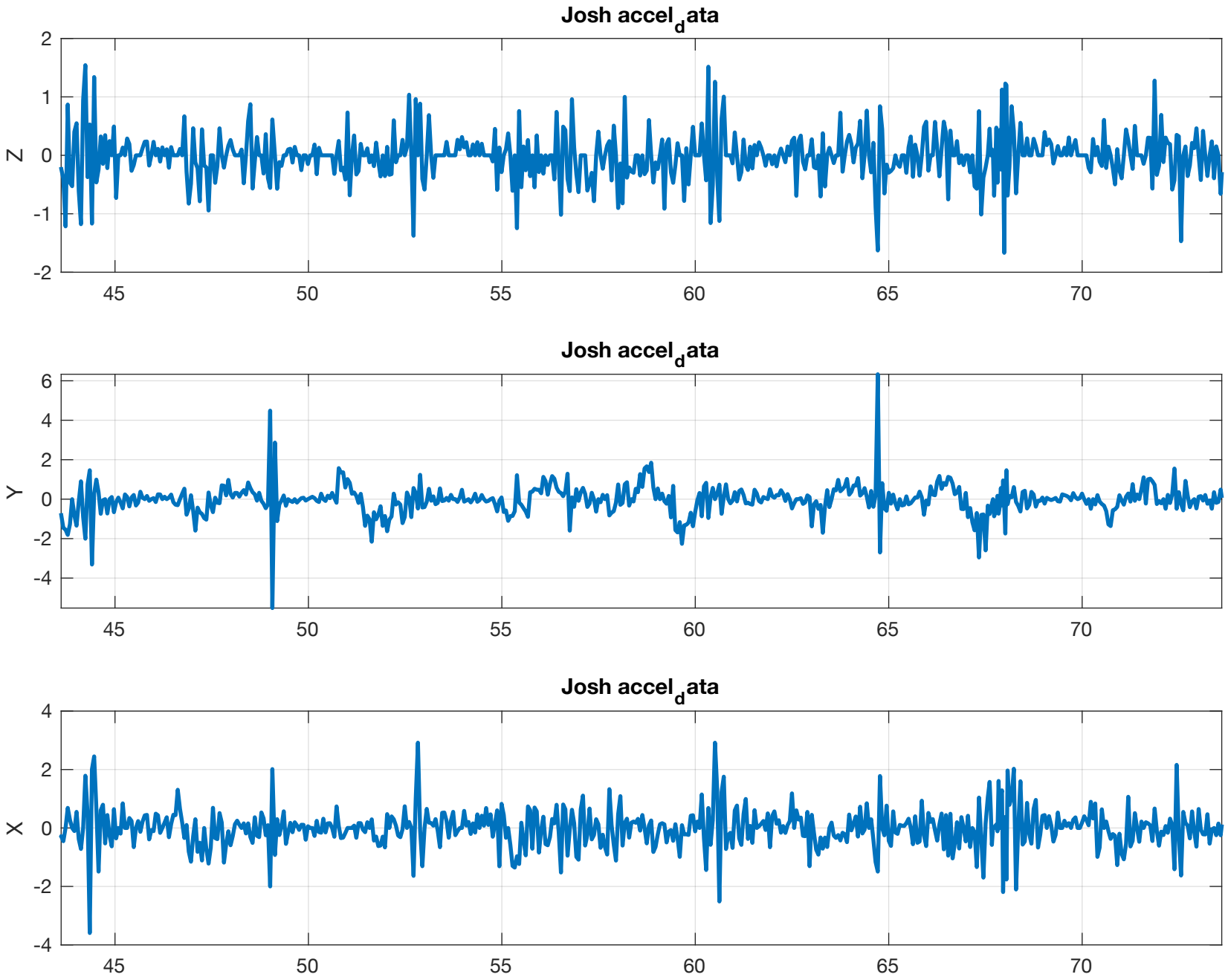
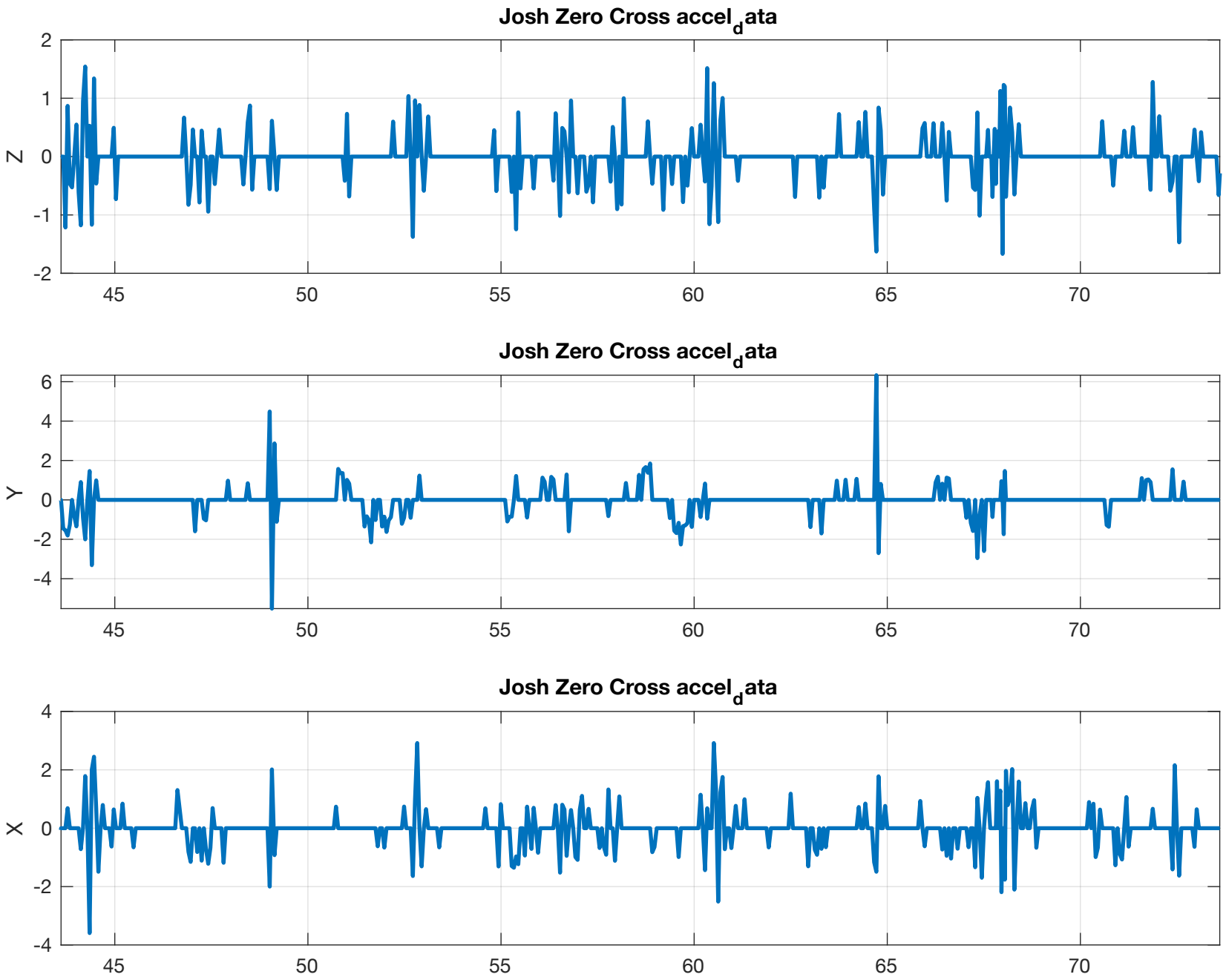
