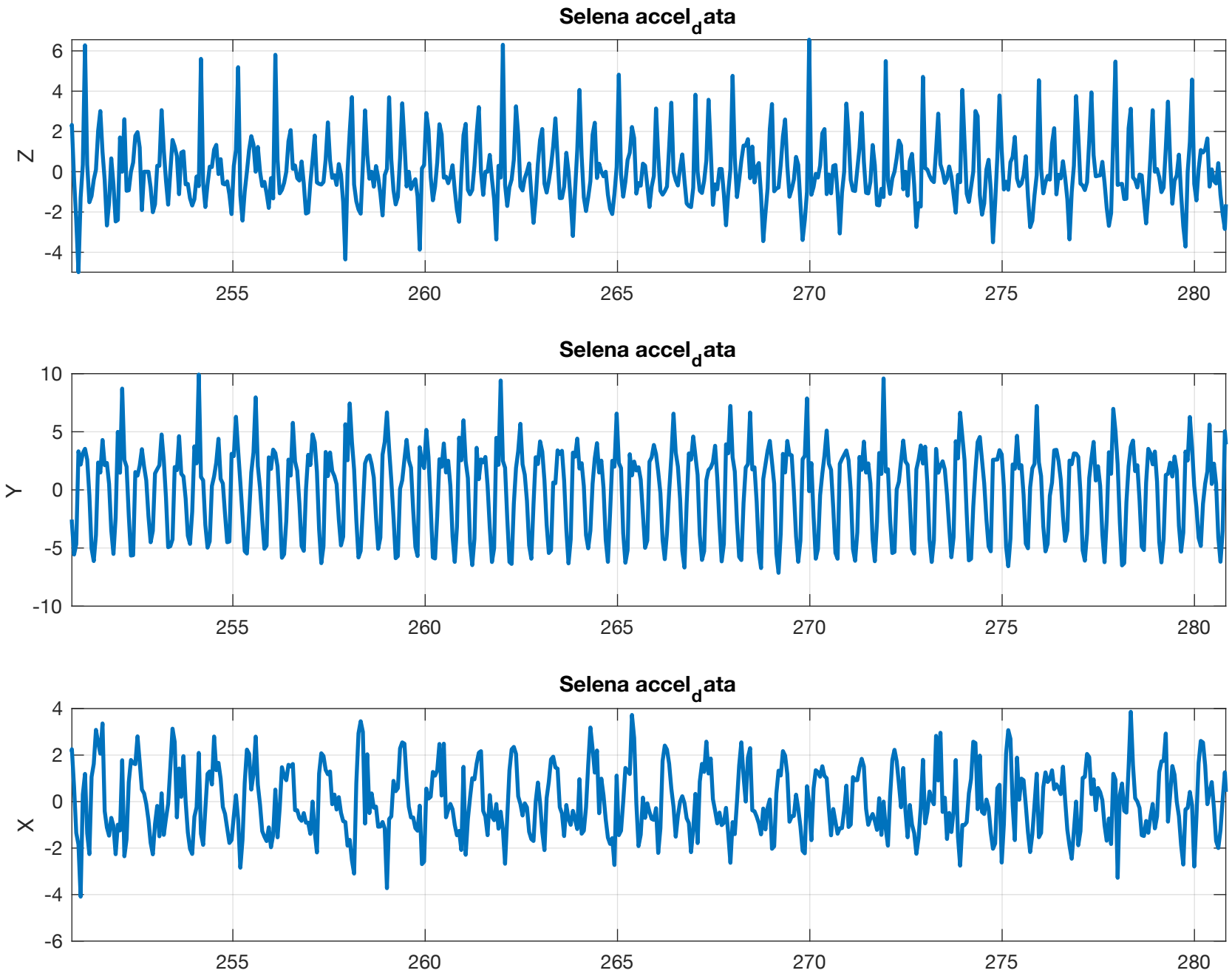
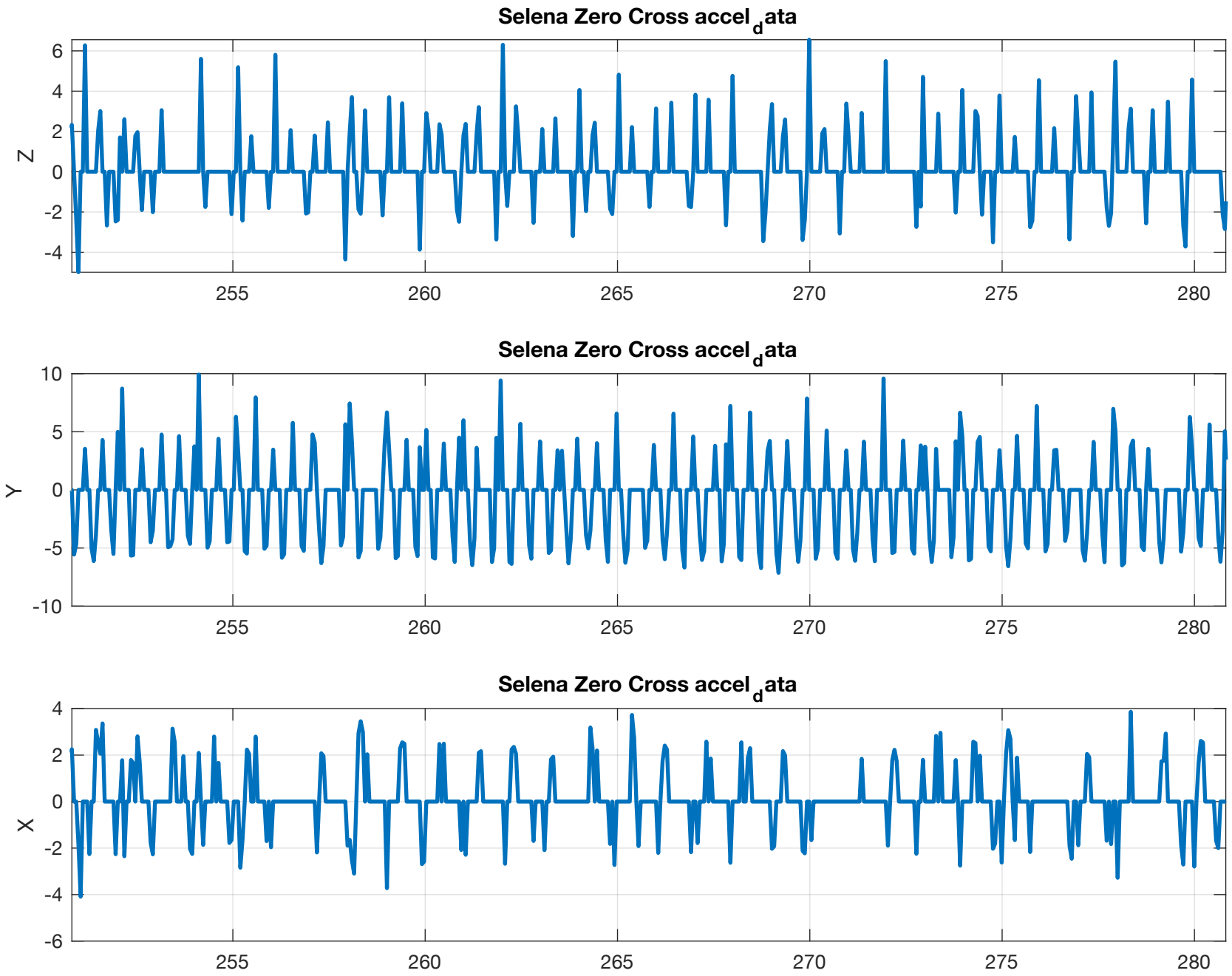
