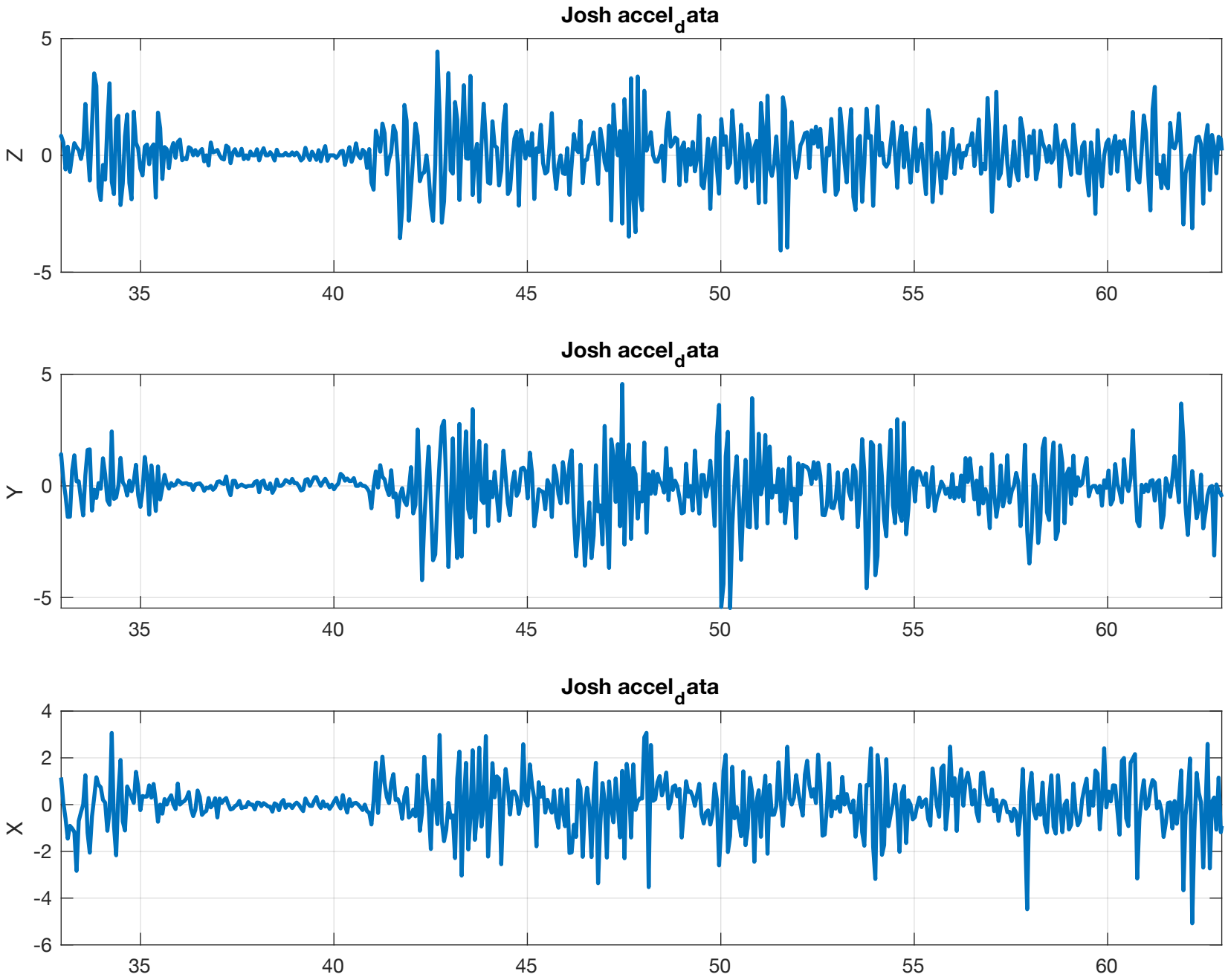
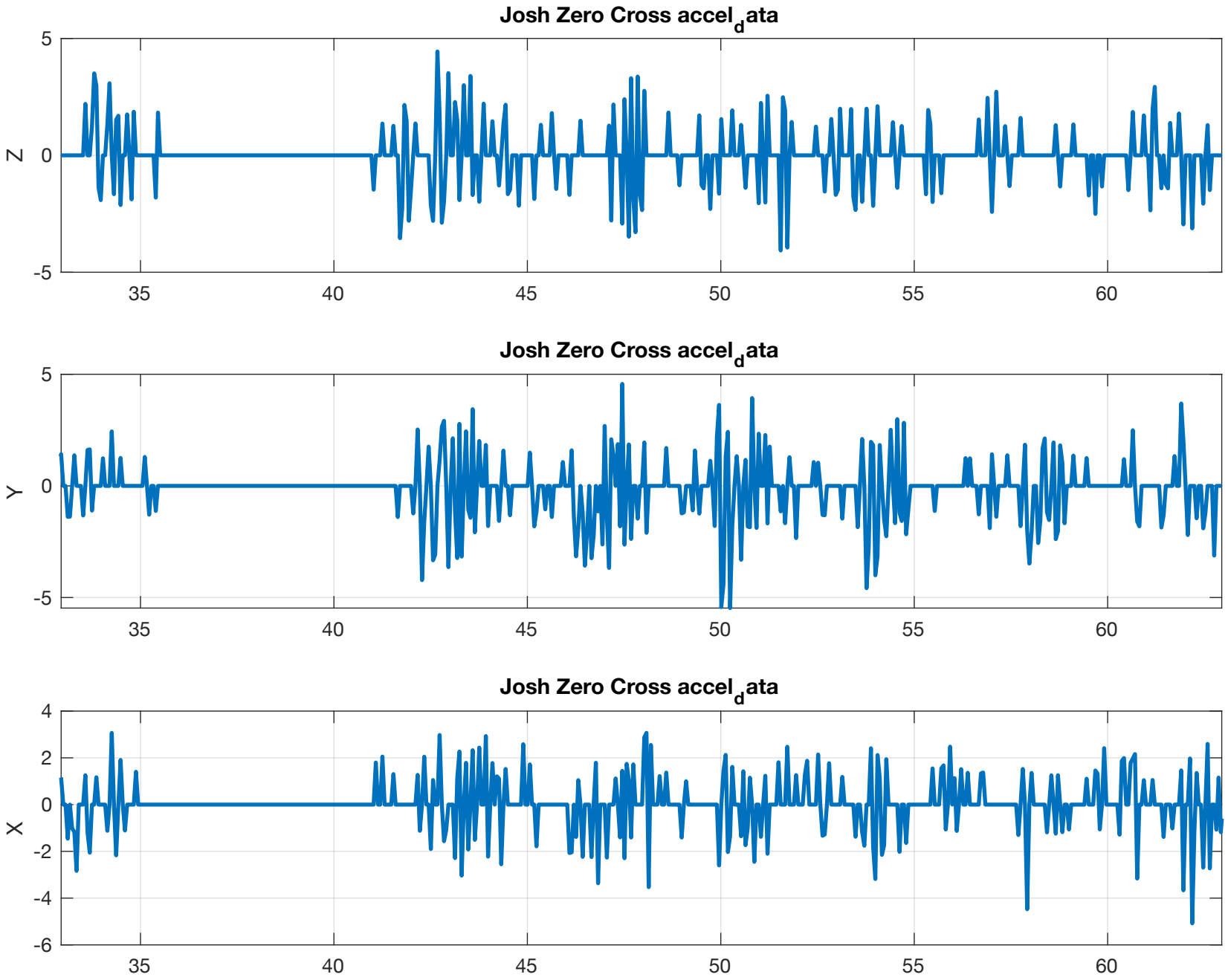
