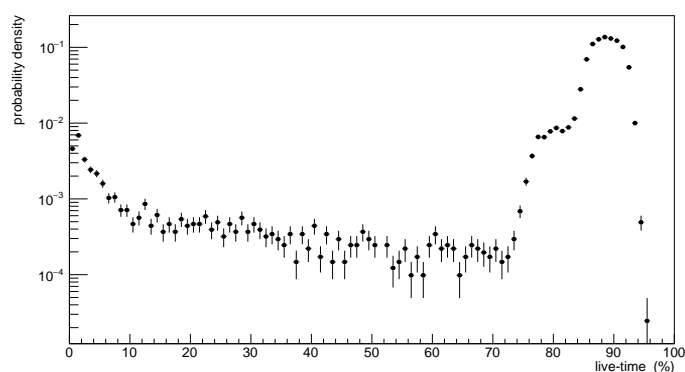
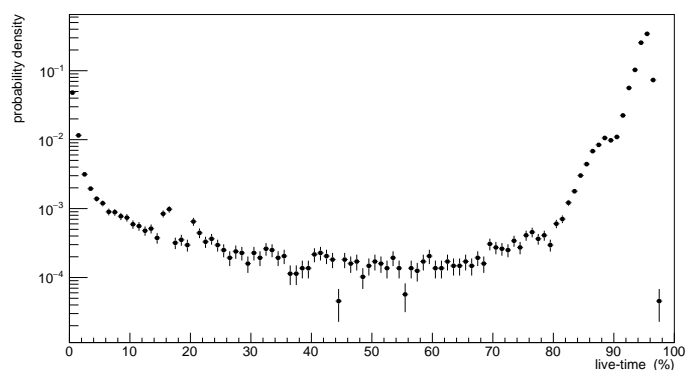
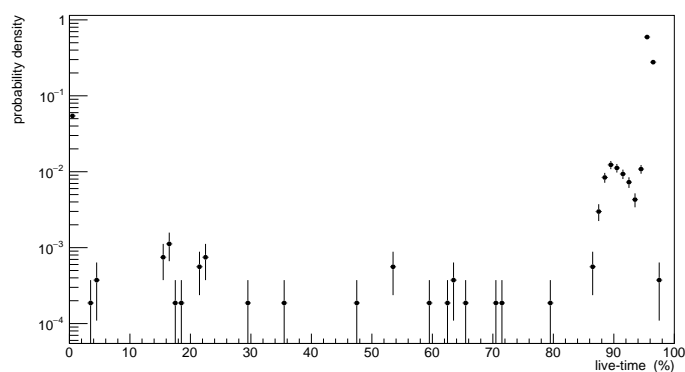
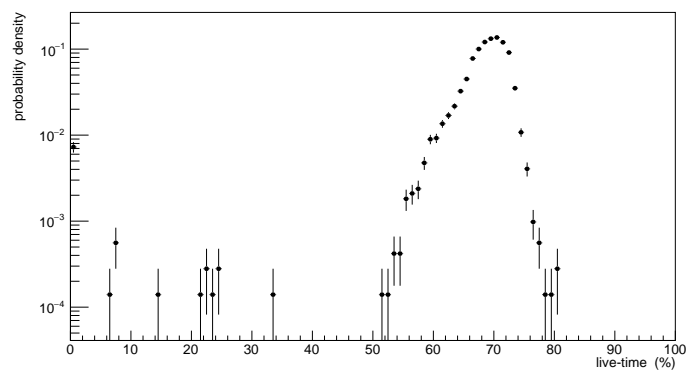
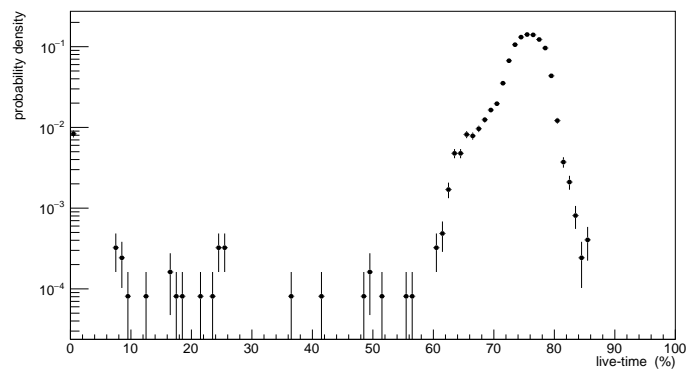
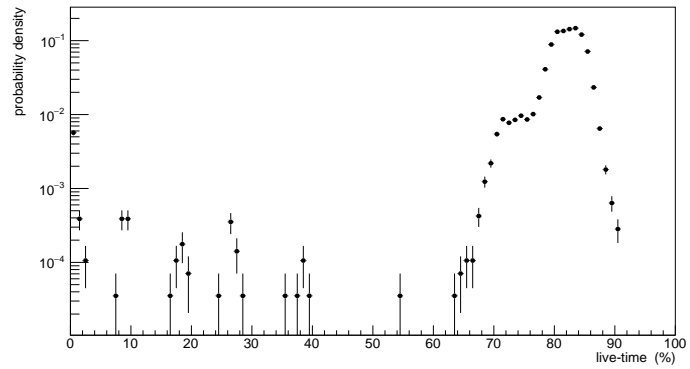
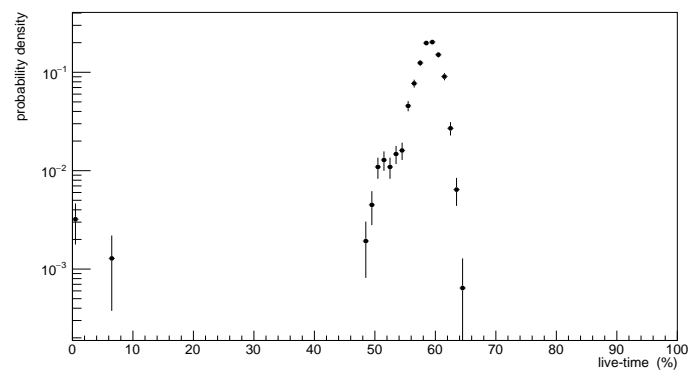
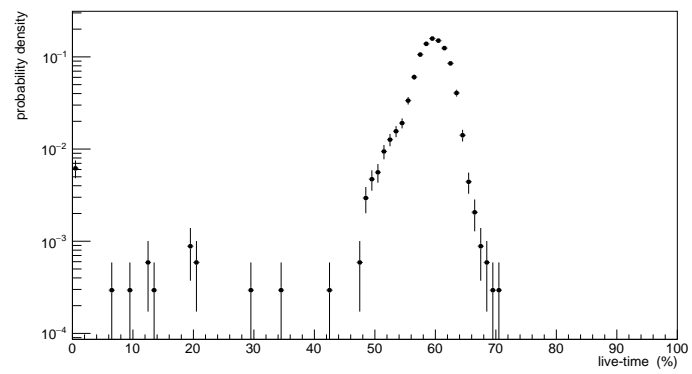
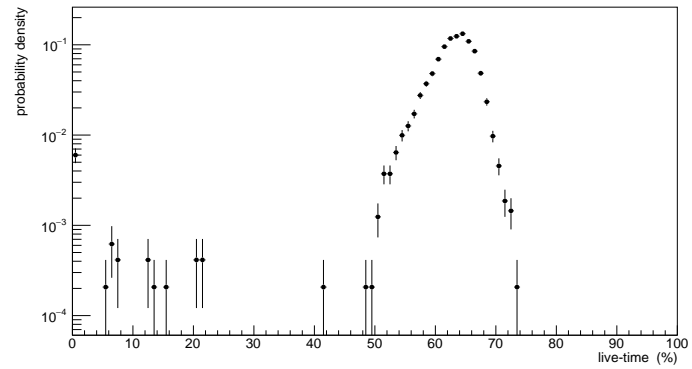


