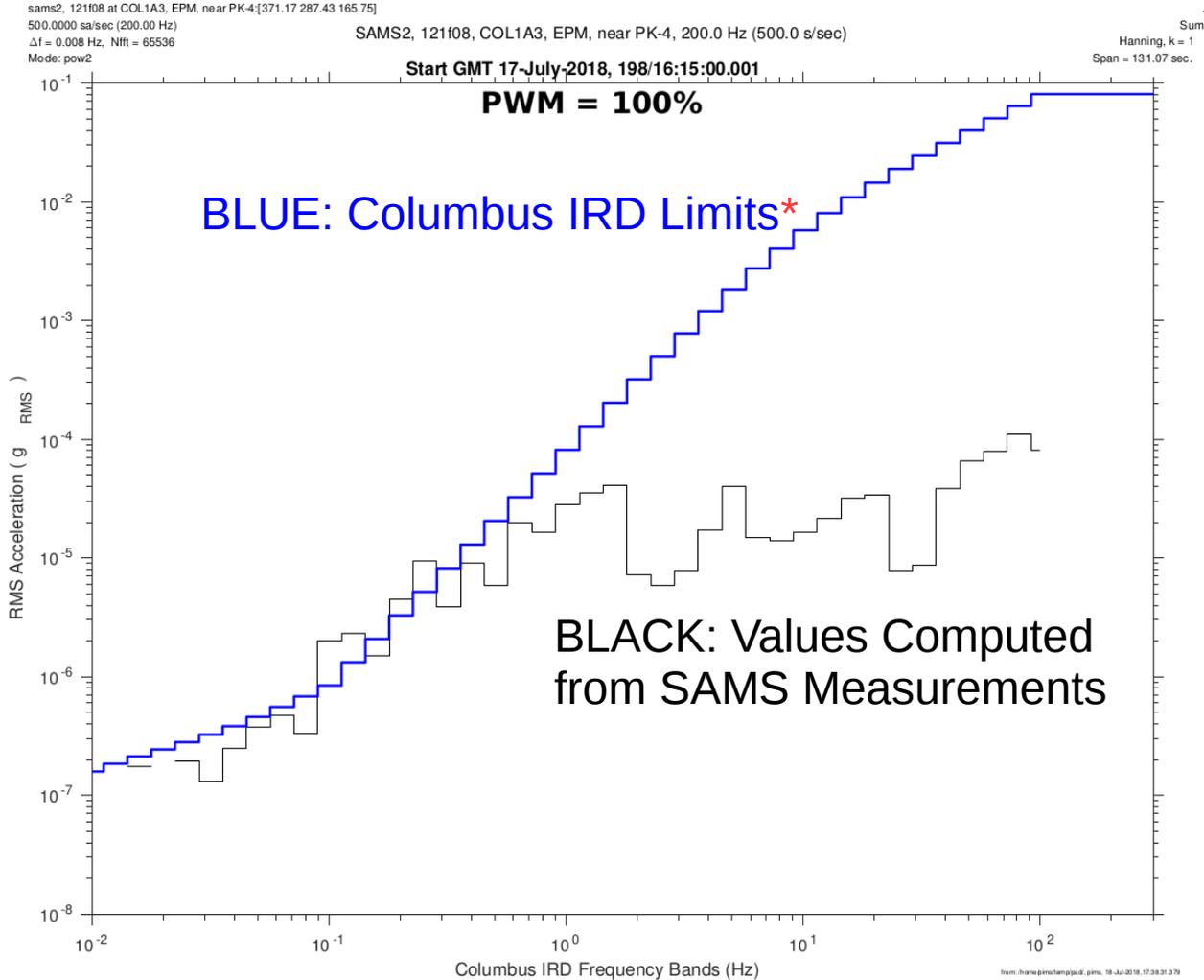


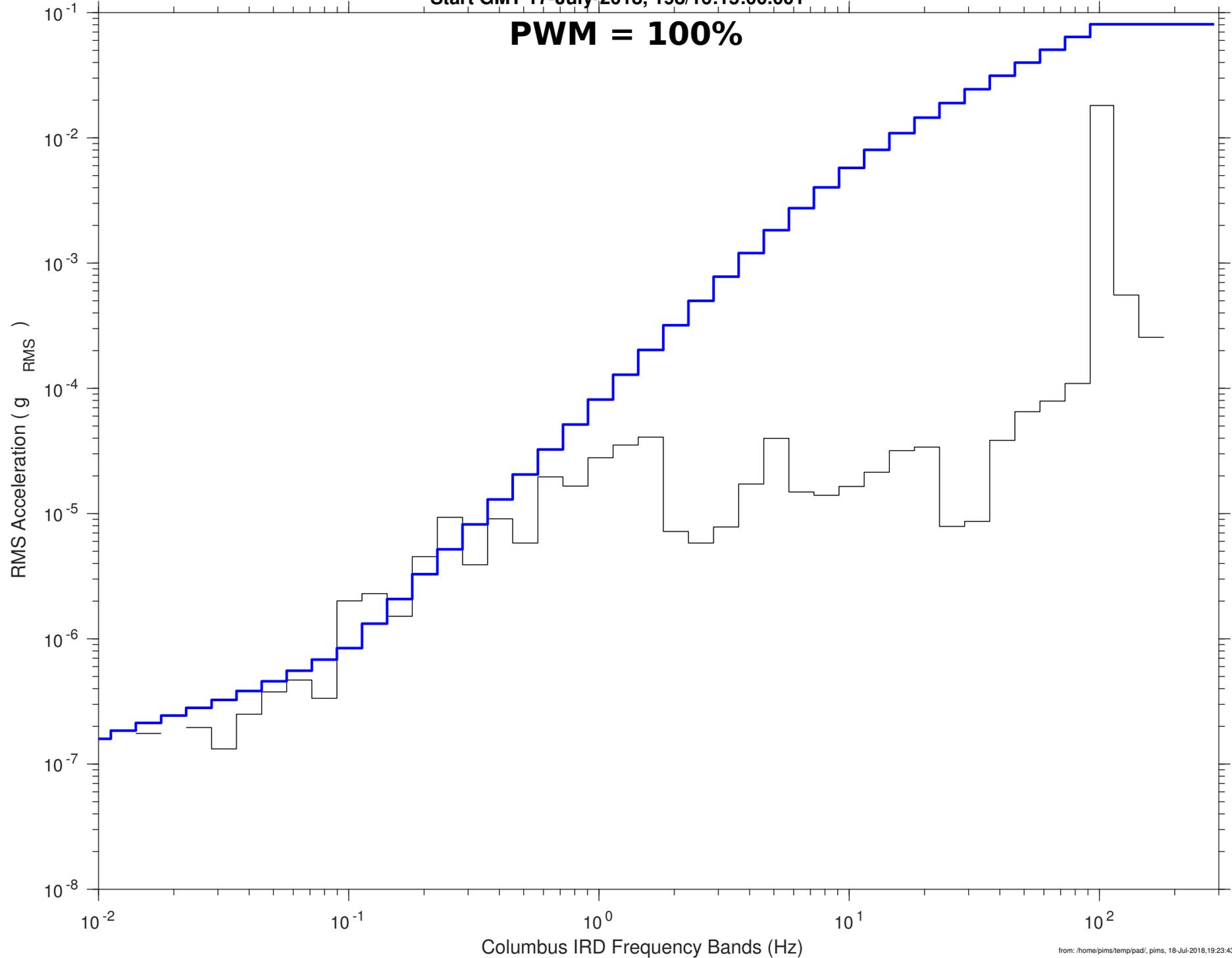
# Columbus IRD Microgravity Limits Comparison Legend for the Next 11 Slides



At least 2 apparent typos were fixed in the frequency bands published in Columbus IRD Table 3.1.2.5.2-2  
see email between Hrovat and Peignier on 2018-07-18

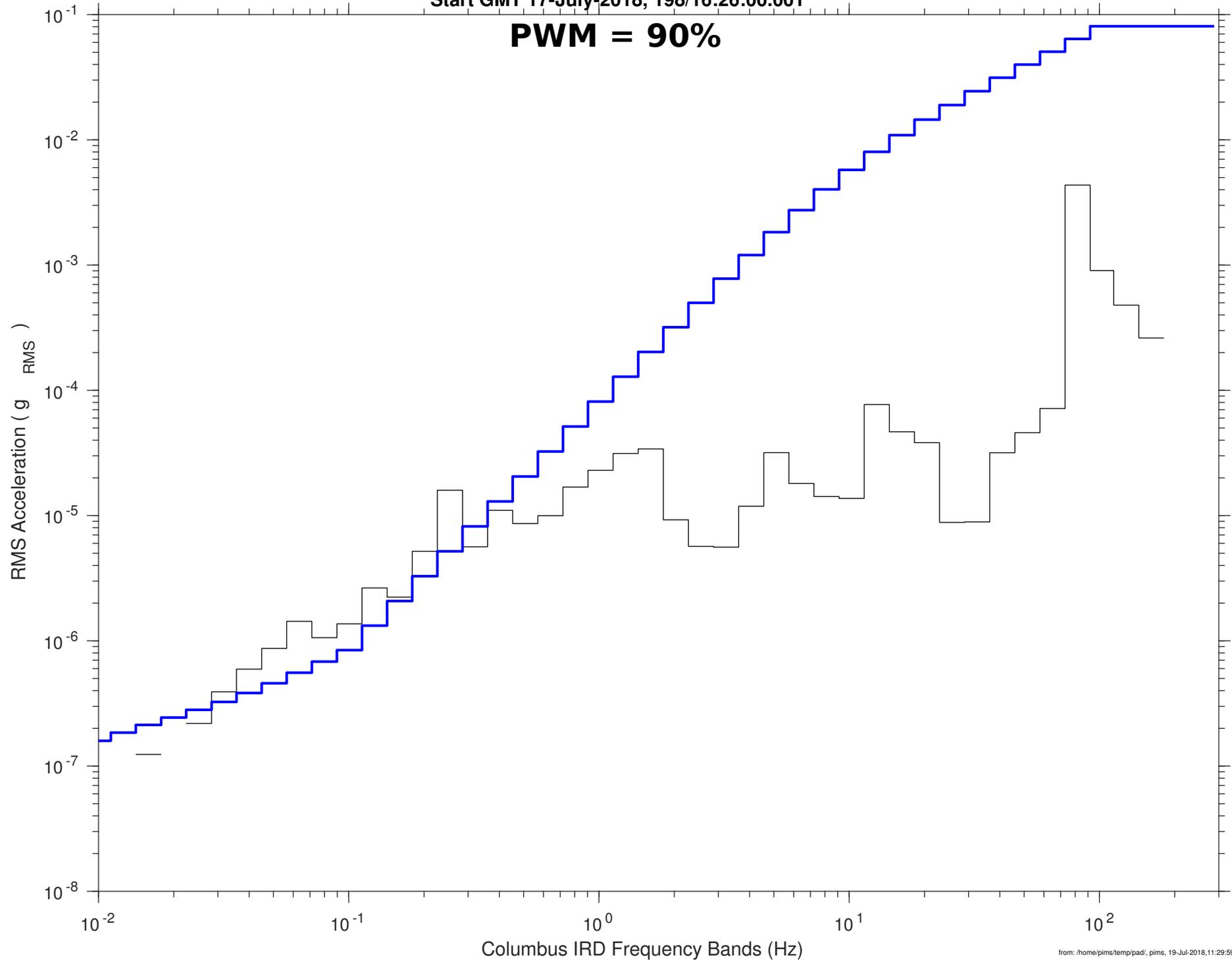
Start GMT 17-July-2018, 198/16:15:00.001