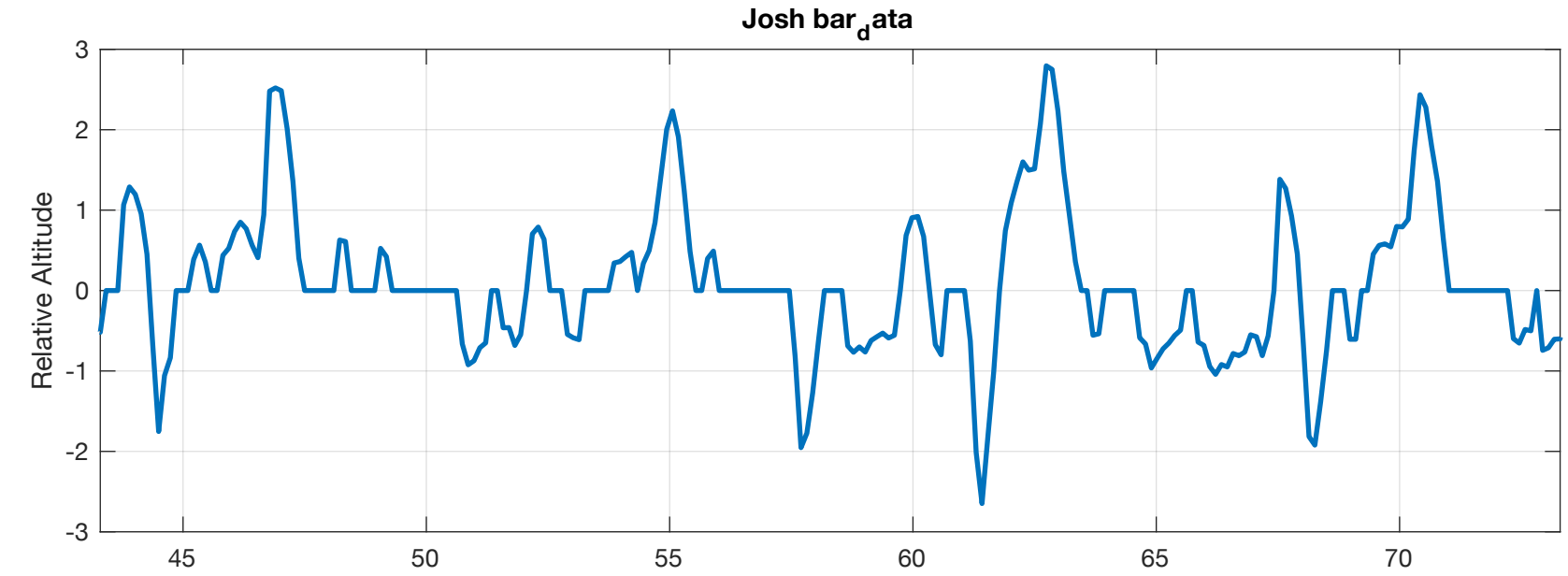
