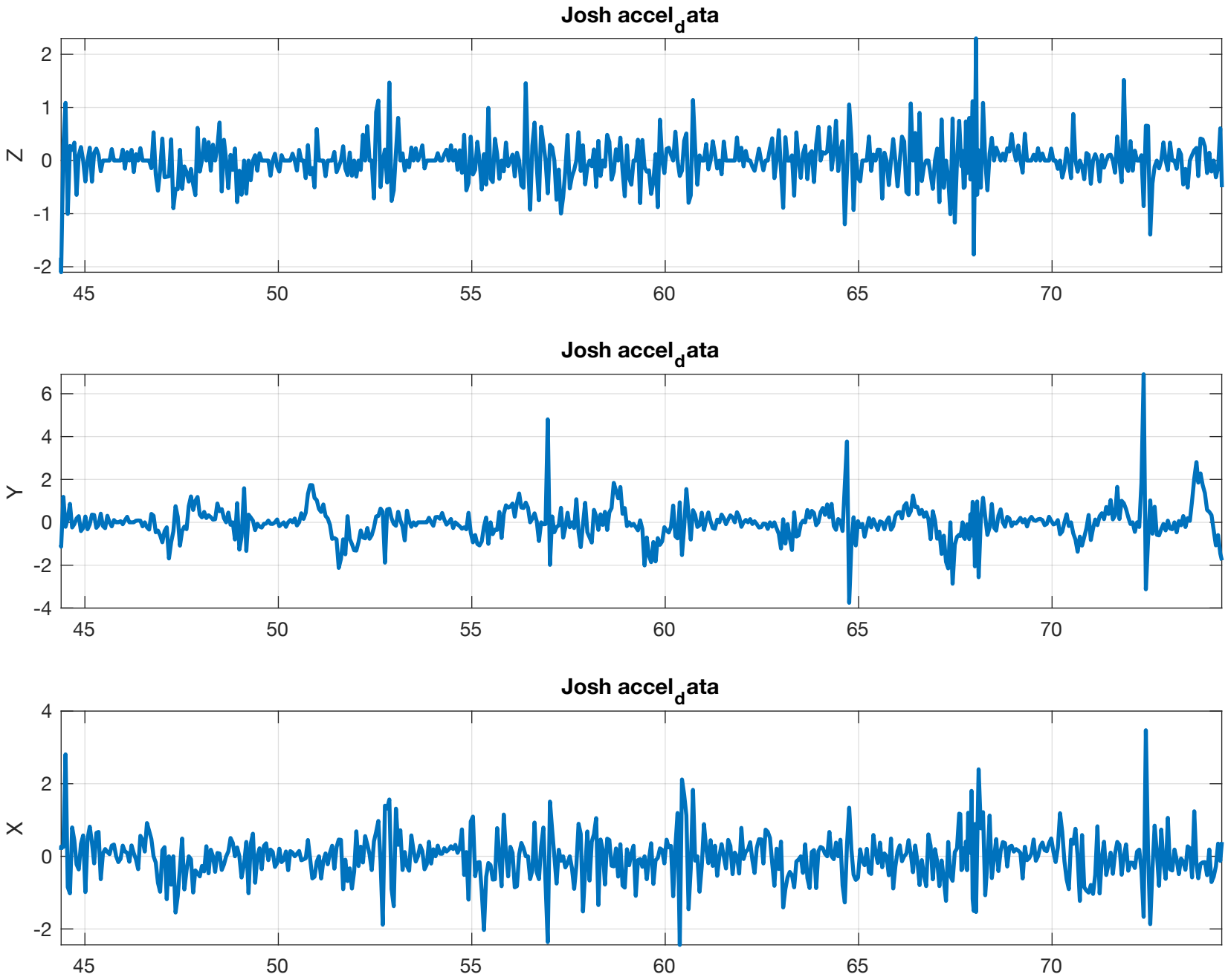
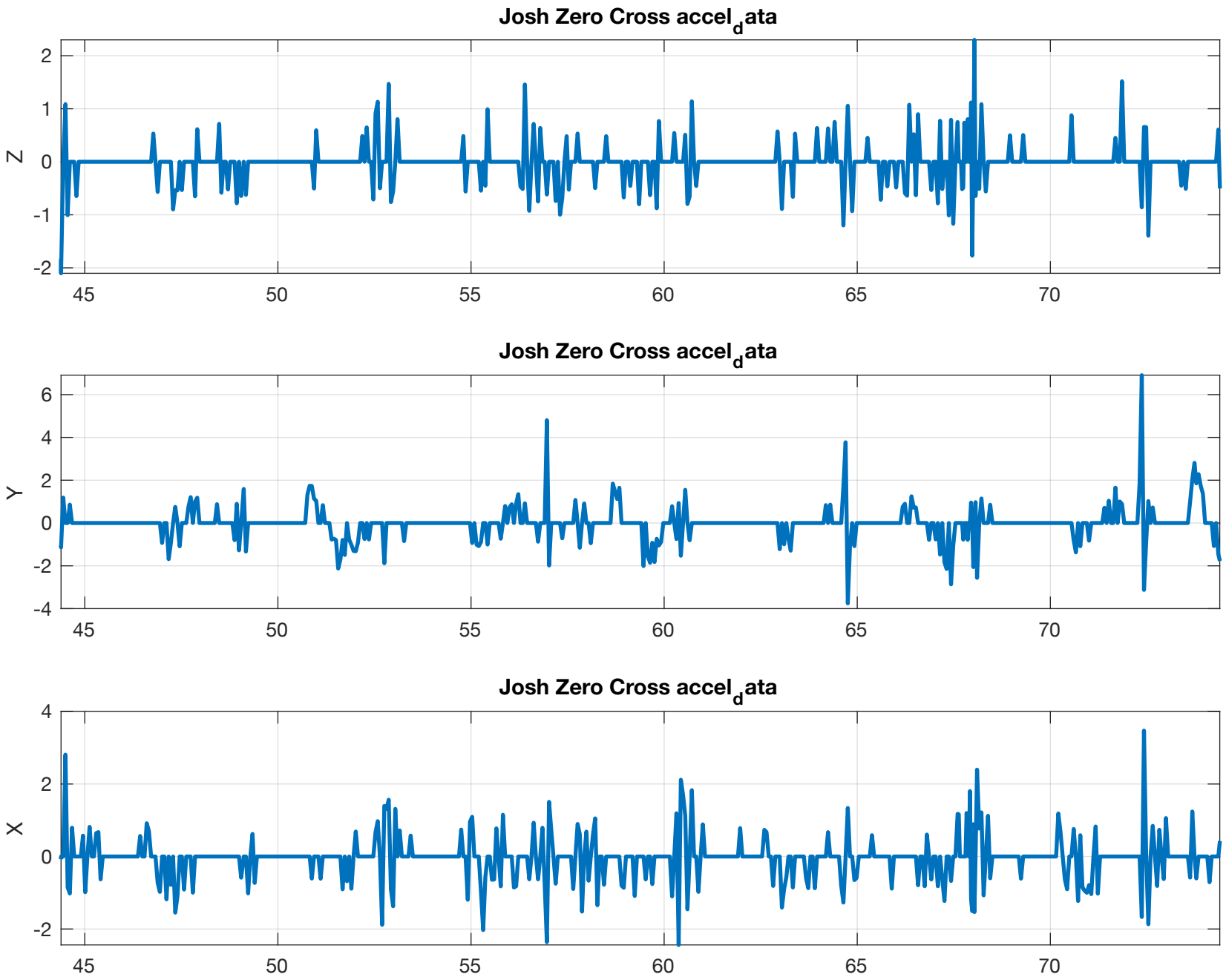