**PWM = 100%**



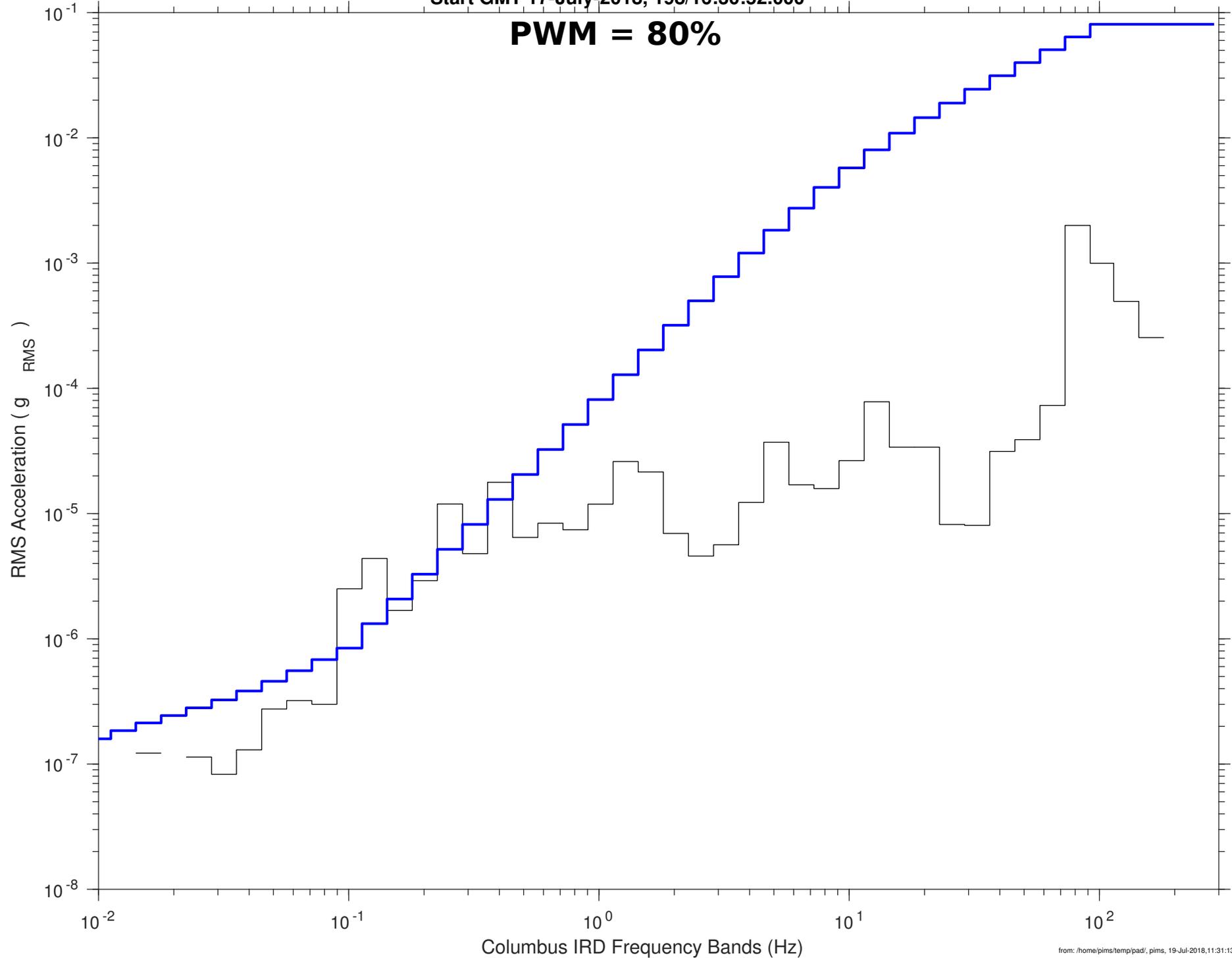
Start GMT 17-July-2018, 198/16:26:00.001