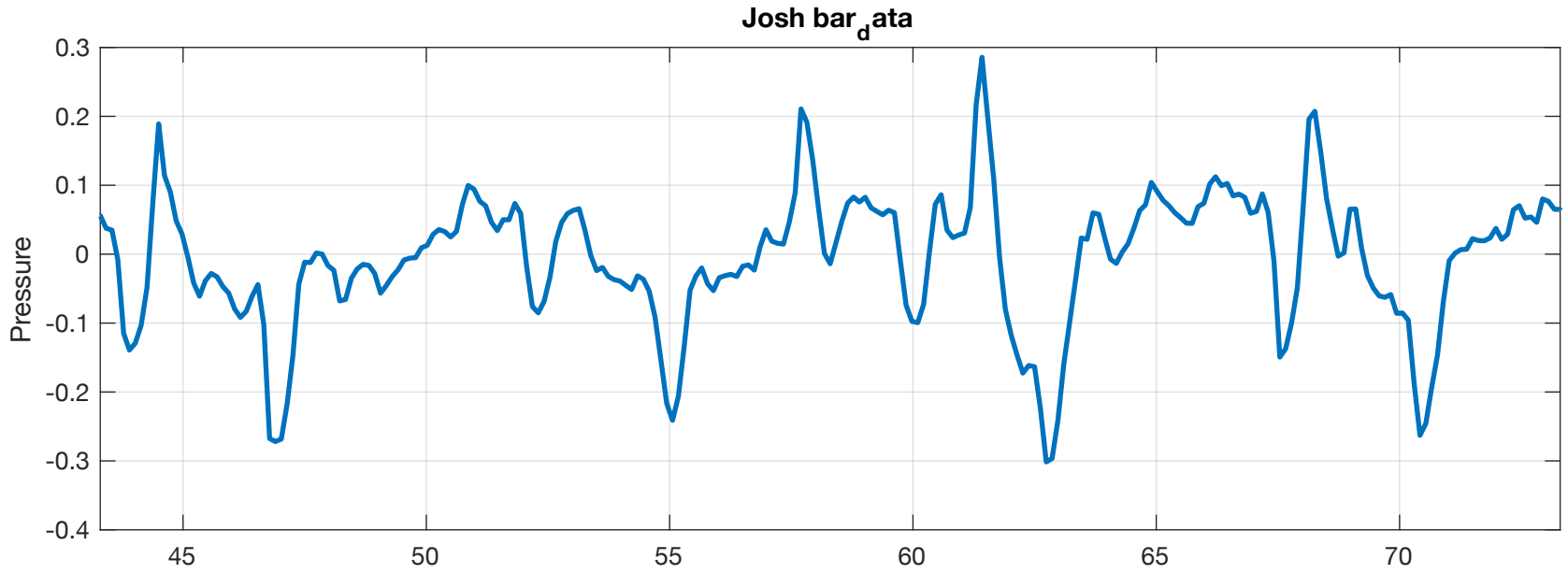
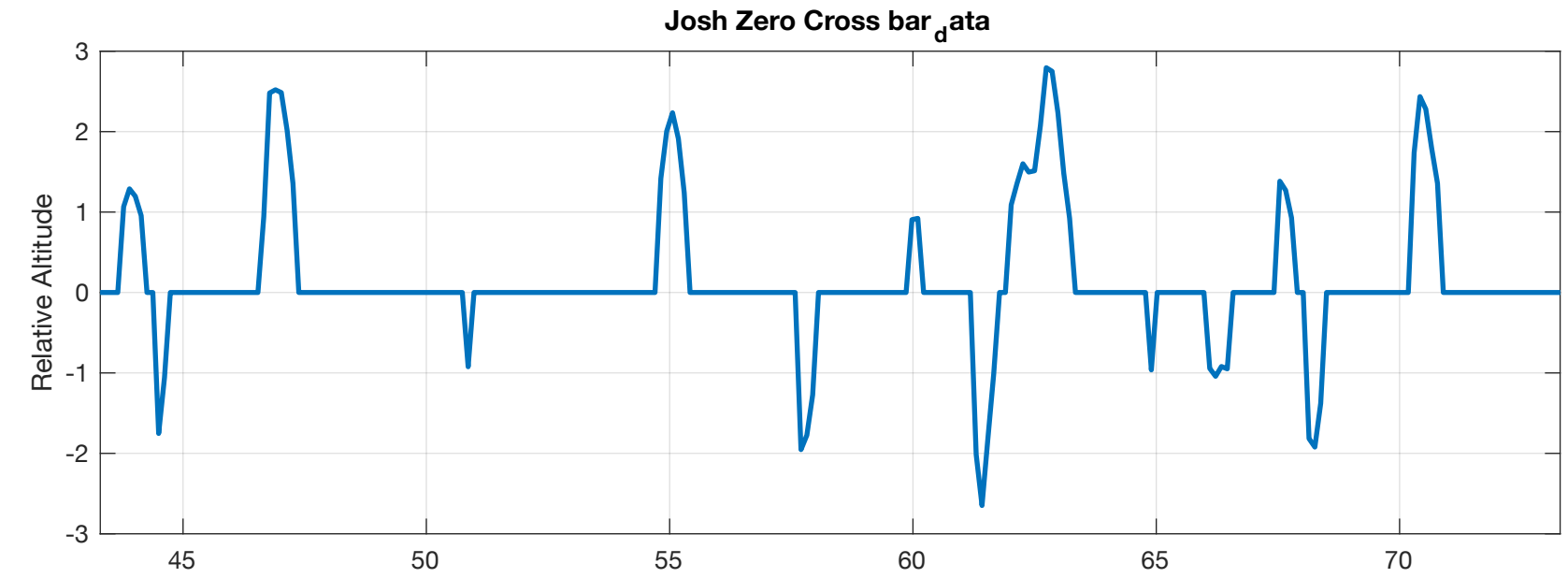