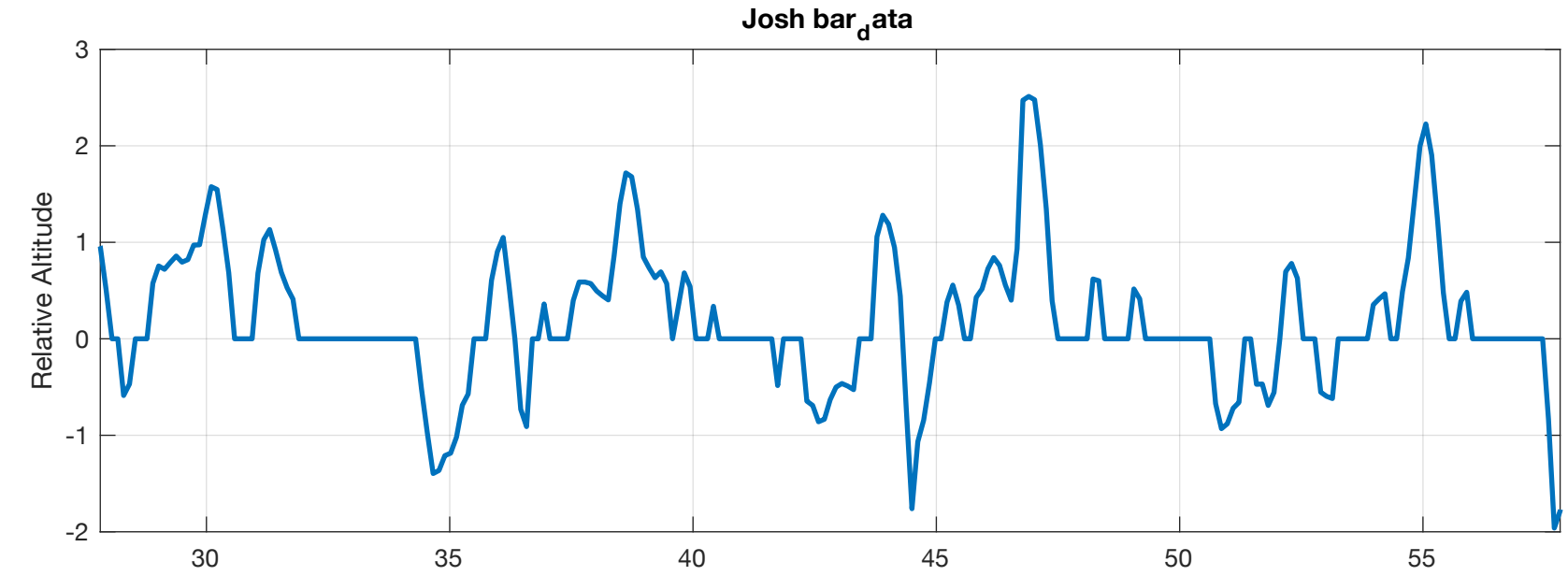