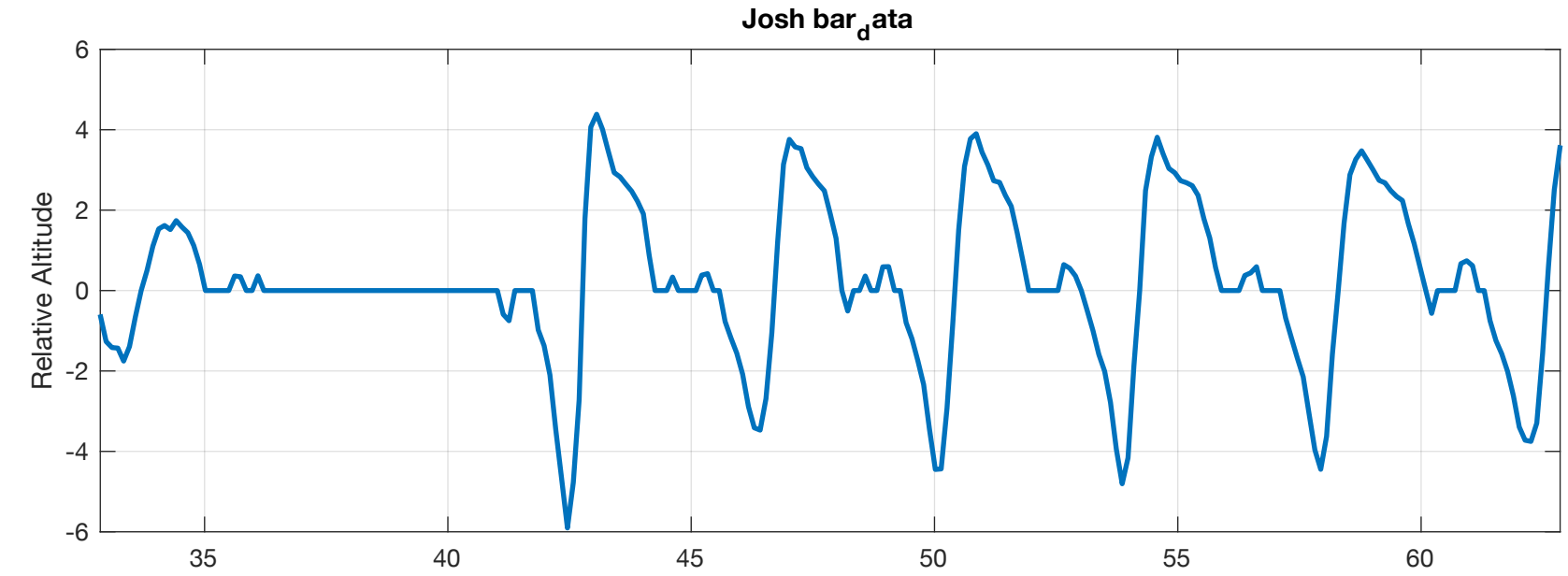