Josh accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Josh accel_data
Y
6
4
2
0
-2
-4
45
50
55
60
65
70
Josh accel_data
X
4
2
0
-2
-4
45
50
55
60
65
70

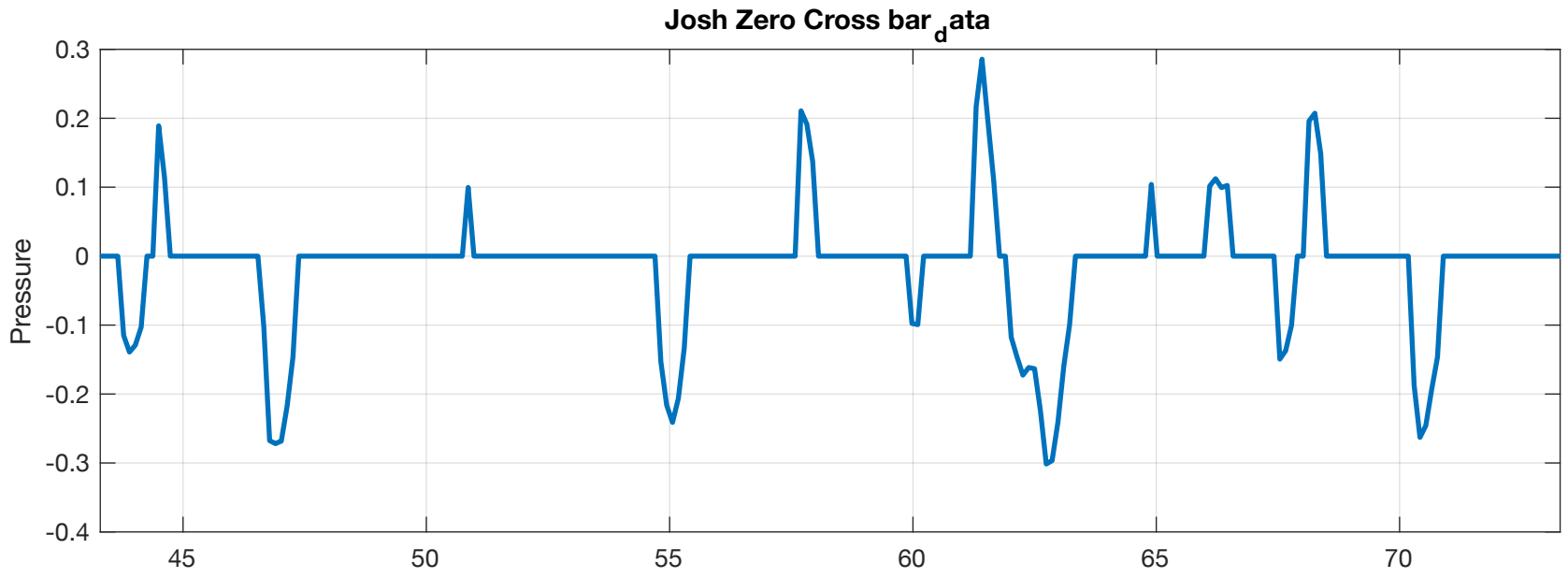

Josh Zero Cross accel_data
Z
2
1
0
-1
-2
45
50
55
60
65
70
Josh Zero Cross accel_data
Y
6
4
2
0
-2
-4
45
50
55
60
65
70
Josh Zero Cross accel_data
X
4
2
0
-2
-4
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-417.000	-349.000	-121.000	-141.500	"accel_data"
'Y'	-422.000	-337.000	-112.000	-72.000	"accel_data"
'X'	-444.000	-374.000	-132.000	-124.500	"accel_data"