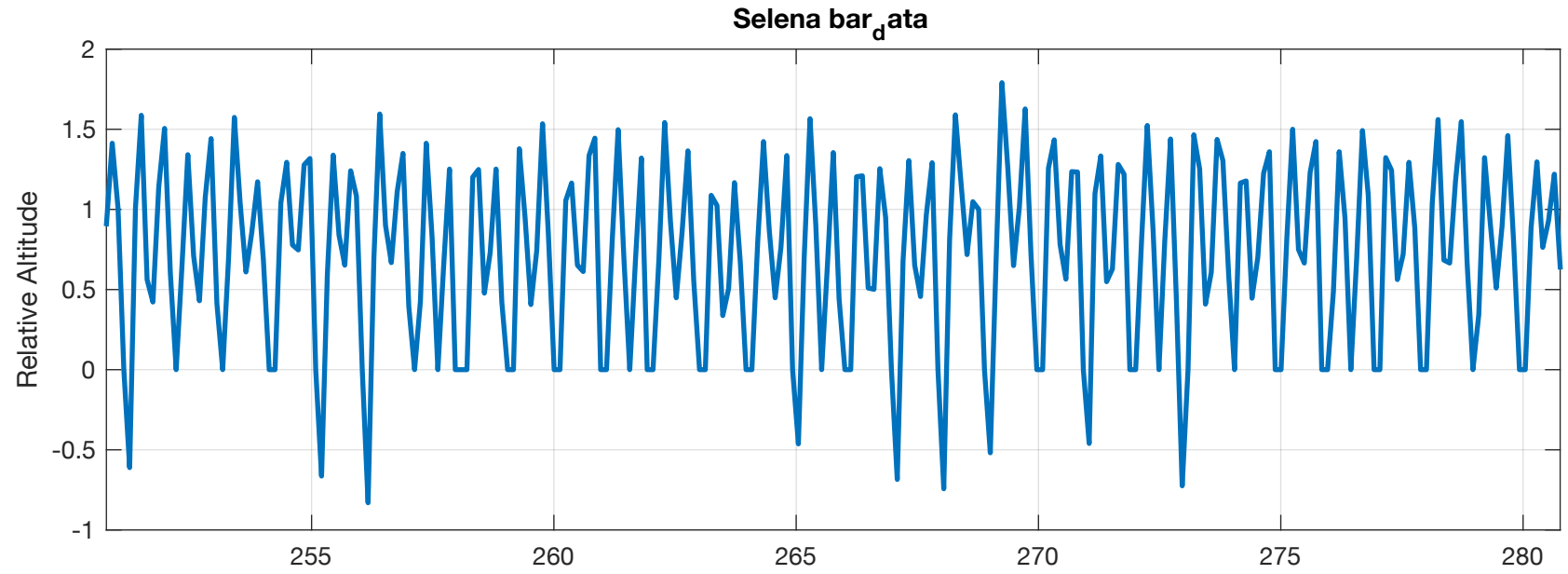