**PWM = 90%**

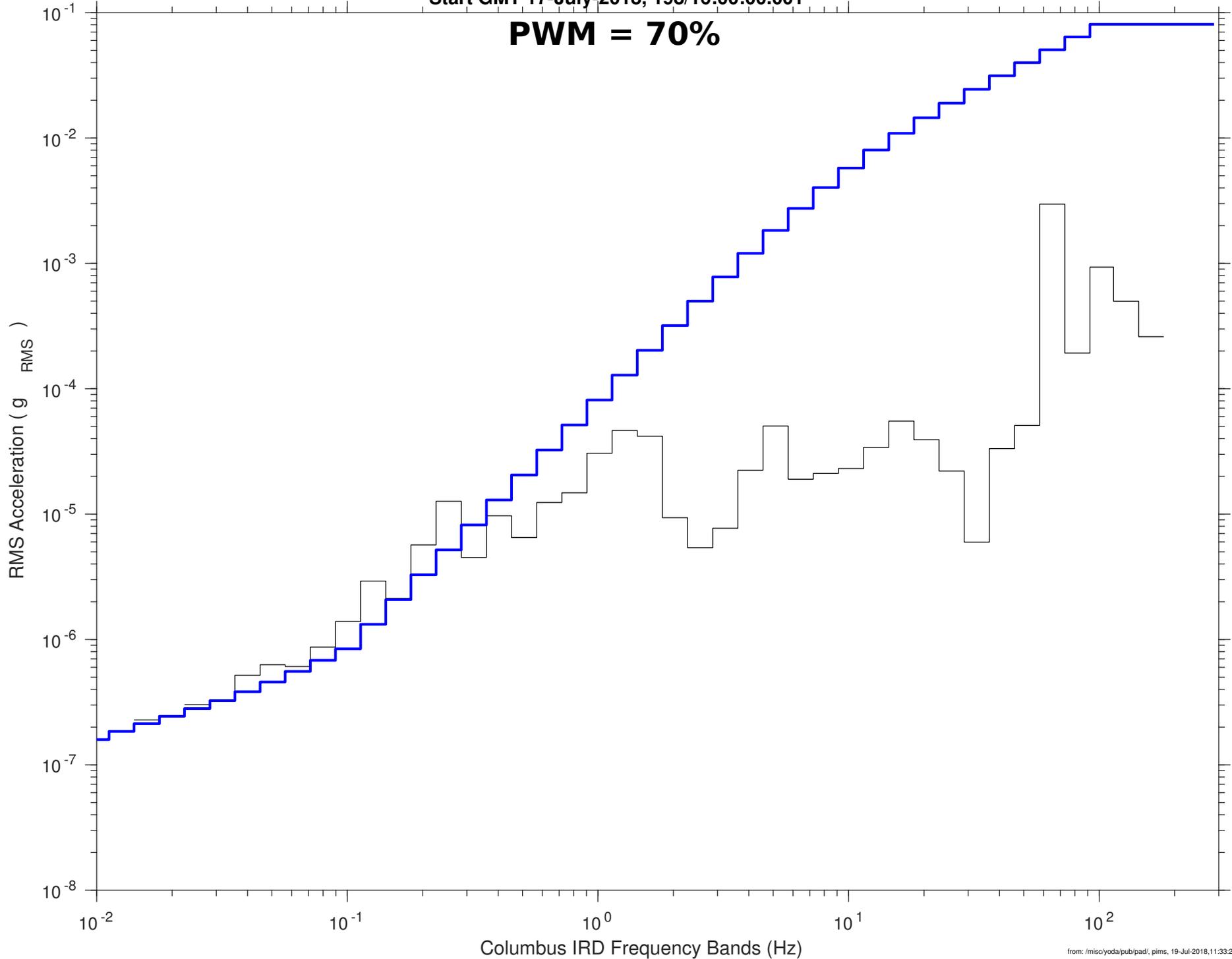


Start GMT 17-July-2018, 198/16:30:52.000

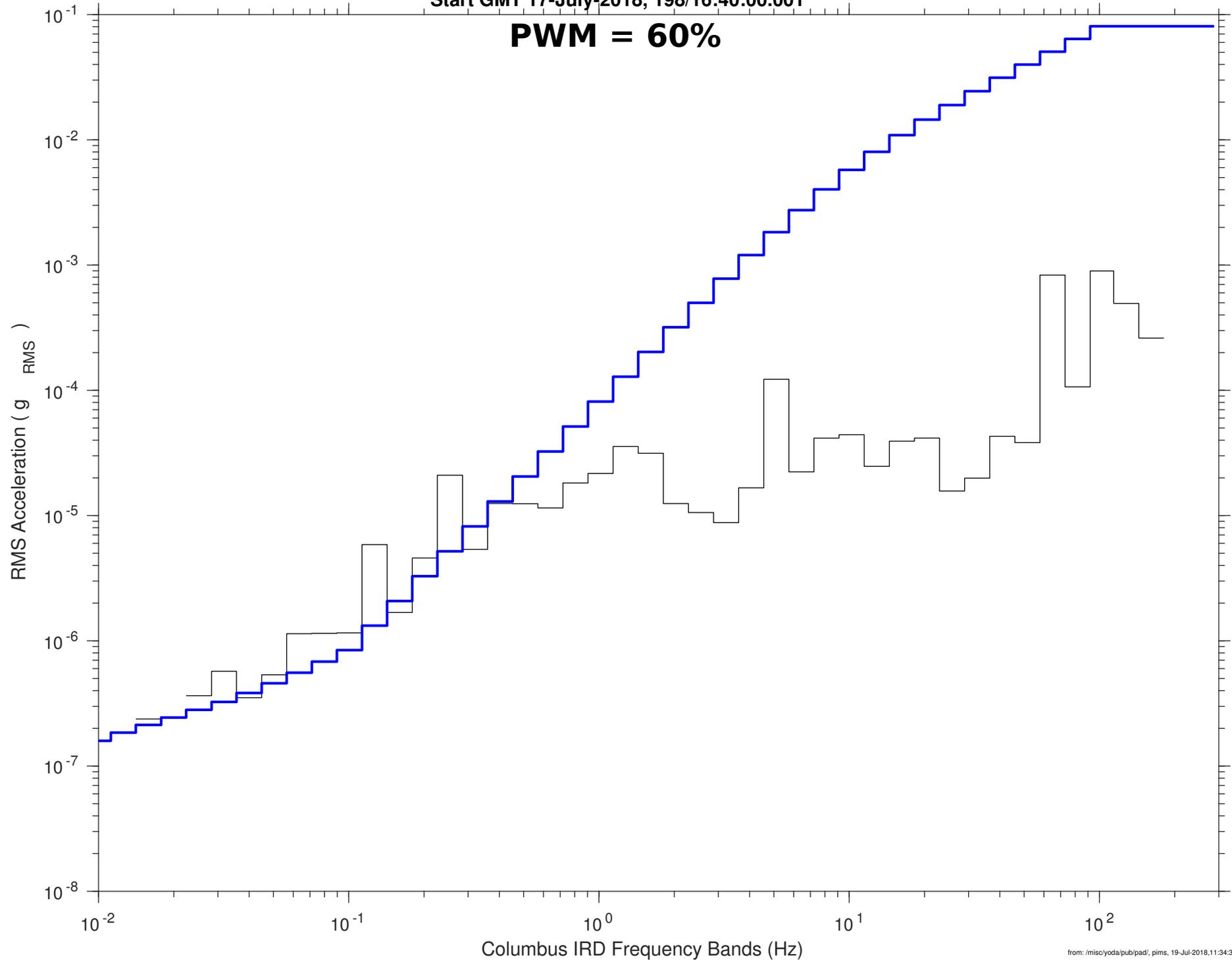
**PWM = 80%**



Start GMT 17-July-2018, 198/16:00:00.001

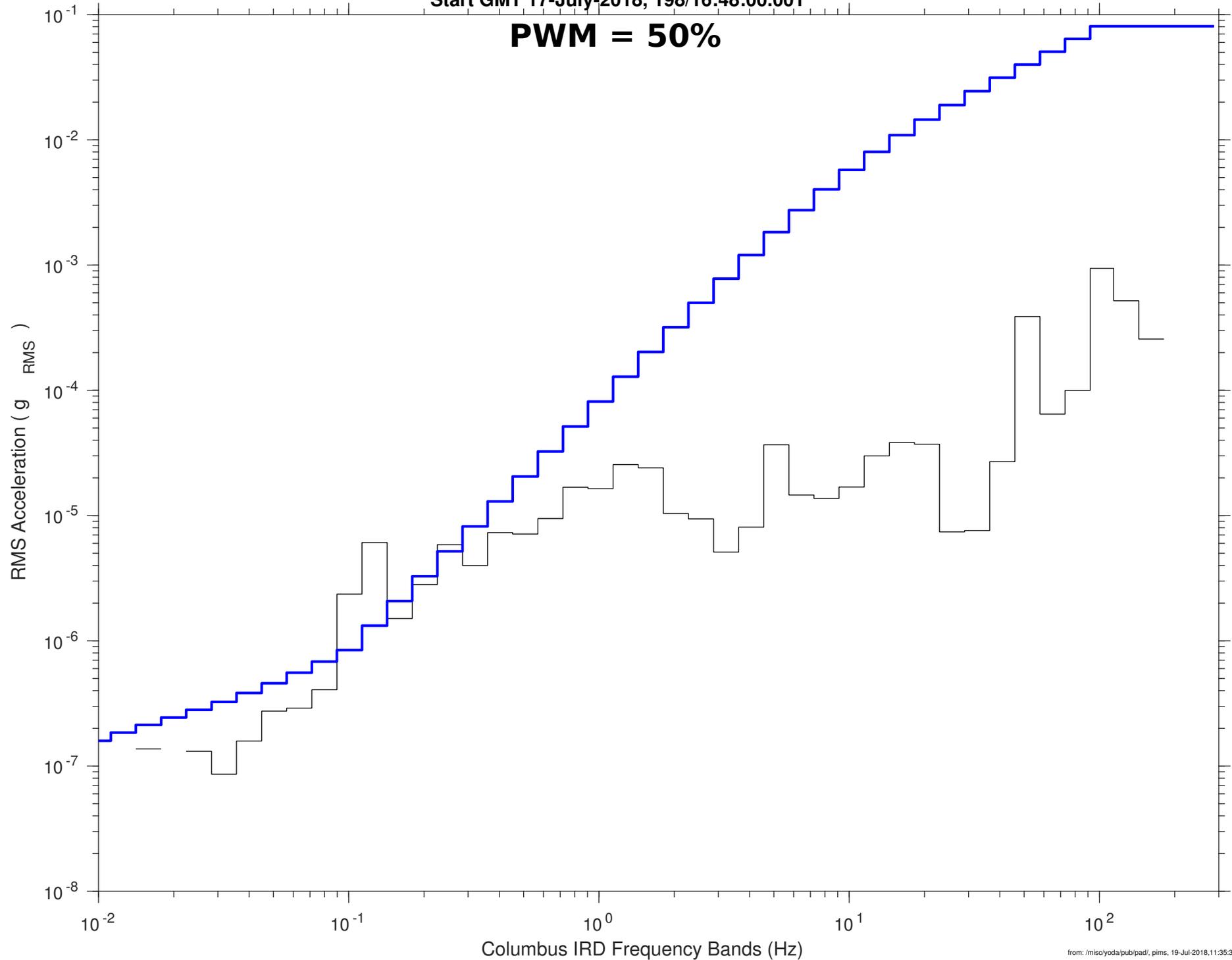


Start GMT 17-July-2018, 198/16:40:00.001



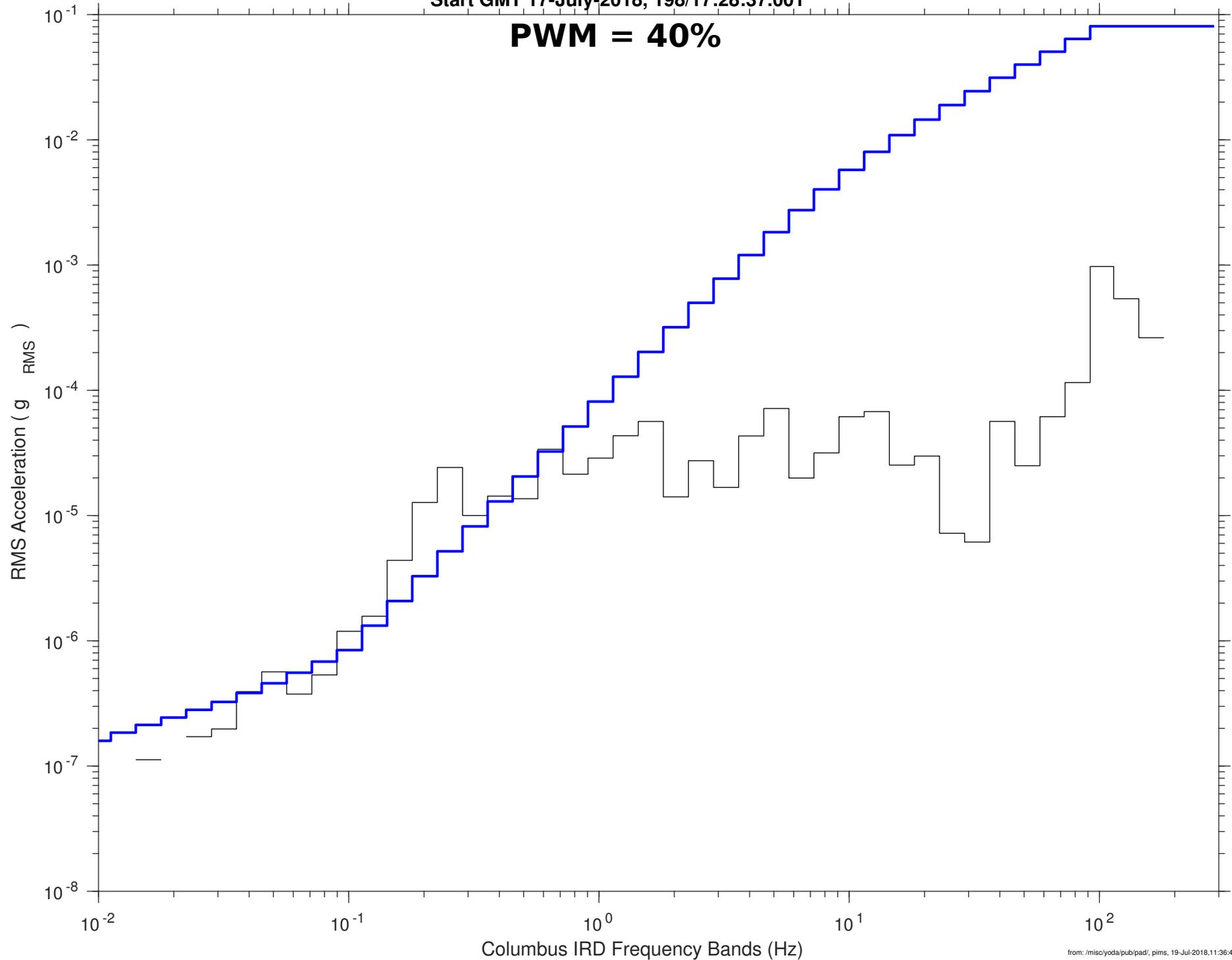
Start GMT 17-July-2018, 198/16:48:00.001

**PWM = 50%**



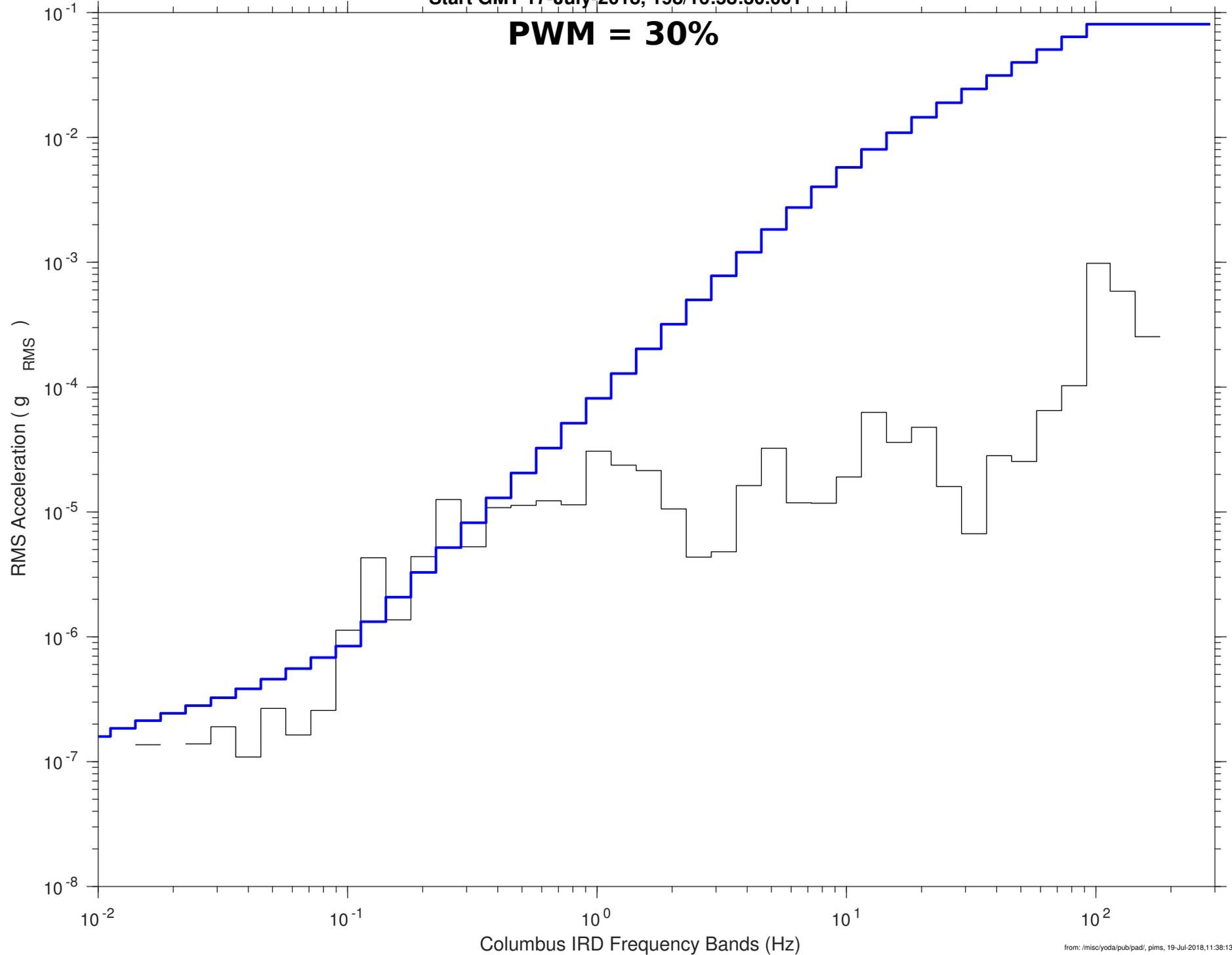
Start GMT 17-July-2018, 198/17:28:37.001