Supplementary Materials: AMS live-time and trigger rate distributions







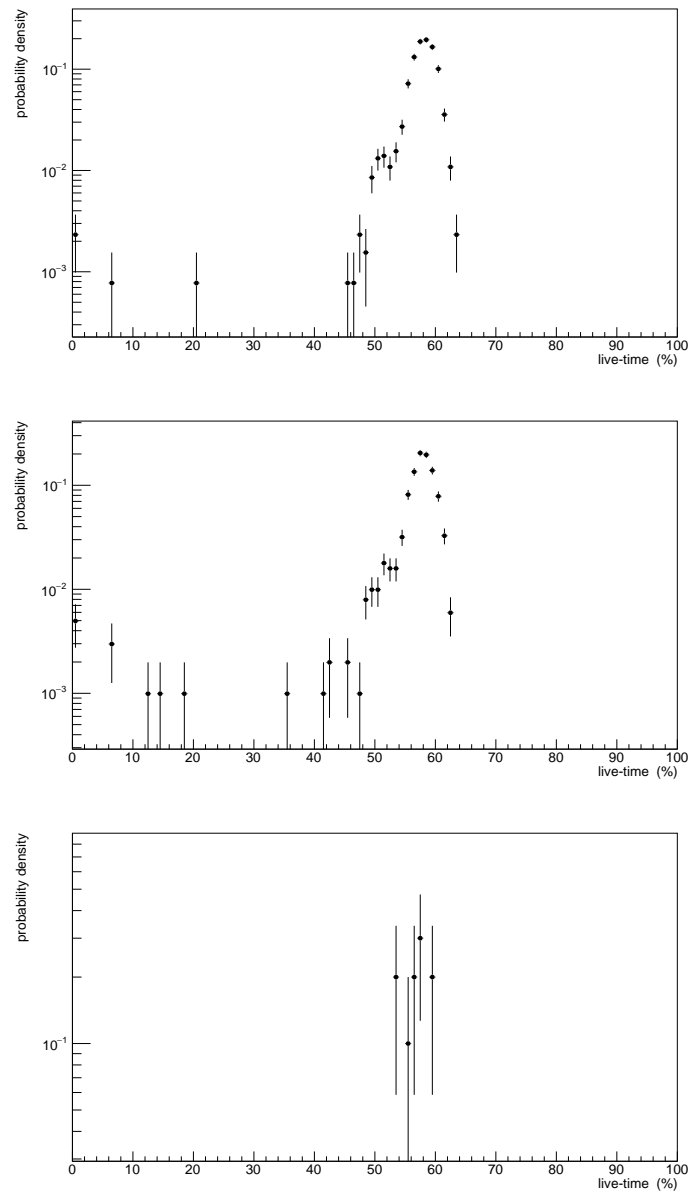
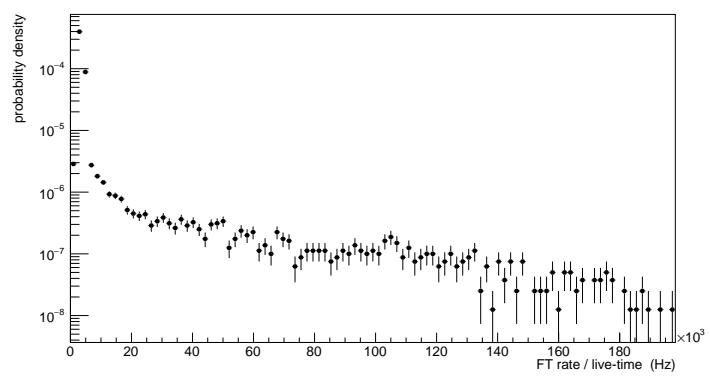
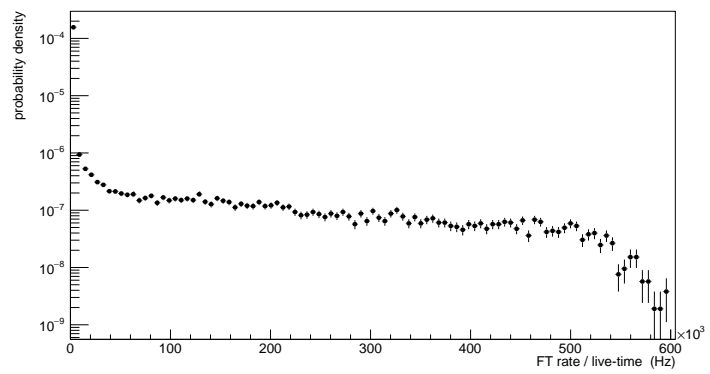
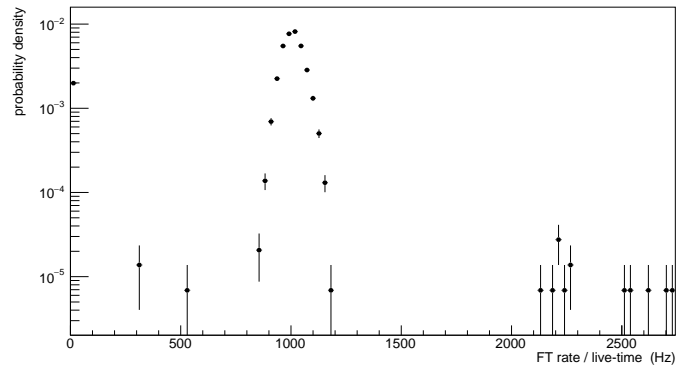
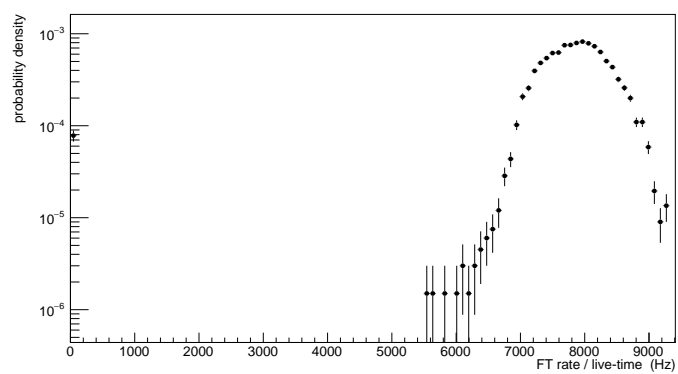
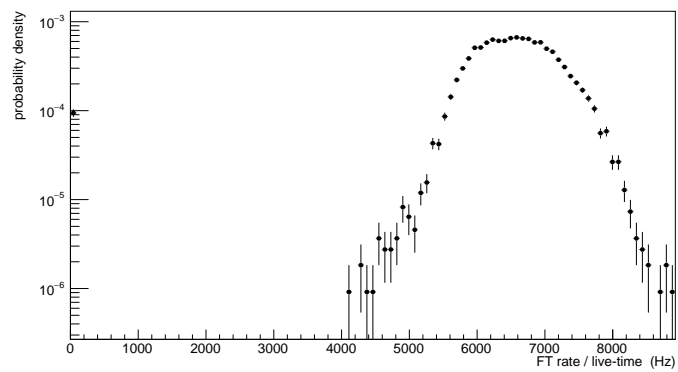
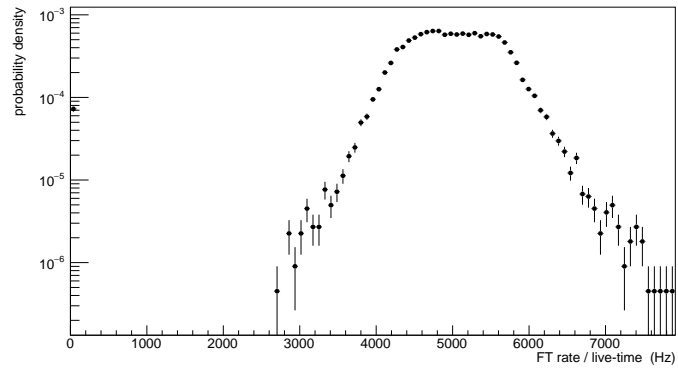
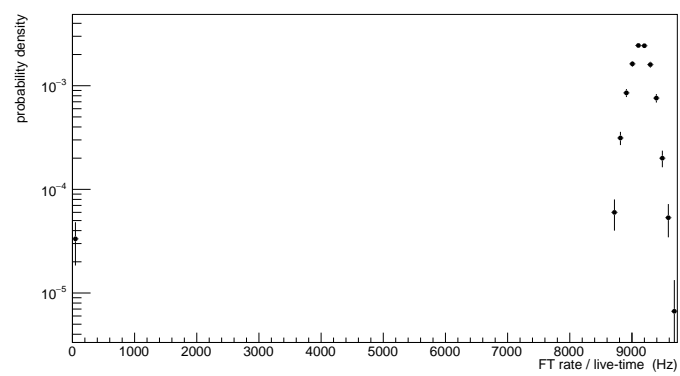
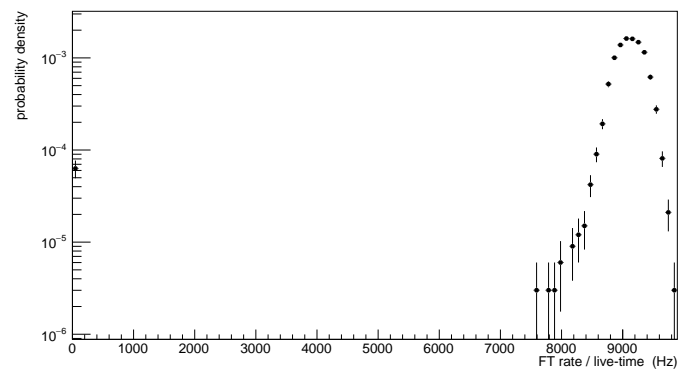
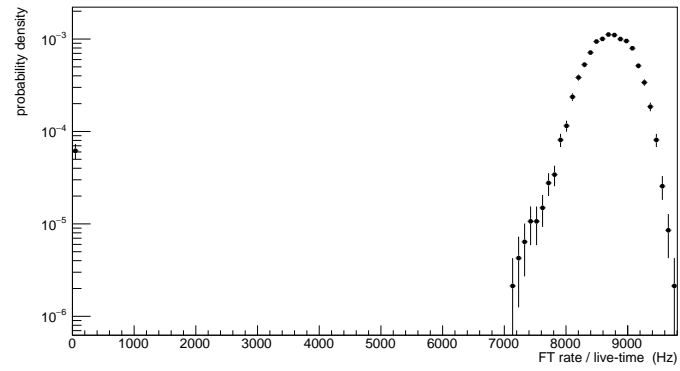


Figure S1. Distributions of AMS-02 live-time of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







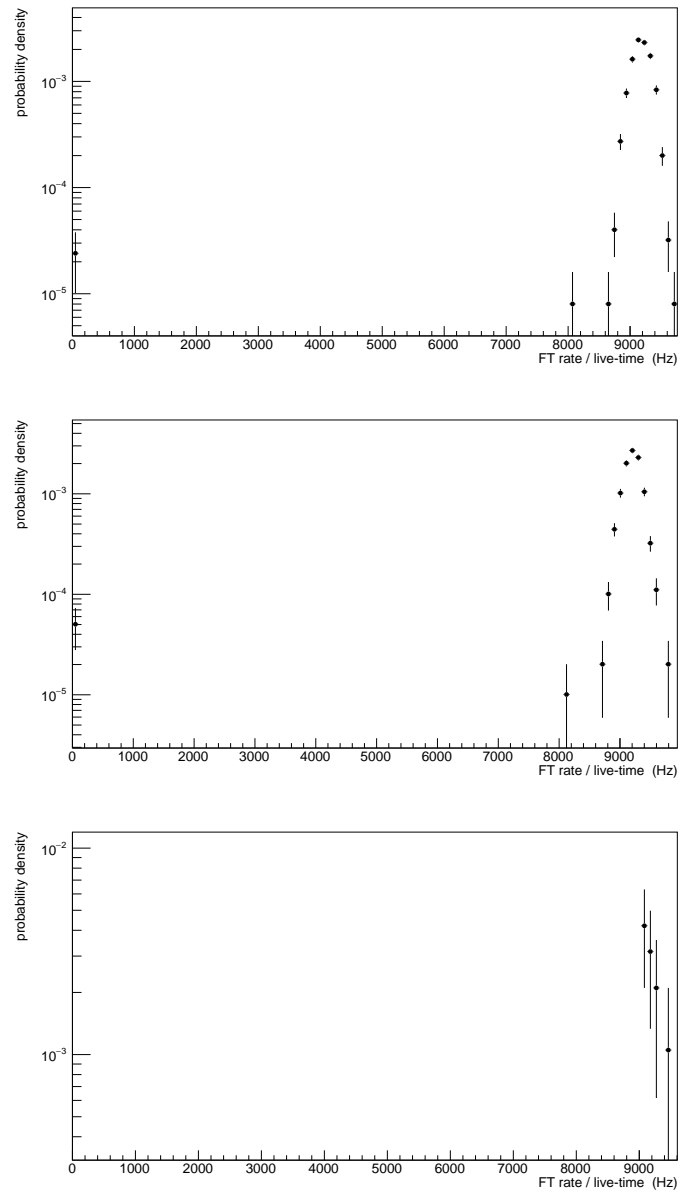
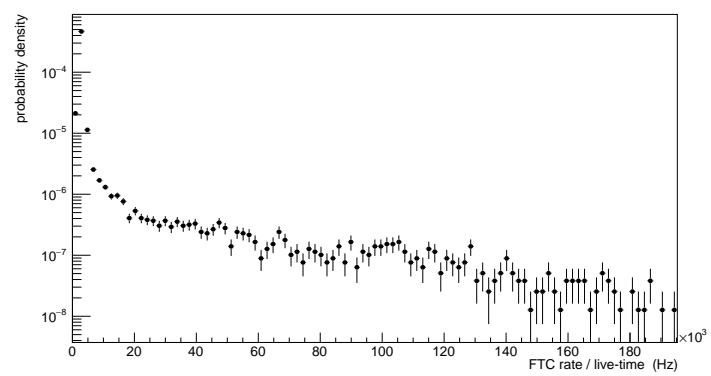
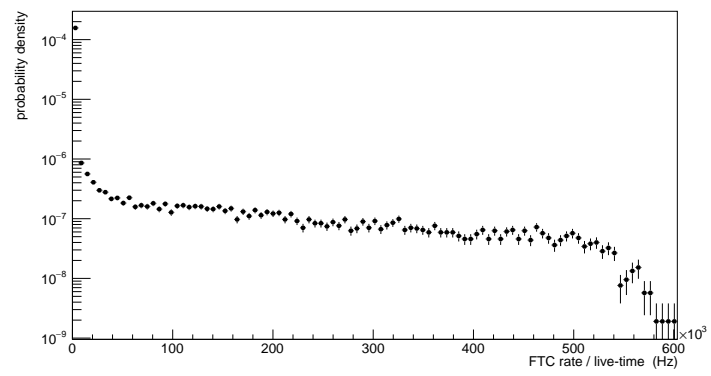
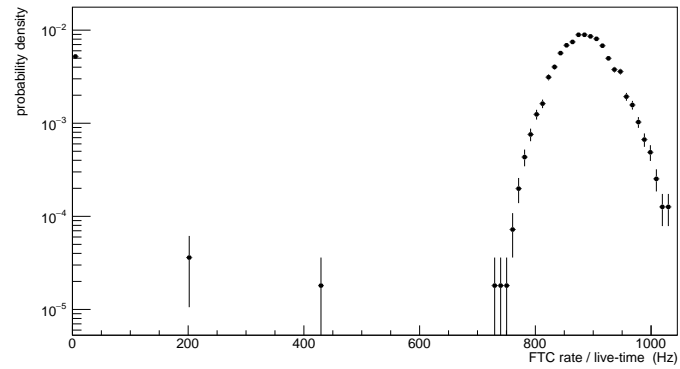
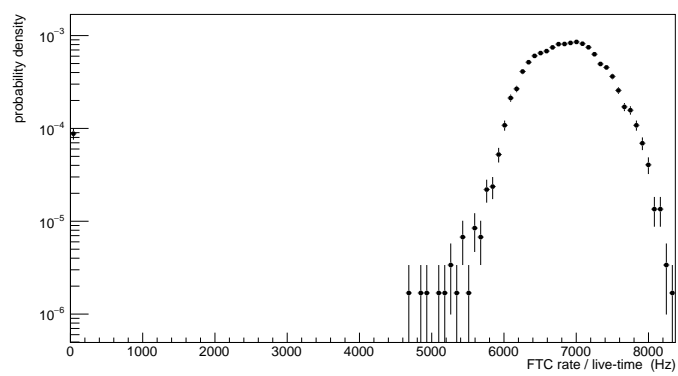
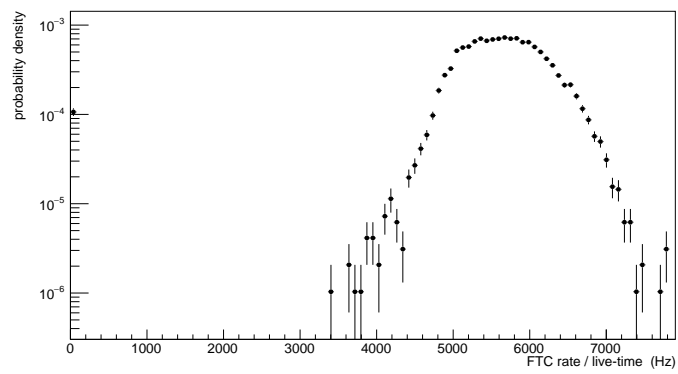
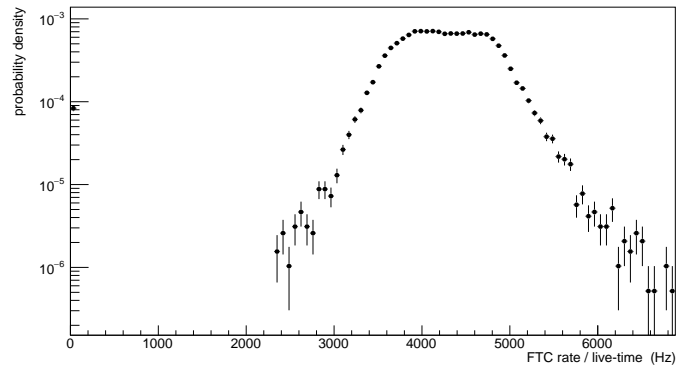
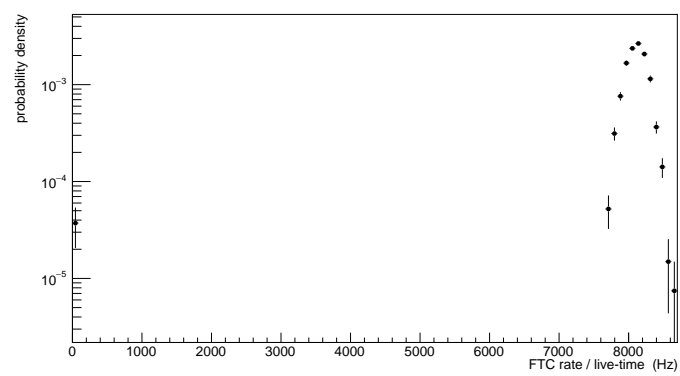
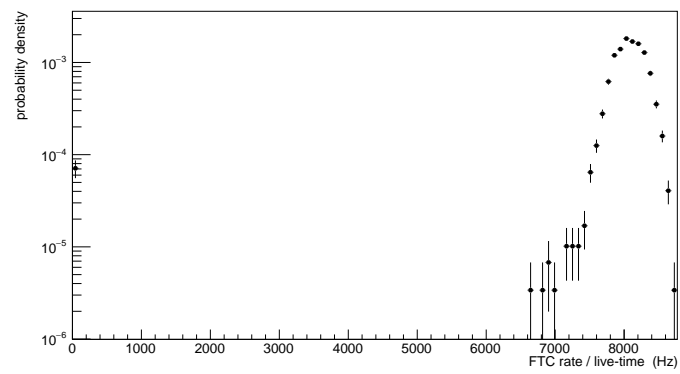
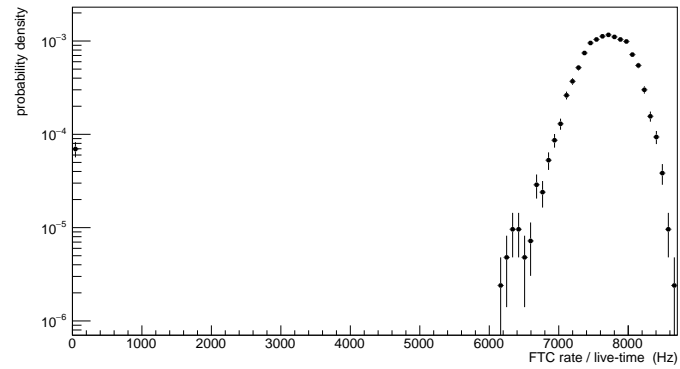


