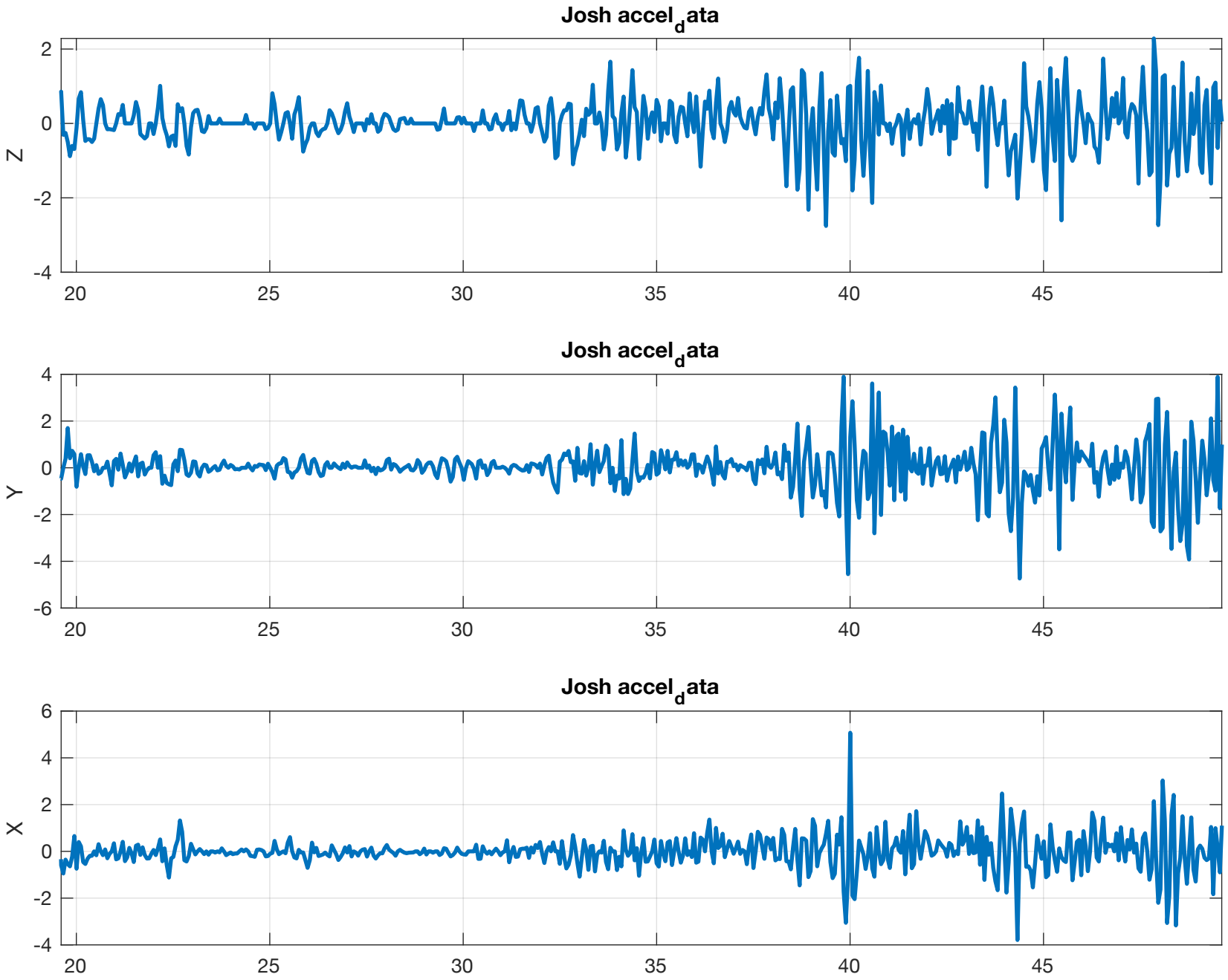
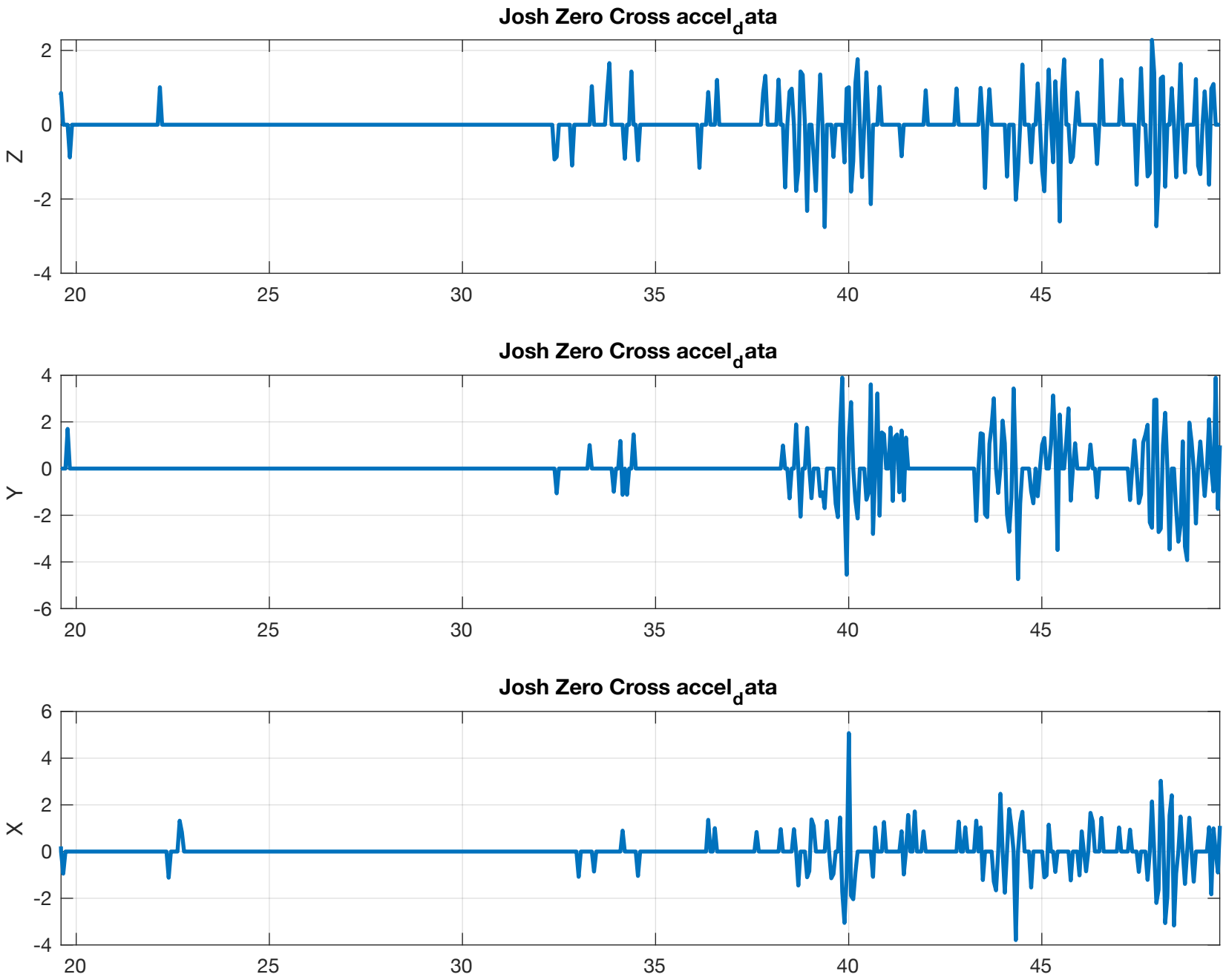