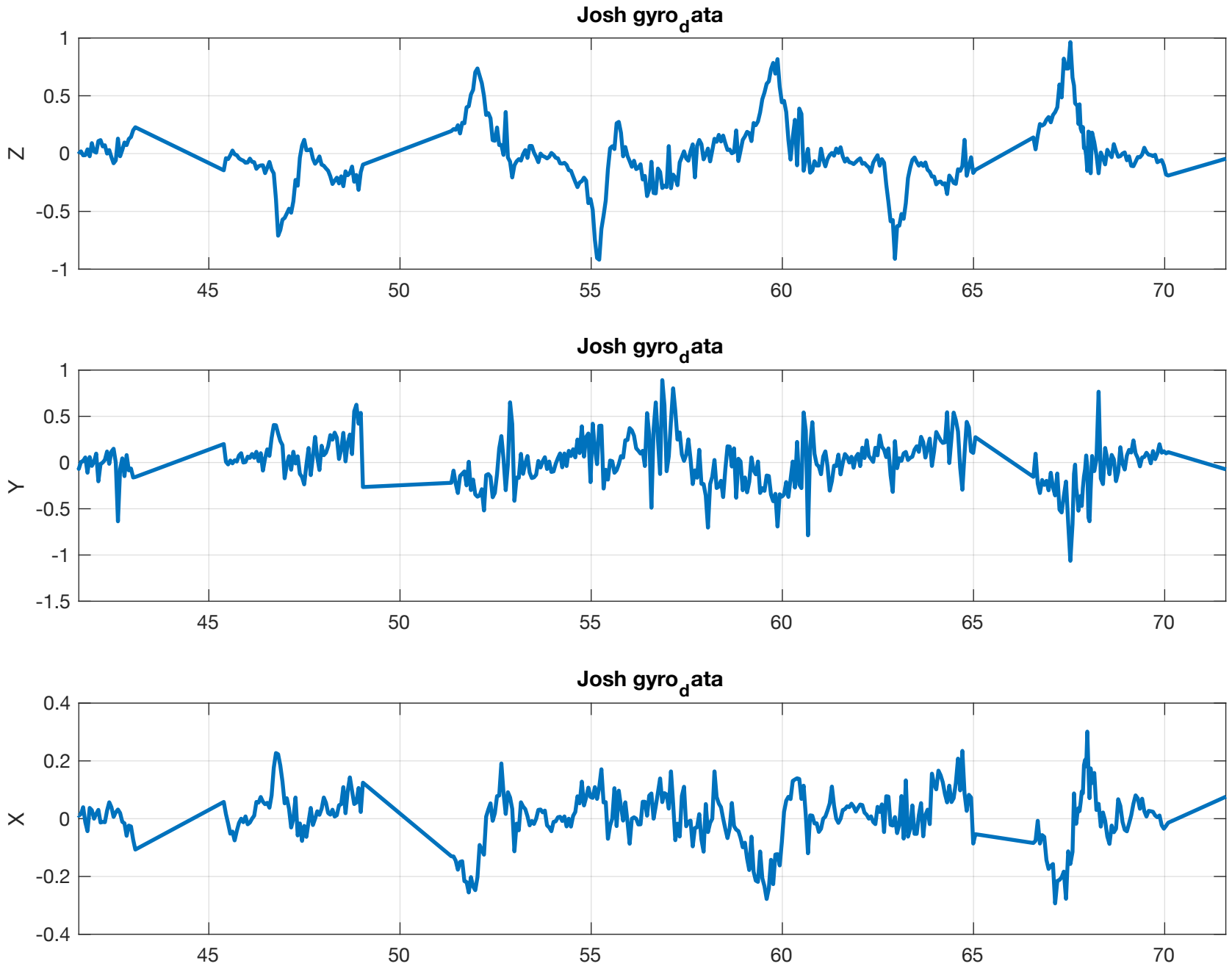

Josh bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
45
50
55
60
65
70

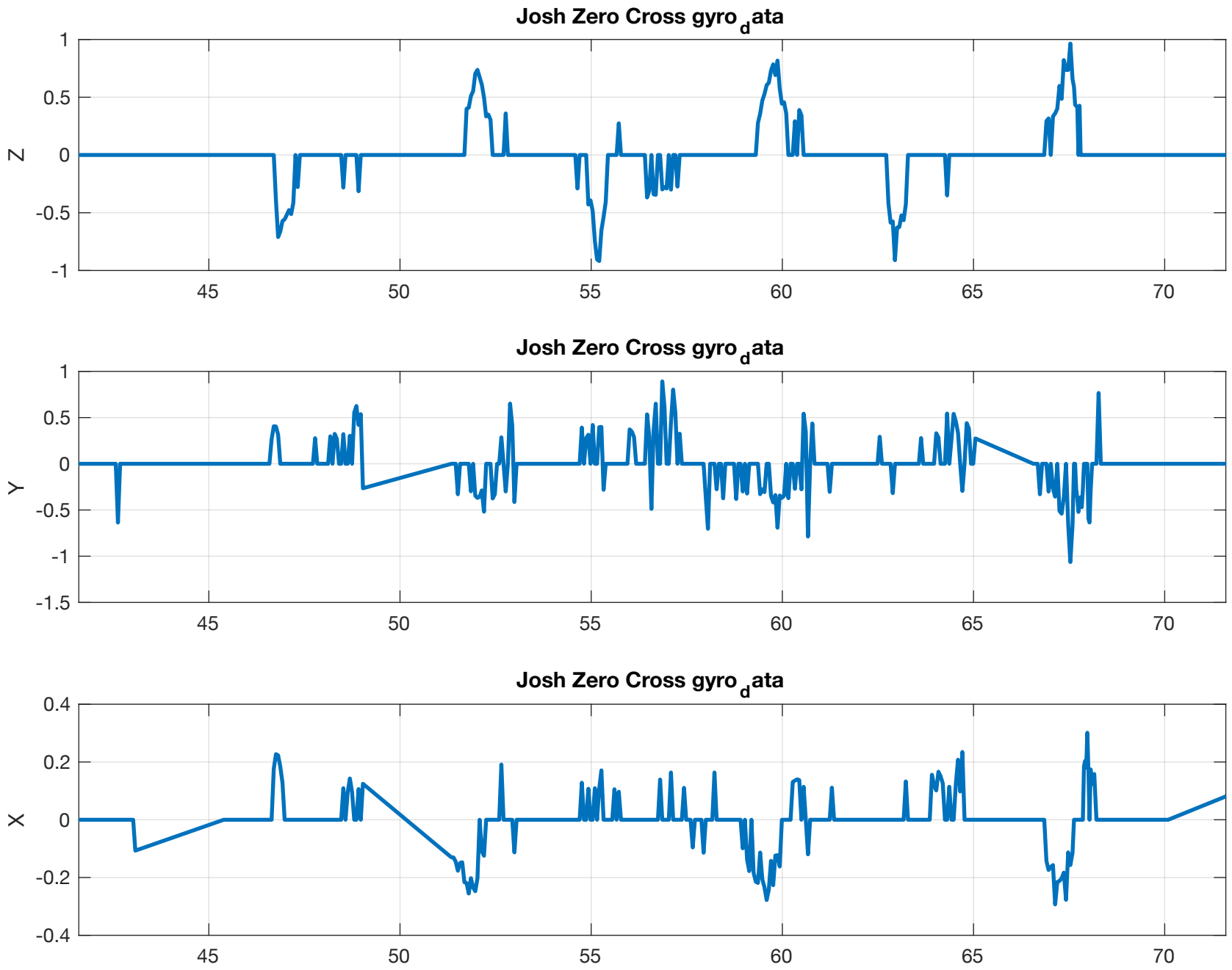

Josh bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
45
50
55
60
65
70


Josh Zero Cross bar_data
Relative Altitude
3
2
1
0
-1
-2
-3
45
50
55
60
65
70