Figure S2. Distributions of AMS-02 trigger rate FT (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







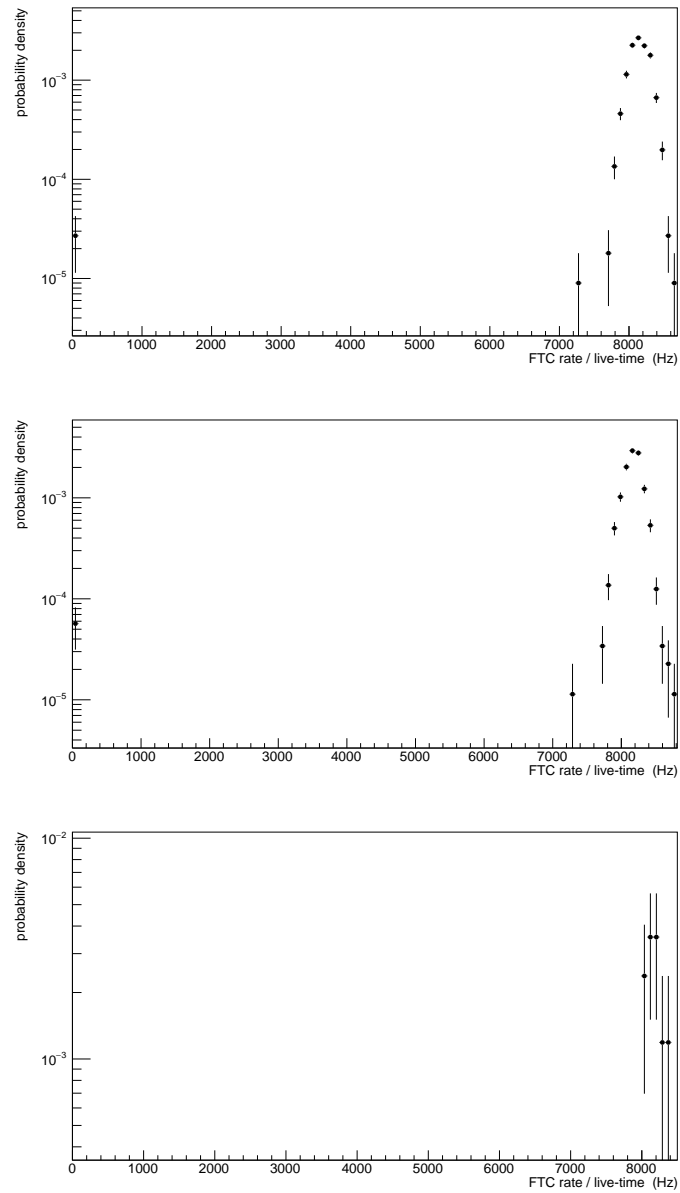
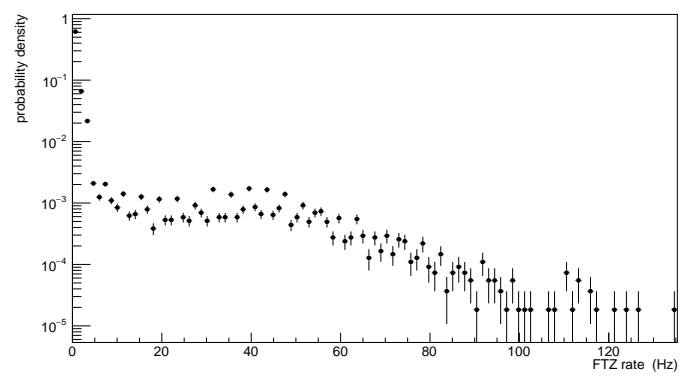
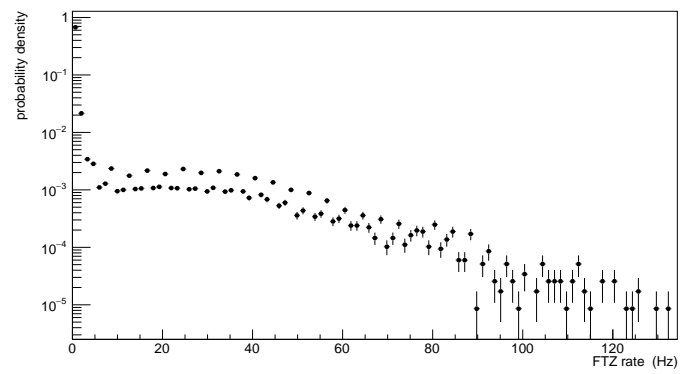
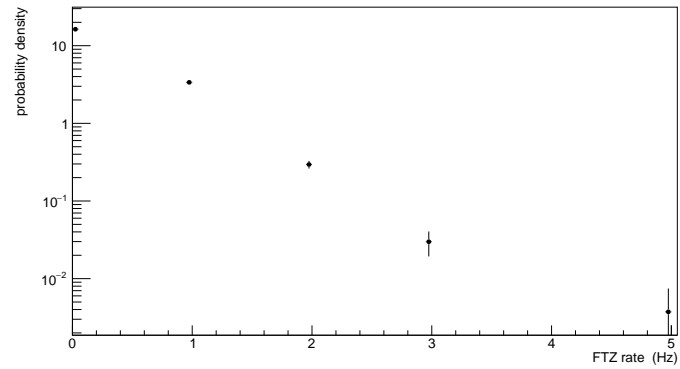
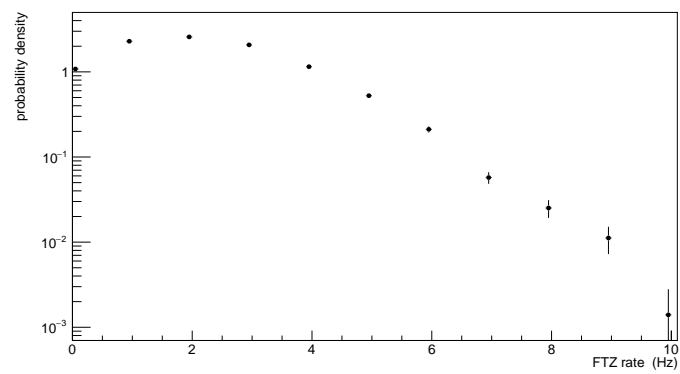
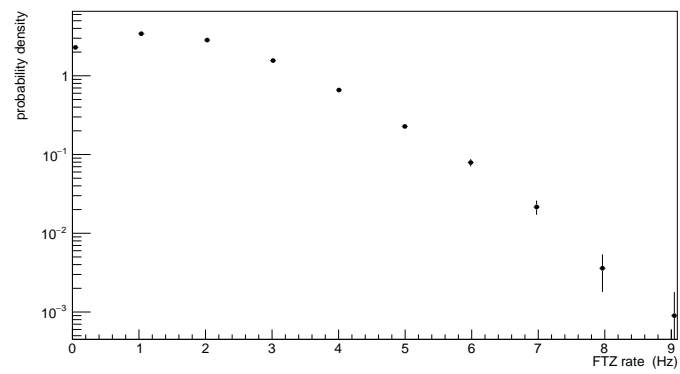
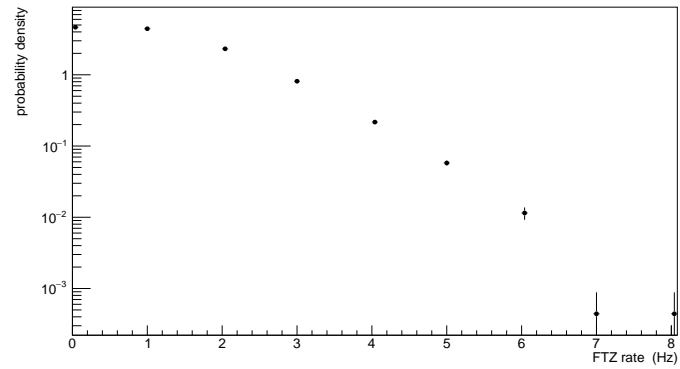
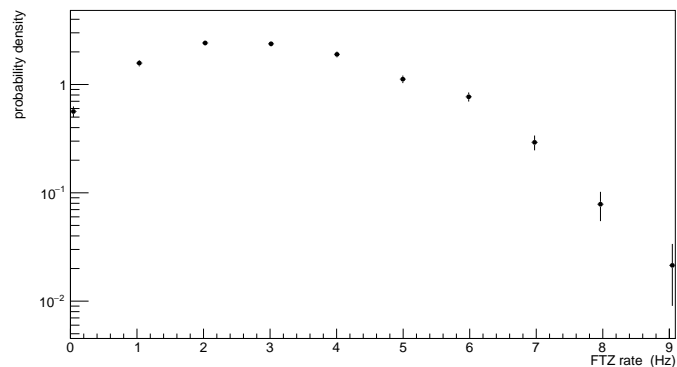
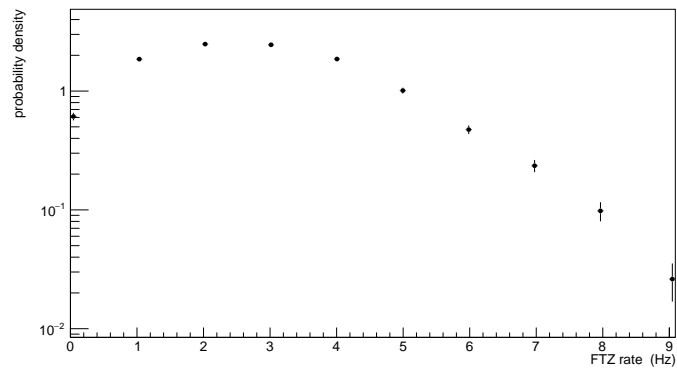
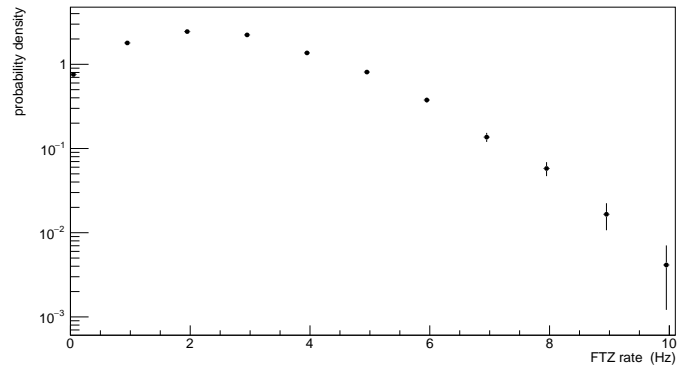