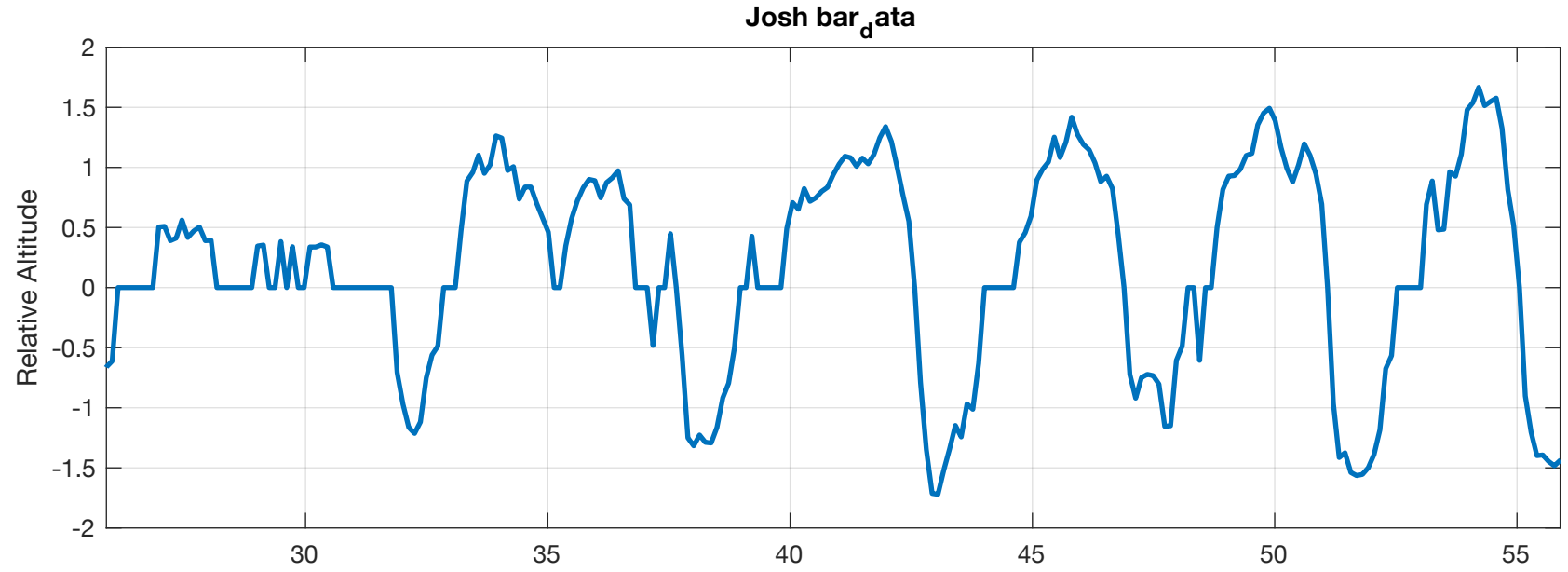