**PWM = 40%**



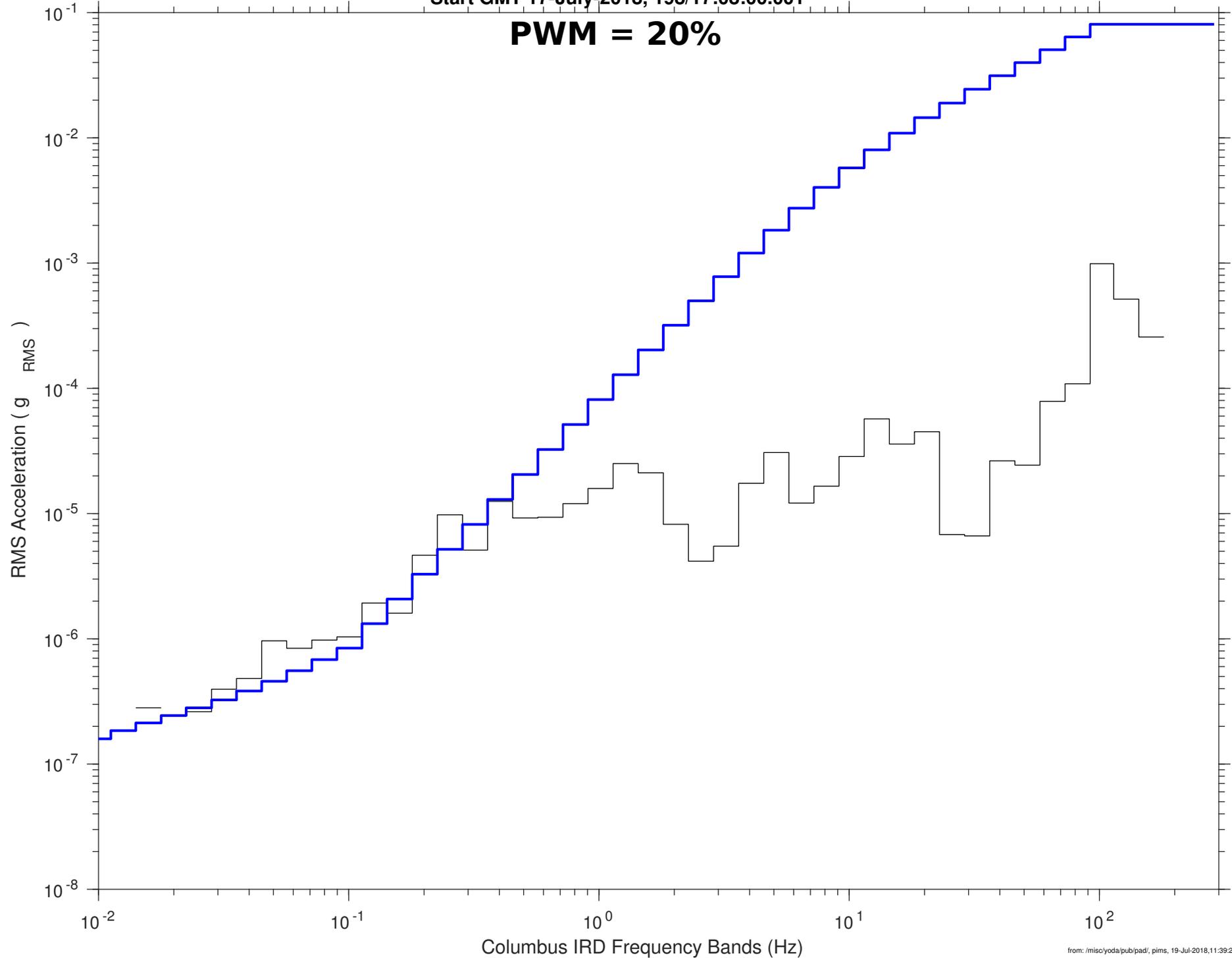
Start GMT 17-July-2018, 198/16:58:30.001

**PWM = 30%**



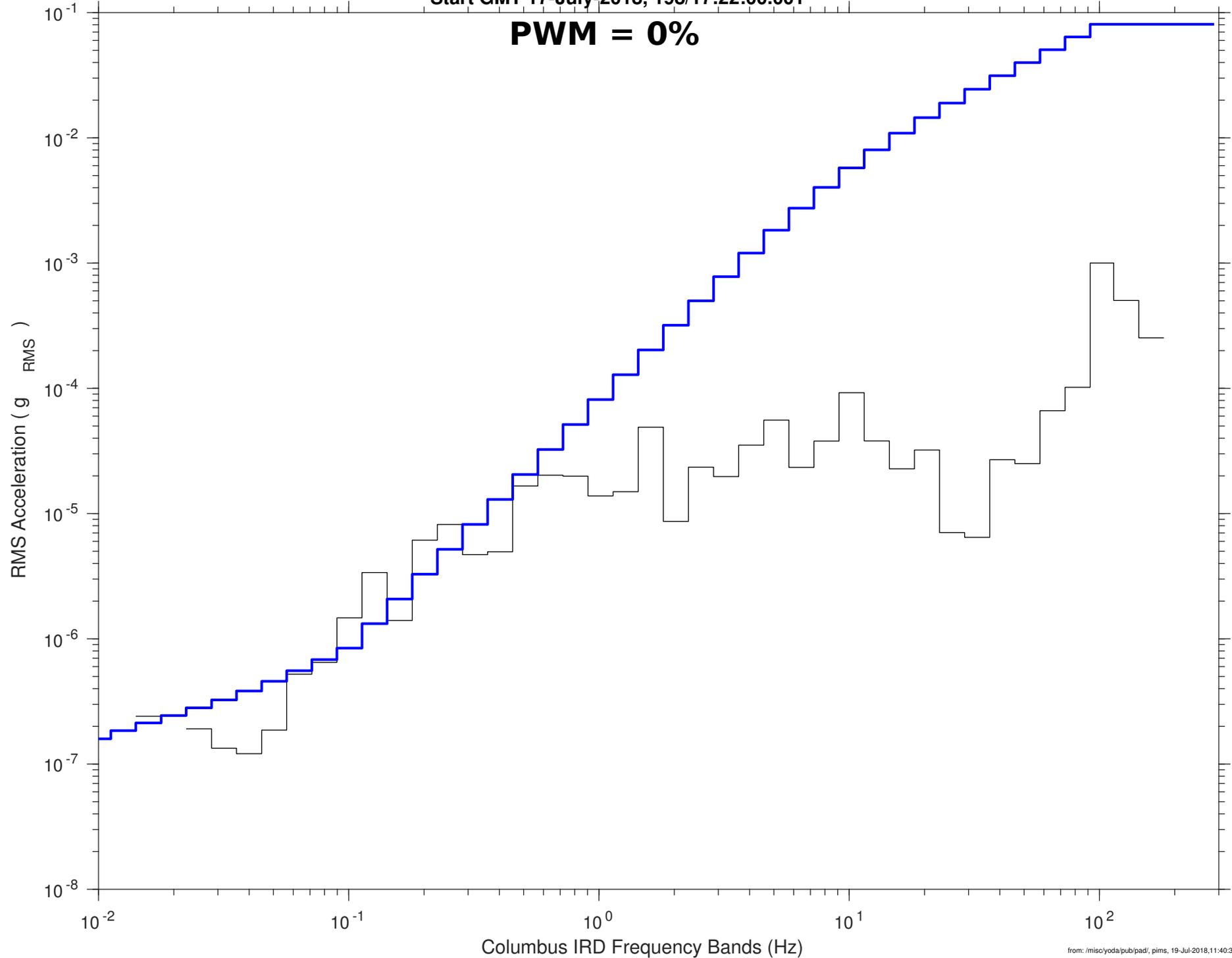
Start GMT 17-July-2018, 198/17:08:00.001