Figure S3. Distributions of AMS-02 trigger rate FTC (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







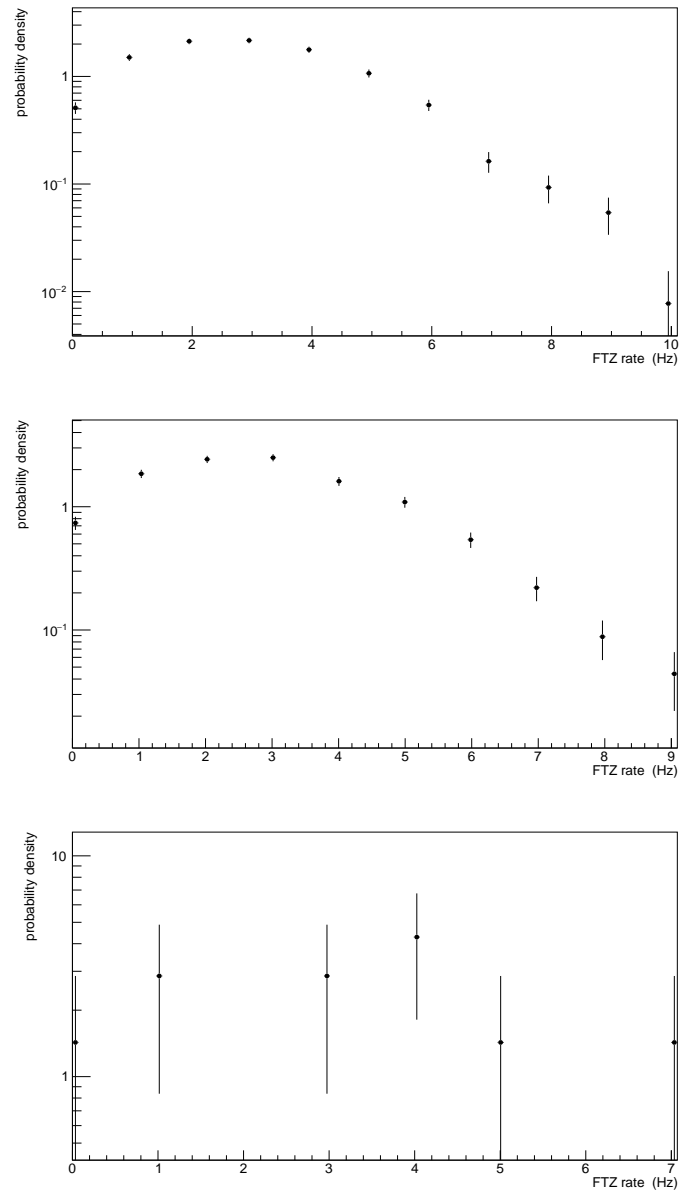
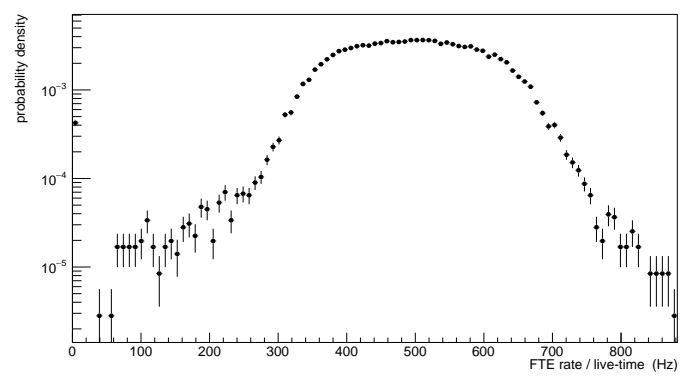
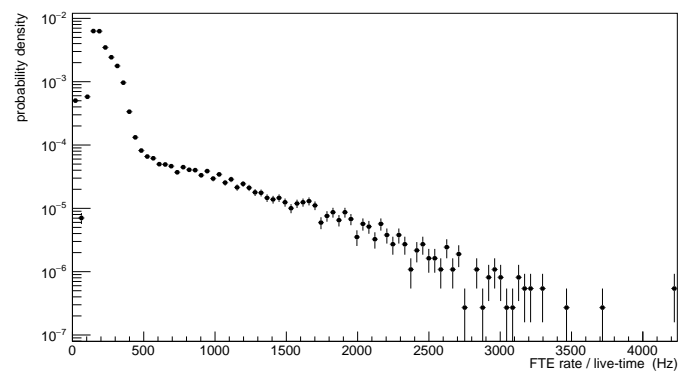
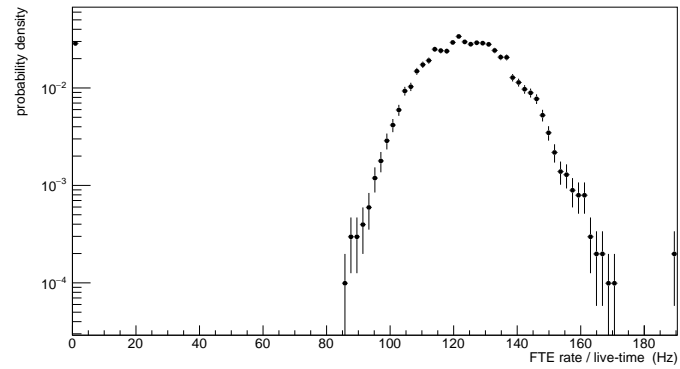
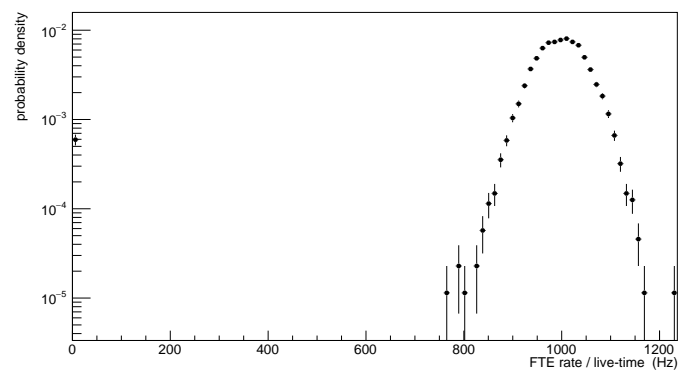
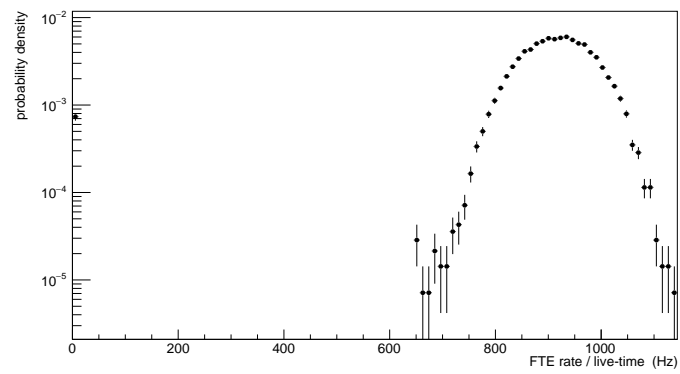
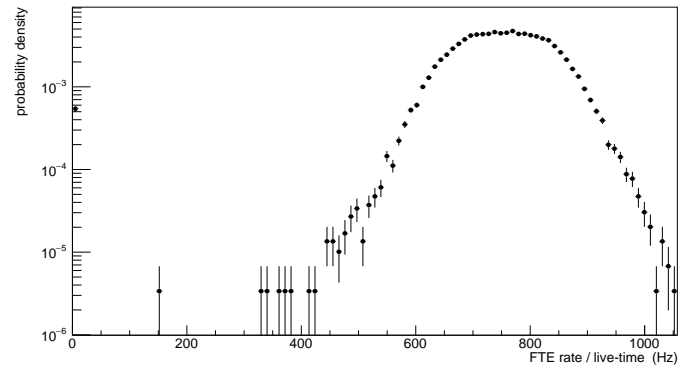
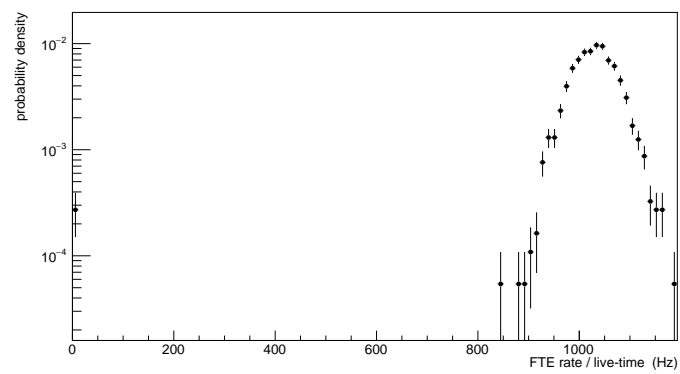
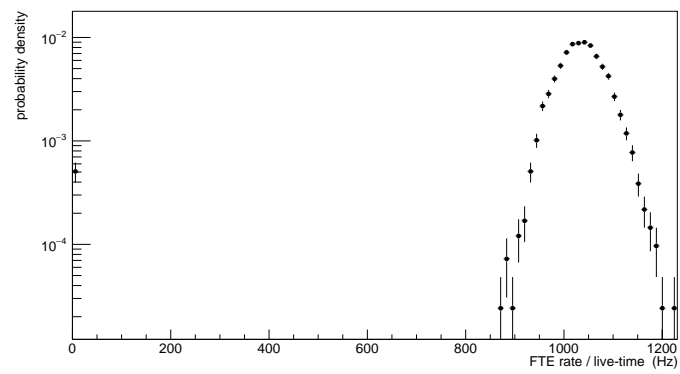
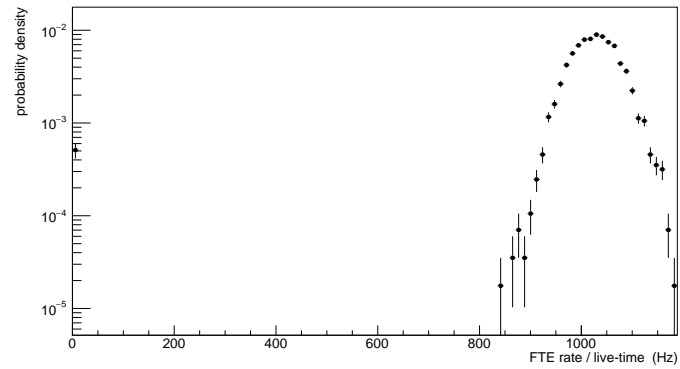


