***Show the data using an screenshot as in item 10 page 25 of 28 of this tutorial***



***Submit a demo video testing as described in Real Time Rotation Angle Visualization: Demonstration of Angle Sensing (item 10 page 26 of 28)***

Video attached with file name ‘Item 10 Page 26 of 28 Realtime\_Z-axis\_And\_X-axis\_Rotation’

***Make videos to demonstrate: Figure 5. Real time display of computed angle. And Figure 6. Real time display of computed angle. as in page 27 of 28***

Video attached file name ‘Z and X rotation figure 5 and 6 page 27 of 28’

***Item 11 of page 28 of 28***

1.

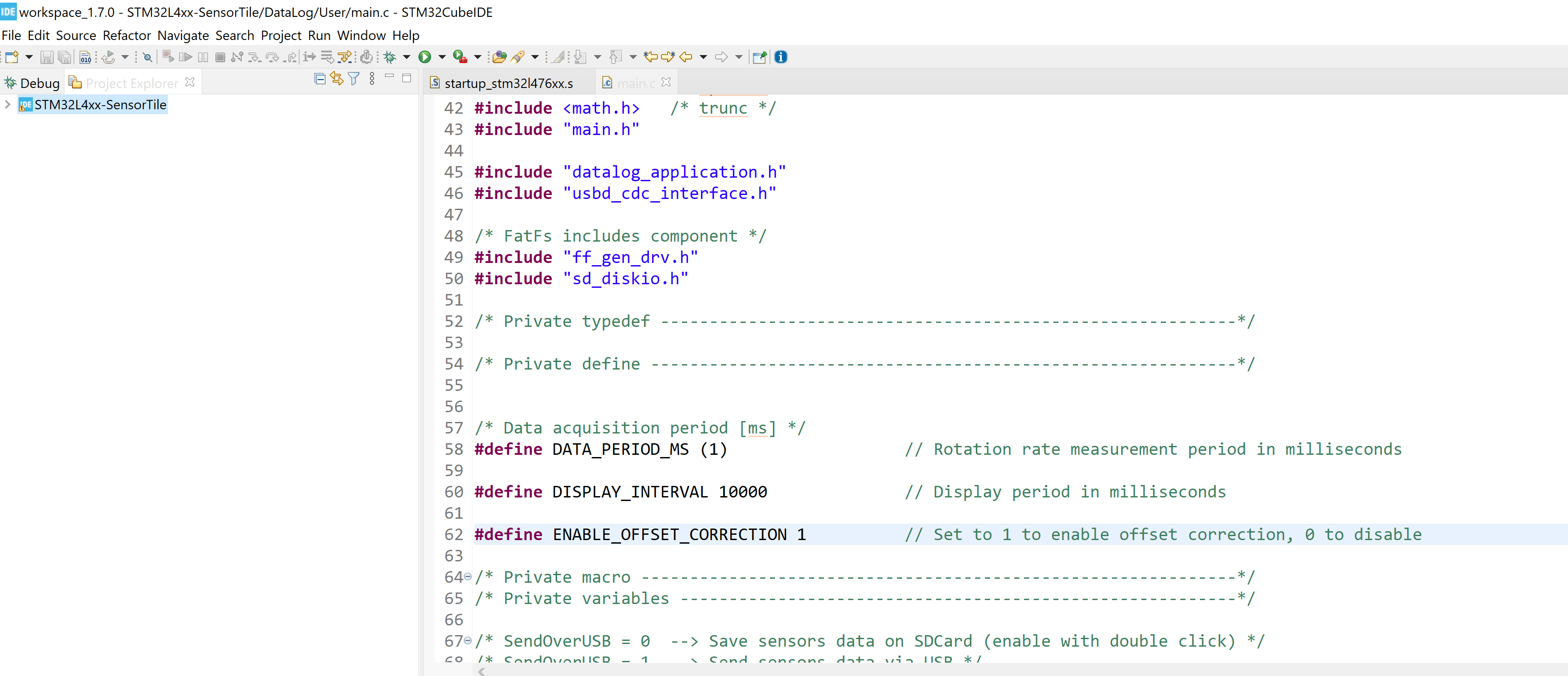


Figure 1. Terminated program as is with ENABLE\_OFFSET\_CORRECTION = 1

2.