**PWM = 20%**

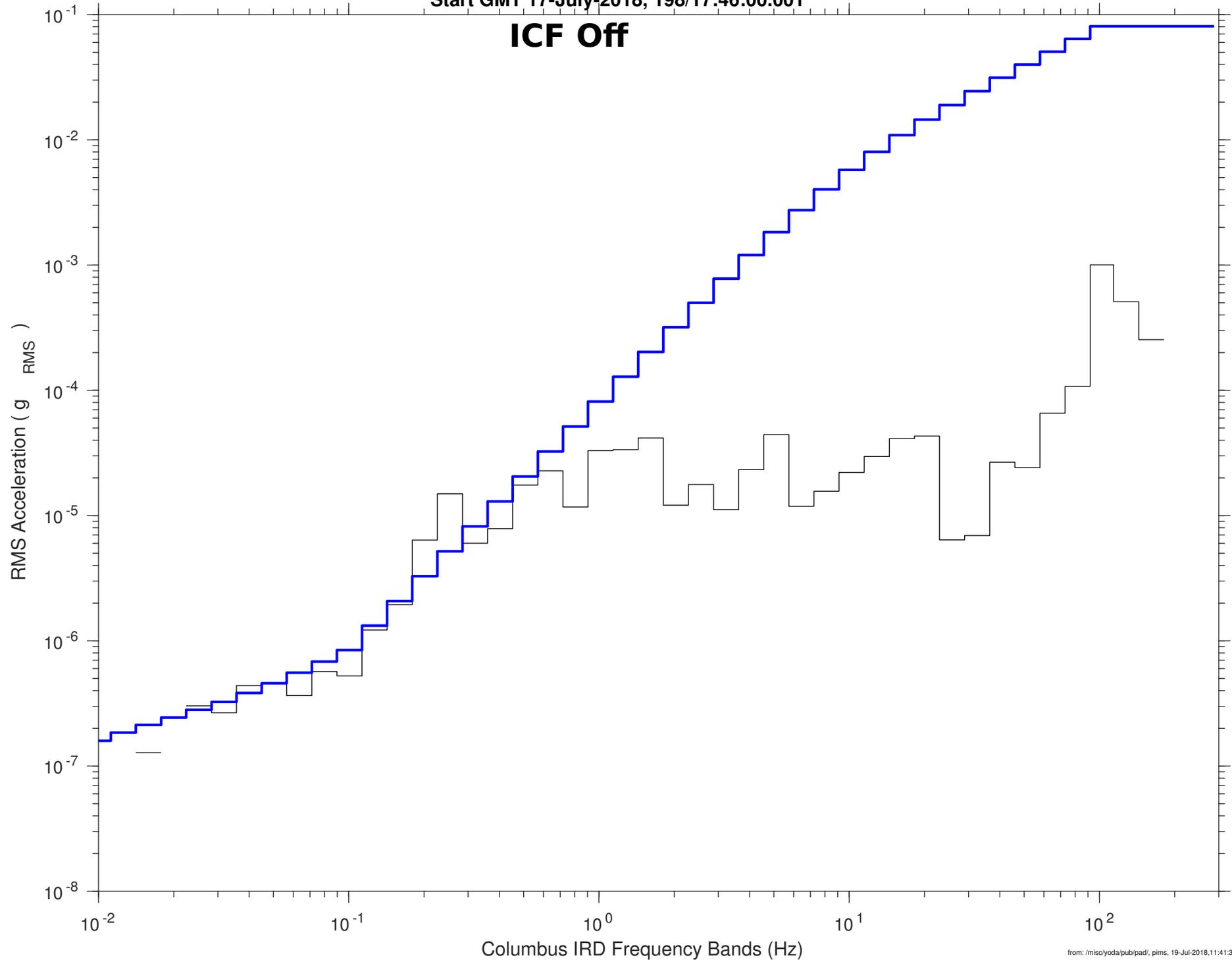


Start GMT 17-July-2018, 198/17:22:00.001

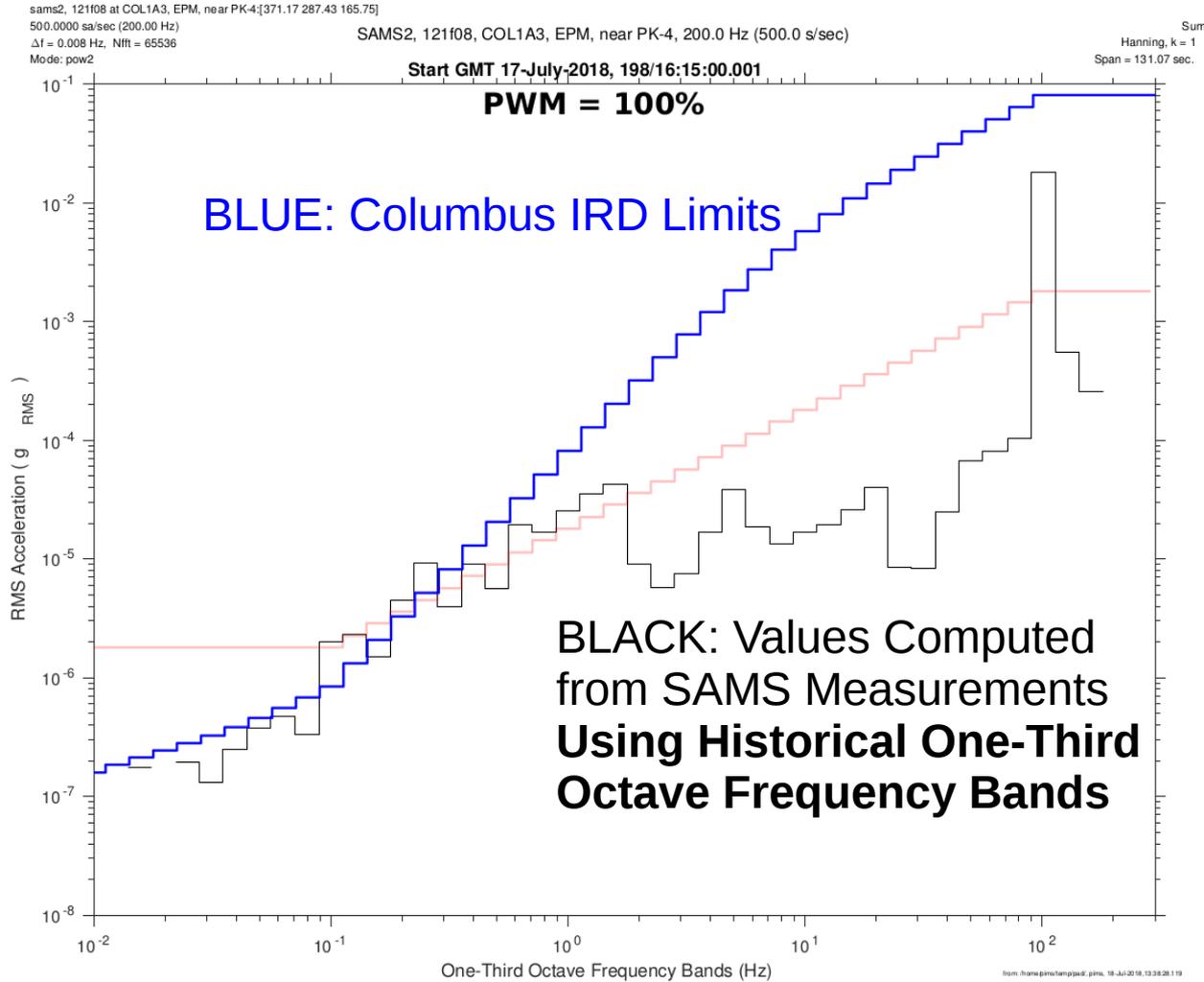
**PWM = 0%**



Start GMT 17-July-2018, 198/17:46:00.001

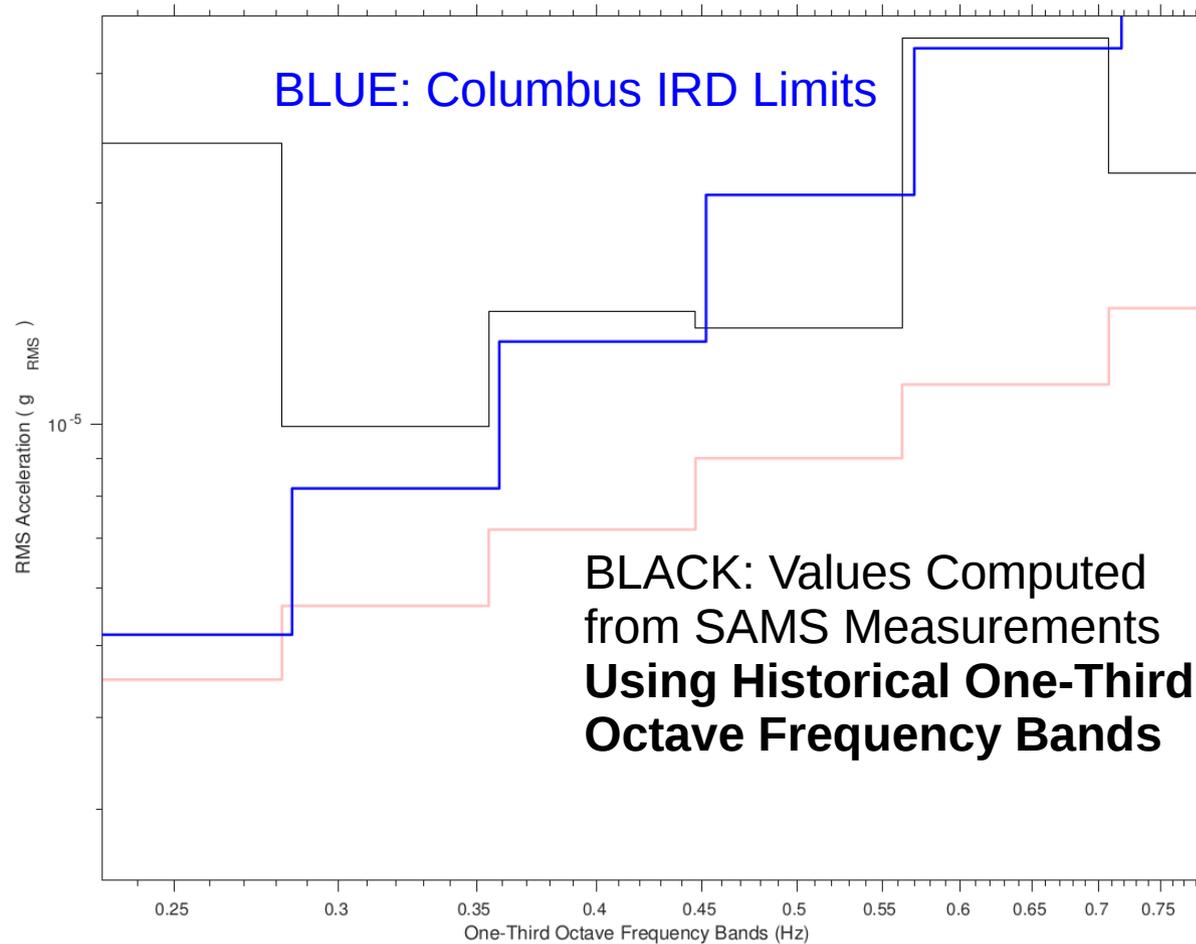


# ISS Microgravity Control Plan One-Third Octave Columbus IRD Microgravity Limits Comparison Legend for the Remaining Slides



PALE RED: One-Third Octave Frequency Bands and Acceleration Limits taken from "Microgravity Control Plan" -- January 21, 1994

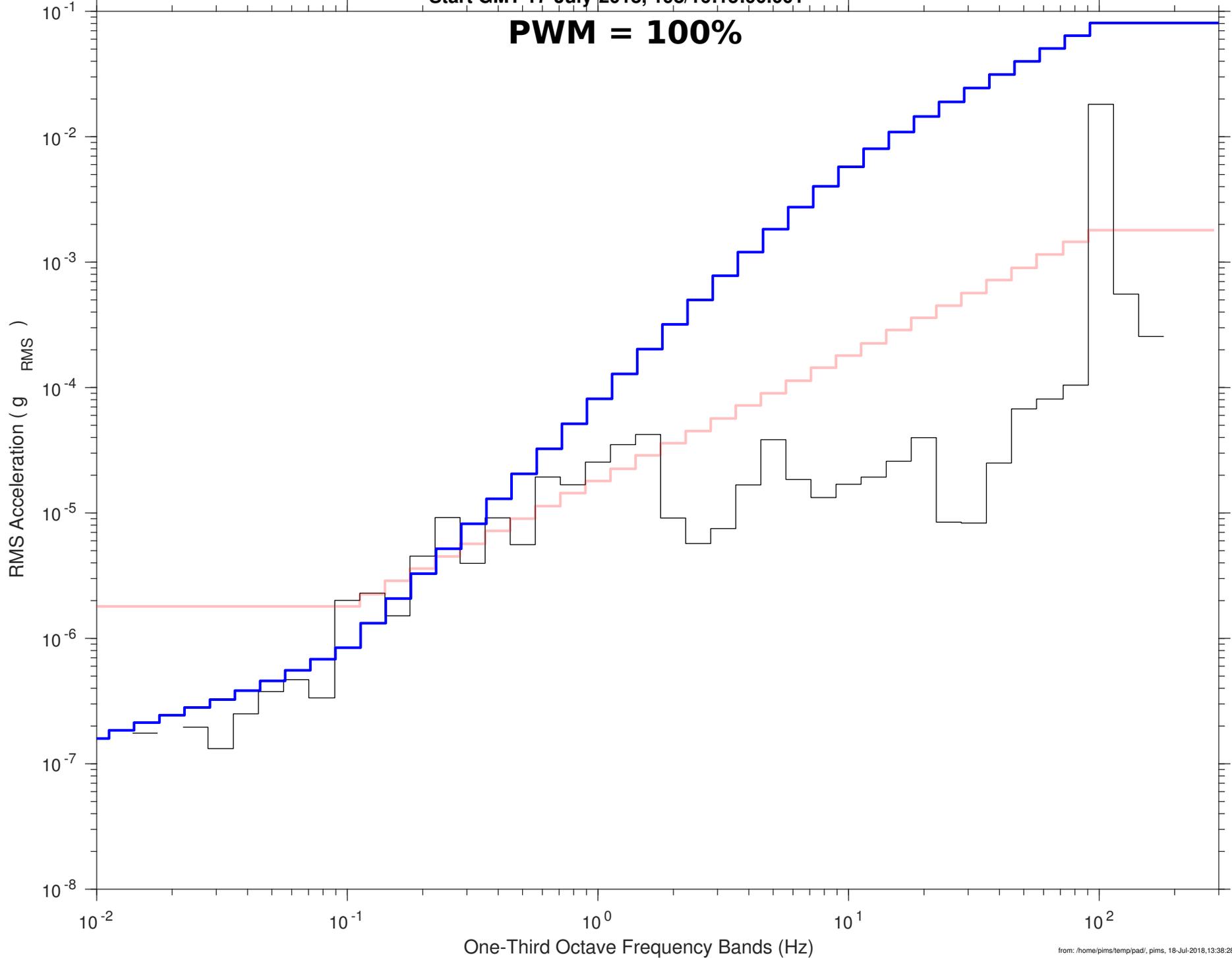
# ISS Microgravity Control Plan One-Third Octave Columbus IRD Microgravity Limits Comparison **ZOOM-IN to Show An Example of Frequency Band Discrepancy**



PALE RED: One-Third Octave Frequency Bands and Acceleration Limits taken from "Microgravity Control Plan" -- January 21, 1994