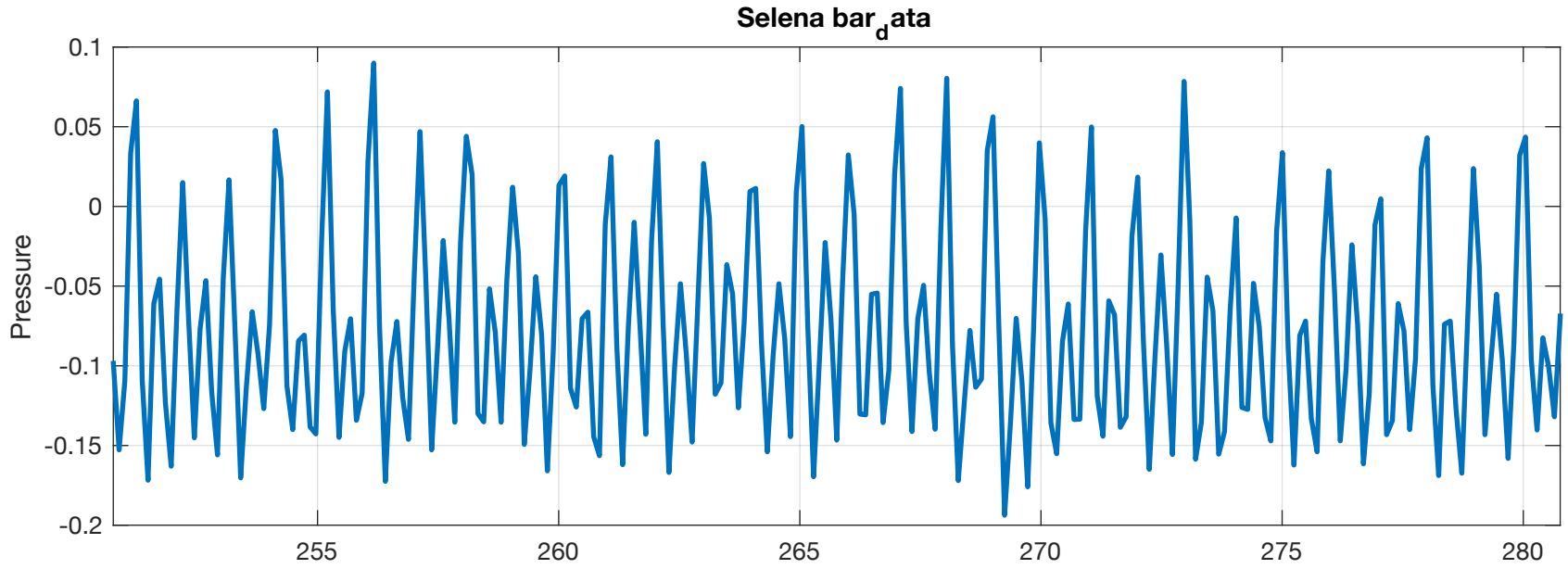
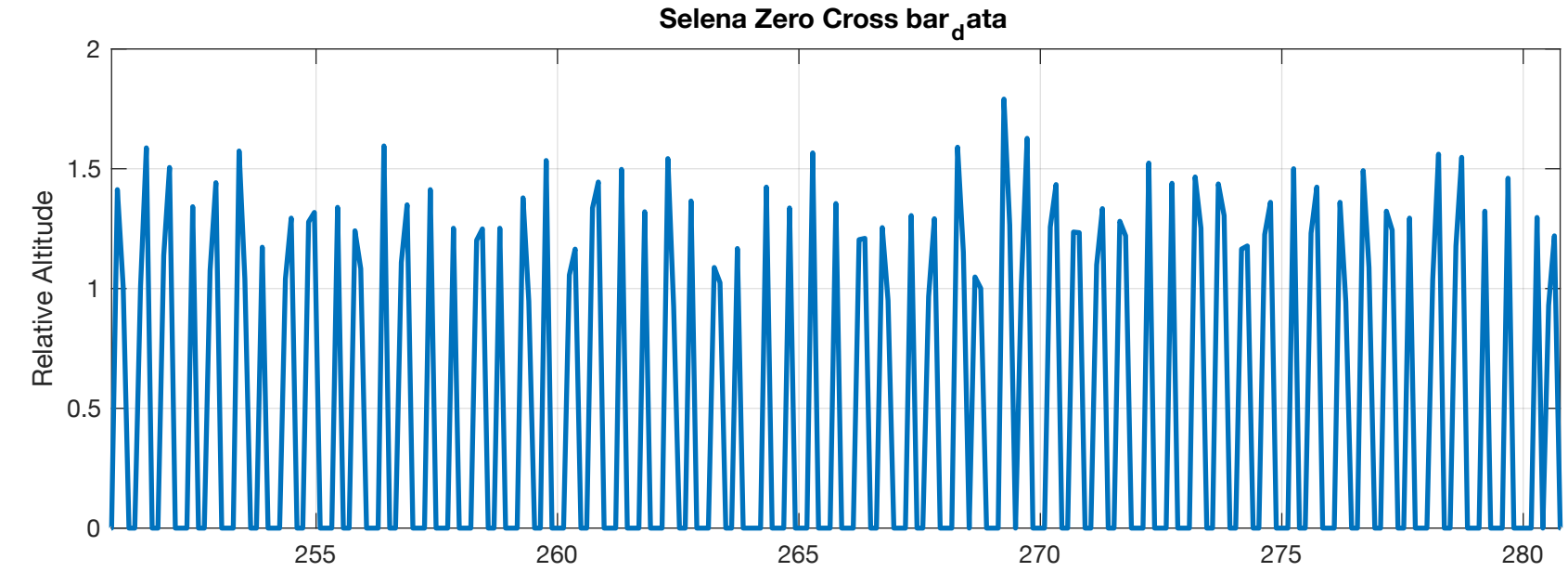