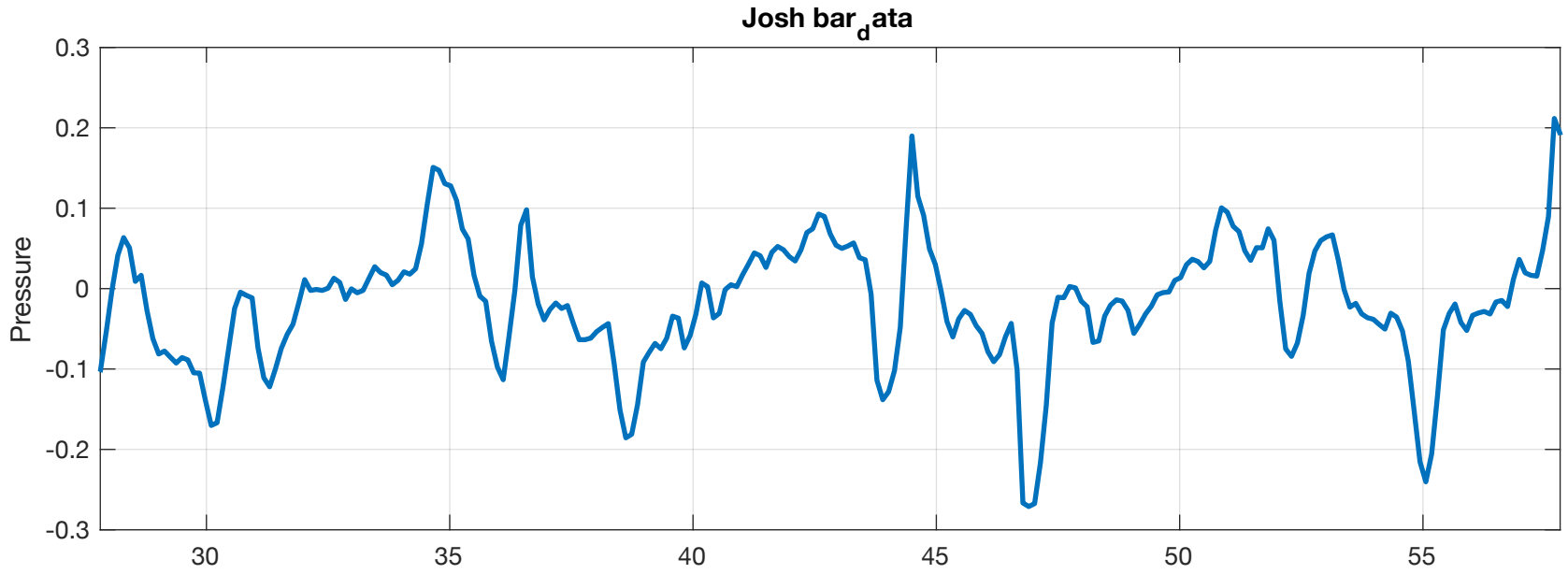
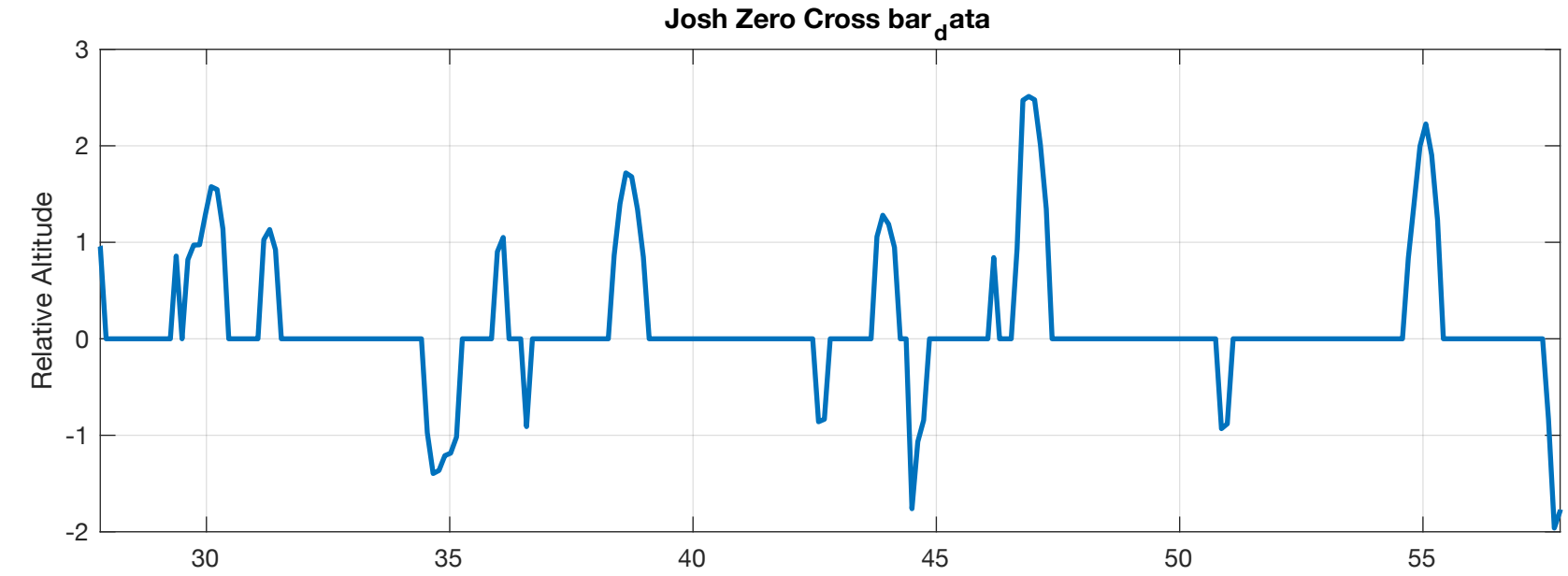