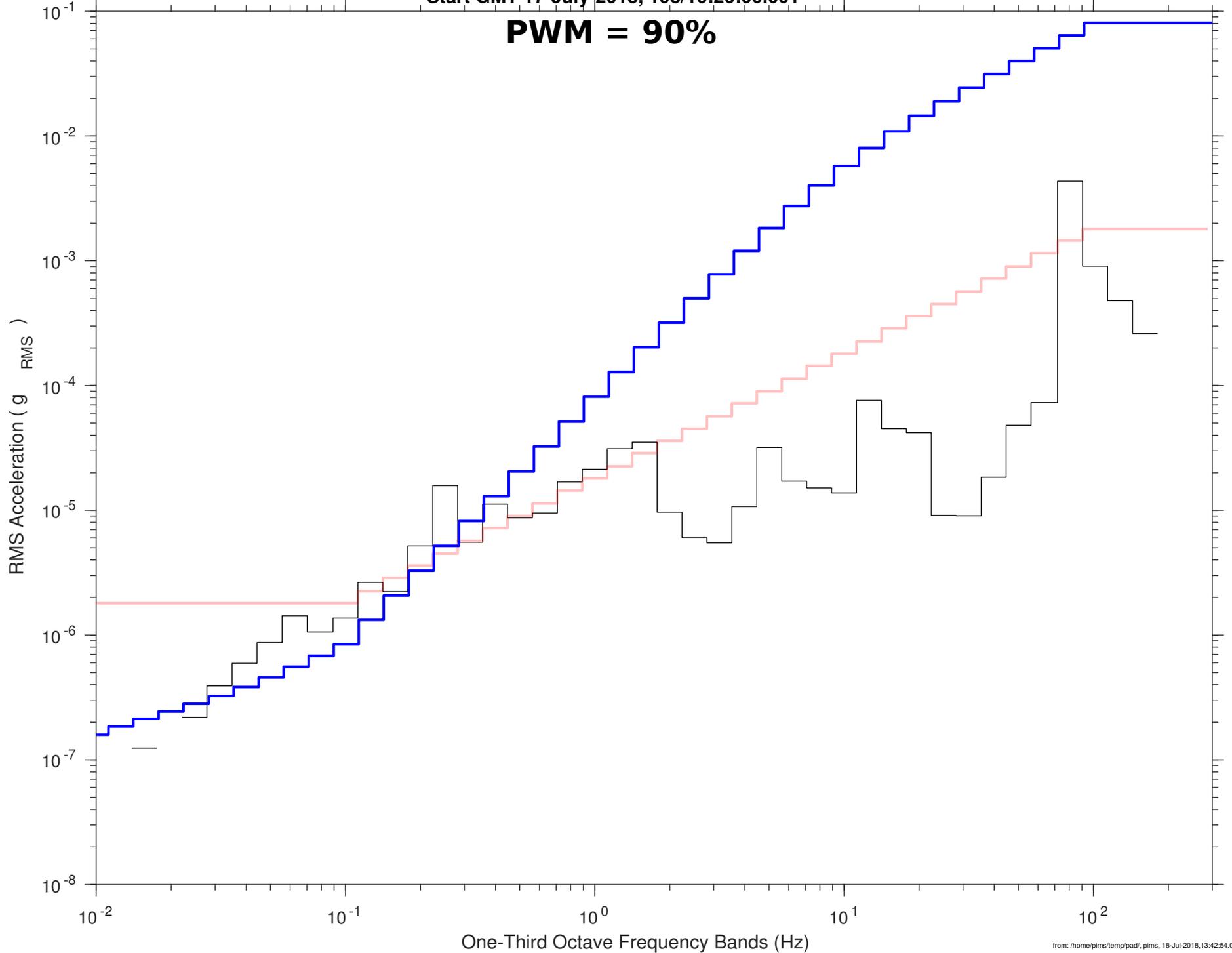
Start GMT 17-July-2018, 198/16:15:00.001

**PWM = 100%**



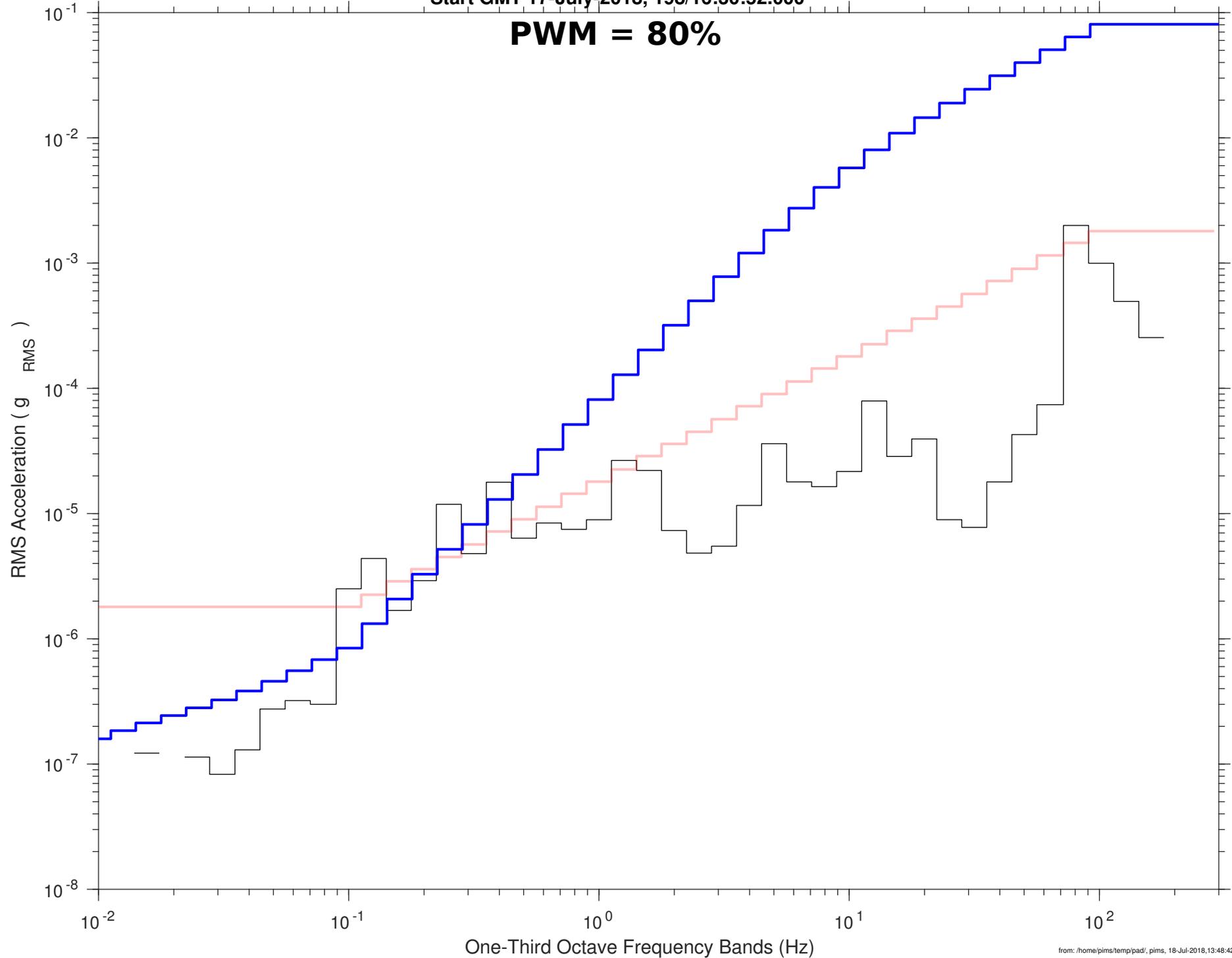
Start GMT 17-July-2018, 198/16:26:00.001

**PWM = 90%**



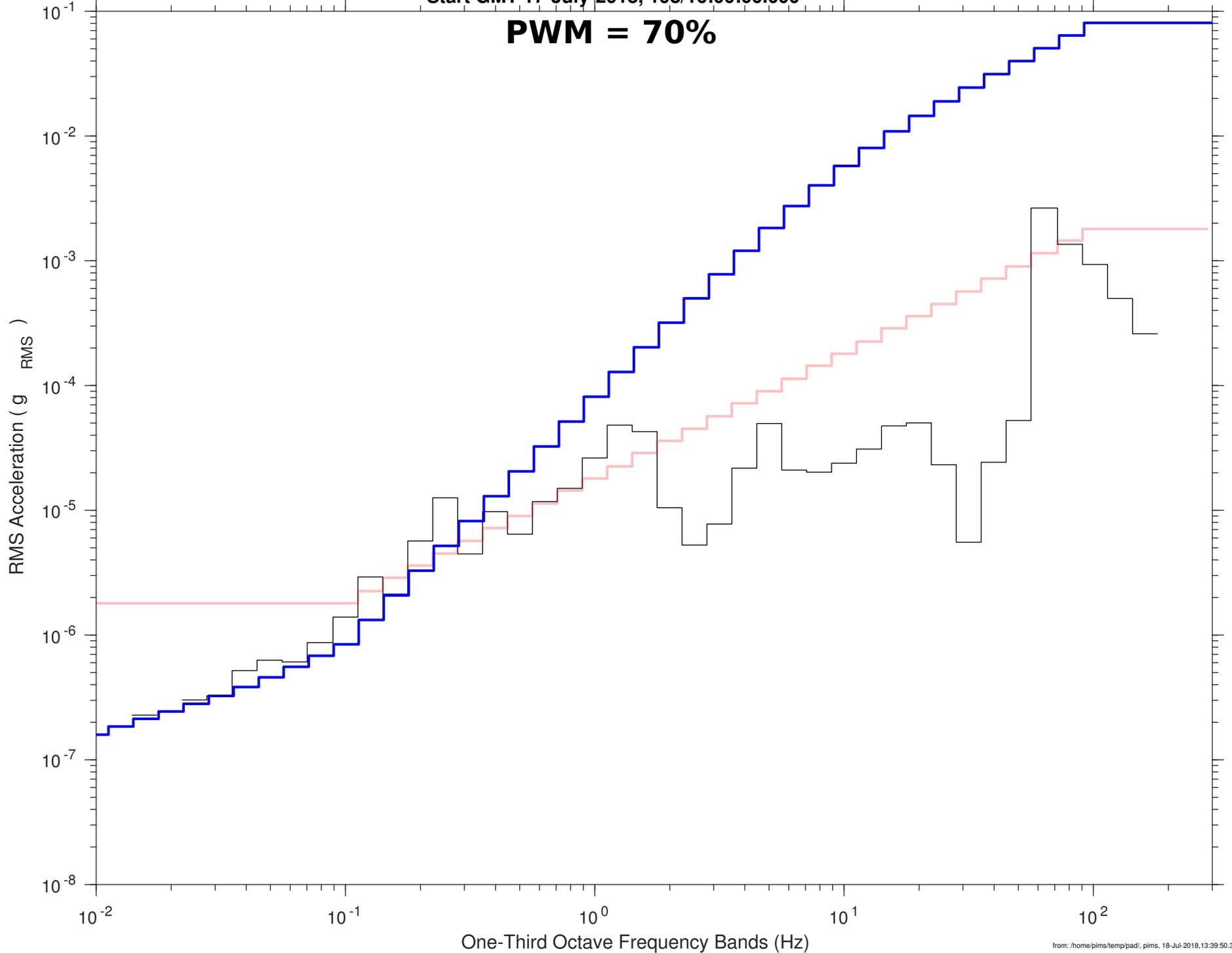
Start GMT 17-July-2018, 198/16:30:52.000