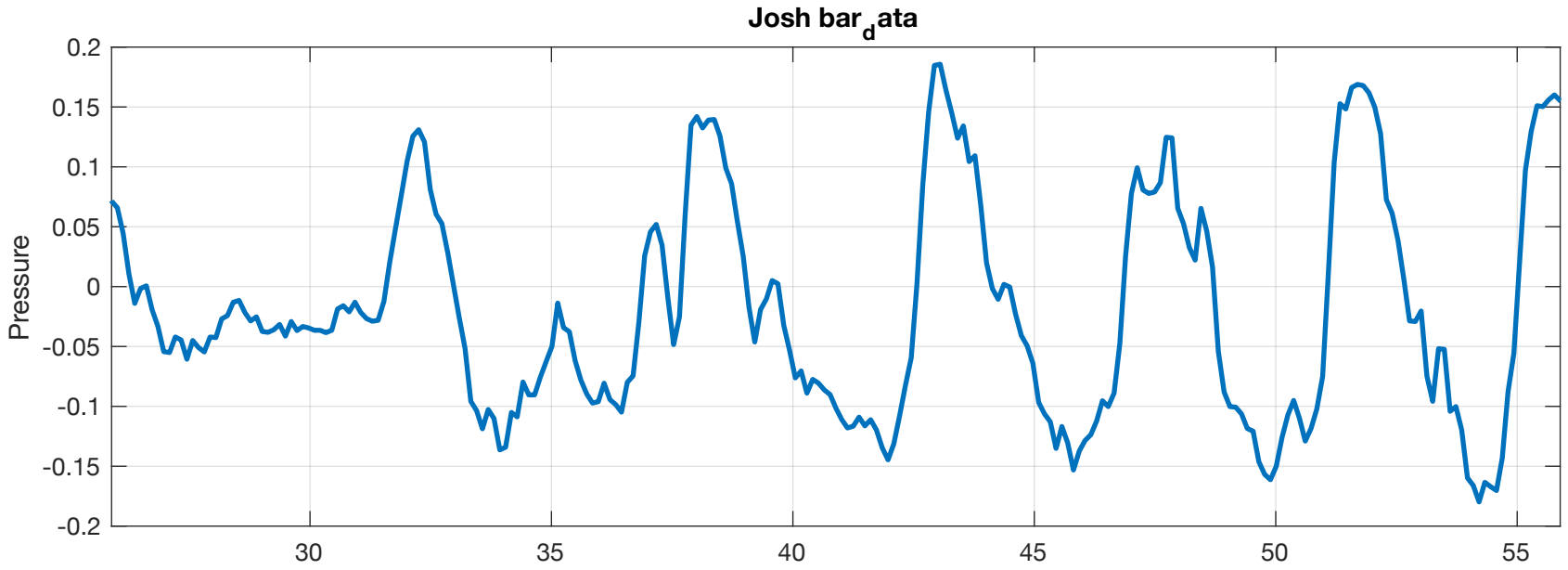
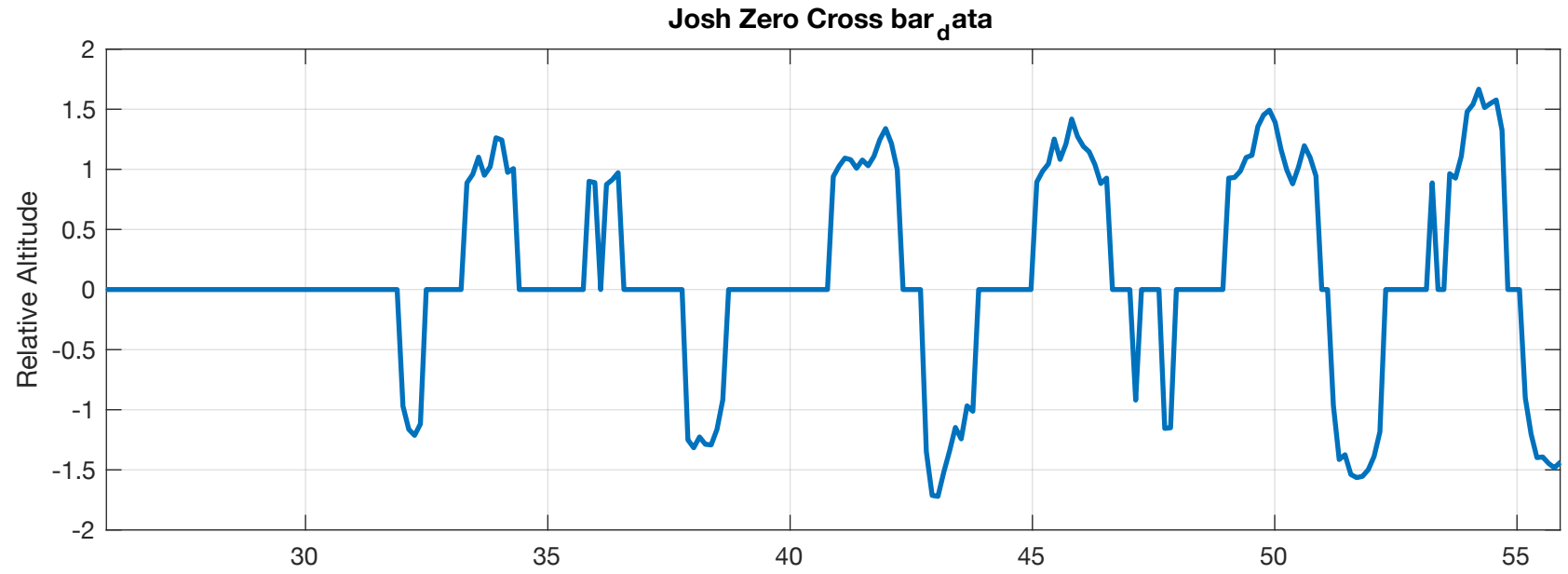