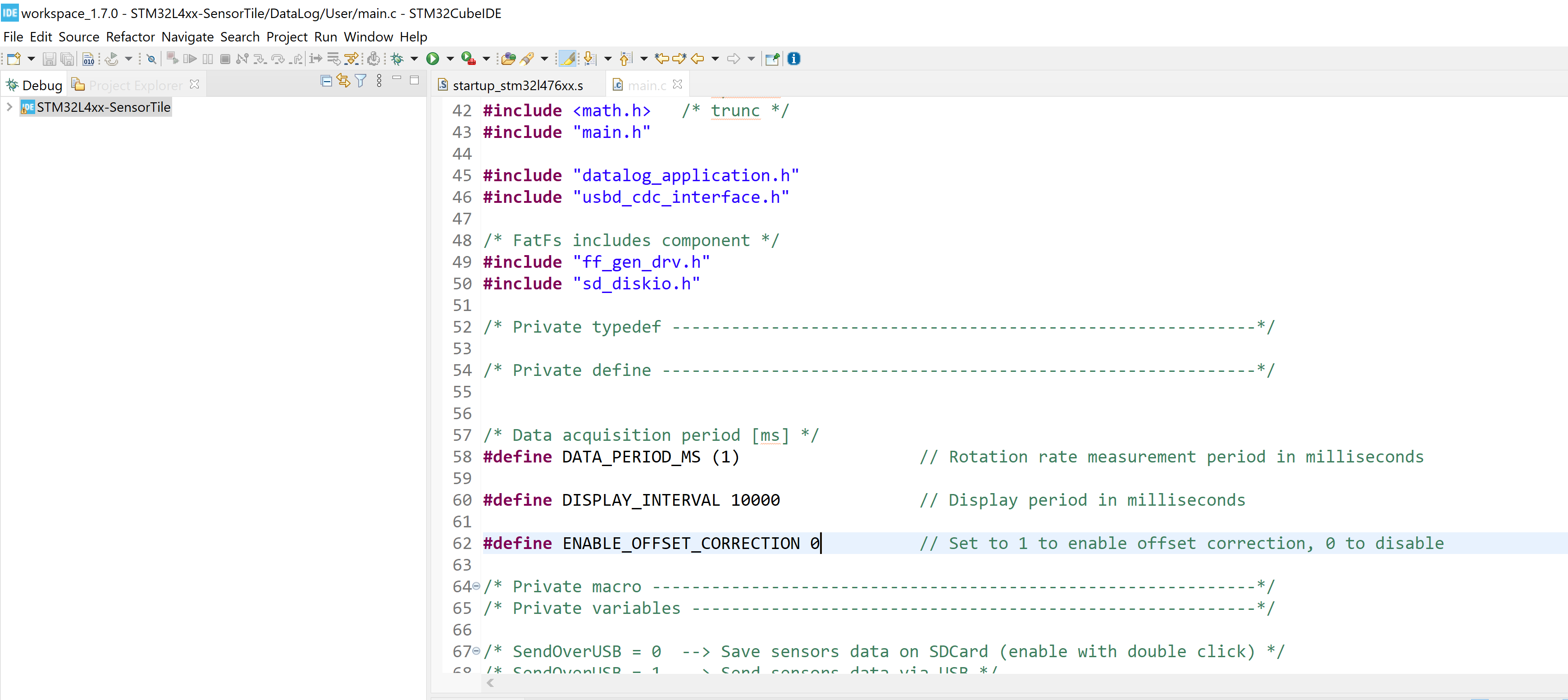


Figure 2. Changed main.c such that ENABLE\_OFFSET\_CORRECTION = 0

3.



Figure 3. Motionless and level sensortile has drift that can be seen in figure above.