**PWM = 80%**



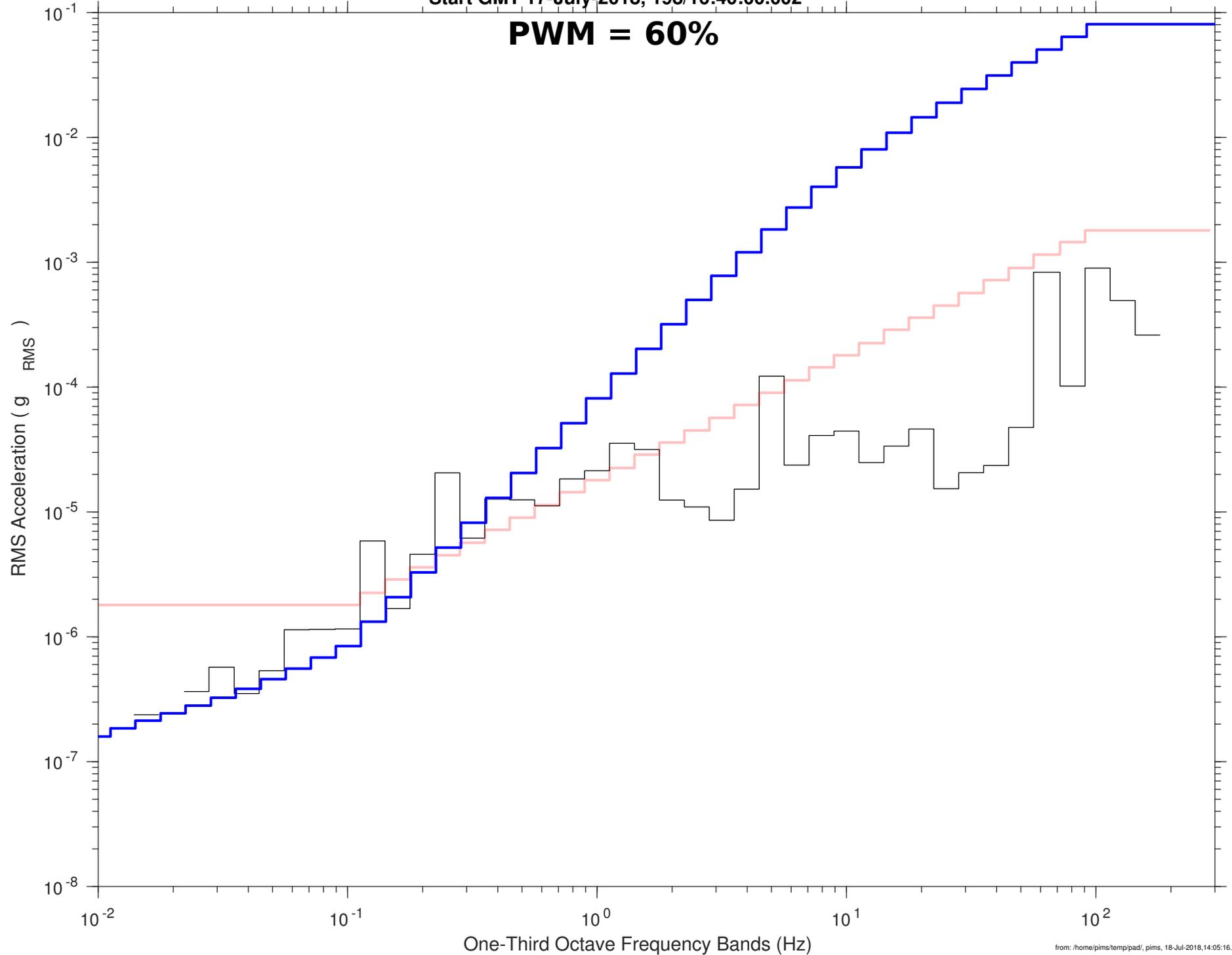
Start GMT 17-July-2018, 198/16:00:00.000

**PWM = 70%**



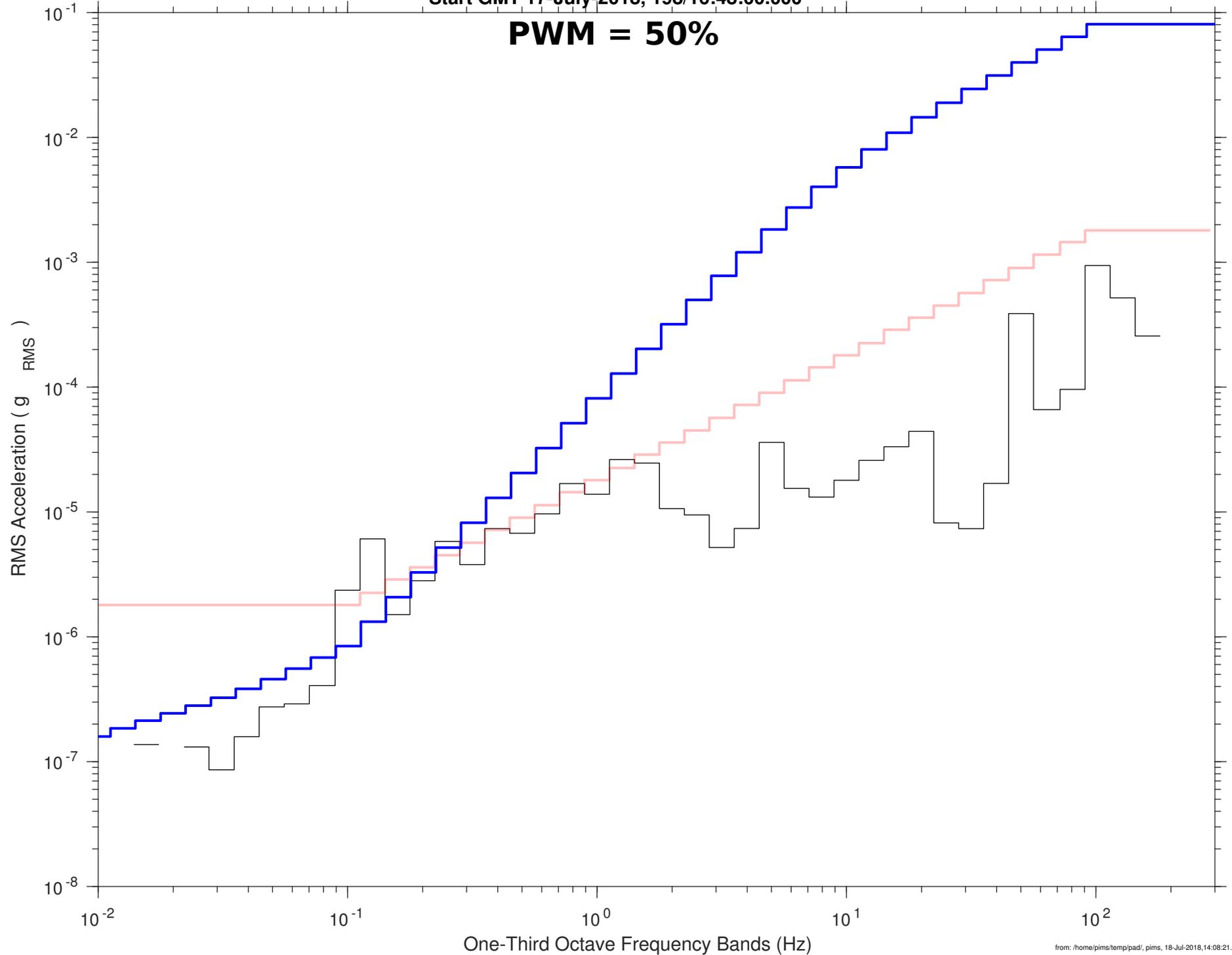
Start GMT 17-July-2018, 198/16:40:00.002

**PWM = 60%**



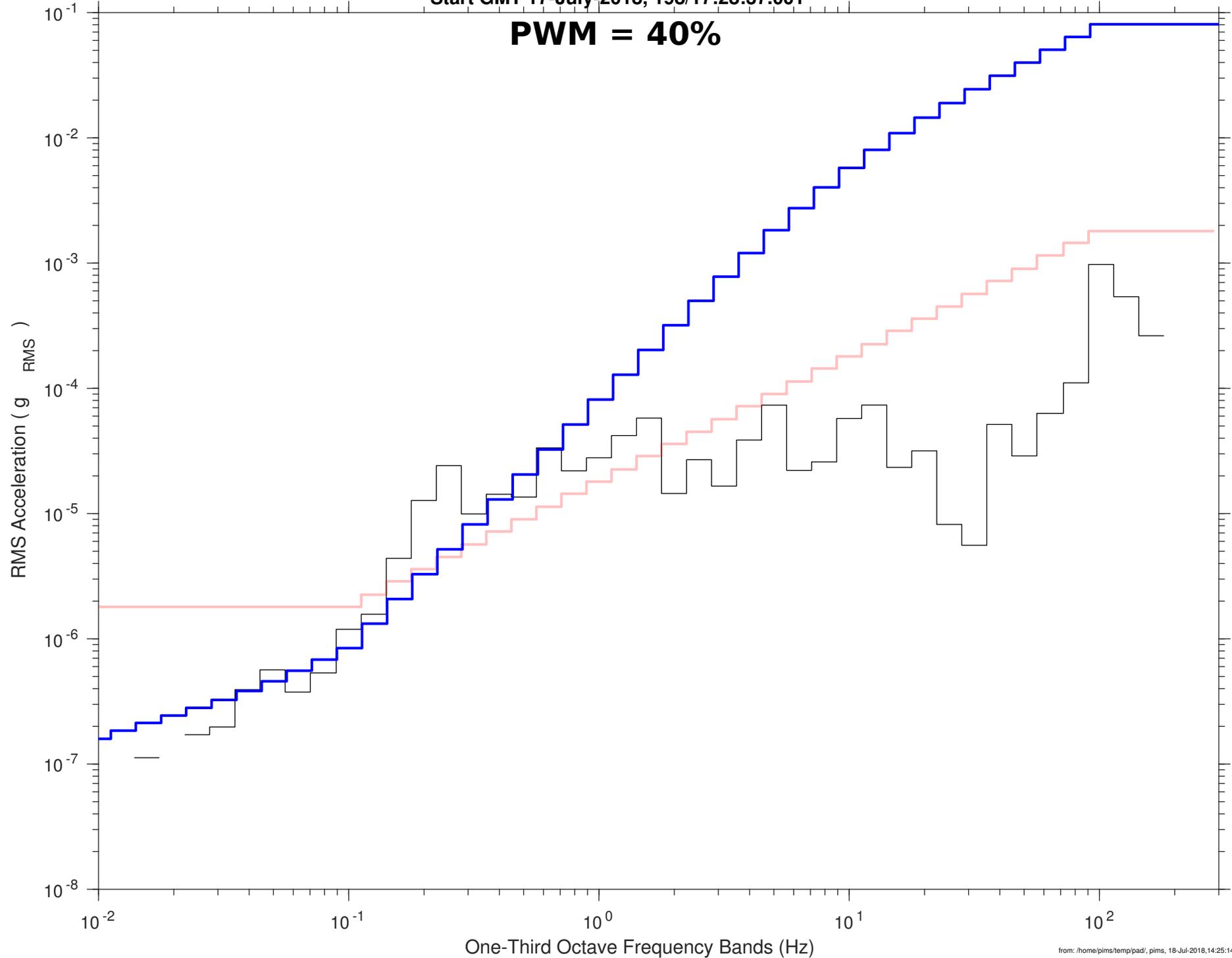
Start GMT 17-July-2018, 198/16:48:00.000