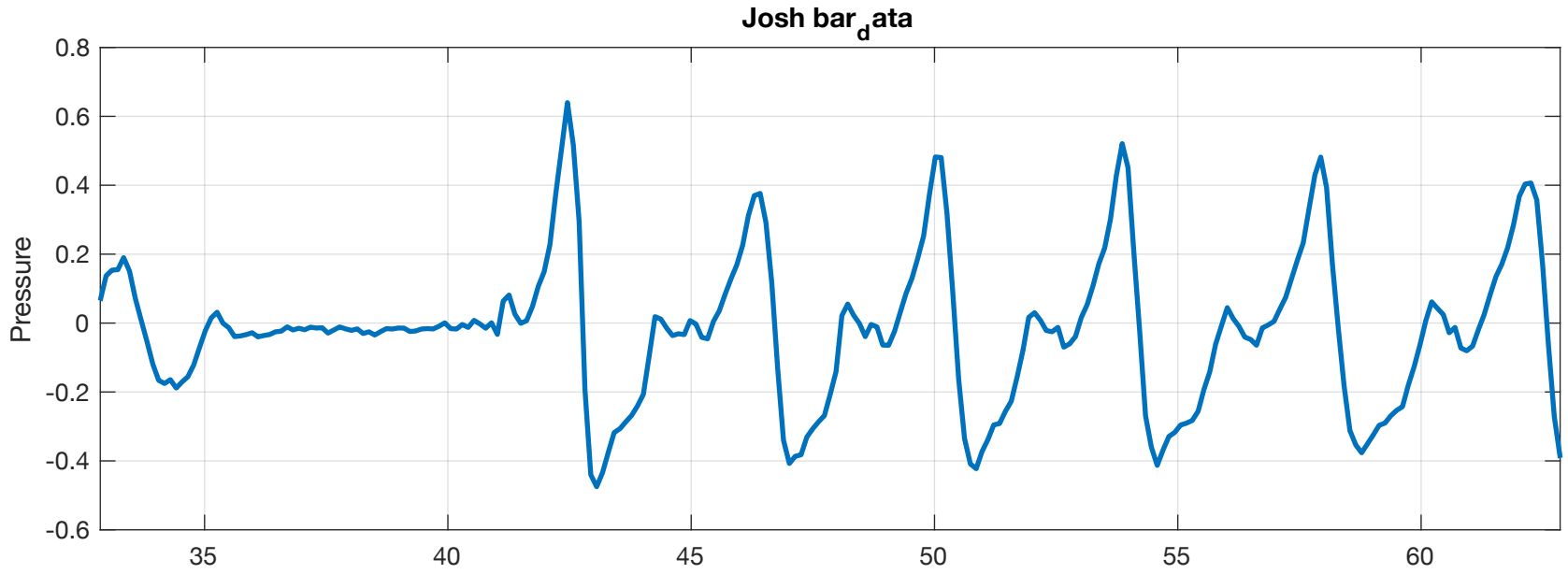
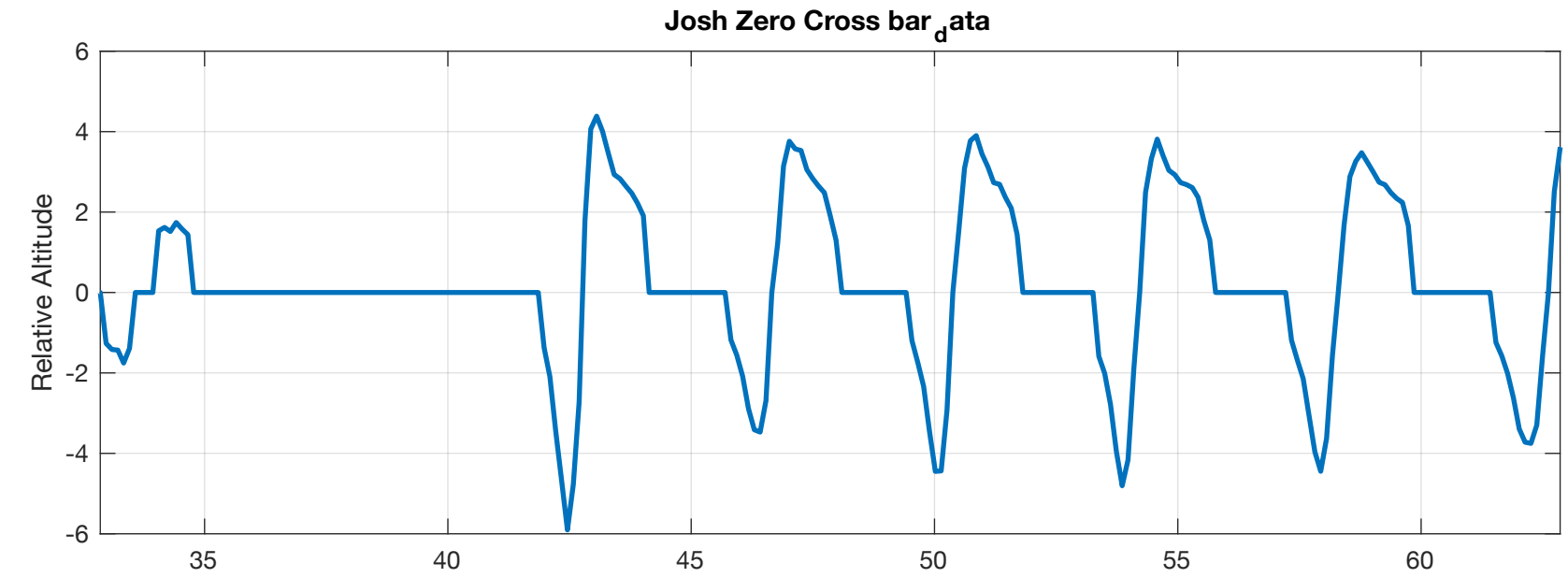

