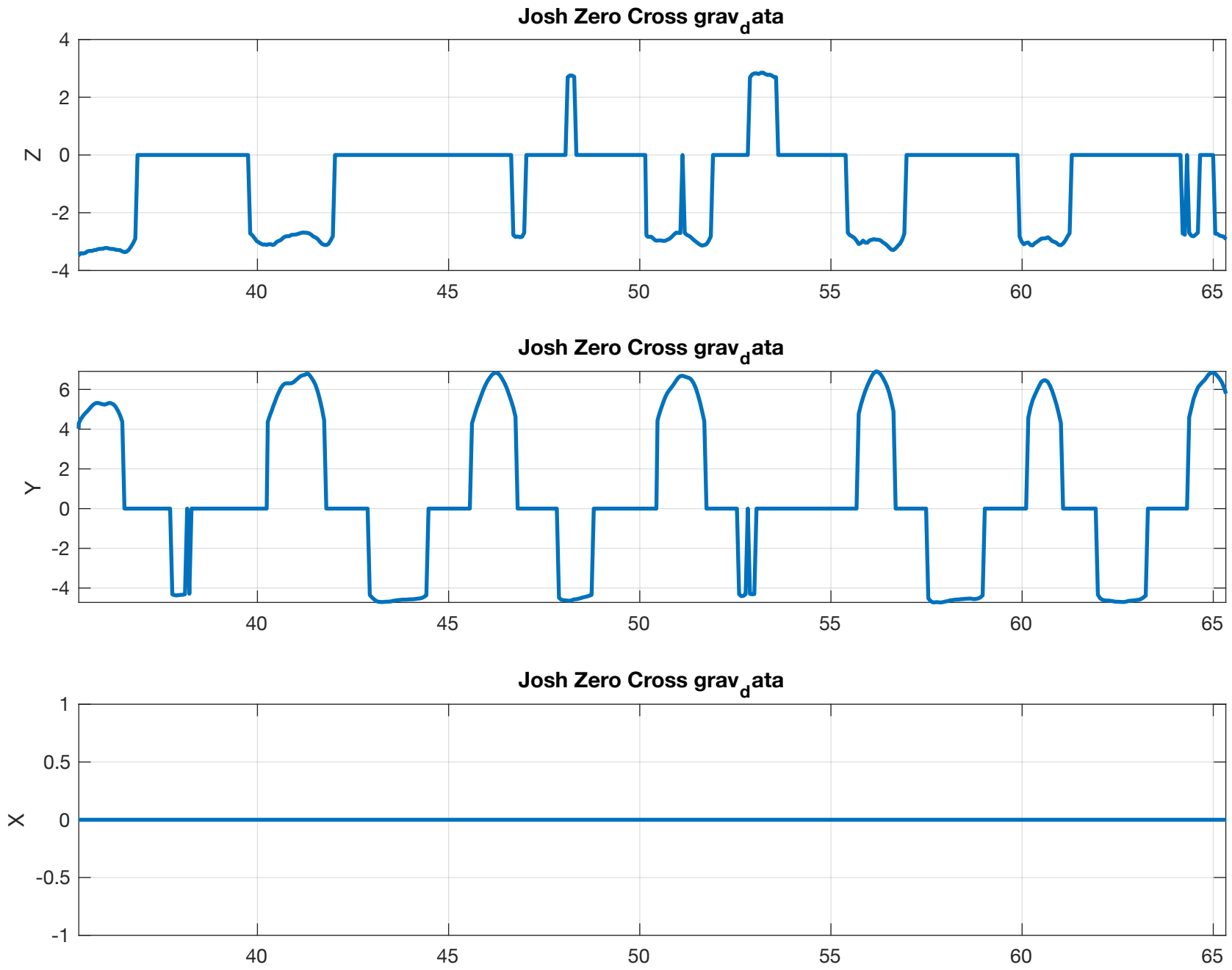
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-67.000	-59.000	-12.000	-22.250	"bar_data"
"Pressure"	-160.000	-89.000	-34.000	-22.250	"bar_data"


Josh gyro_data
Z
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Josh gyro_data
Y
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Josh gyro_data
X
2
1
0
-1
-2
35
40
45
50
55
60