Figure S4. Distributions of AMS-02 trigger rate FTZ (raw) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







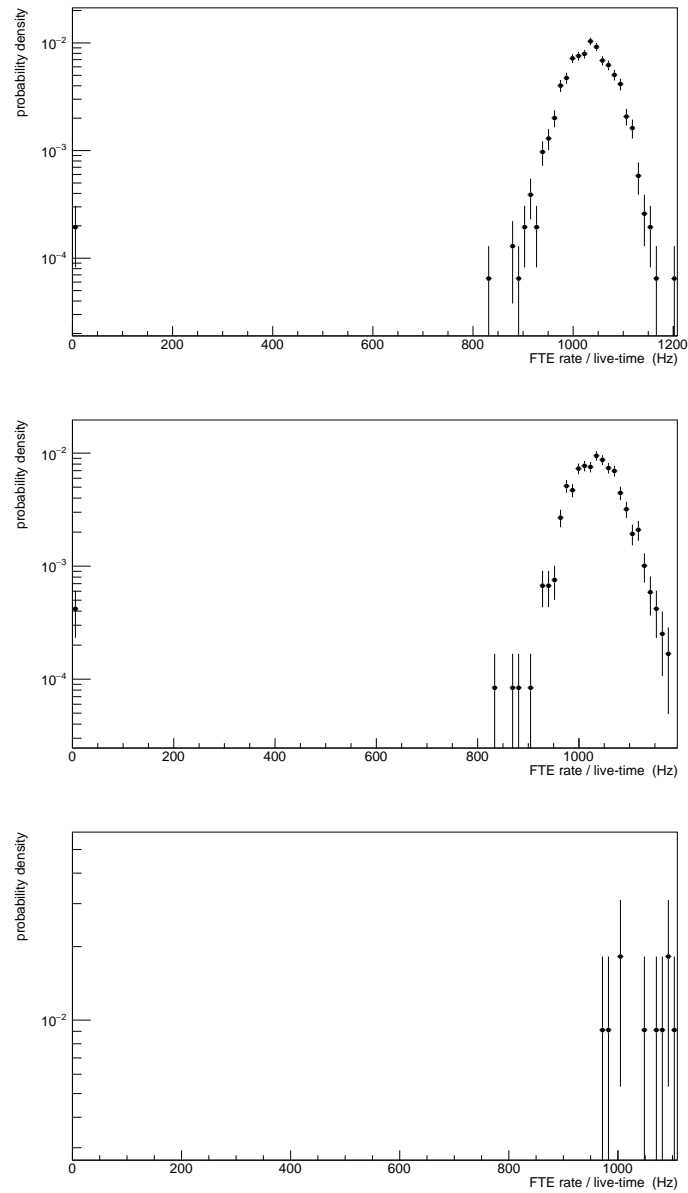
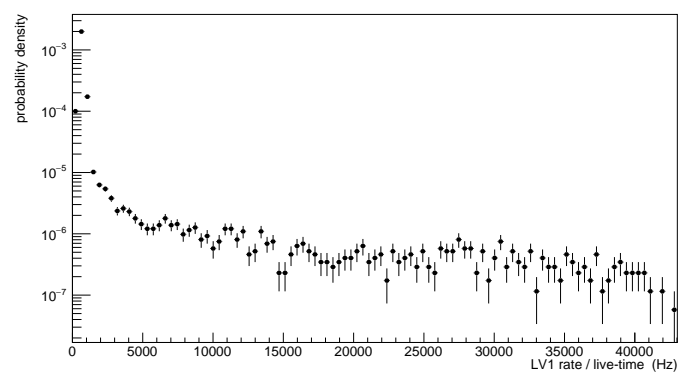
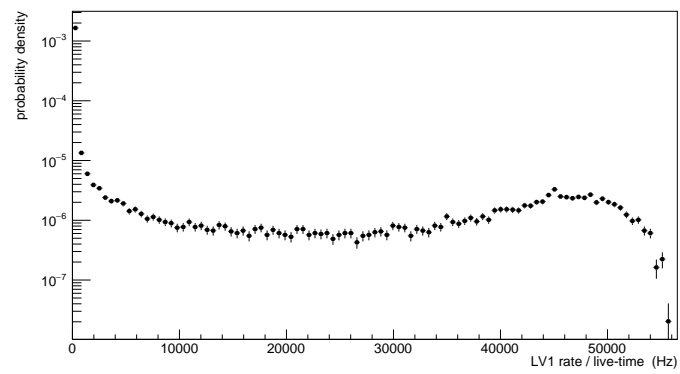
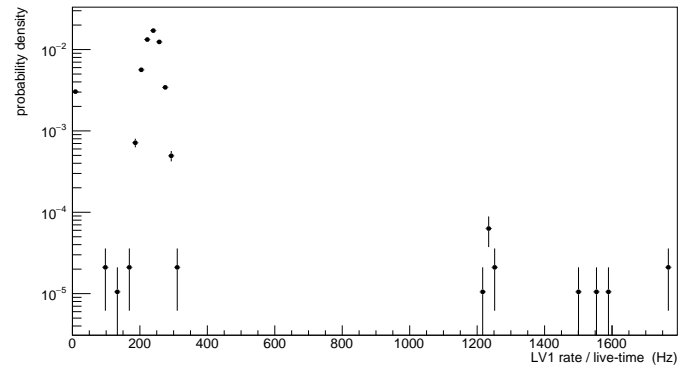
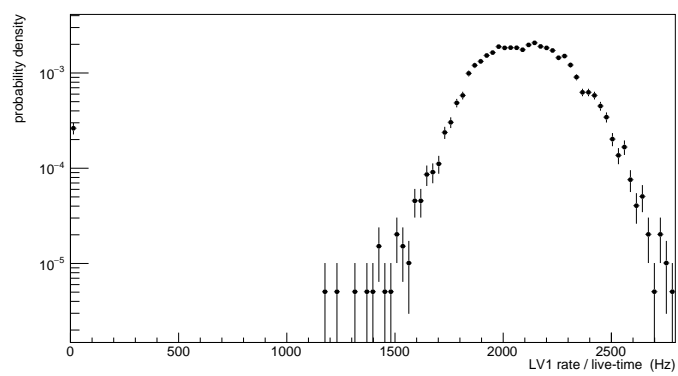
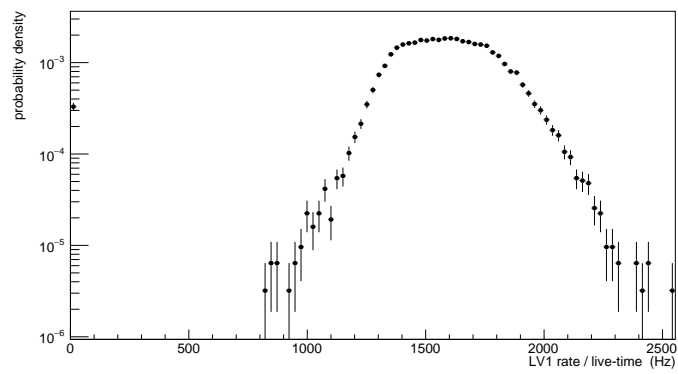
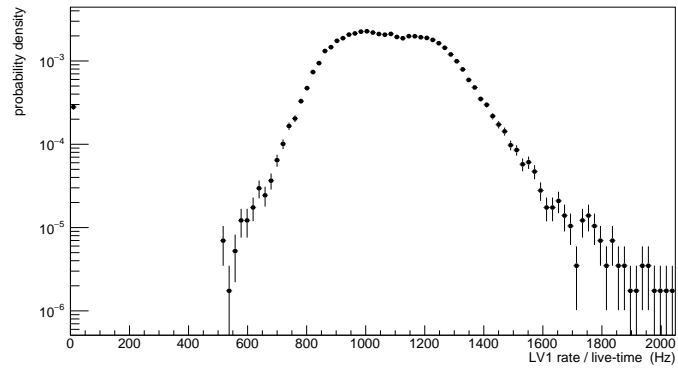
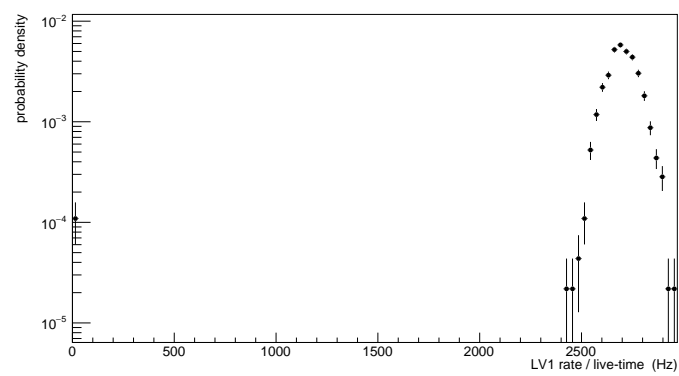
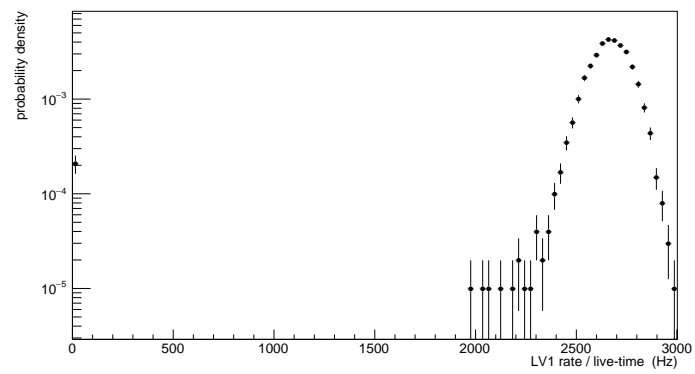
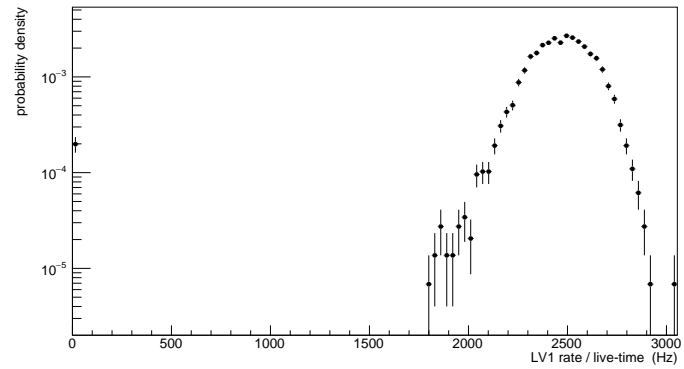