Josh accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Josh accel_data
Y
6
4
2
0
-2
-4
45
50
55
60
65
70
Josh accel_data
X
4
2
0
-2
45
50
55
60
65
70

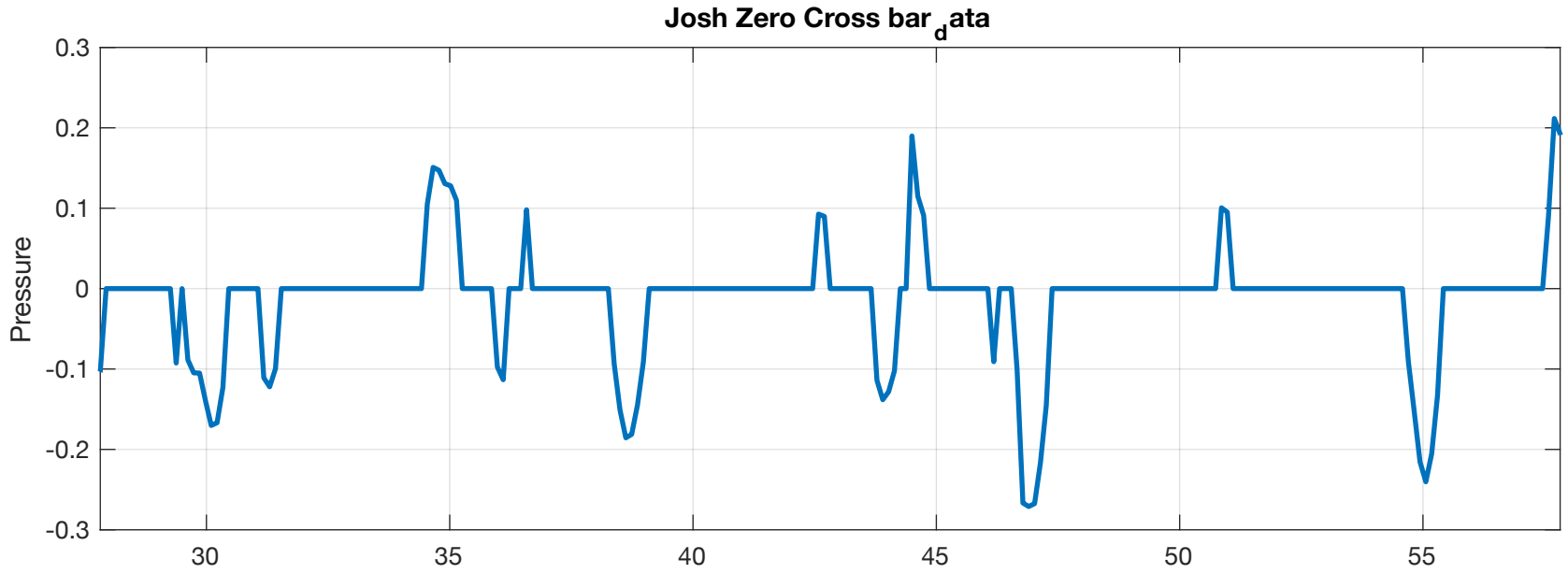

Josh Zero Cross accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Josh Zero Cross accel_data
Y
6
4
2
0
-2
-4
45
50
55
60
65
70
Josh Zero Cross accel_data
X
4
2
0
-2
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-430.000	-380.000	-131.000	-121.500	"accel_data"
'Y'	-418.000	-323.000	-102.000	-87.500	"accel_data"
'X'	-420.000	-351.000	-119.000	-136.500	"accel_data"