**PWM = 50%**



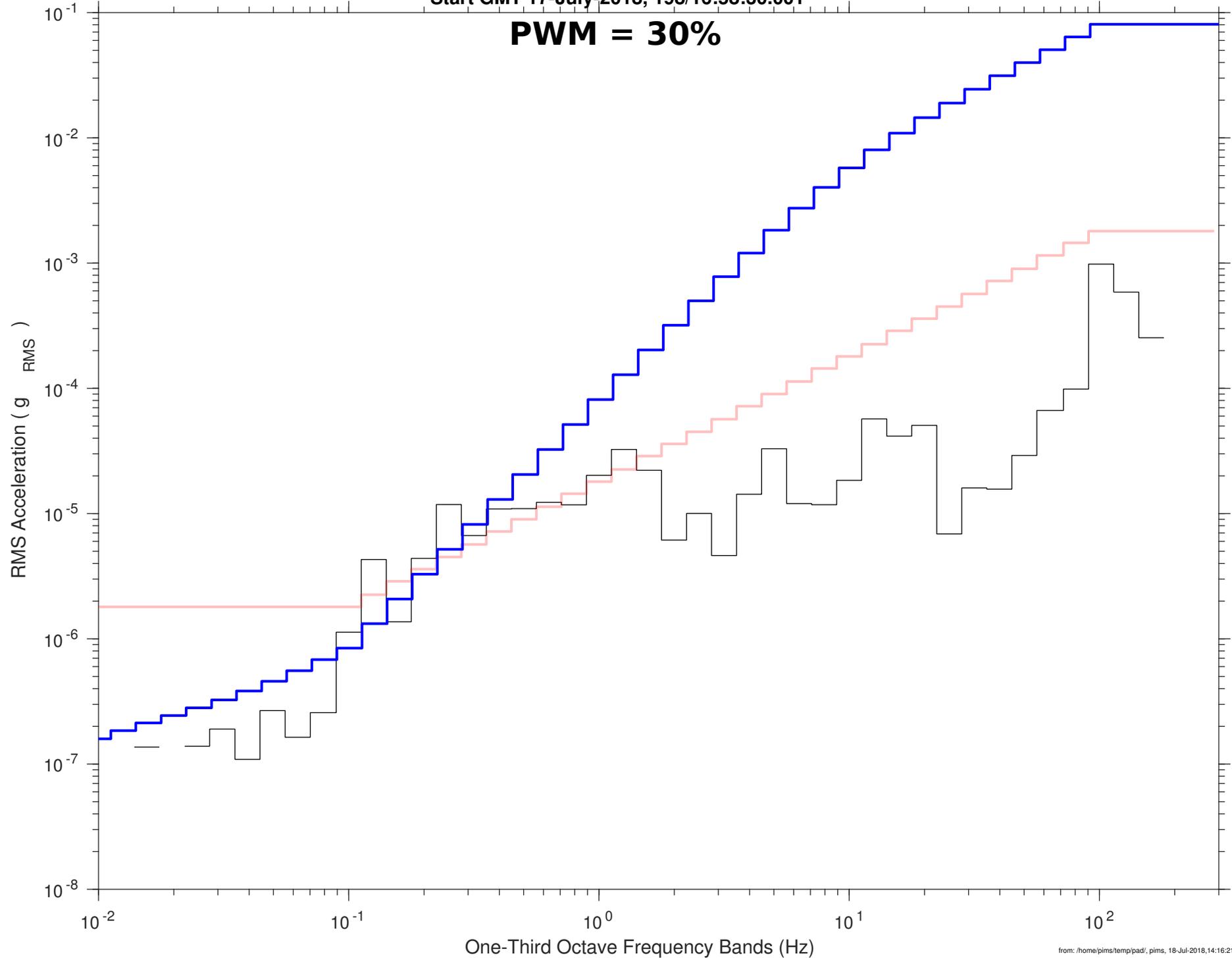
Start GMT 17-July-2018, 198/17:28:37.001

**PWM = 40%**

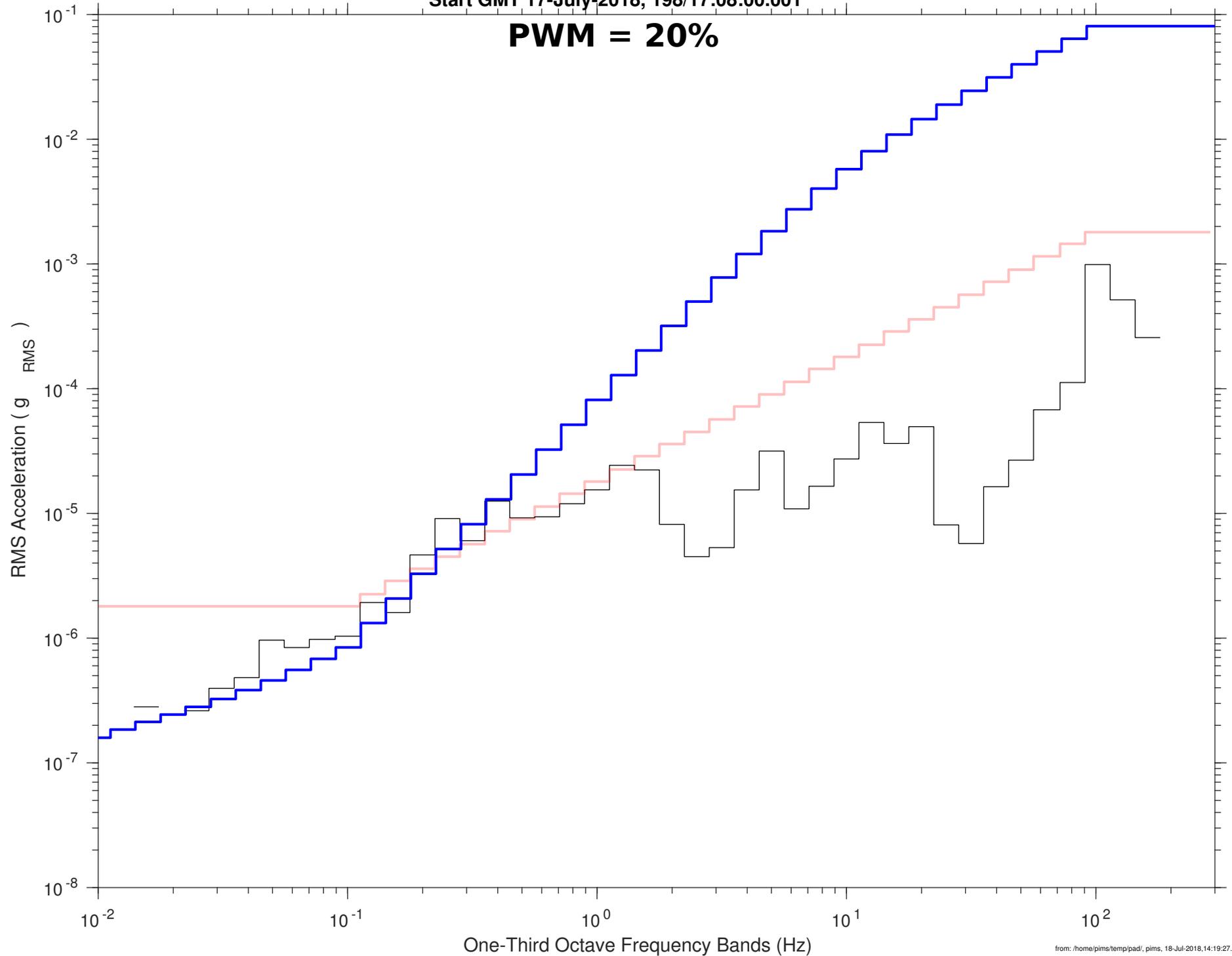


Start GMT 17-July-2018, 198/16:58:30.001

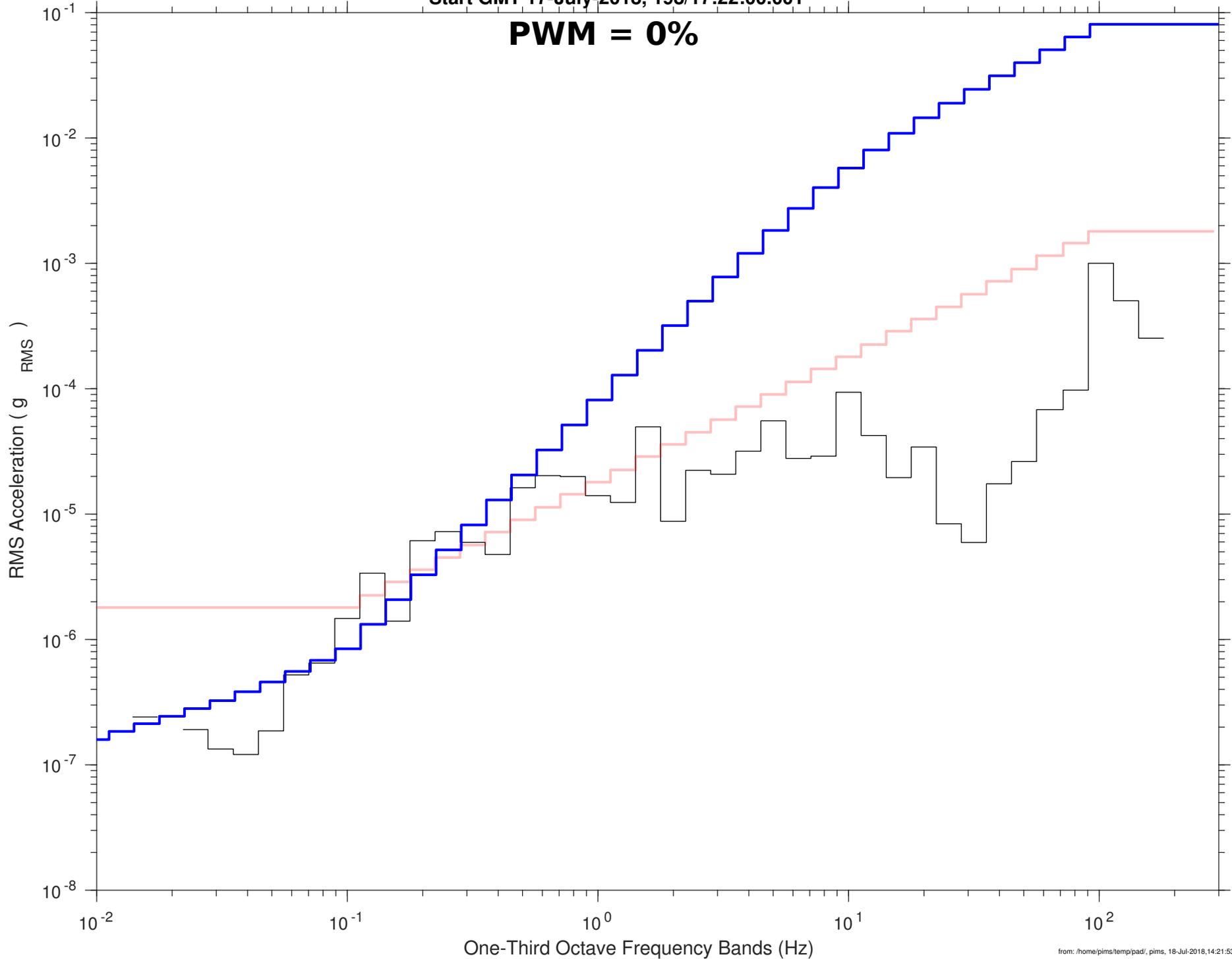
**PWM = 30%**



Start GMT 17-July-2018, 198/17:08:00.001



Start GMT 17-July-2018, 198/17:22:00.001



Start GMT 17-July-2018, 198/17:46:00.001