Figure S5. Distributions of AMS-02 trigger rate FTE (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







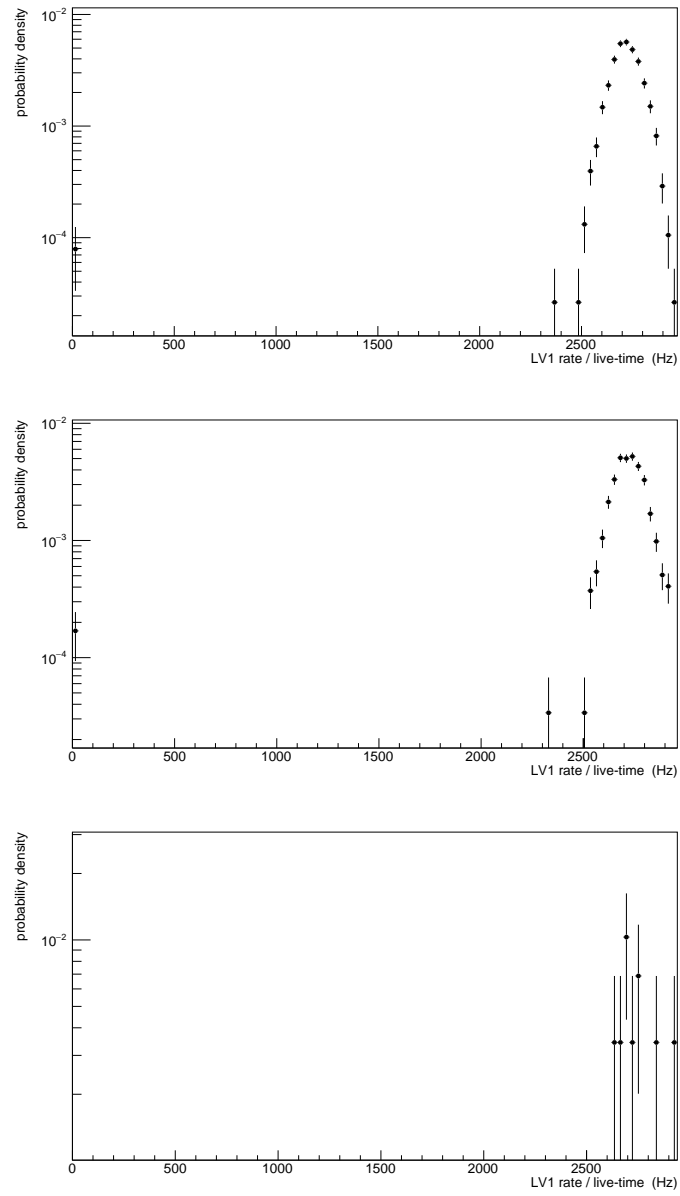
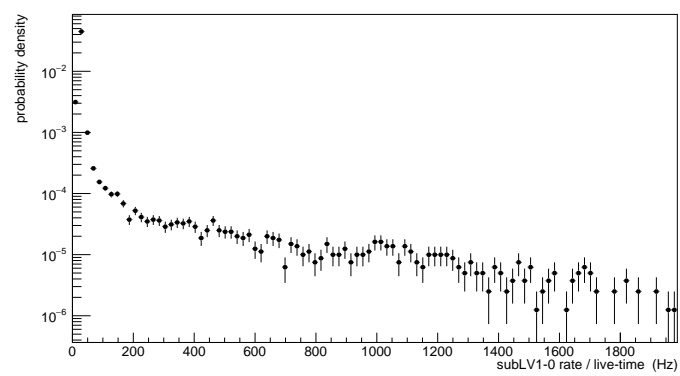
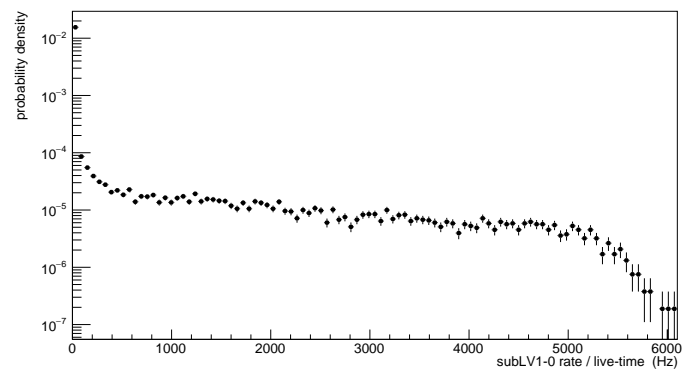
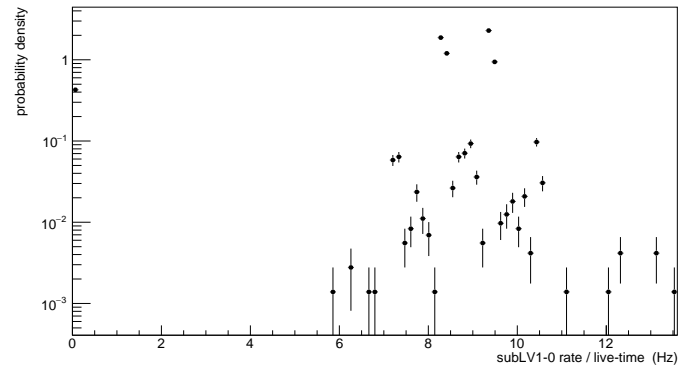
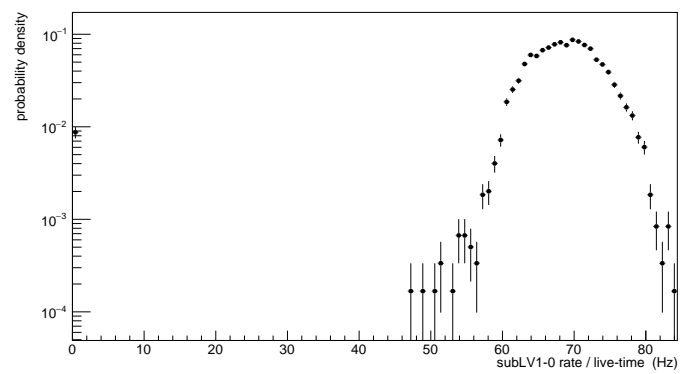
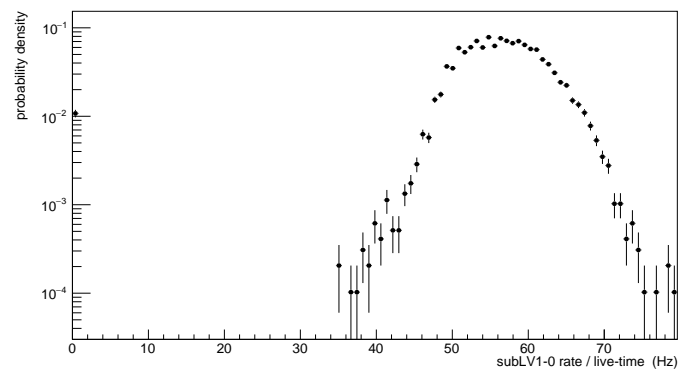
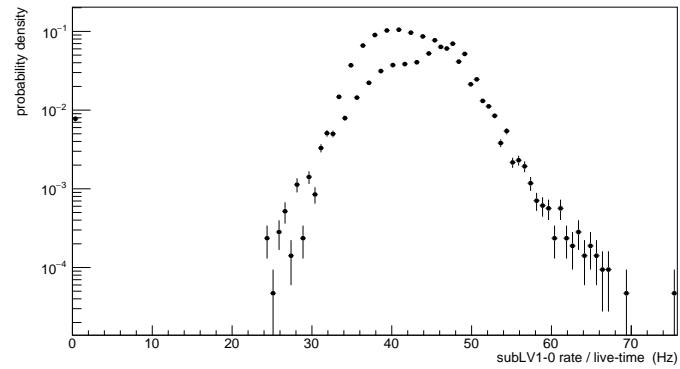
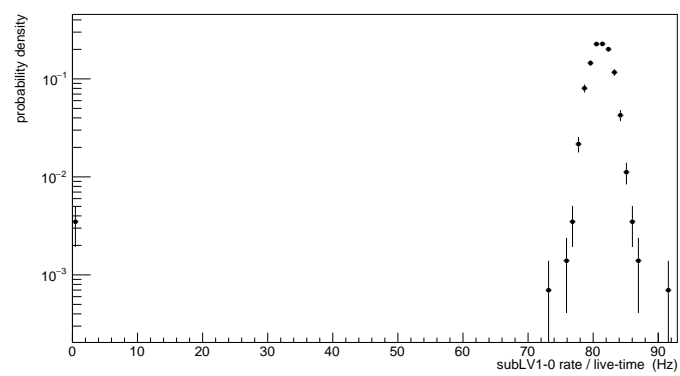
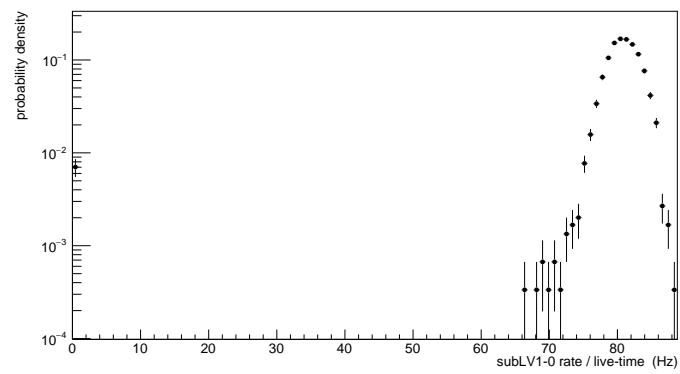
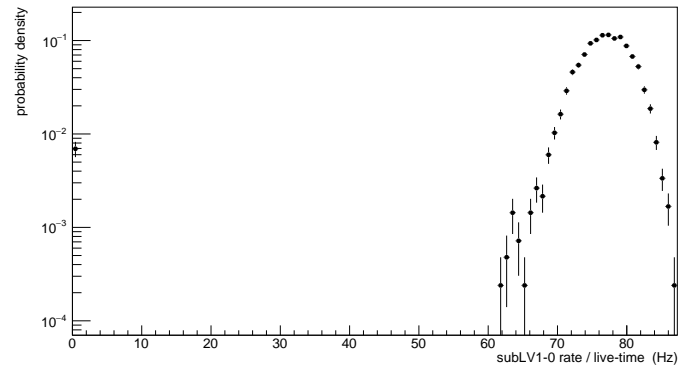


Figure S6. Distributions of AMS-02 trigger rate LV1 (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