Josh accel_data
Z
2
0
-2
-4
20
25
30
35
40
45
Josh accel_data
Y
4
2
0
-2
-4
-6
20
25
30
35
40
45
Josh accel_data
X
6
4
2
0
-2
-4
20
25
30
35
40
45

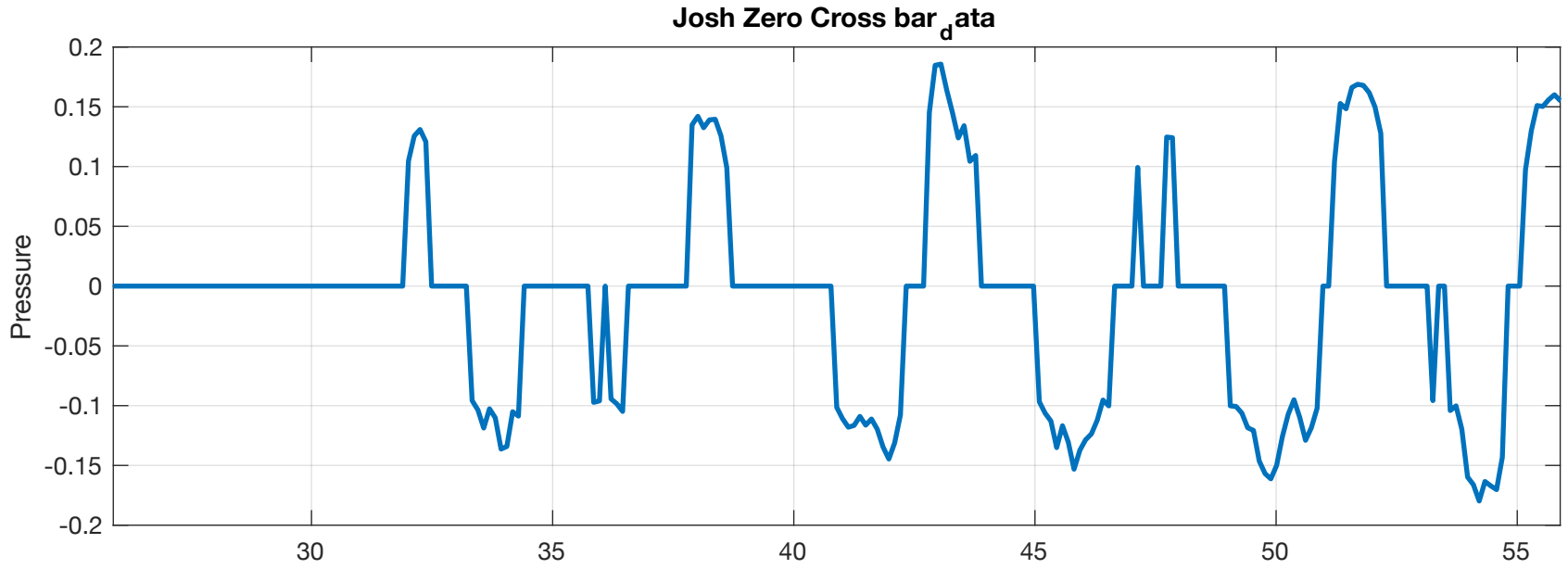

Josh Zero Cross accel_data
Z
2
0
-2
-4
20
25
30
35
40
45
Josh Zero Cross accel_data
Y
4
2
0
-2
-4
-6
20
25
30
35
40
45
Josh Zero Cross accel_data
X
6
4
2
0
-2
-4
20
25
30
35
40
45

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-327.000	-285.000	-100.000	-111.000	"accel_data"
'Y'	-399.000	-340.000	-115.000	-97.500	"accel_data"
'X'	-378.000	-326.000	-107.000	-117.500	"accel_data"