Selena accel_data
Z
6
4
2
0
-2
-4
255
260
265
270
275
280
Selena accel_data
Y
10
5
0
-5
-10
255
260
265
270
275
280
Selena accel_data
X
4
2
0
-2
-4
-6
255
260
265
270
275
280

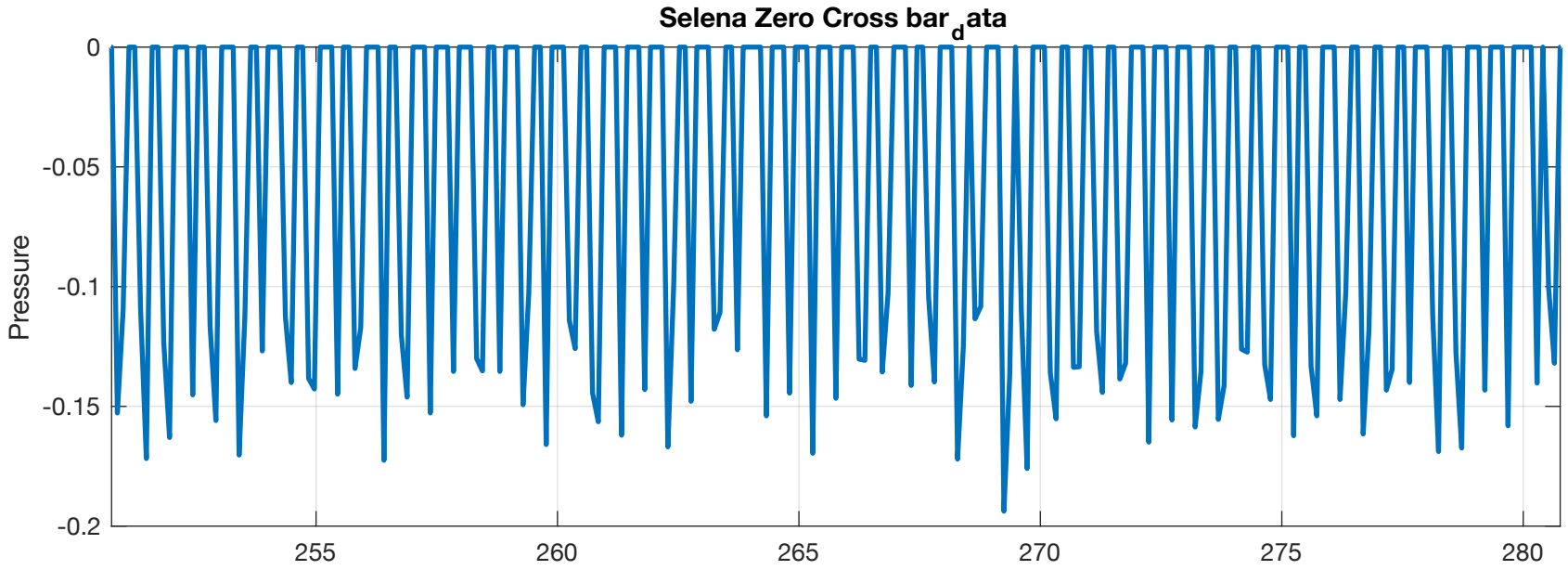

Selena Zero Cross accel_data
Z
6
4
2
0
-2
-4
255
260
265
270
275
280
Selena Zero Cross accel_data
Y
10
5
0
-5
-10
255
260
265
270
275
280
Selena Zero Cross accel_data
X
4
2
0
-2
-4
-6
255
260
265
270
275
280

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-4119.000	-3168.000	-1359.000	-1728.500	"accel_data"
'Y'	-3566.000	-3365.000	-1264.000	-1912.000	"accel_data"
'X'	-4393.000	-3475.000	-1245.000	-1673.000	"accel_data"