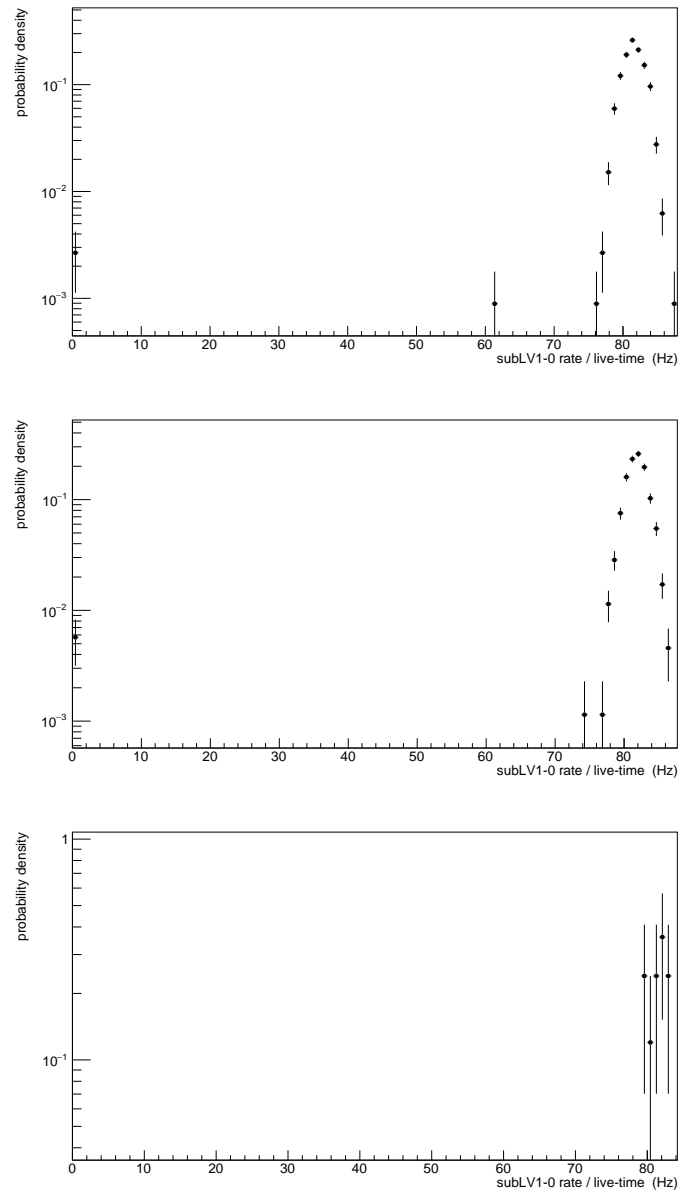
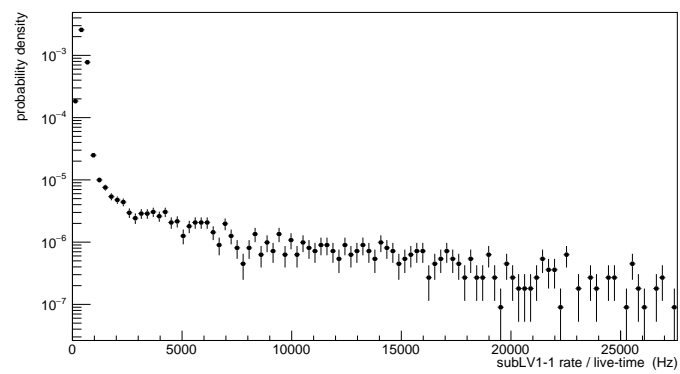
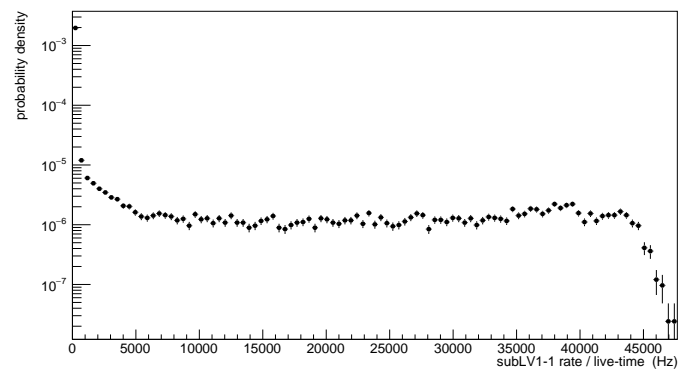
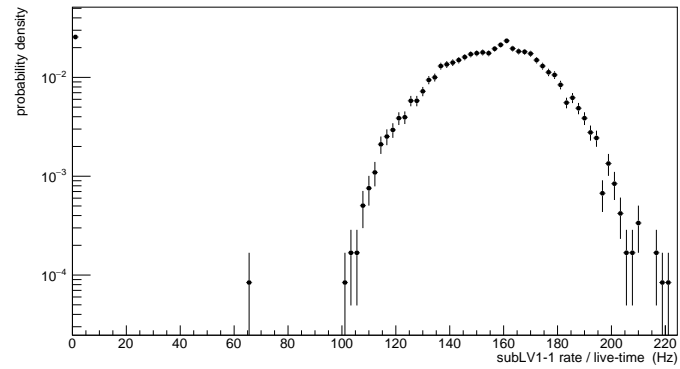
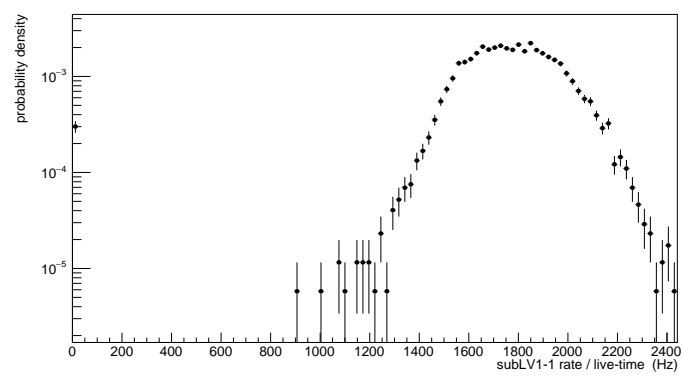
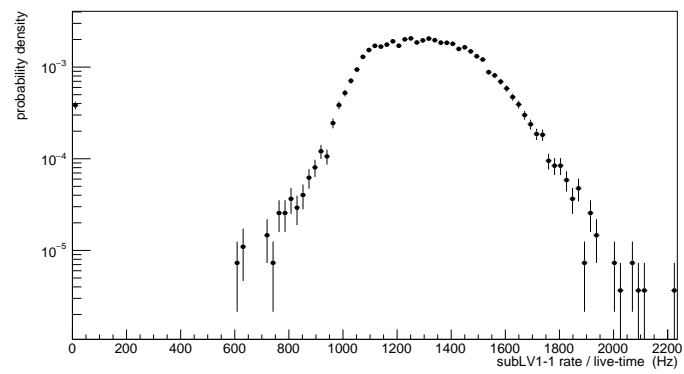
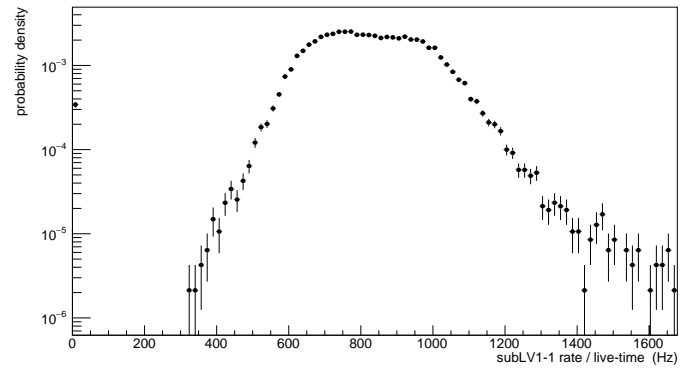
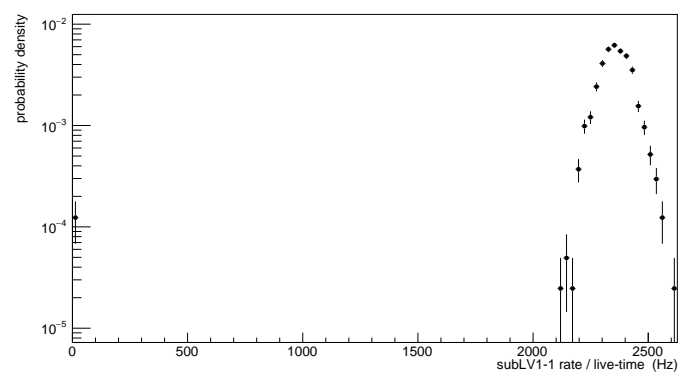
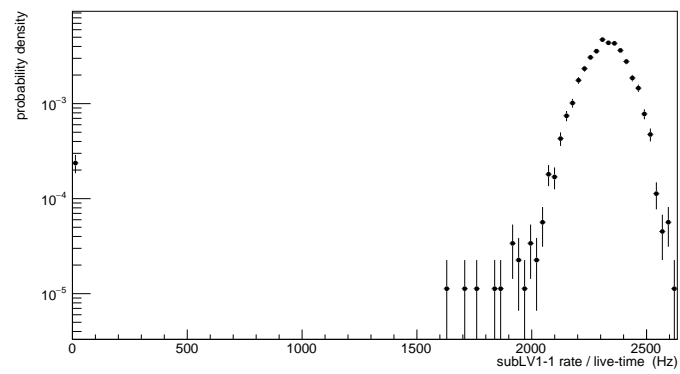
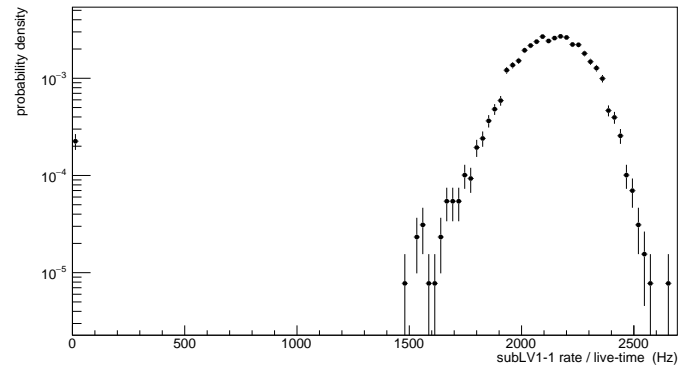


Figure S7. Distributions of AMS-02 trigger rate subLV1-0 (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