Josh accel_data
Z
5
0
-5
35
40
45
50
55
60
Josh accel_data
Y
5
0
-5
35
40
45
50
55
60
Josh accel_data
X
4
2
0
-2
-4
-6
35
40
45
50
55
60

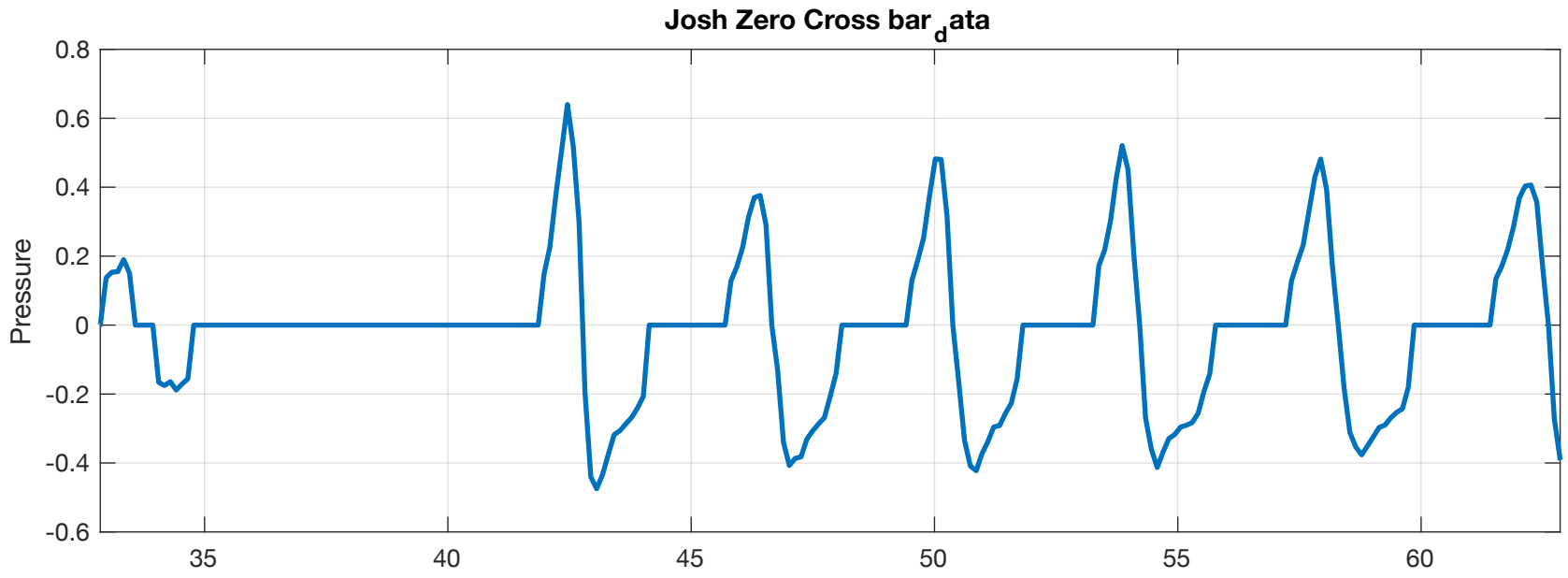

Josh Zero Cross accel_data
Z
5
0
-5
35
40
45
50
55
60
Josh Zero Cross accel_data
Y
5
0
-5
35
40
45
50
55
60
Josh Zero Cross accel_data
X
4
2
0
-2
-4
-6
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-251.000	-224.000	-77.000	-61.000	"accel_data"
'Y'	-263.000	-236.000	-75.000	-70.500	"accel_data"
'X'	-242.000	-216.000	-70.000	-74.000	"accel_data"