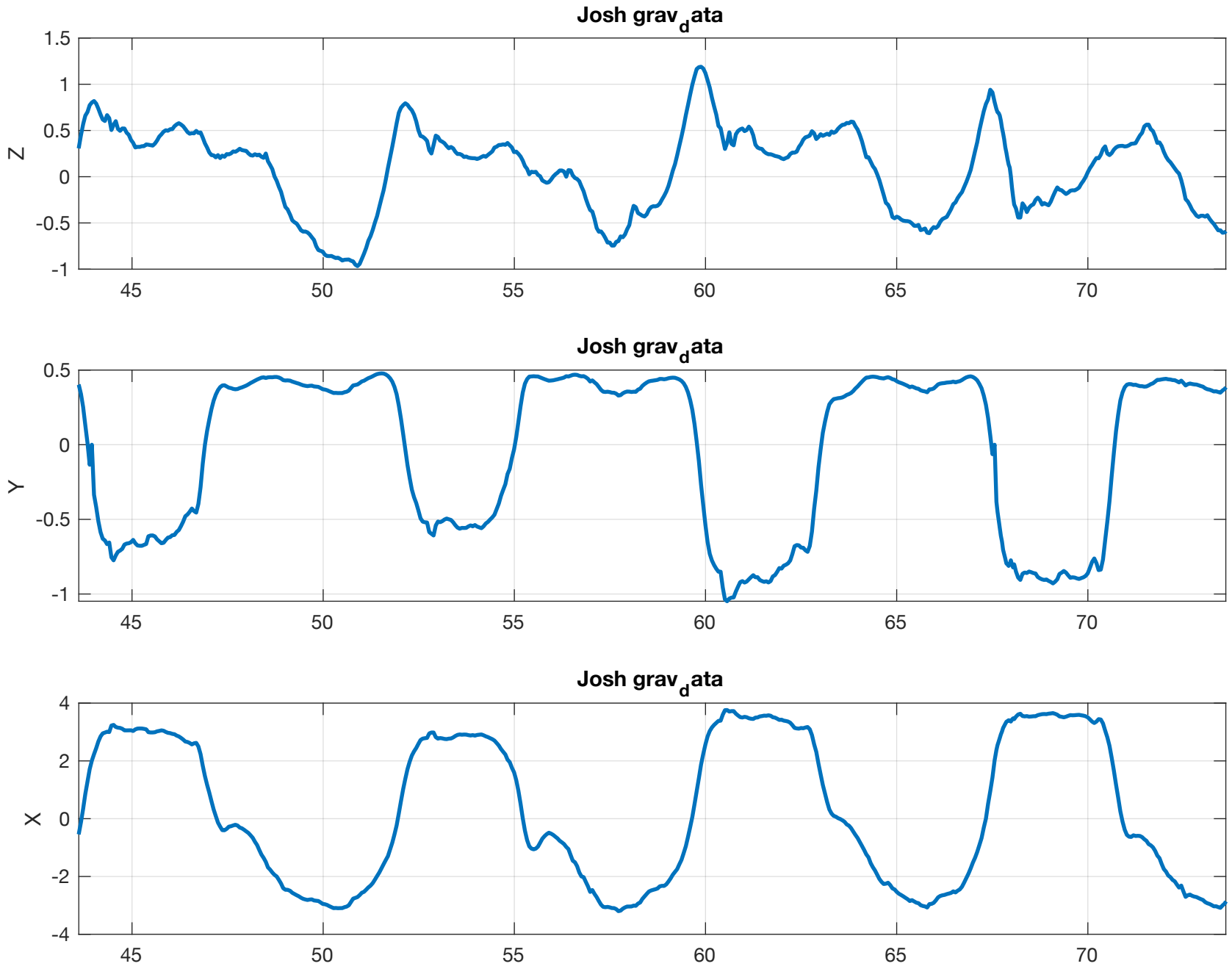

Josh Zero Cross bar_data
Pressure
0.3
0.2
0.1
0
-0.1
-0.2
-0.3
-0.4
45
50
55
60
65
70

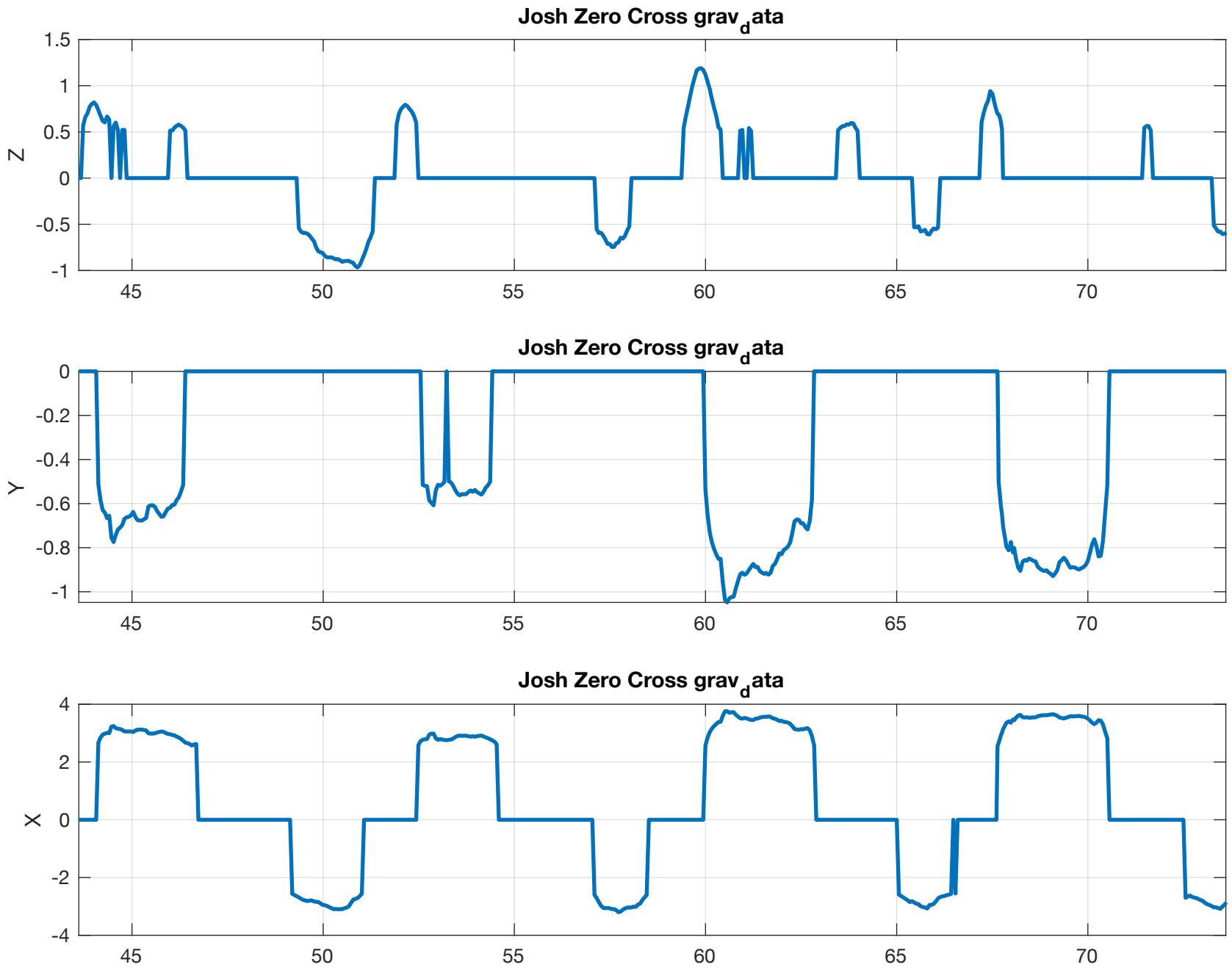
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-63.000	-31.000	-7.000	-10.000	"bar_data"
"Pressure"	-92.000	-64.000	-18.000	-10.000	"bar_data"