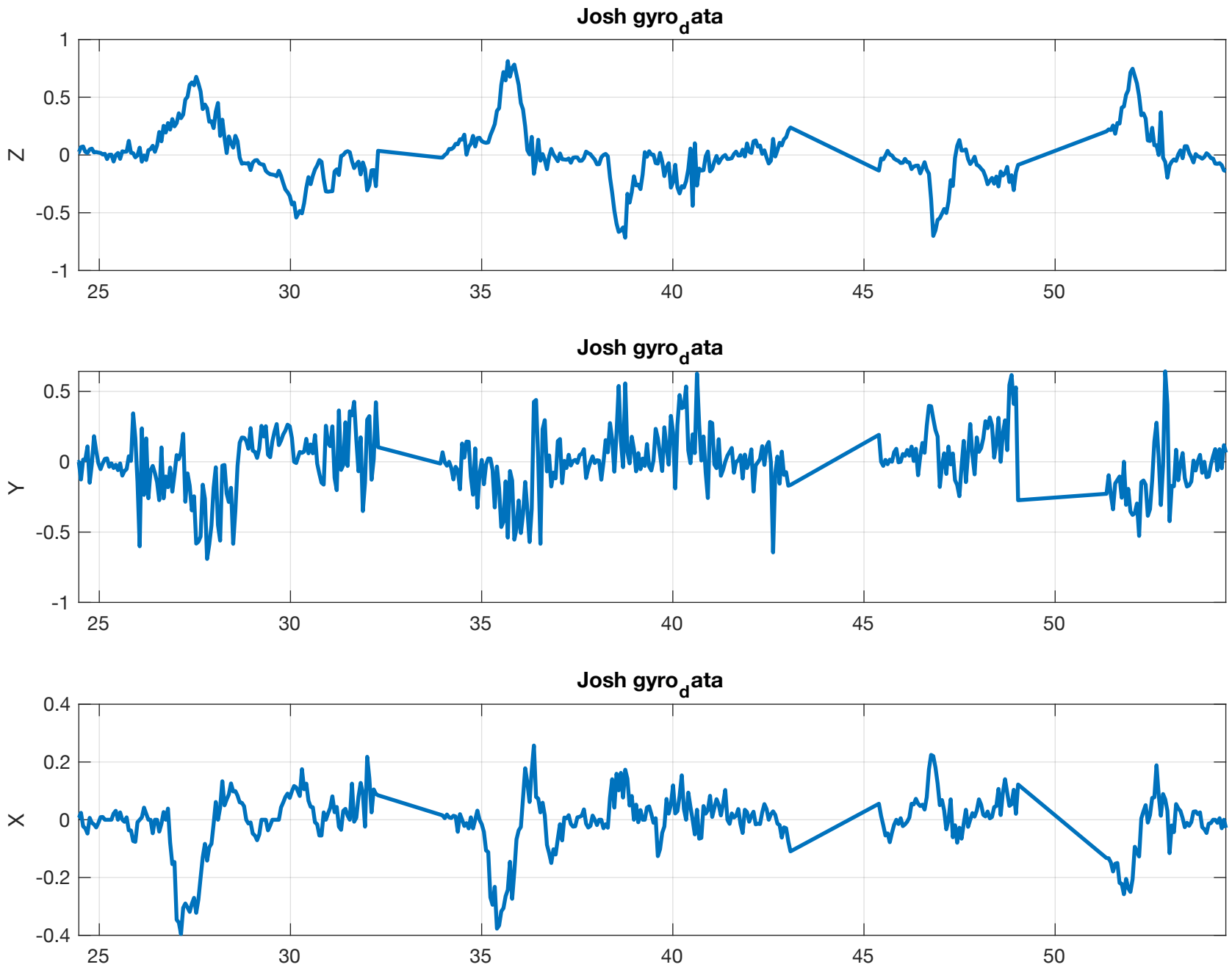

Josh bar_data
Relative Altitude
3
2
1
0
-1
-2
30
35
40
45
50
55

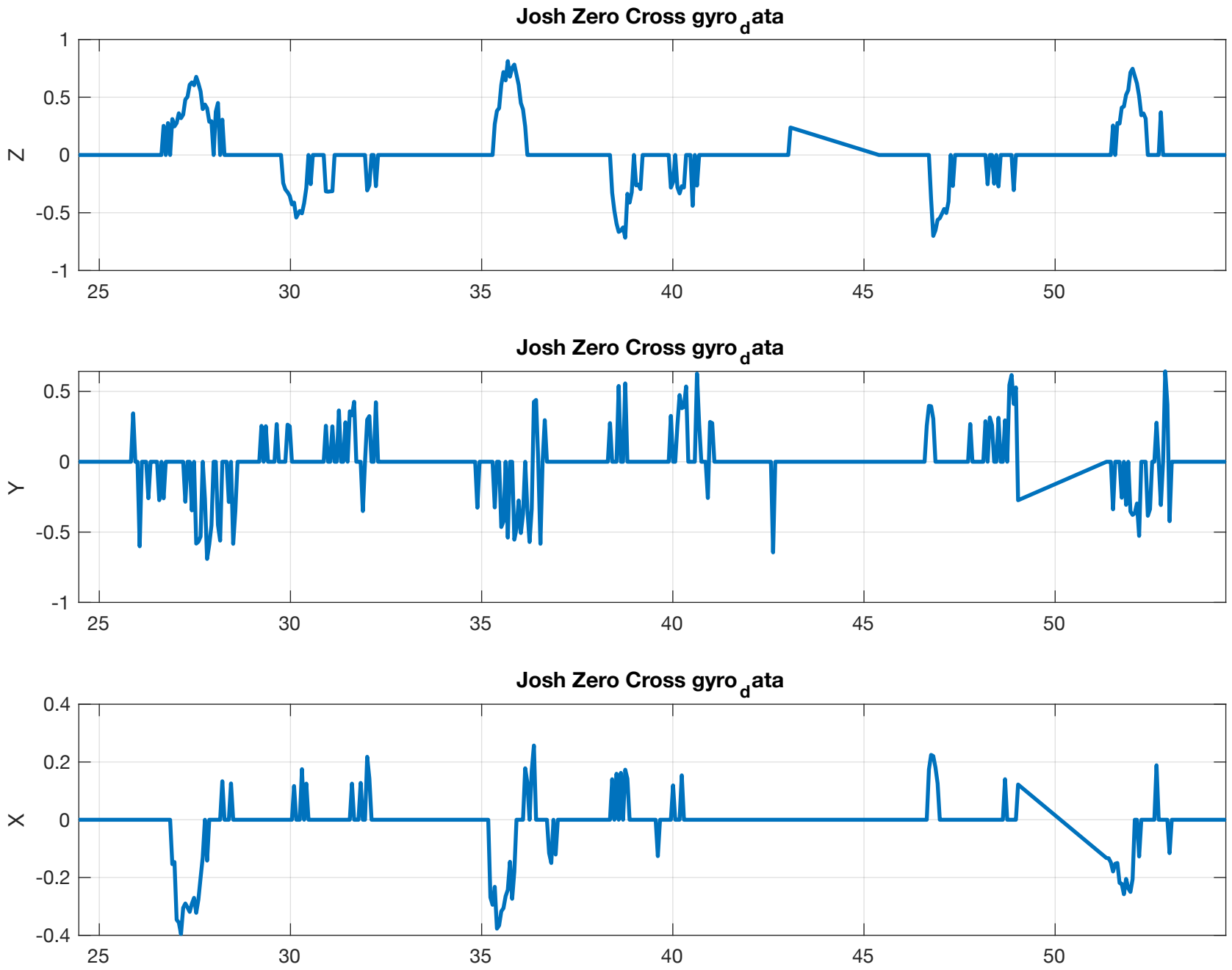

Josh bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
30
35
40
45
50
55


Josh Zero Cross bar_data
Relative Altitude
3
2
1
0
-1
-2
30
35
40
45
50
55