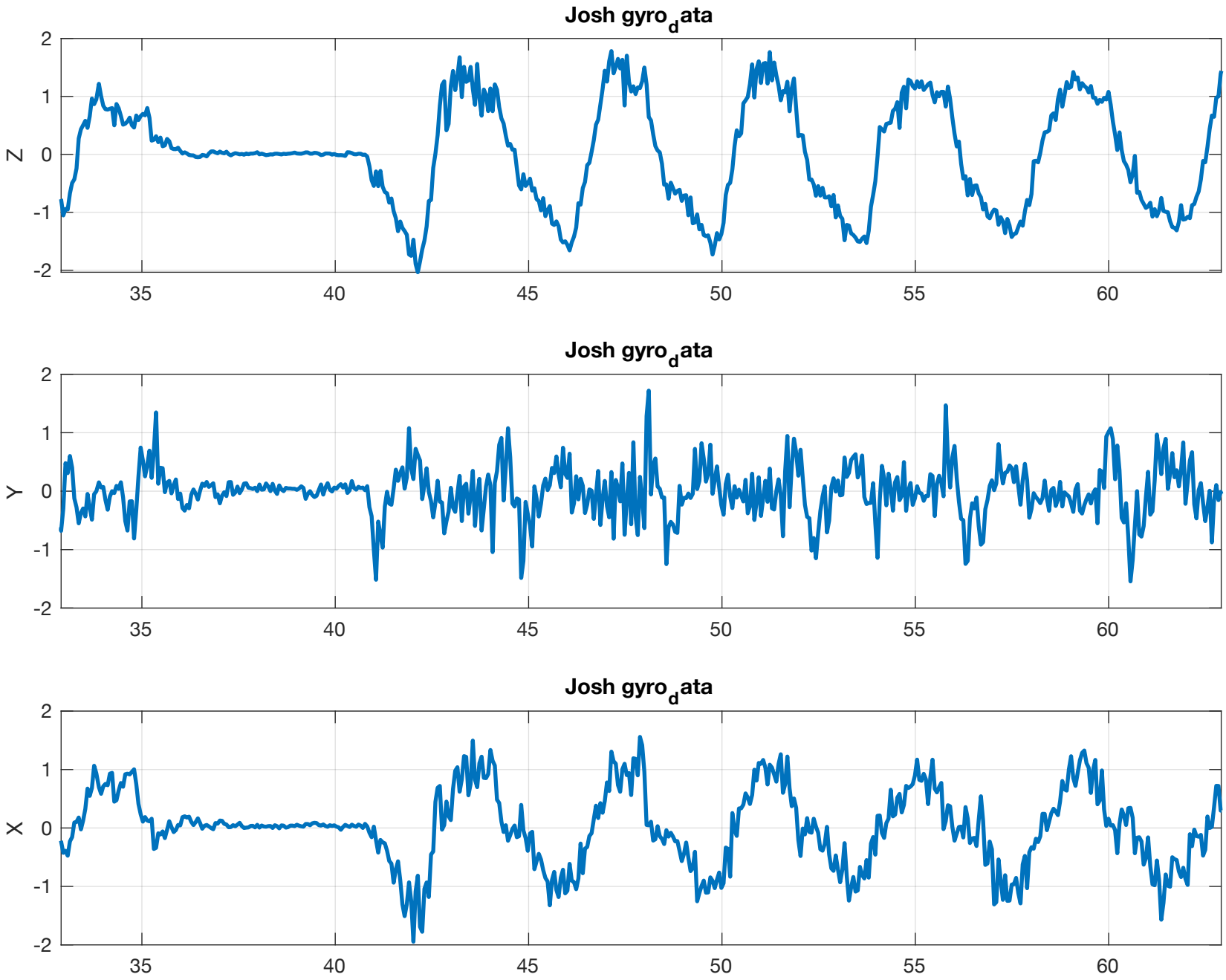

Josh bar_data
Relative Altitude
6
4
2
0
-2
-4
-6
35
40
45
50
55
60

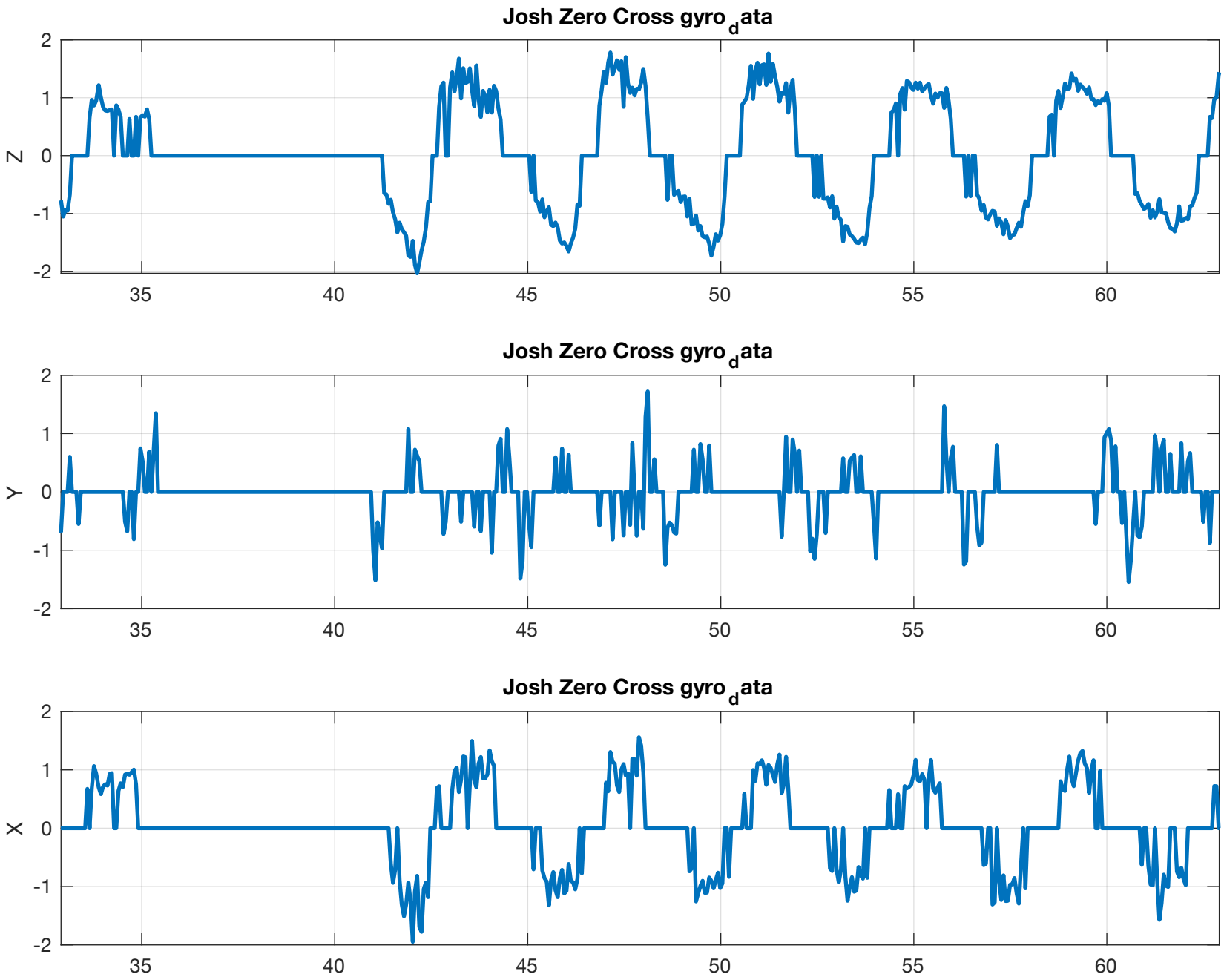

Josh bar_data
Pressure
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
35
40
45
50
55
60