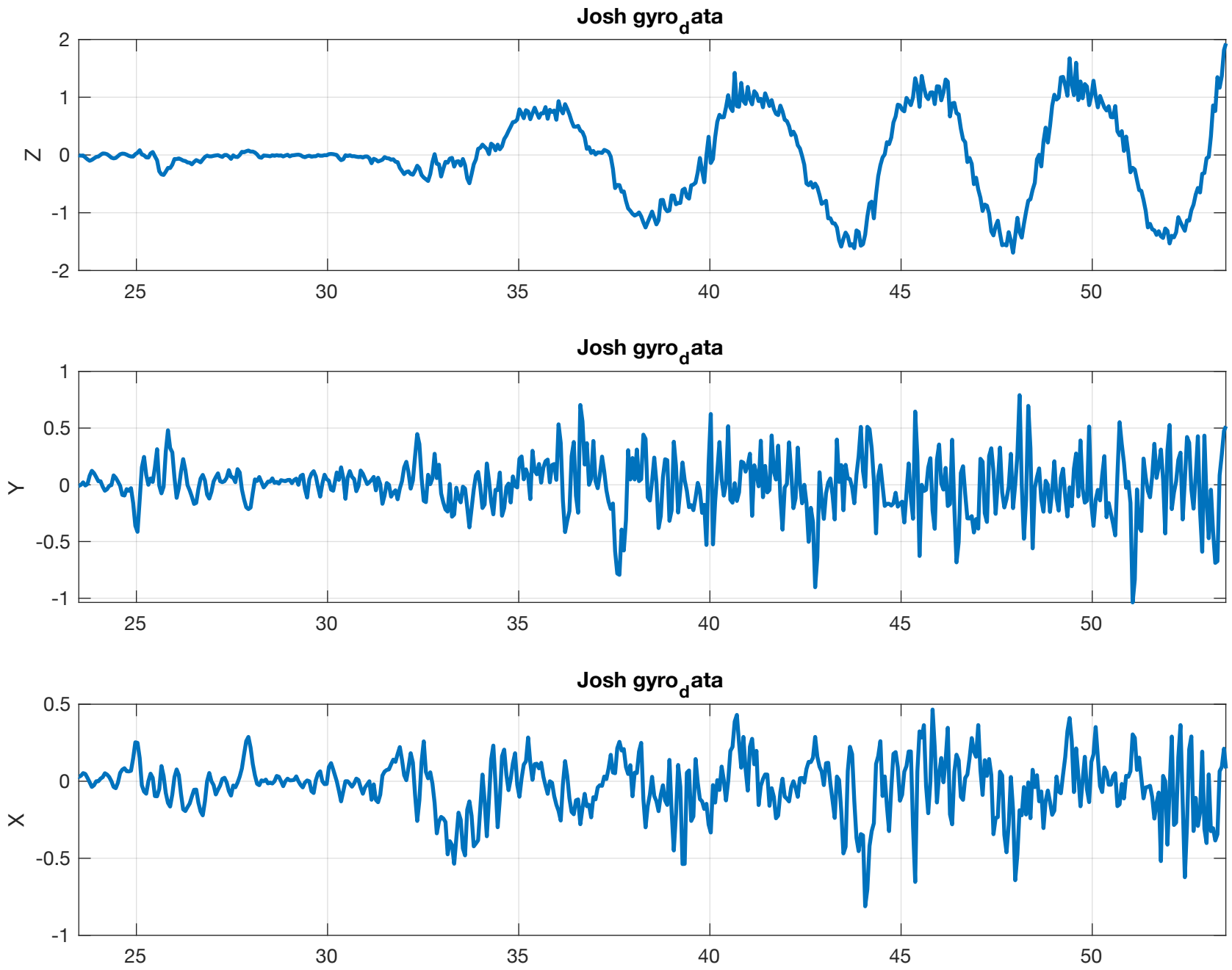

Josh bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
30
35
40
45
50
55

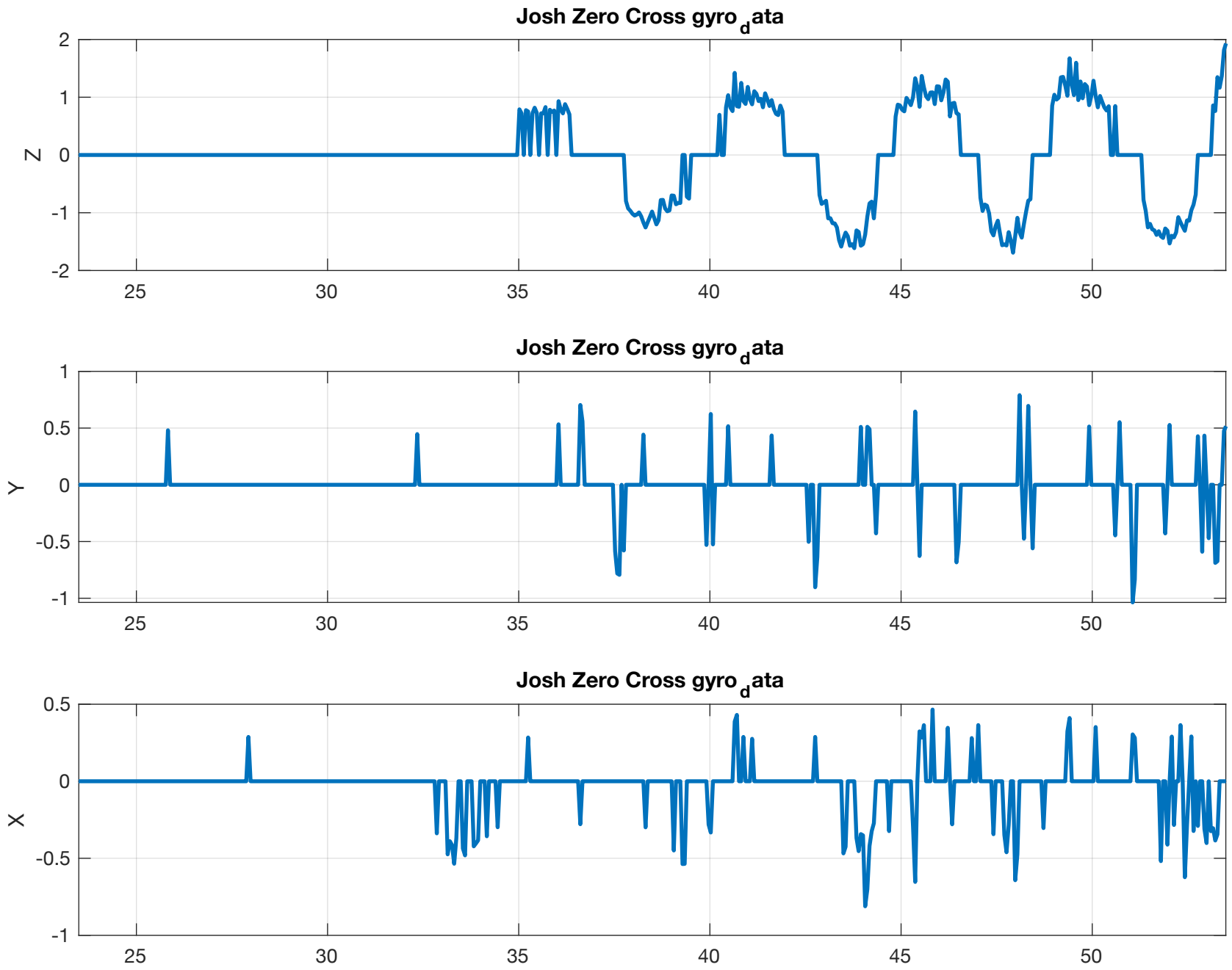

Josh bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
30
35
40
45
50
55


Josh Zero Cross bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
30
35
40
45
50
55