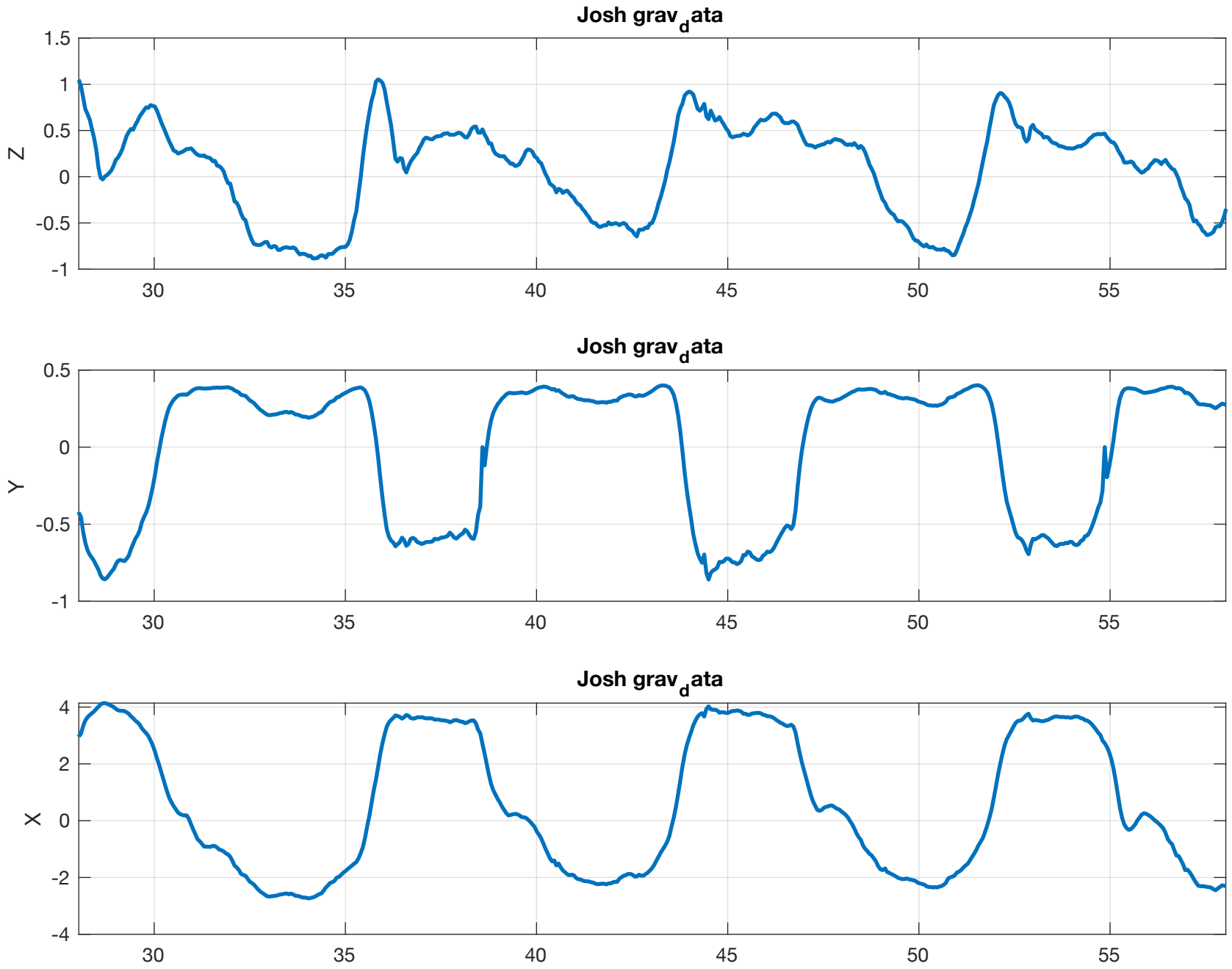

Josh Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
30
35
40
45
50
55

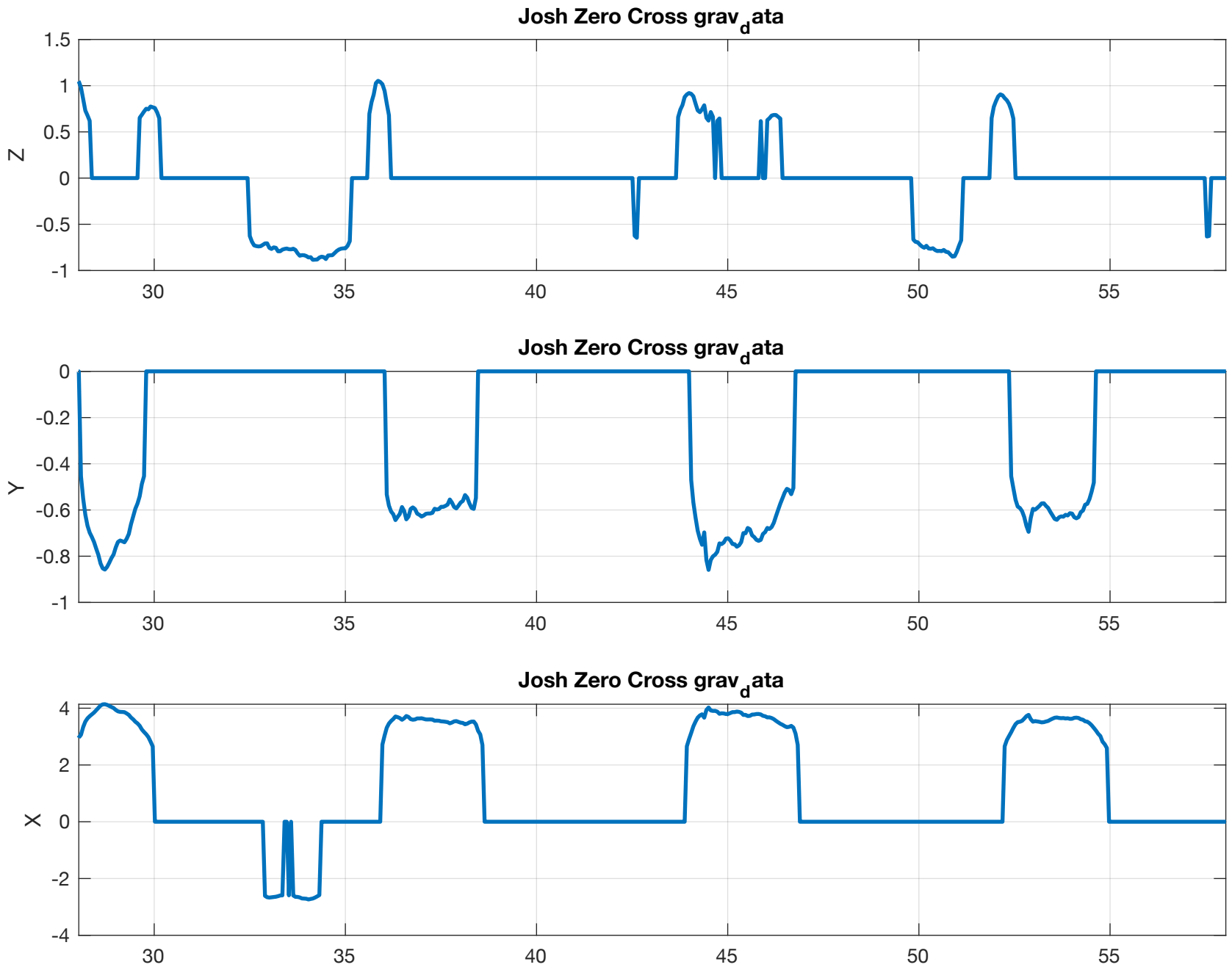
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-88.000	-50.000	-14.000	-17.500	"bar_data"
"Pressure"	-124.000	-78.000	-24.000	-17.500	"bar_data"