Josh Zero Cross bar_data
Relative Altitude
6
4
2
0
-2
-4
-6
35
40
45
50
55
60

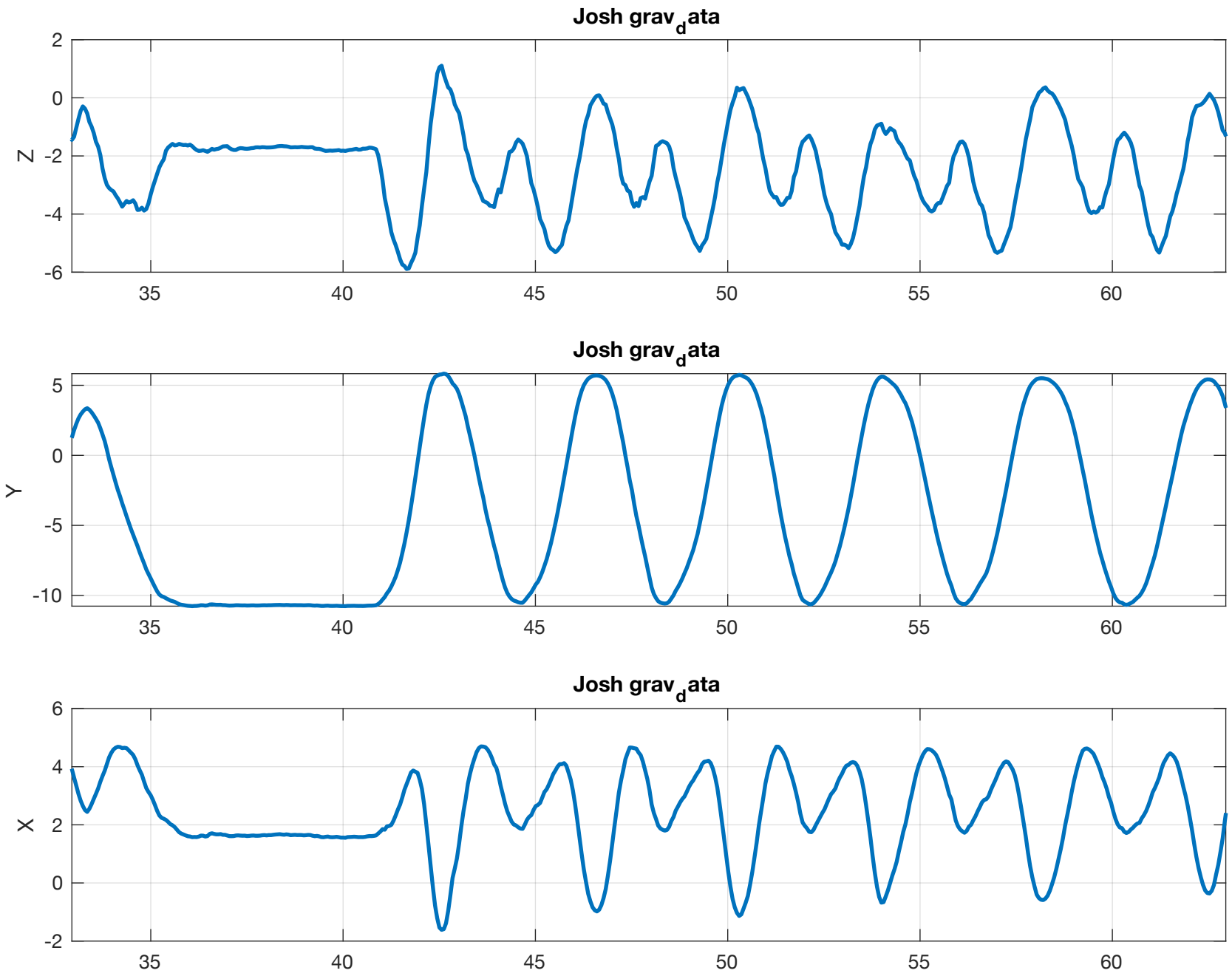

Josh Zero Cross bar_data
Pressure
0.8
0.6
0.4
0.2
0
-0.2
-0.4
-0.6
35
40
45
50
55
60

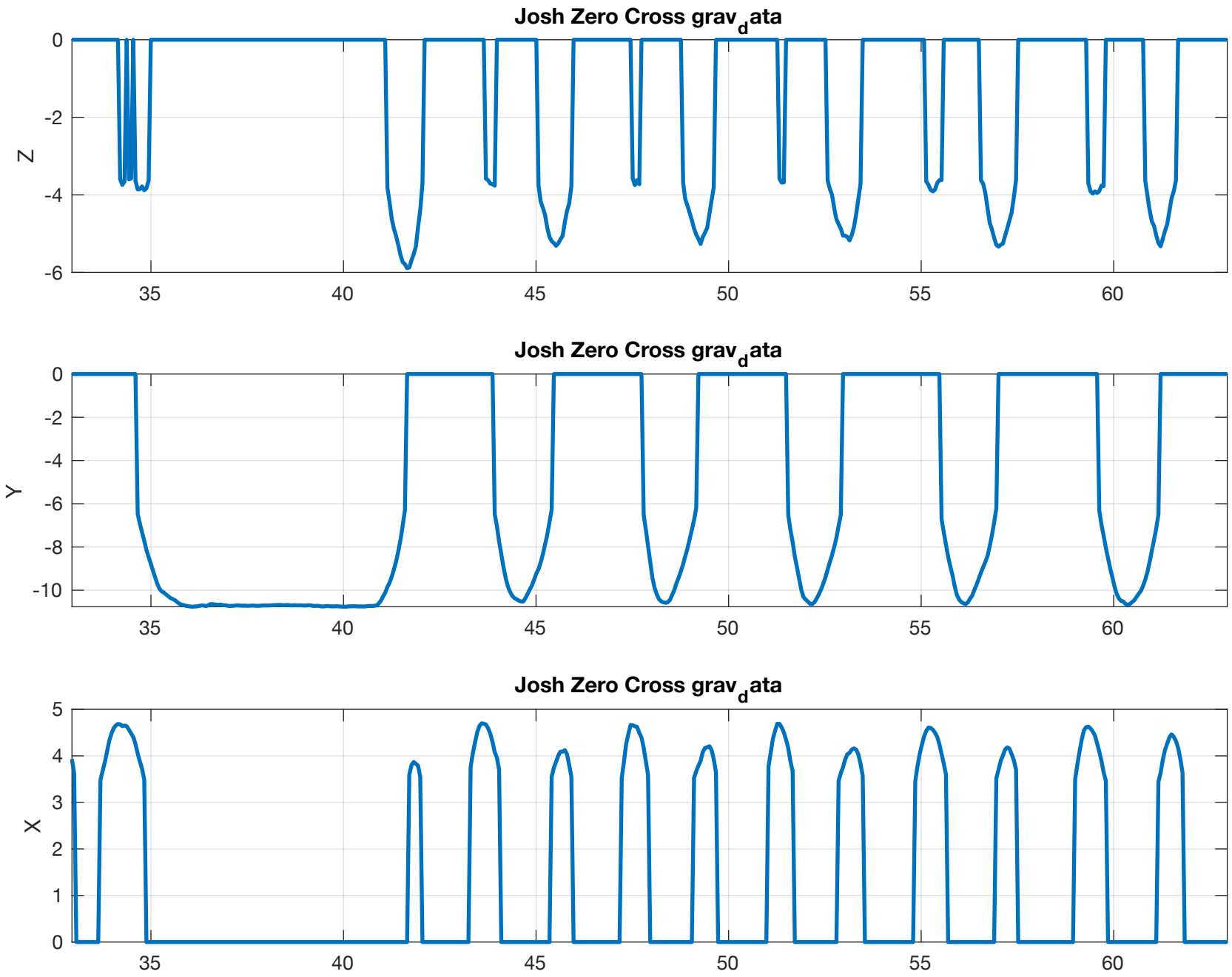
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-21.000	-20.000	-3.000	-1.500	"bar_data"
"Pressure"	-62.000	-27.000	-12.000	-1.500	"bar_data"