4. See uploaded video file name ‘Step 4 OFFSET\_CORRECTION\_DISABLE Real\_Time\_Drift\_And\_Poor\_Quality\_Rotation’ for sensor motion behavior

5.

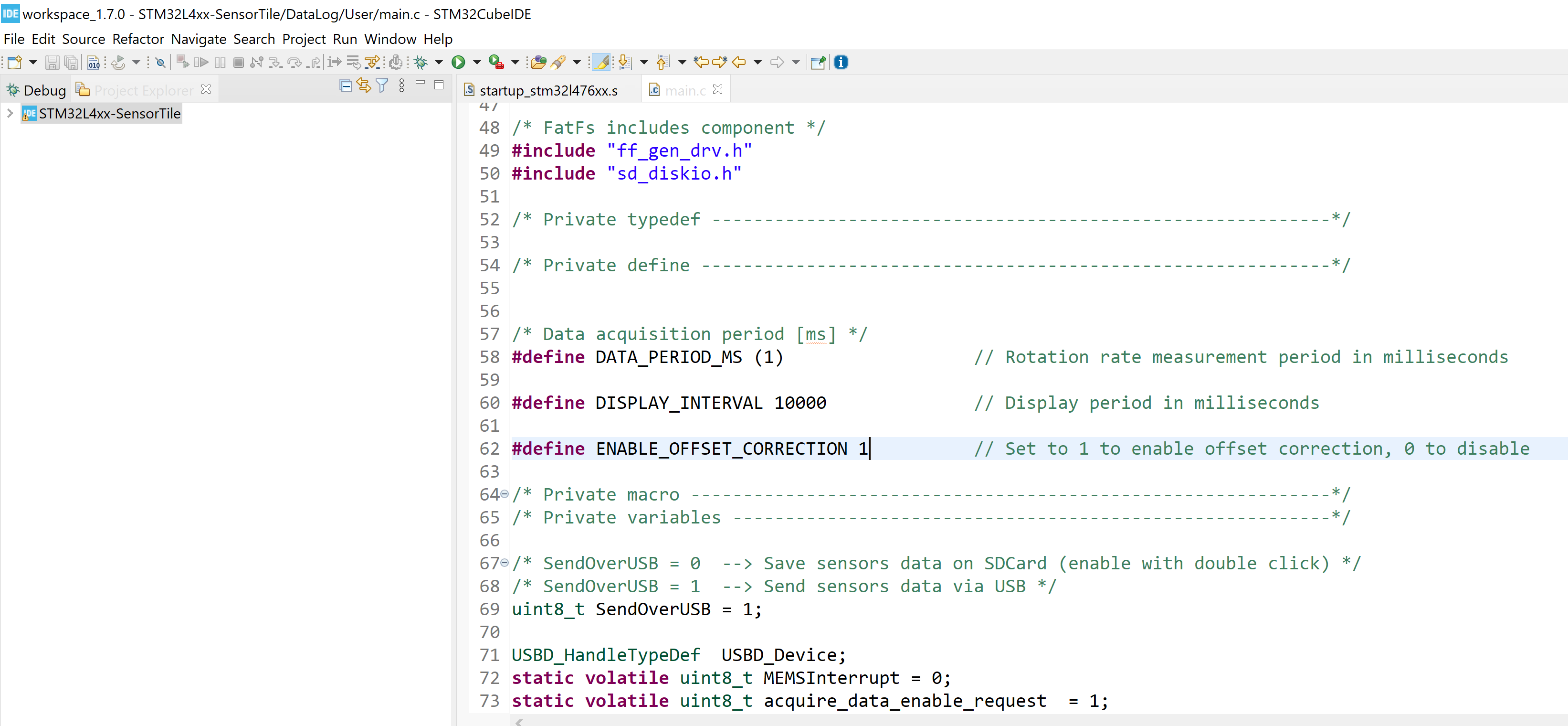


Figure 5 shows ENABLE\_OFFSET\_CORRECTION = 1

Check out the attached video file name ‘Step 5 OFFSET\_CORRECTION\_ENABLE Real\_Time\_Quality\_Rotation’