Josh gyro_data
Z
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh gyro_data
Y
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh gyro_data
X
0.4
0.2
0
-0.2
-0.4
25
30
35
40
45
50

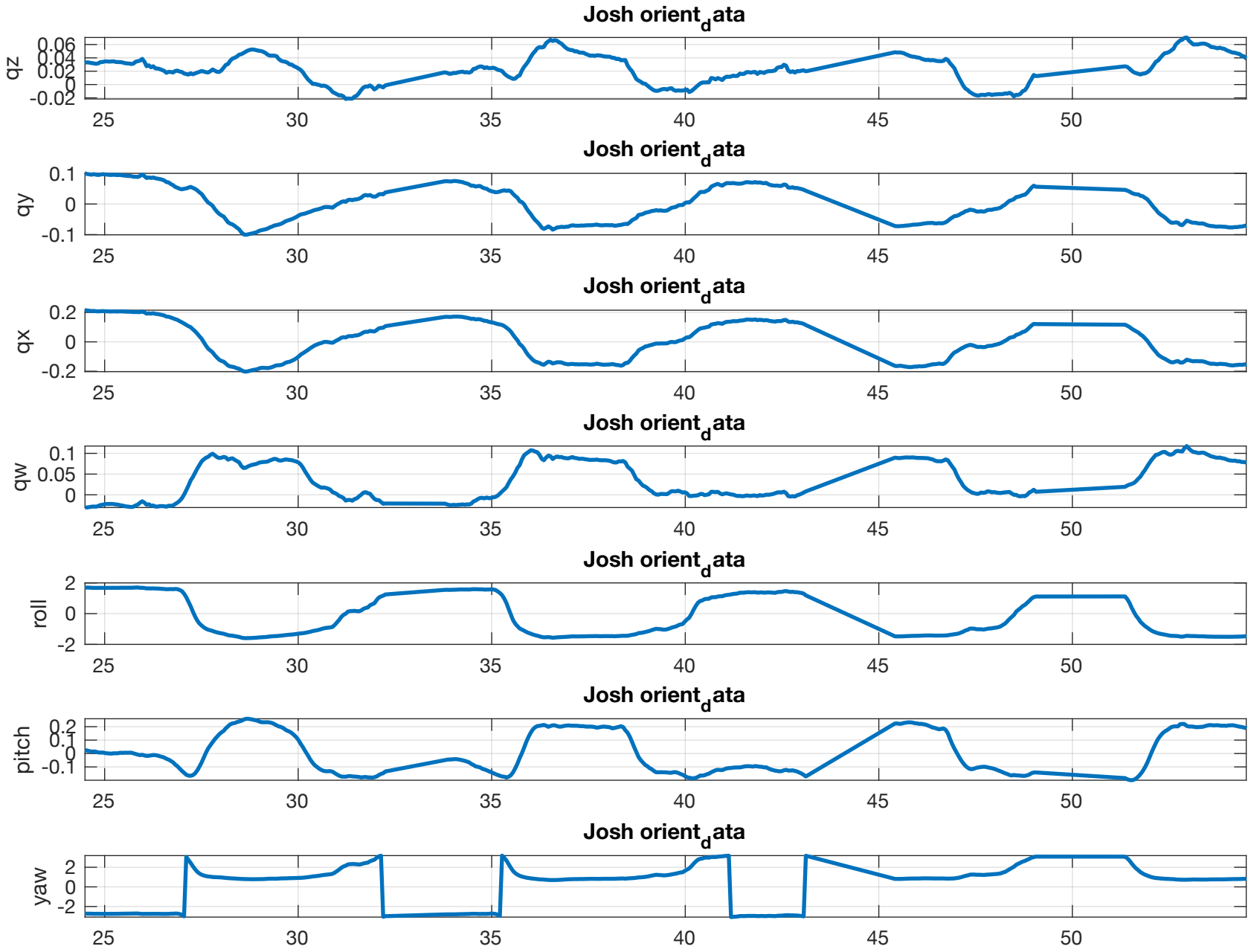

Josh Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh Zero Cross gyro_data
Y
0.5
0
-0.5
-1
25
30
35
40
45
50
Josh Zero Cross gyro_data
X
0.4
0.2
0
-0.2
-0.4
25
30
35
40
45
50