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

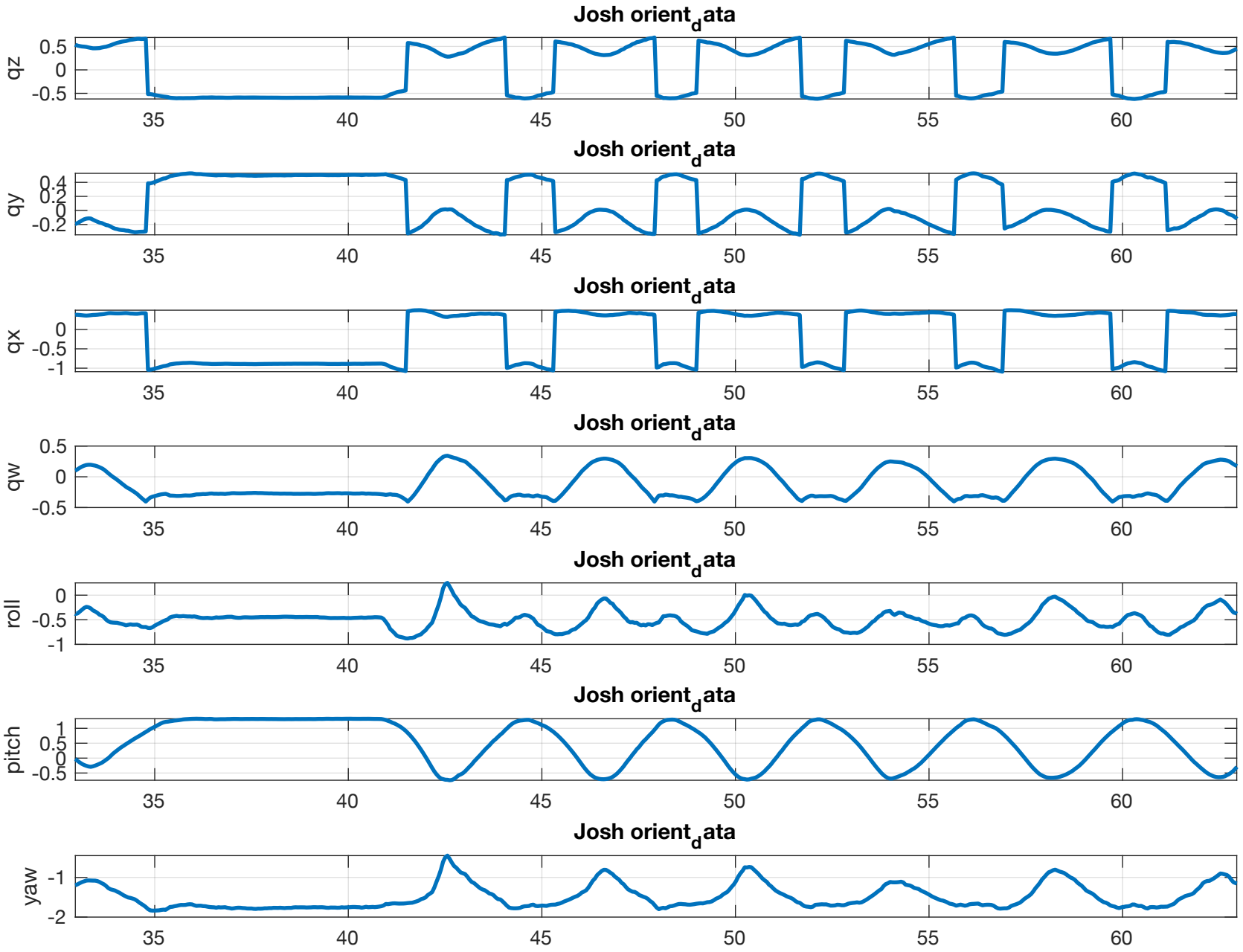

Josh Zero Cross gyro_data
Z
2
1
0
-1
-2
35
40
45
50
55
60
Josh Zero Cross gyro_data
Y
2
1
0
-1
-2
35
40
45
50
55
60
Josh Zero Cross gyro_data
X
2
1
0
-1
-2
35
40
45
50
55
60