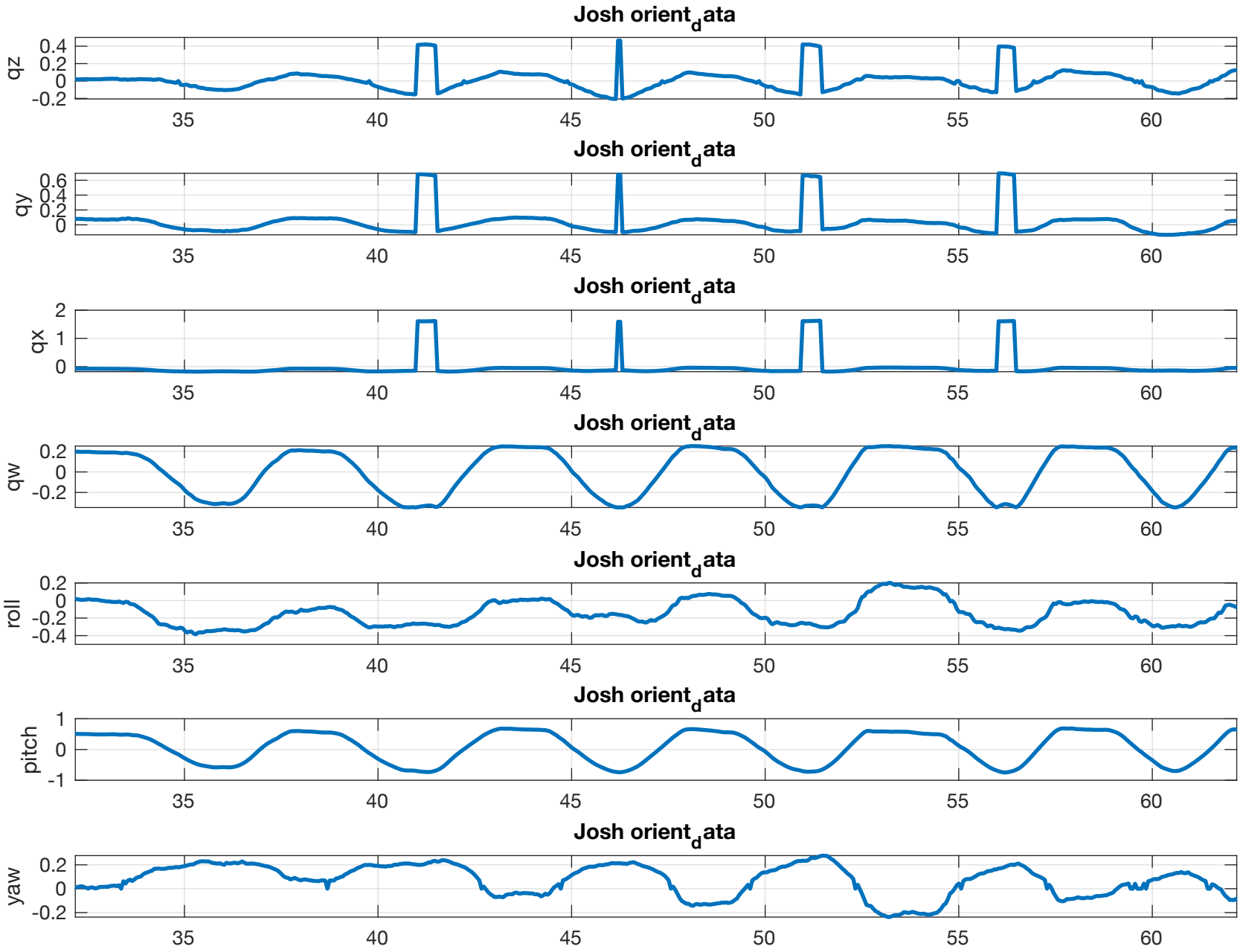

Josh Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Josh Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
35
40
45
50
55
60
Josh Zero Cross gyro_data
X
2
1
0
-1
-2
35
40
45
50
55
60