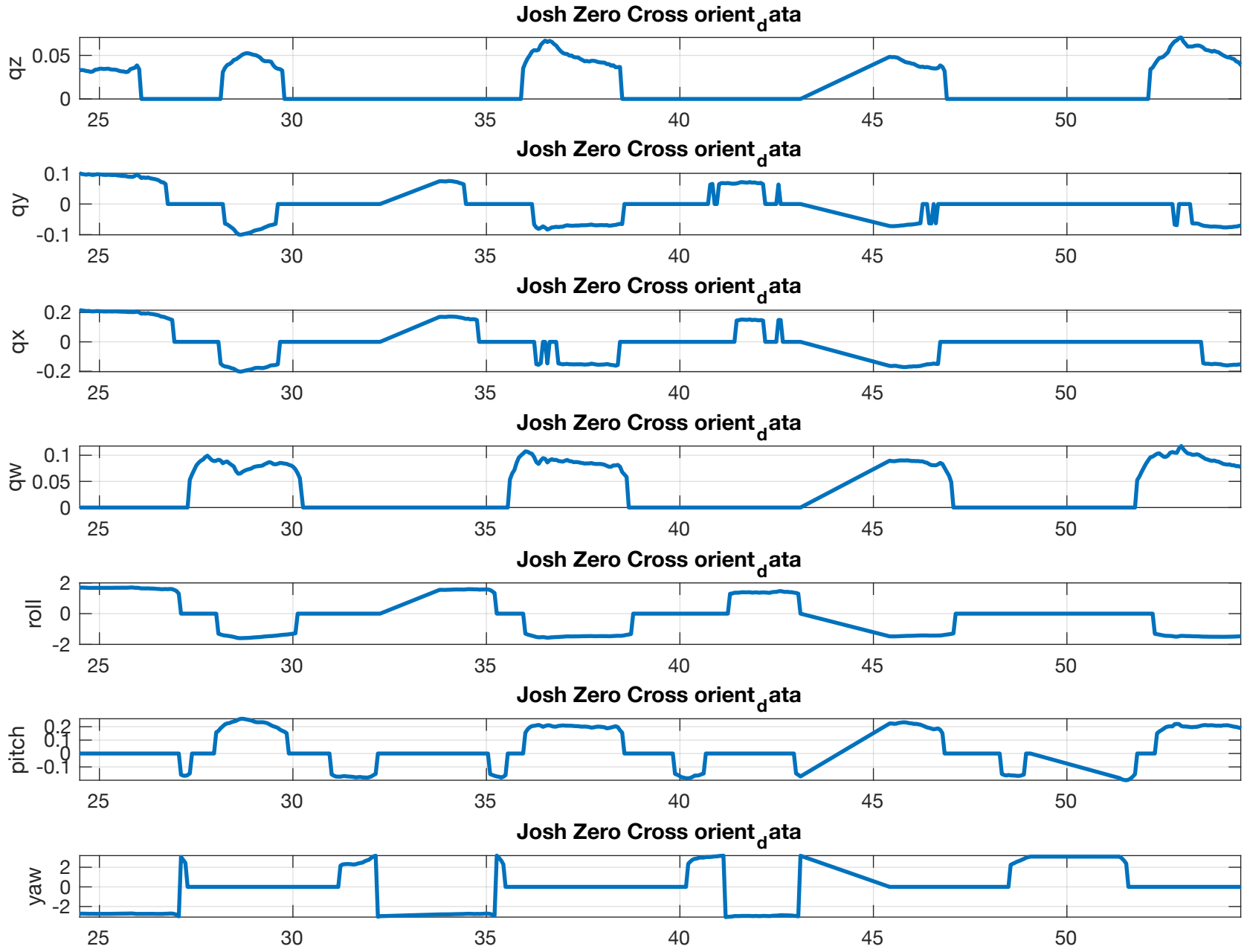
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-381.000	-226.000	-73.000	-27.500	"gyro_data"
'Y'	-413.000	-322.000	-103.000	-99.000	"gyro_data"
'X'	-393.000	-299.000	-98.000	-44.000	"gyro_data"


Josh grav_data
Z
1.5
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Josh grav_data
Y
0.5
0
-0.5
-1
30
35
40
45
50
55
Josh grav_data
X
4
2
0
-2
-4
30
35
40
45
50
55


Josh Zero Cross grav_data
Z
1.5
1
0.5
0
-0.5
-1
30
35
40
45
50
55
Josh Zero Cross grav_data
Y
0
-0.2
-0.4
-0.6
-0.8
-1
30
35
40
45
50
55
Josh Zero Cross grav_data
X
4
2
0
-2
-4
30
35
40
45
50
55

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-184.000	-107.000	-28.000	-7.500	"grav_data"
'Y'	-181.000	-122.000	-26.000	5.000	"grav_data"
'X'	-153.000	-71.000	-14.000	2.500	"grav_data"


Josh orientdata
qz
0.06
0.04
0.02
0
-0.02
25
30
35
40
45
50
Josh orientdata
qy
0.1
0
-0.1
25
30
35
40
45
50
Josh orientdata
qx
0.2
0
-0.2
25
30
35
40
45
50
Josh orientdata
qw
0.1
0.05
0
25
30
35
40
45
50
Josh orientdata
roll
2
0
-2
25
30
35
40
45
50
Josh orientdata
pitch
0.2
0.1
0
-0.1
25
30
35
40
45
50
Josh orientdata
yaw
2
0
-2
25
30
35
40
45
50


Josh Zero Cross orientdata
qz
0.05
0
25
30
35
40
45
50
Josh Zero Cross orientdata
qy
0.1
0
-0.1
25
30
35
40
45
50
Josh Zero Cross orientdata
qx
0.2
0
-0.2
25
30
35
40
45
50
Josh Zero Cross orientdata
qw
0.1
0.05
0
25
30
35
40
45
50
Josh Zero Cross orientdata
roll
2
0
-2
25
30
35
40
45
50
Josh Zero Cross orientdata
pitch
0.2
0.1
0
-0.1
25
30
35
40
45
50
Josh Zero Cross orientdata
yaw
2
0
-2
25
30
35
40
45
50

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-203.000	-135.000	-35.000	-2.500	"orient_data"
'qy'	-167.000	-98.000	-20.000	-2.000	"orient_data"
'qx'	-170.000	-95.000	-14.000	0.500	"orient_data"
'qw'	-213.000	-106.000	-24.000	0.250	"orient_data"
'roll'	-126.000	-74.000	-18.000	-1.250	"orient_data"
'pitch'	-153.000	-77.000	-22.000	-6.000	"orient_data"
'yaw'	-153.000	-94.000	-19.000	-9.250	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	87.500
'bar_data'	"Relative Altitude"	'double_findpeaks'	14.000
'gyro_data'	"Z"	'zero_cross'	27.500
'grav_data'	"X"	'zero_cross'	2.500
'orient_data'	"qw"	'zero_cross'	0.250