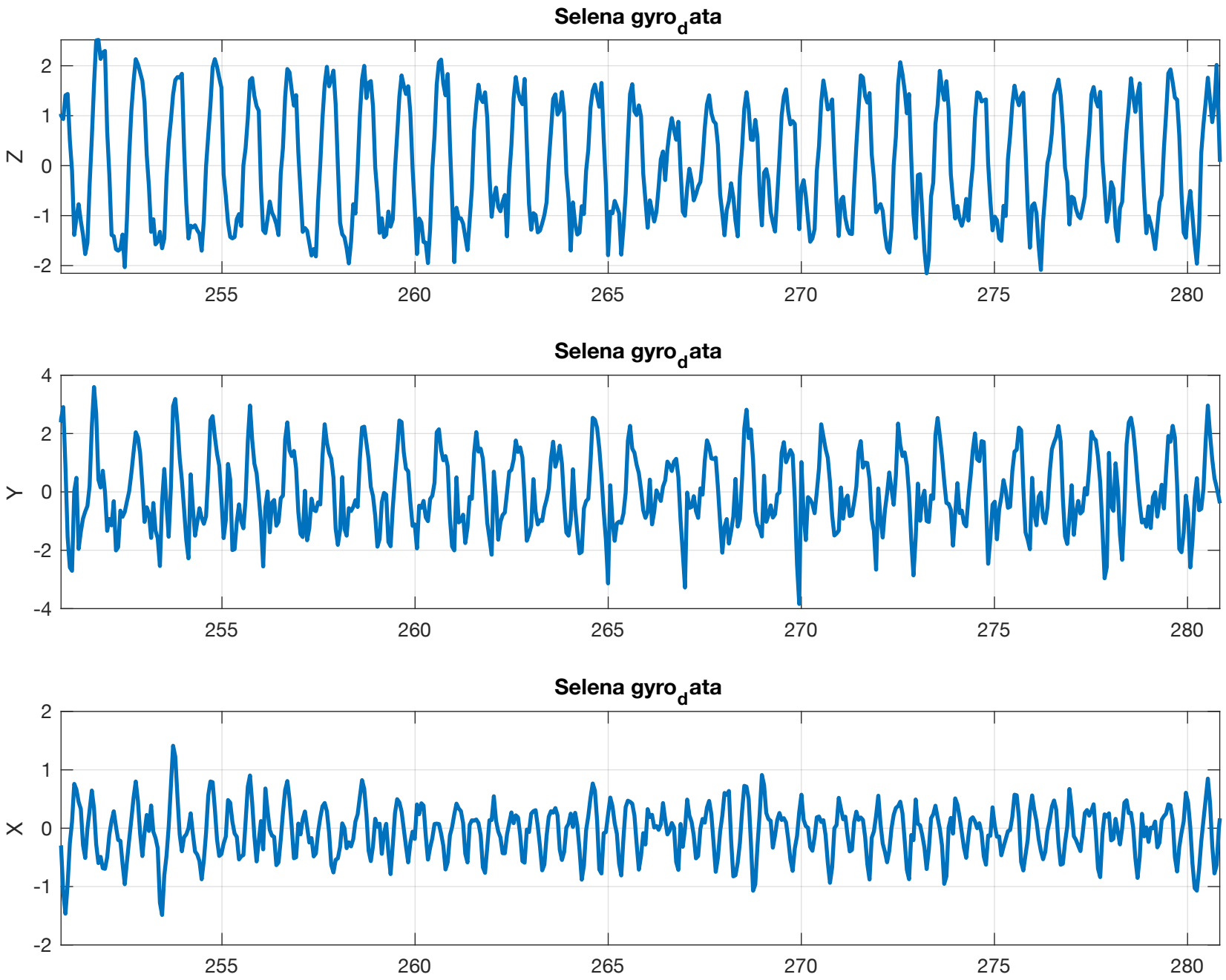

Selena bar_data
Relative Altitude
2
1.5
1
0.5
0
-0.5
-1
255
260
265
270
275
280

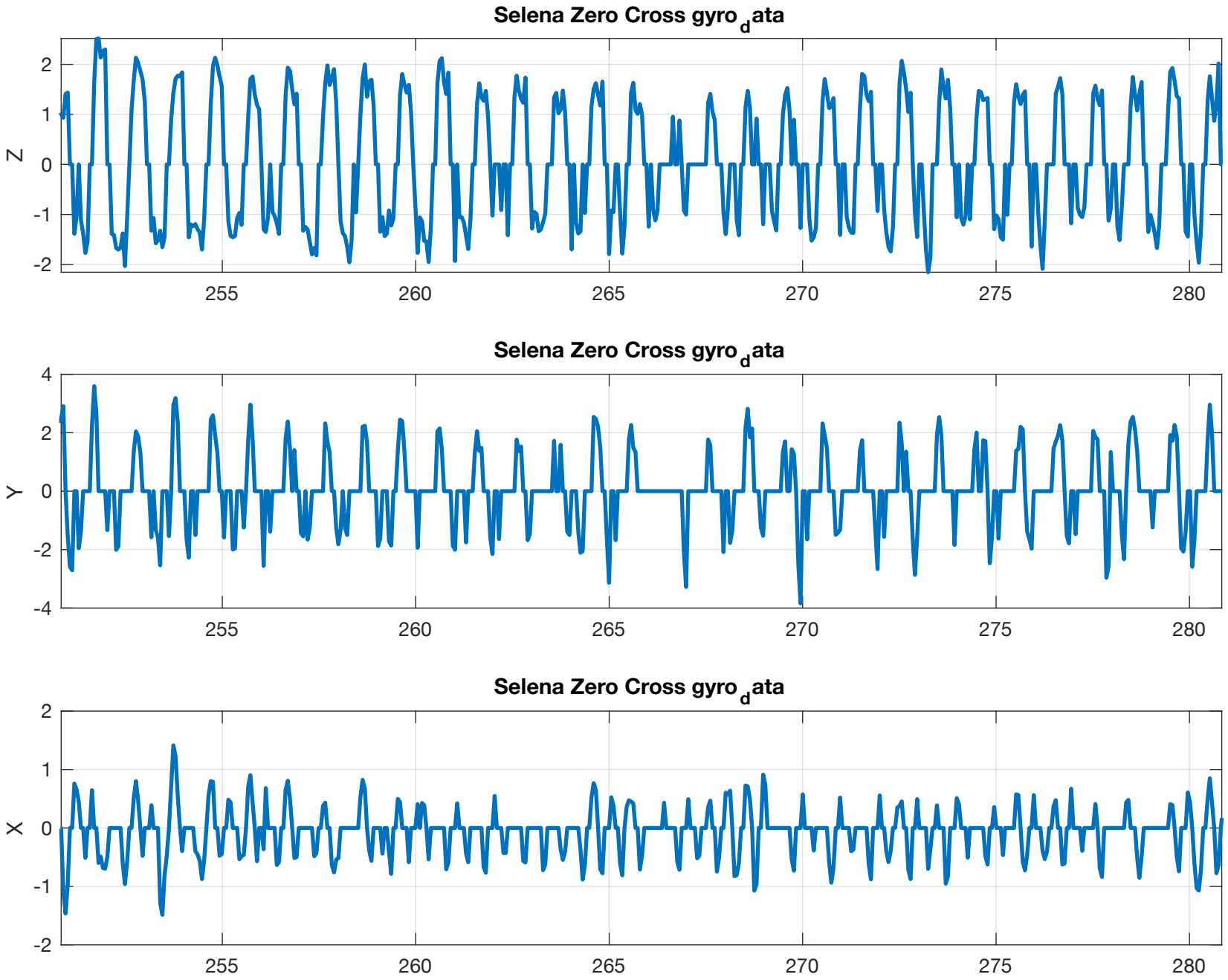

Selena bar_data
Pressure
0.1
0.05
0
-0.05
-0.1
-0.15
-0.2
255
260
265
270
275
280


Selena Zero Cross bar_data
Relative Altitude
2
1.5
1
0.5
0
255
260
265
270
275
280