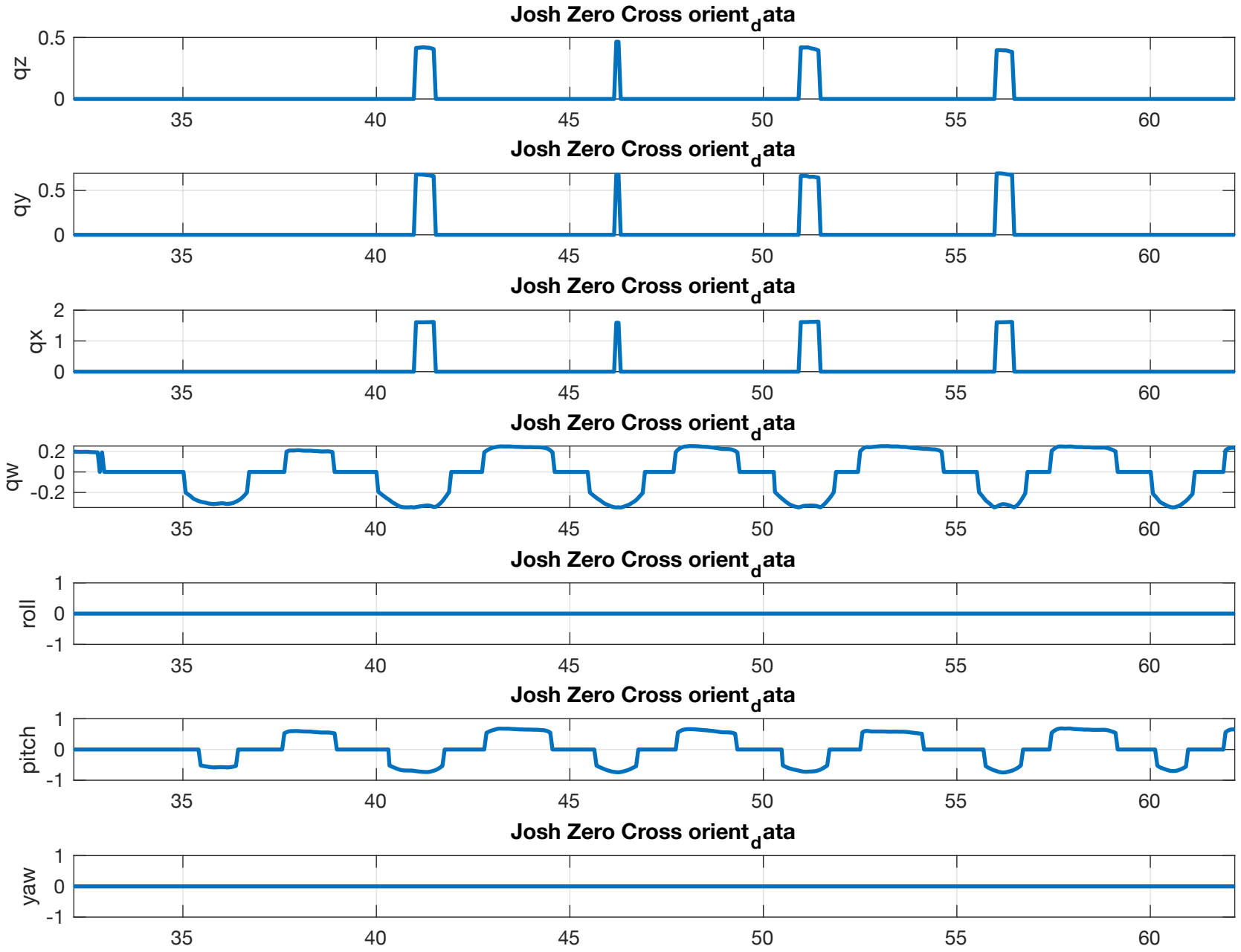
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-461.000	-330.000	-87.000	-37.000	"gyro_data"
'Y'	-475.000	-413.000	-128.000	-88.000	"gyro_data"
'X'	-435.000	-279.000	-81.000	-17.000	"gyro_data"


Josh grav_data
Z
4
2
0
-2
-4
40
45
50
55
60
65
Josh grav_data
Y
6
4
2
0
-2
-4
40
45
50
55
60
65
Josh grav_data
X
2
1
0
-1
-2
40
45
50
55
60
65


Josh Zero Cross grav_data
Z
4
2
0
-2
-4
40
45
50
55
60
65
Josh Zero Cross grav_data
Y
6
4
2
0
-2
-4
40
45
50
55
60
65
Josh Zero Cross grav_data
X
1
0.5
0
-0.5
-1
40
45
50
55
60
65

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-233.000	-115.000	-17.000	4.250	"grav_data"
'Y'	-137.000	-26.000	-3.000	-1.250	"grav_data"
'X'	-308.000	-122.000	-24.000	13.000	"grav_data"


Josh orientdata
qz
0.4
0.2
0
-0.2
35
40
45
50
55
60
Josh orientdata
qy
0.6
0.4
0.2
0
35
40
45
50
55
60
Josh orientdata
qx
2
1
0
35
40
45
50
55
60
Josh orientdata
qw
0.2
0
-0.2
35
40
45
50
55
60
Josh orientdata
roll
0.2
0
-0.2
-0.4
35
40
45
50
55
60
Josh orientdata
pitch
1
0
-1
35
40
45
50
55
60
Josh orientdata
yaw
0.2
0
-0.2
35
40
45
50
55
60


Josh Zero Cross orientdata
qz
0.5
0
35
40
45
50
55
60
Josh Zero Cross orientdata
qy
0.5
0
35
40
45
50
55
60
Josh Zero Cross orientdata
qx
2
1
0
35
40
45
50
55
60
Josh Zero Cross orientdata
qw
0.2
0
-0.2
35
40
45
50
55
60
Josh Zero Cross orientdata
roll
1
0
-1
35
40
45
50
55
60
Josh Zero Cross orientdata
pitch
1
0
-1
35
40
45
50
55
60
Josh Zero Cross orientdata
yaw
1
0
-1
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-249.000	-185.000	-44.000	5.250	"orient_data"
'qy'	-220.000	-166.000	-38.000	6.000	"orient_data"
'qx'	-219.000	-25.000	-2.000	9.250	"orient_data"
'qw'	-176.000	-151.000	-25.000	-1.250	"orient_data"
'roll'	-289.000	-68.000	-6.000	13.750	"orient_data"
'pitch'	-142.000	-120.000	-15.000	-1.250	"orient_data"
'yaw'	-248.000	-166.000	-30.000	11.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'double_findpeaks'	161.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	12.000
'gyro_data'	"X"	'zero_cross'	17.000
'grav_data'	"Y"	'zero_cross'	1.250
'orient_data'	"qw"	'zero_cross'	1.250