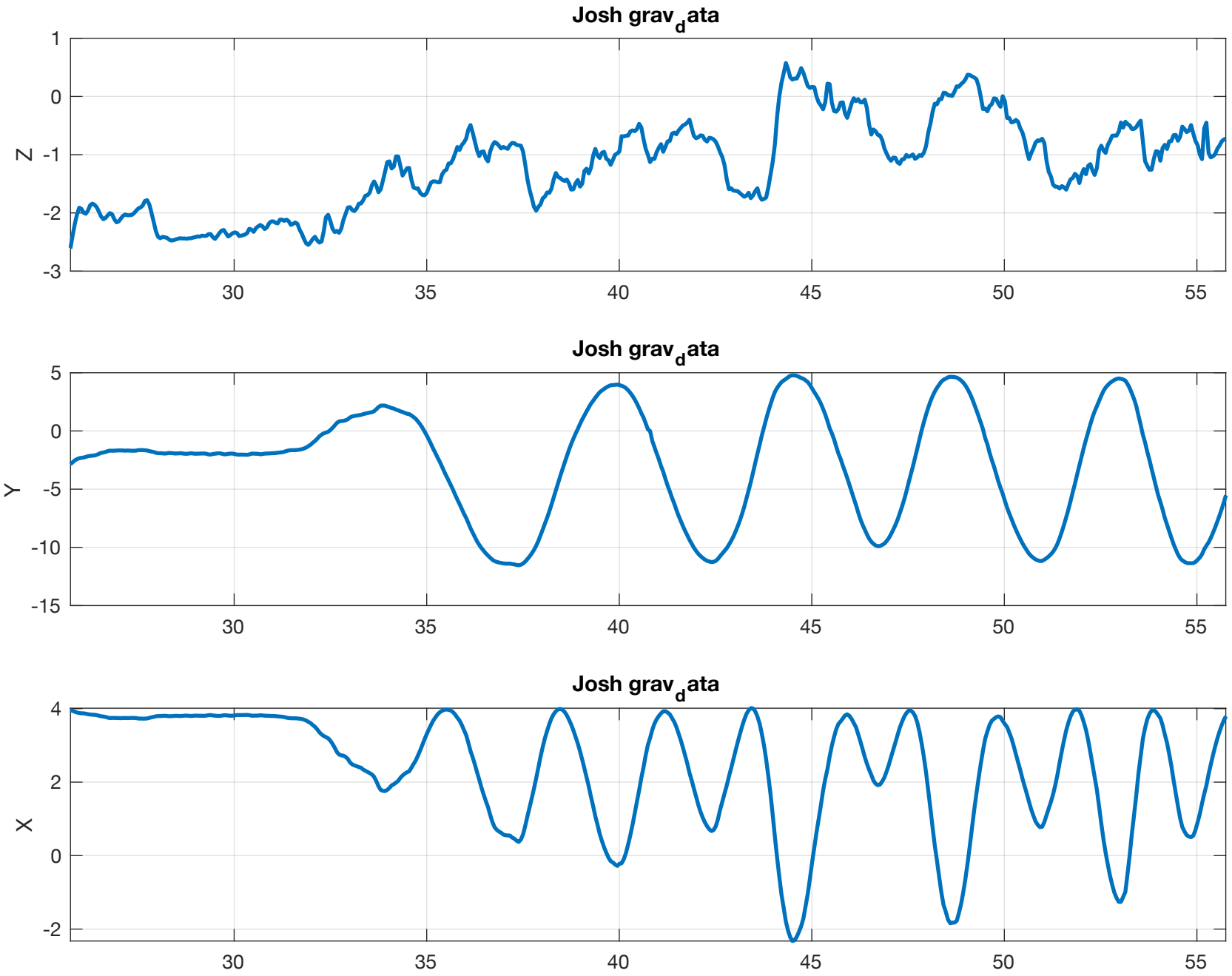

Josh Zero Cross bar_data
Pressure
0.2
0.15
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
30
35
40
45
50
55

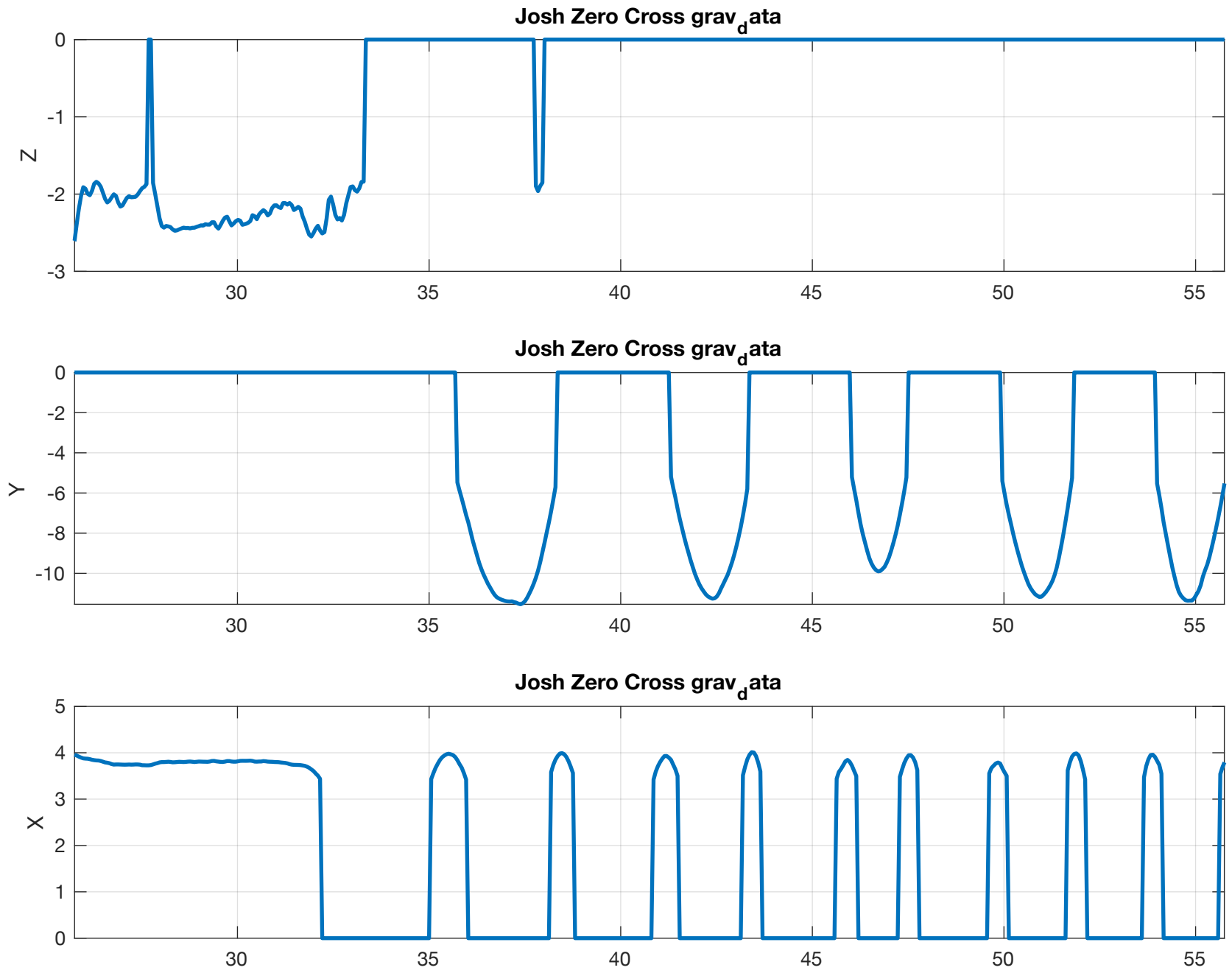
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-117.000	-73.000	-18.000	-15.750	"bar_data"
"Pressure"	-162.000	-88.000	-23.000	-15.750	"bar_data"