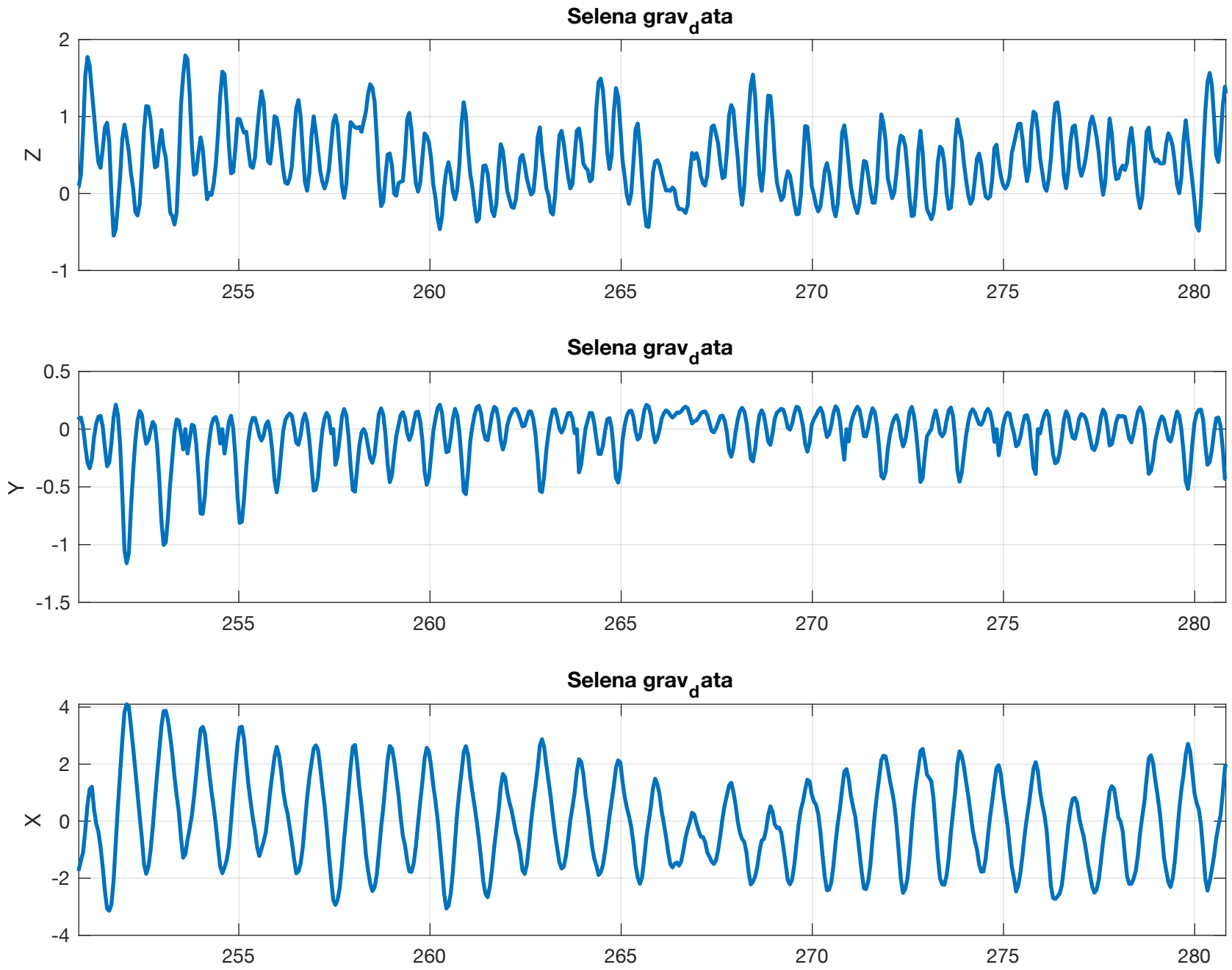

Selena Zero Cross bar_data
Pressure
0
-0.05
-0.1
-0.15
-0.2
255
260
265
270
275
280

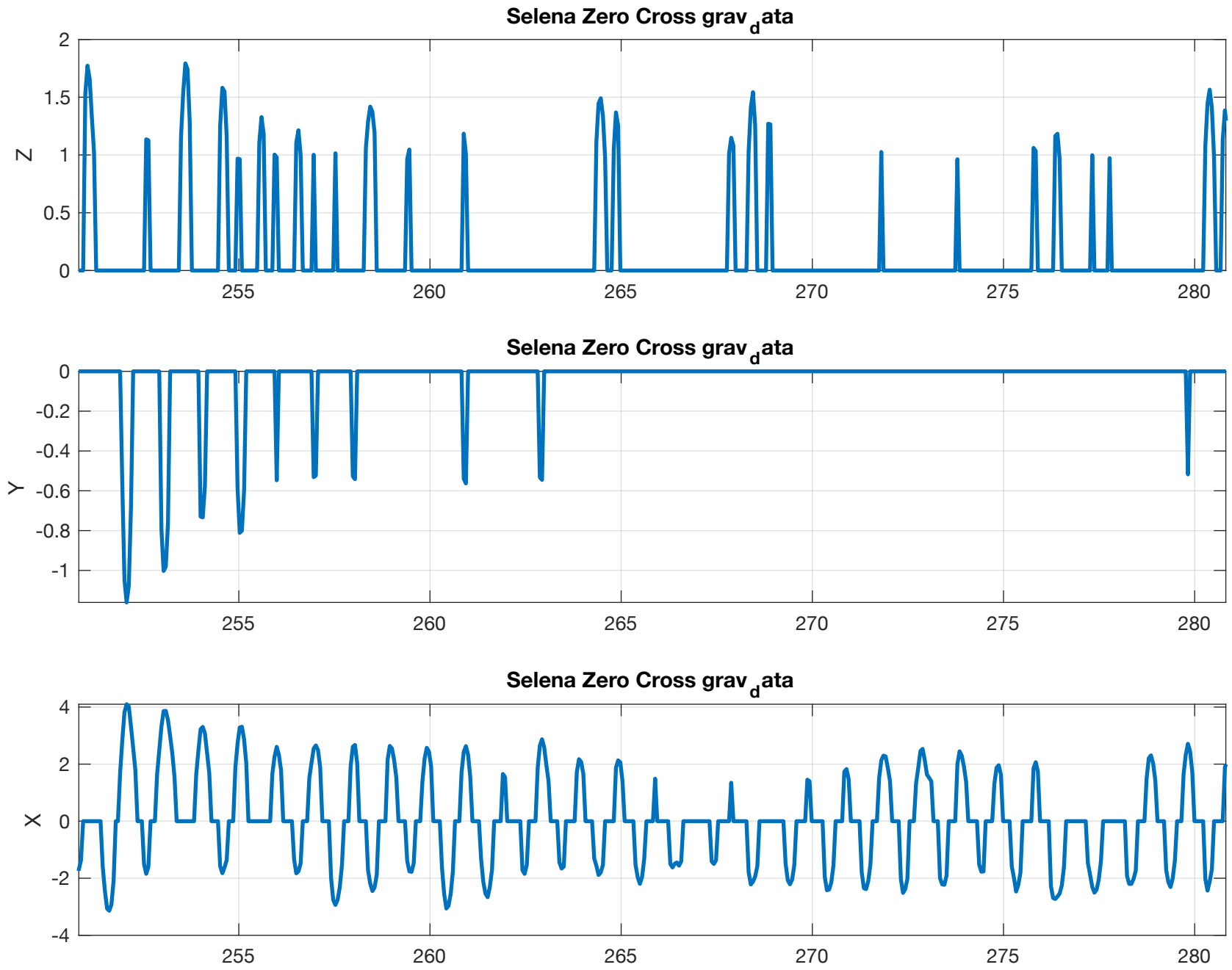
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
"Relative Altitude"	-1903.000	-1141.000	-405.000	-731.250	"bar_data"
"Pressure"	-1968.000	-1346.000	-756.000	-730.750	"bar_data"