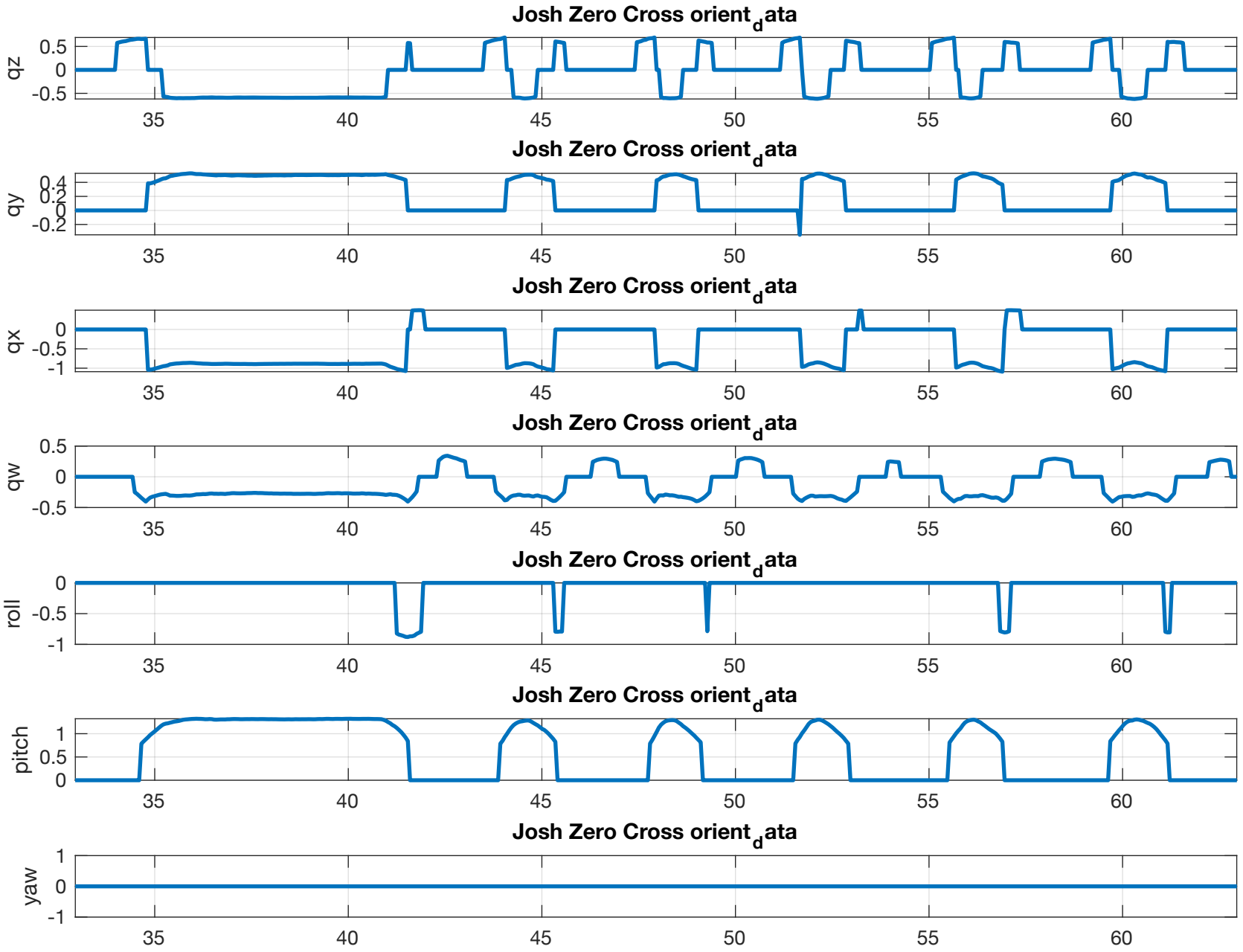
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-204.000	-134.000	-30.000	-10.500	"gyro_data"
'Y'	-229.000	-191.000	-59.000	-36.500	"gyro_data"
'X'	-234.000	-162.000	-44.000	-16.000	"gyro_data"


Josh grav_data
Z
2
0
-2
-4
-6
35
40
45
50
55
60
Josh grav_data
Y
5
0
-5
-10
35
40
45
50
55
60
Josh grav_data
X
6
4
2
0
-2
35
40
45
50
55
60


Josh Zero Cross grav_data
Z
0
-2
-4
-6
35
40
45
50
55
60
Josh Zero Cross grav_data
Y
0
-2
-4
-6
-8
-10
35
40
45
50
55
60
Josh Zero Cross grav_data
X
5
4
3
2
1
0
35
40
45
50
55
60

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-69.000	-1.000	1.000	-1.000	"grav_data"
'Y'	-50.000	-23.000	-2.000	2.750	"grav_data"
'X'	-61.000	-42.000	-7.000	-3.000	"grav_data"


Josh orientdata
qz
0.5
0
-0.5
35
40
45
50
55
60
Josh orientdata
qy
0.4
0.2
0
-0.2
35
40
45
50
55
60
Josh orientdata
qx
0
-0.5
-1
35
40
45
50
55
60
Josh orientdata
qw
0.5
0
-0.5
35
40
45
50
55
60
Josh orientdata
roll
0
-0.5
-1
35
40
45
50
55
60
Josh orientdata
pitch
1
0.5
0
-0.5
35
40
45
50
55
60
Josh orientdata
yaw
-1
-2
35
40
45
50
55
60


Josh Zero Cross orientdata
qz
0.5
0
-0.5
35
40
45
50
55
60
Josh Zero Cross orientdata
qy
0.4
0.2
0
-0.2
35
40
45
50
55
60
Josh Zero Cross orientdata
qx
0
-0.5
-1
35
40
45
50
55
60
Josh Zero Cross orientdata
qw
0.5
0
-0.5
35
40
45
50
55
60
Josh Zero Cross orientdata
roll
0
-0.5
-1
35
40
45
50
55
60
Josh Zero Cross orientdata
pitch
1
0.5
0
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'	-63.000	-39.000	-5.000	-4.750	"orient_data"
'qy'	-64.000	-43.000	-10.000	2.750	"orient_data"
'qx'	-86.000	-52.000	-12.000	1.750	"orient_data"
'qw'	-76.000	-25.000	-7.000	-0.750	"orient_data"
'roll'	-83.000	-4.000	1.000	3.500	"orient_data"
'pitch'	-48.000	-28.000	-3.000	2.750	"orient_data"
'yaw'	-87.000	5.000	6.000	6.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Z"	'zero_cross'	61.000
'bar_data'	"Relative Altitude"	'zero_cross'	1.500
'gyro_data'	"Z"	'zero_cross'	10.500
'grav_data'	"Z"	'findpeaks_above_zero'	1.000
'orient_data'	"qw"	'zero_cross'	0.750