Josh gyro_data
Z
2
1
0
-1
-2
25
30
35
40
45
50
Josh gyro_data
Y
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh gyro_data
X
0.5
0
-0.5
-1
25
30
35
40
45
50

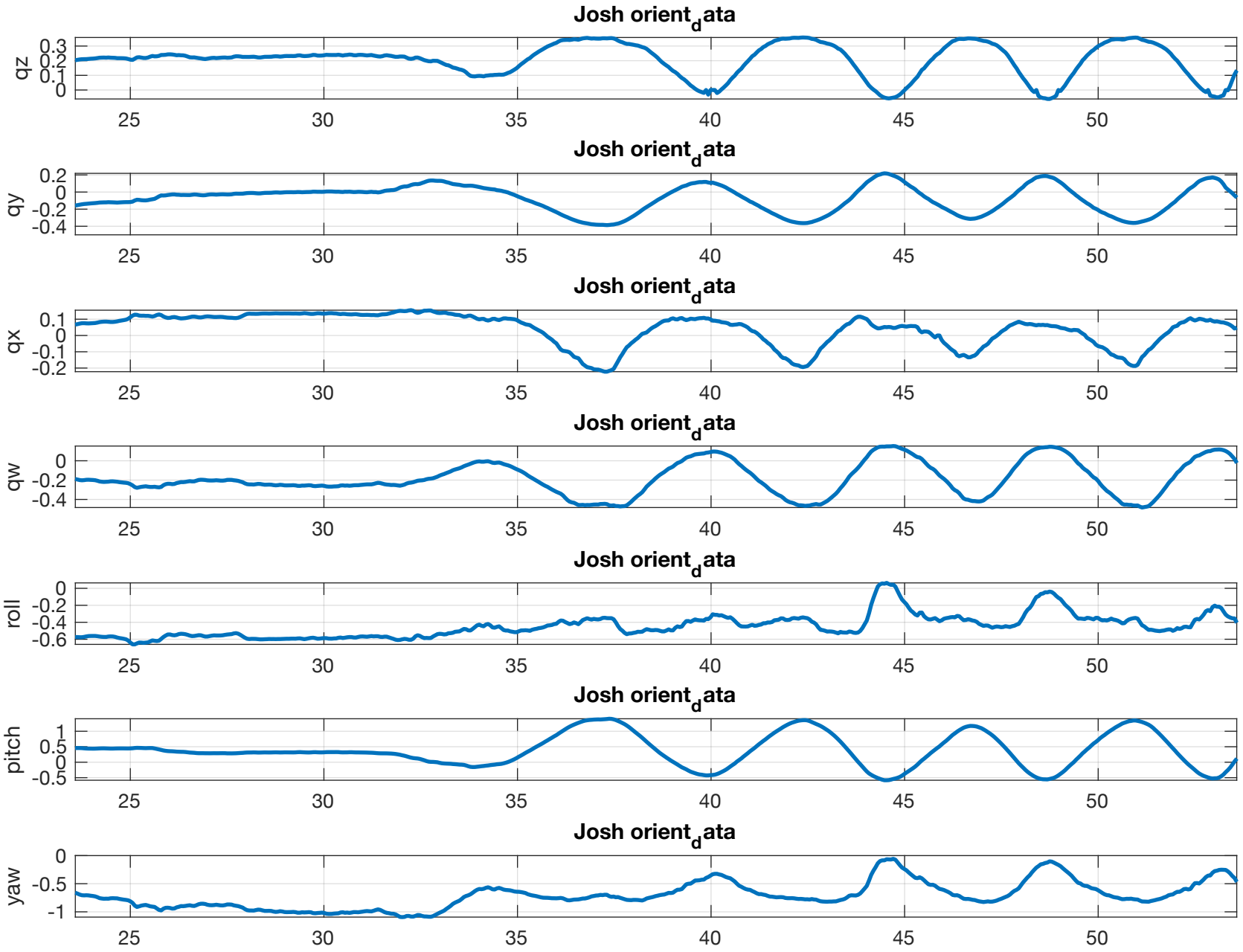

Josh Zero Cross gyro_data
Z
2
1
0
-1
-2
25
30
35
40
45
50
Josh Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh Zero Cross gyro_data
X
0.5
0
-0.5
-1
25
30
35
40
45
50