Selena gyro_data
Z
2
1
0
-1
-2
255
260
265
270
275
280
Selena gyro_data
Y
4
2
0
-2
-4
255
260
265
270
275
280
Selena gyro_data
X
2
1
0
-1
-2
255
260
265
270
275
280

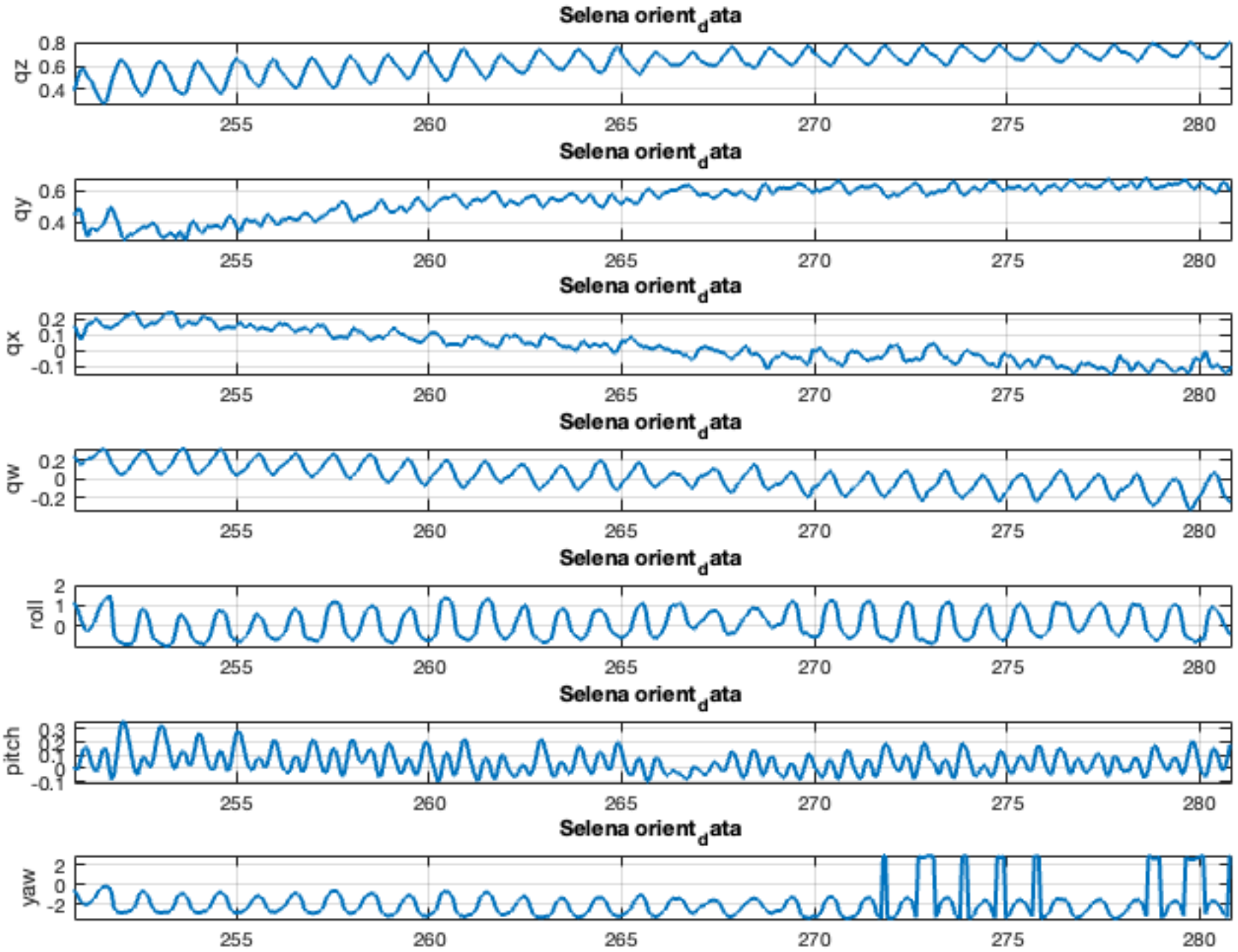

Selena Zero Cross gyro_data
Z
2
1
0
-1
-2
255
260
265
270
275
280
Selena Zero Cross gyro_data
Y
4
2
0
-2
-4
255
260
265
270
275
280
Selena Zero Cross gyro_data
X
2
1
0
-1
-2
255
260
265
270
275
280