Josh gyro_data
Z
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Josh gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
45
50
55
60
65
70
Josh gyro_data
X
0.4
0.2
0
-0.2
-0.4
45
50
55
60
65
70

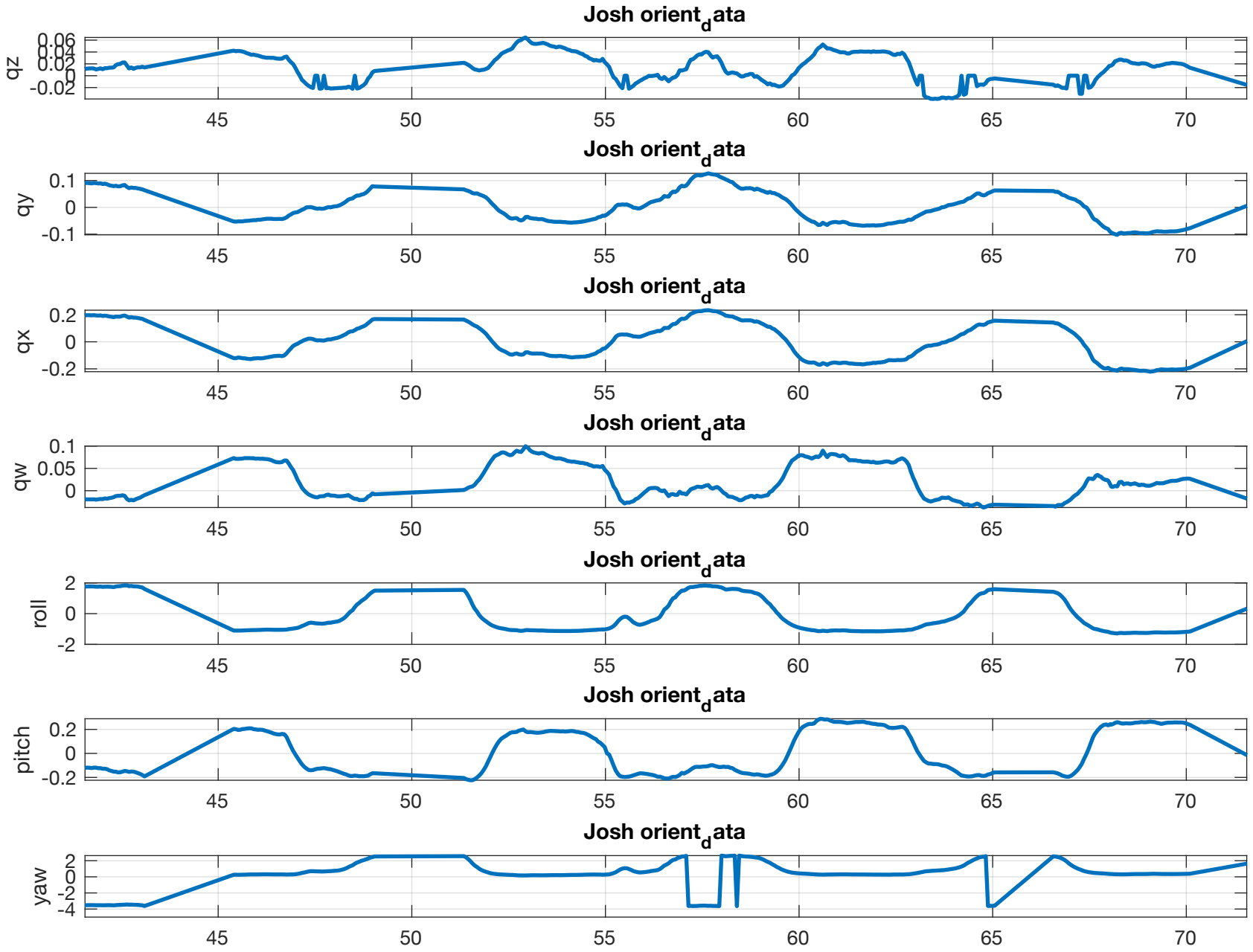

Josh Zero Cross gyro_data
Z
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Josh Zero Cross gyro_data
Y
1
0.5
0
-0.5
-1
-1.5
45
50
55
60
65
70
Josh Zero Cross gyro_data
X
0.4
0.2
0
-0.2
-0.4
45
50
55
60
65
70