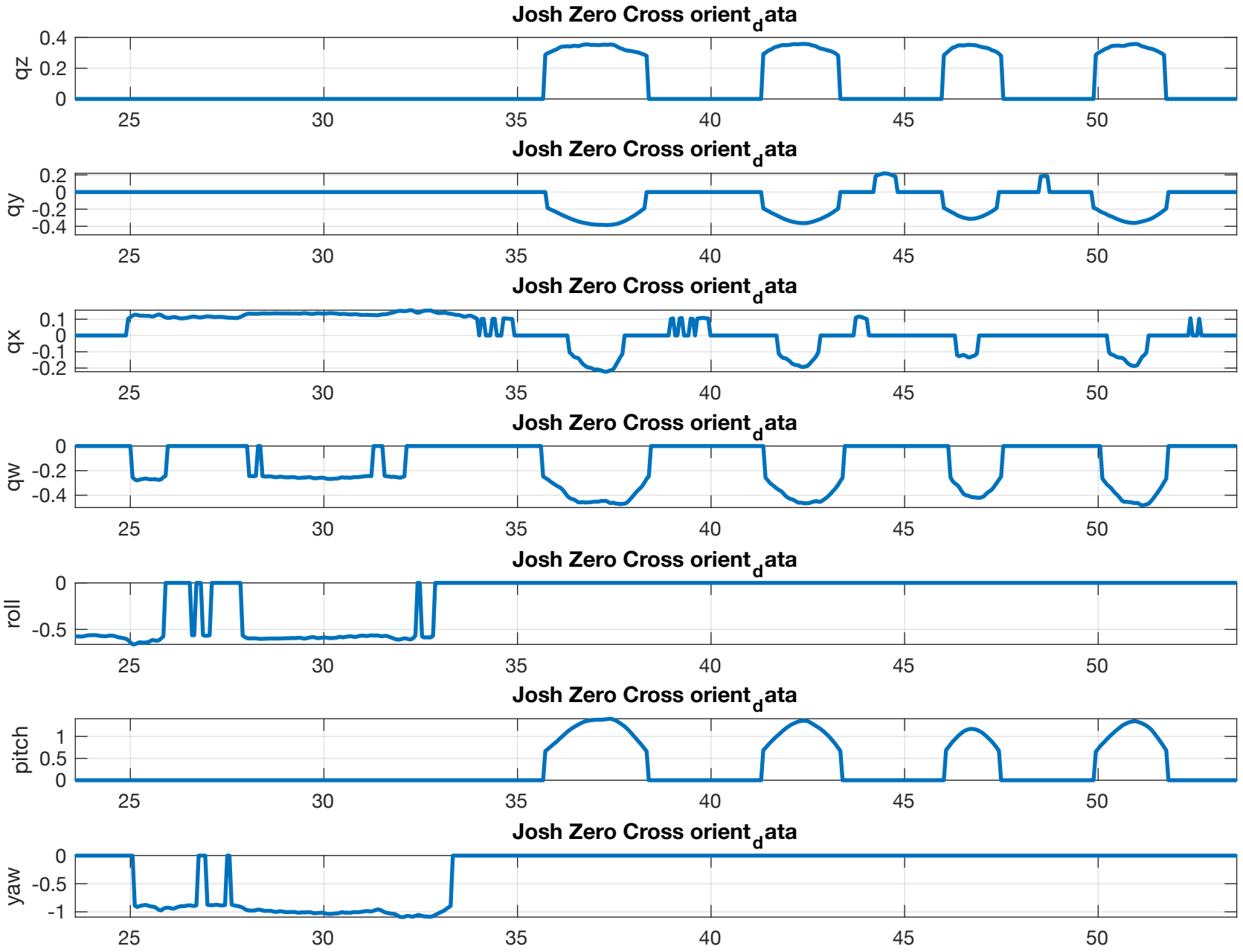
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-403.000	-253.000	-78.000	-9.500	"gyro_data"
'Y'	-398.000	-327.000	-117.000	-70.500	"gyro_data"
'X'	-366.000	-277.000	-87.000	-59.500	"gyro_data"


Josh grav_data
Z
1
0
-1
-2
-3
30
35
40
45
50
55
Josh grav_data
Y
5
0
-5
-10
-15
30
35
40
45
50
55
Josh grav_data
X
4
2
0
-2
30
35
40
45
50
55


Josh Zero Cross grav_data
Z
0
-1
-2
-3
30
35
40
45
50
55
Josh Zero Cross grav_data
Y
0
-2
-4
-6
-8
-10
30
35
40
45
50
55
Josh Zero Cross grav_data
X
5
4
3
2
1
0
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-258.000	-105.000	-25.000	2.500	"grav_data"
'Y'	-131.000	-104.000	-19.000	2.750	"grav_data"
'X'	-144.000	-65.000	-13.000	-1.750	"grav_data"


Josh orient_data
qz
0.3
0.2
0.1
0
25
30
35
40
45
50
Josh orient_data
qy
0.2
0
-0.2
-0.4
25
30
35
40
45
50
Josh orient_data
qx
0.1
0
-0.1
-0.2
25
30
35
40
45
50
Josh orient_data
qw
0
-0.2
-0.4
25
30
35
40
45
50
Josh orient_data
roll
0
-0.2
-0.4
-0.6
25
30
35
40
45
50
Josh orient_data
pitch
1
0.5
0
-0.5
25
30
35
40
45
50
Josh orient_data
yaw
0
-0.5
-1
25
30
35
40
45
50


Josh Zero Cross orientdata
qz
0.4
0.2
0
25
30
35
40
45
50
Josh Zero Cross orientdata
qy
0.2
0
-0.2
-0.4
25
30
35
40
45
50
Josh Zero Cross orientdata
qx
0.1
0
-0.1
-0.2
25
30
35
40
45
50
Josh Zero Cross orientdata
qw
0
-0.2
-0.4
25
30
35
40
45
50
Josh Zero Cross orientdata
roll
0
-0.5
25
30
35
40
45
50
Josh Zero Cross orientdata
pitch
1
0.5
0
25
30
35
40
45
50
Josh Zero Cross orientdata
yaw
0
-0.5
-1
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-152.000	-67.000	-11.000	0.750	"orient_data"
'qy'	-126.000	-93.000	-18.000	-6.000	"orient_data"
'qx'	-170.000	-136.000	-30.000	-3.000	"orient_data"
'qw'	-131.000	-80.000	-15.000	0.000	"orient_data"
'roll'	-237.000	-75.000	-12.000	-1.500	"orient_data"
'pitch'	-123.000	-28.000	-2.000	2.750	"orient_data"
'yaw'	-173.000	-69.000	-7.000	2.500	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	97.500
'bar_data'	"Relative Altitude"	'zero_cross'	15.750
'gyro_data'	"Z"	'zero_cross'	9.500
'grav_data'	"X"	'zero_cross'	1.750
'orient_data'	"qw"	'zero_cross'	0.000