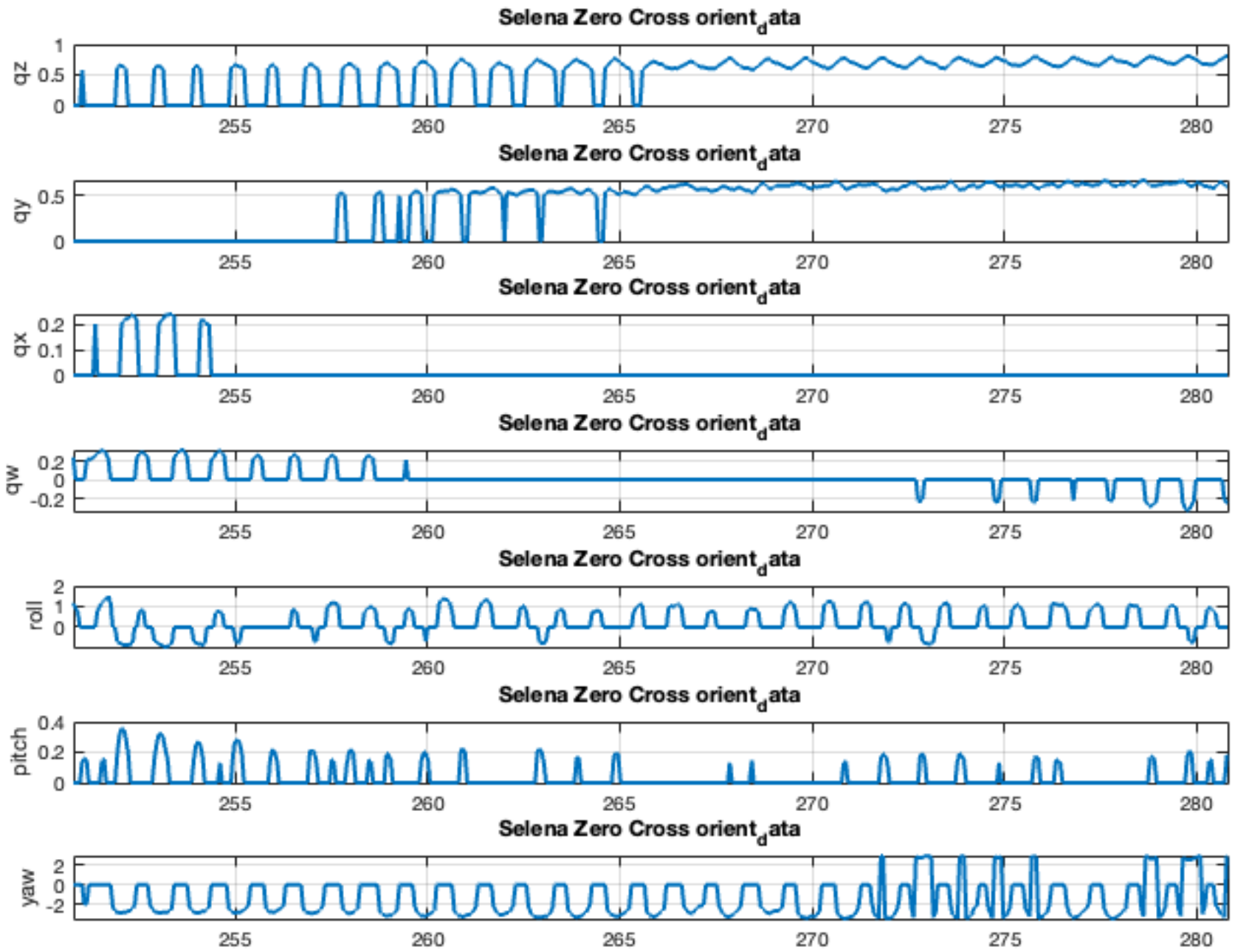
Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-3786.000	-2966.000	-1216.000	-526.500	"gyro_data"
'Y'	-4066.000	-3426.000	-1237.000	-1526.500	"gyro_data"
'X'	-3746.000	-3285.000	-1258.000	-1362.500	"gyro_data"


Selena grav_data
Z
2
1
0
-1
255
260
265
270
275
280
Selena grav_data
Y
0.5
0
-0.5
-1
-1.5
255
260
265
270
275
280
Selena grav_data
X
4
2
0
-2
-4
255
260
265
270
275
280


Selena Zero Cross grav_data
Z
2
1.5
1
0.5
0
255
260
265
270
275
280
Selena Zero Cross grav_data
Y
0
-0.2
-0.4
-0.6
-0.8
-1
255
260
265
270
275
280
Selena Zero Cross grav_data
X
4
2
0
-2
-4
255
260
265
270
275
280

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'Z'	-2564.000	-1482.000	-642.000	-198.750	"grav_data"
'Y'	-2503.000	-2394.000	-795.000	-102.750	"grav_data"
'X'	-2190.000	-1401.000	-549.000	-390.750	"grav_data"


Selena orientdata
qz
0.8
0.6
0.4
255
260
265
270
275
280
Selena orientdata
qy
0.6
0.4
255
260
265
270
275
280
Selena orientdata
qx
0.2
0.1
0
-0.1
255
260
265
270
275
280
Selena orientdata
qw
0.2
0
-0.2
255
260
265
270
275
280
Selena orientdata
roll
2
1
0
255
260
265
270
275
280
Selena orientdata
pitch
0.3
0.2
0.1
0
-0.1
255
260
265
270
275
280
Selena orientdata
yaw
2
0
-2
255
260
265
270
275
280


Selena Zero Cross orientdata
qz
1
0.5
0
255
260
265
270
275
280
Selena Zero Cross orientdata
qy
0.5
0
255
260
265
270
275
280
Selena Zero Cross orientdata
qx
0.2
0.1
0
255
260
265
270
275
280
Selena Zero Cross orientdata
qw
0.2
0
-0.2
255
260
265
270
275
280
Selena Zero Cross orientdata
roll
2
1
0
255
260
265
270
275
280
Selena Zero Cross orientdata
pitch
0.4
0.2
0
255
260
265
270
275
280
Selena Zero Cross orientdata
yaw
2
0
-2
255
260
265
270
275
280

Axis	findpeaks	findpeaks_above_zero	double_findpeaks	zero_cross	Sensor
'qz'	-2298.000	-1111.000	-383.000	-244.750	"orient_data"
'qy'	-2698.000	-1333.000	-492.000	-233.500	"orient_data"
'qx'	-2795.000	-1365.000	-517.000	-142.000	"orient_data"
'qw'	-2322.000	-1221.000	-482.000	-177.000	"orient_data"
'roll'	-2374.000	-1425.000	-587.000	-511.500	"orient_data"
'pitch'	-2480.000	-1098.000	-517.000	-303.250	"orient_data"
'yaw'	-2672.000	-1727.000	-658.000	-543.750	"orient_data"

Sensor	Sensor Axis	Method	Error
'accel_data'	"X"	'double_findpeaks'	1245.000
'bar_data'	"Relative Altitude"	'double_findpeaks'	405.000
'gyro_data'	"Z"	'zero_cross'	526.500
'grav_data'	"Y"	'zero_cross'	102.750
'orient_data'	"qx"	'zero_cross'	142.000