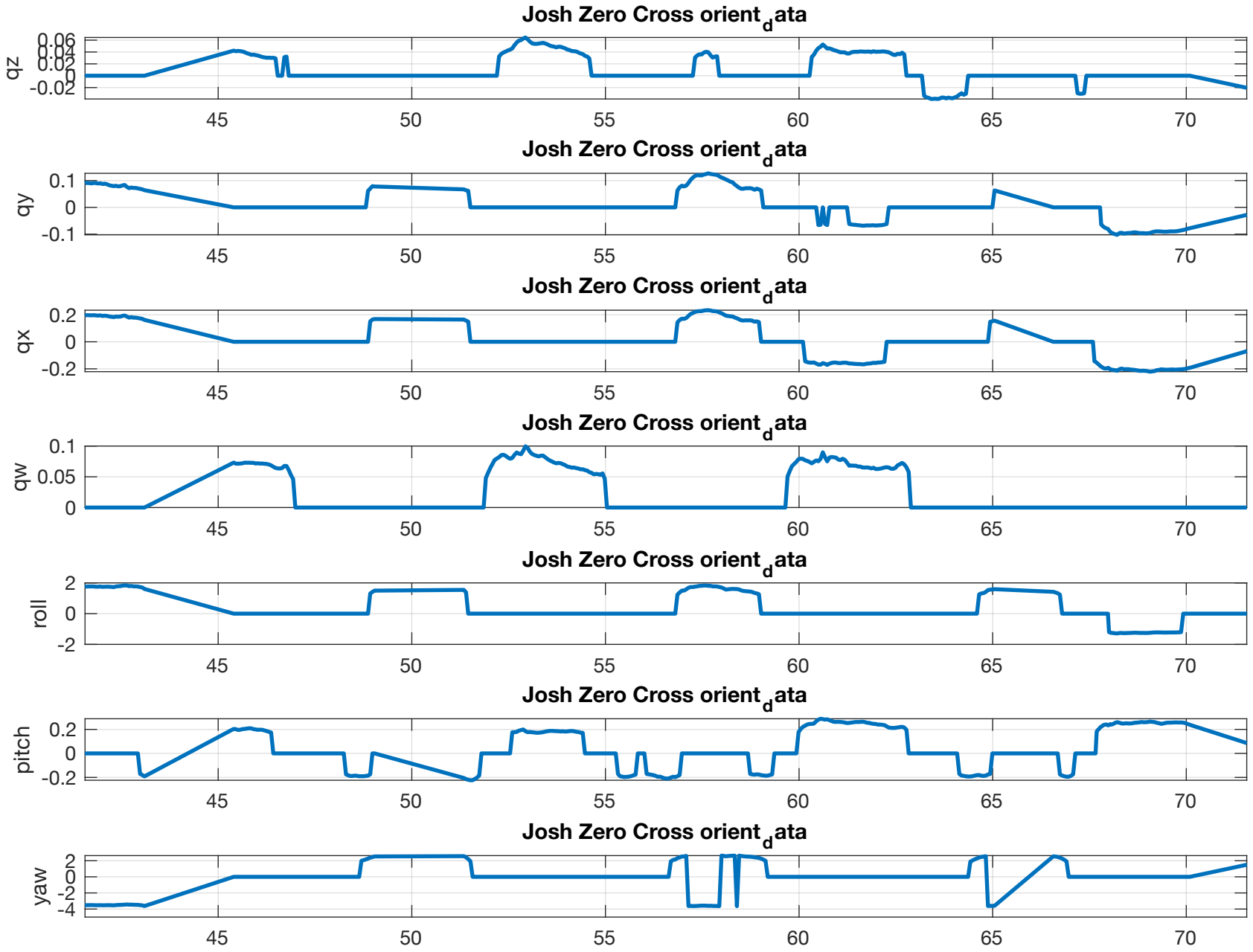
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-297.000	-167.000	-52.000	-18.000	"gyro_data"
'Y'	-325.000	-256.000	-77.000	-70.500	"gyro_data"
'X'	-310.000	-240.000	-73.000	-44.000	"gyro_data"


Josh grav_data
Z
1.5
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Josh grav_data
Y
0.5
0
-0.5
-1
45
50
55
60
65
70
Josh grav_data
X
4
2
0
-2
-4
45
50
55
60
65
70


Josh Zero Cross grav_data
Z
1.5
1
0.5
0
-0.5
-1
45
50
55
60
65
70
Josh Zero Cross grav_data
Y
0
-0.2
-0.4
-0.6
-0.8
-1
45
50
55
60
65
70
Josh Zero Cross grav_data
X
4
2
0
-2
-4
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-178.000	-115.000	-30.000	-5.000	"grav_data"
'Y'	-144.000	-86.000	-17.000	3.500	"grav_data"
'X'	-114.000	-54.000	-11.000	-0.750	"grav_data"


Josh orientdata
qz
0.06
0.04
0.02
0
-0.02
45
50
55
60
65
70
Josh orientdata
qy
0.1
0
-0.1
45
50
55
60
65
70
Josh orientdata
qx
0.2
0
-0.2
45
50
55
60
65
70
Josh orientdata
qw
0.1
0.05
0
45
50
55
60
65
70
Josh orientdata
roll
2
0
-2
45
50
55
60
65
70
Josh orientdata
pitch
0.2
0
-0.2
45
50
55
60
65
70
Josh orientdata
yaw
2
0
-2
-4
45
50
55
60
65
70


Josh Zero Cross orientdata
qz
0.06
0.04
0.02
0
-0.02
45
50
55
60
65
70
Josh Zero Cross orientdata
qy
0.1
0
-0.1
45
50
55
60
65
70
Josh Zero Cross orientdata
qx
0.2
0
-0.2
45
50
55
60
65
70
Josh Zero Cross orientdata
qw
0.1
0.05
0
45
50
55
60
65
70
Josh Zero Cross orientdata
roll
2
0
-2
45
50
55
60
65
70
Josh Zero Cross orientdata
pitch
0.2
0
-0.2
45
50
55
60
65
70
Josh Zero Cross orientdata
yaw
2
0
-2
-4
45
50
55
60
65
70

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-165.000	-87.000	-19.000	0.250	"orient_data"
'qy'	-137.000	-80.000	-12.000	-1.500	"orient_data"
'qx'	-125.000	-68.000	-8.000	1.250	"orient_data"
'qw'	-152.000	-65.000	-12.000	1.250	"orient_data"
'roll'	-92.000	-40.000	-6.000	2.750	"orient_data"
'pitch'	-116.000	-49.000	-9.000	-6.000	"orient_data"
'yaw'	-106.000	-67.000	-14.000	-3.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"Y"	'zero_cross'	72.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	7.000
'gyro_data'	"Z"	'zero_cross'	18.000
'grav_data'	"X"	'zero_cross'	0.750
'orient_data'	"qz"	'zero_cross'	0.250