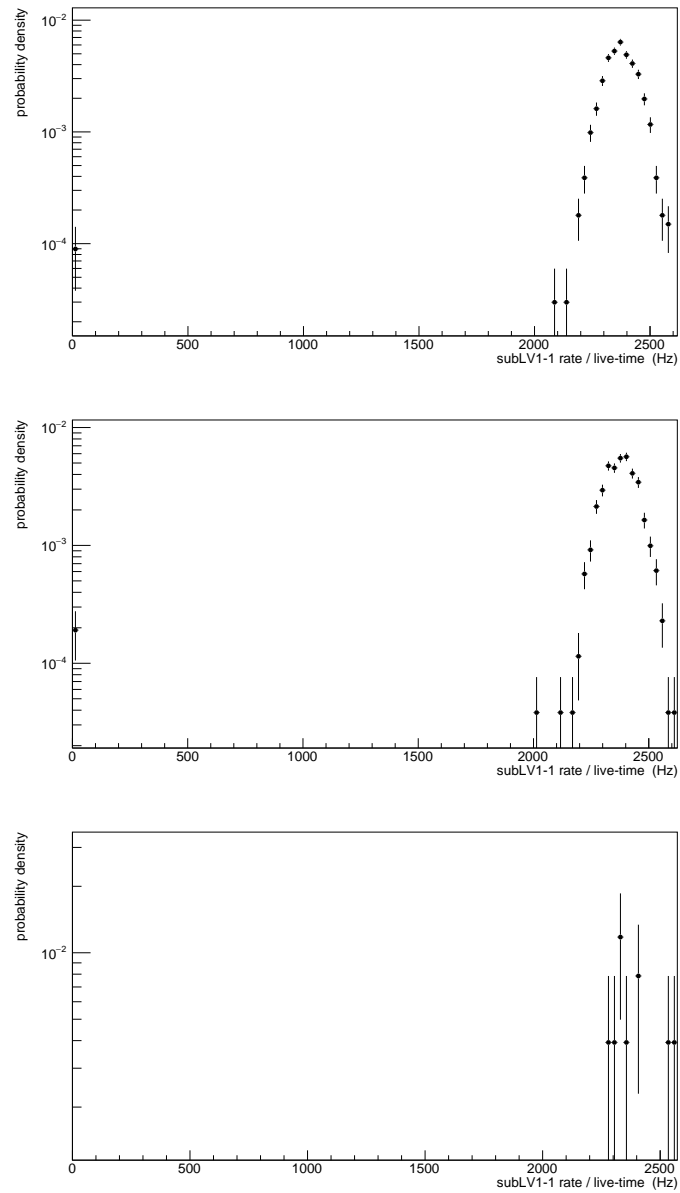
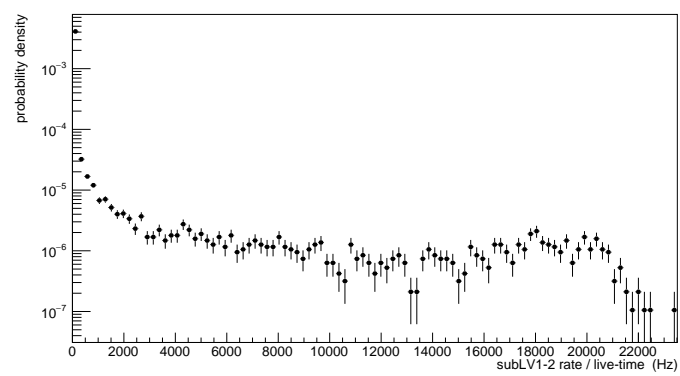
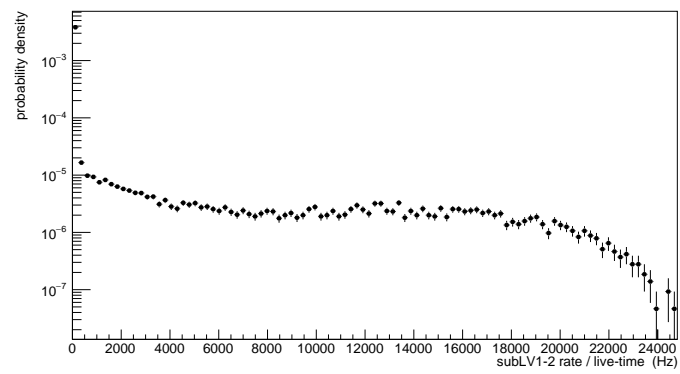
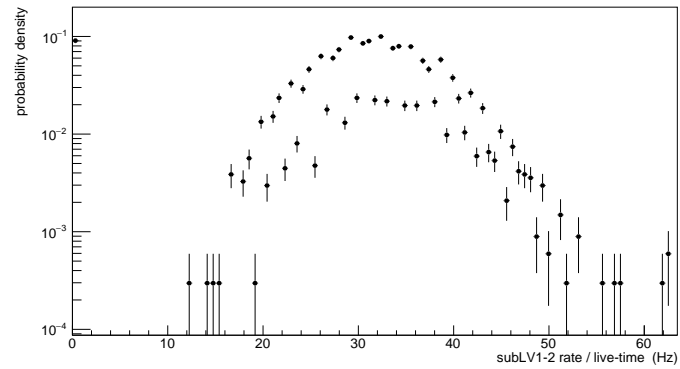
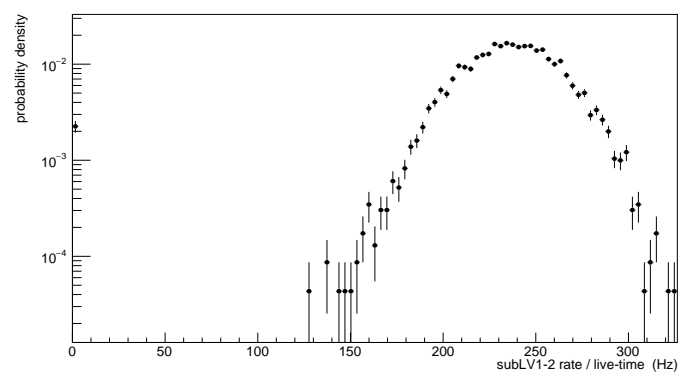
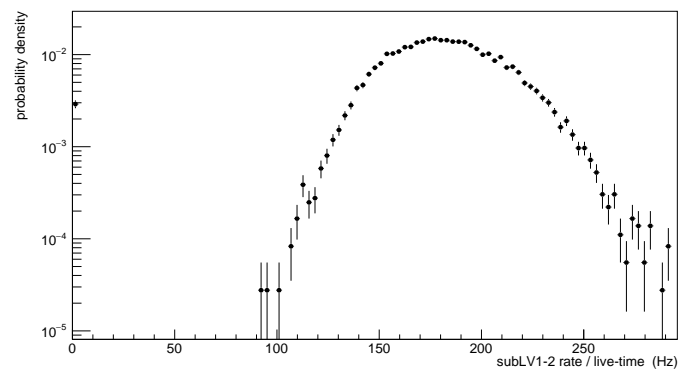
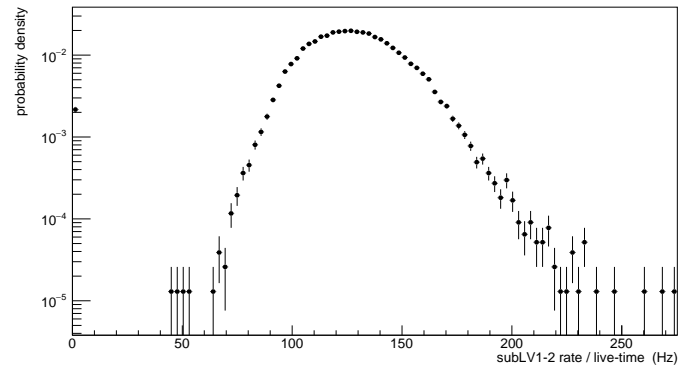
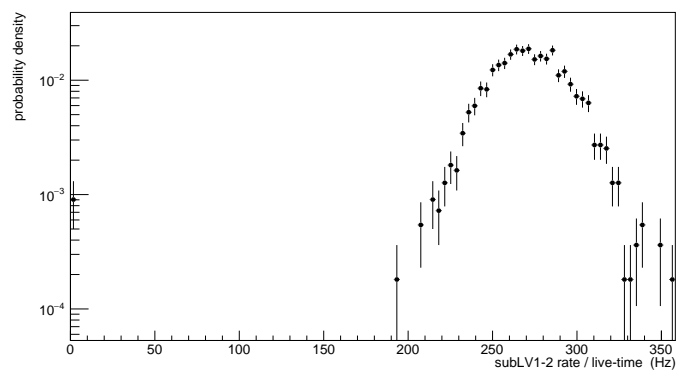
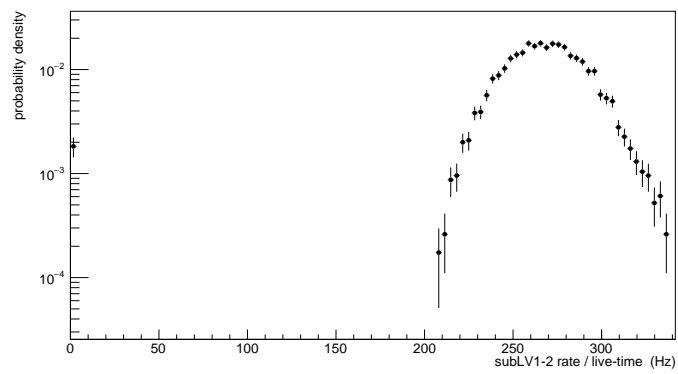
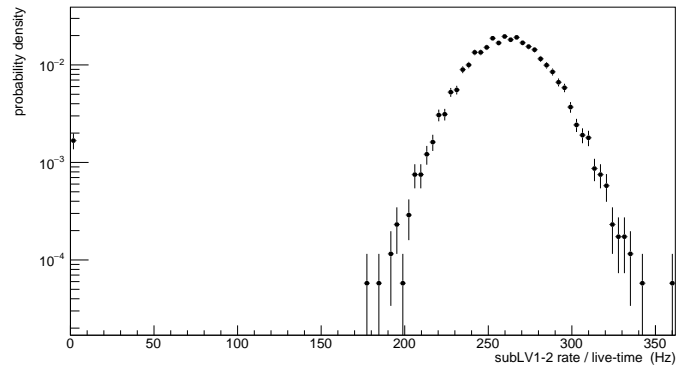


Figure S8. Distributions of AMS-02 trigger rate subLV1-1 (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







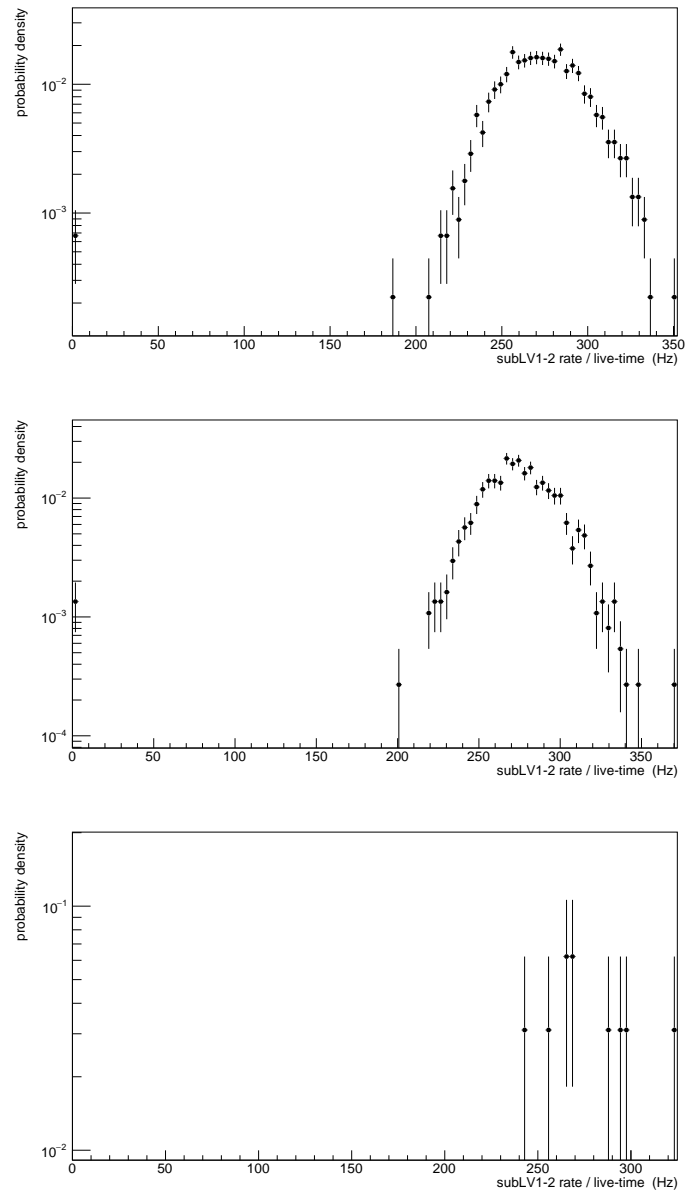
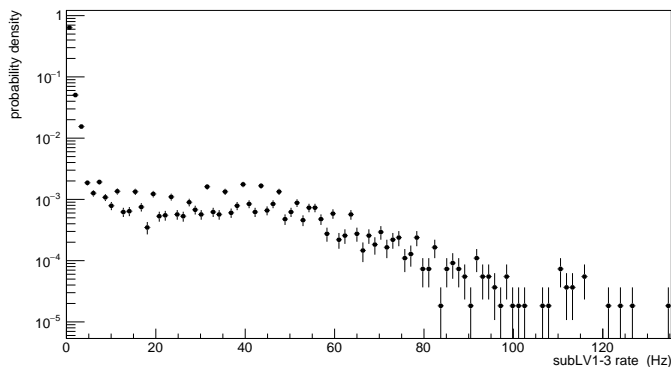
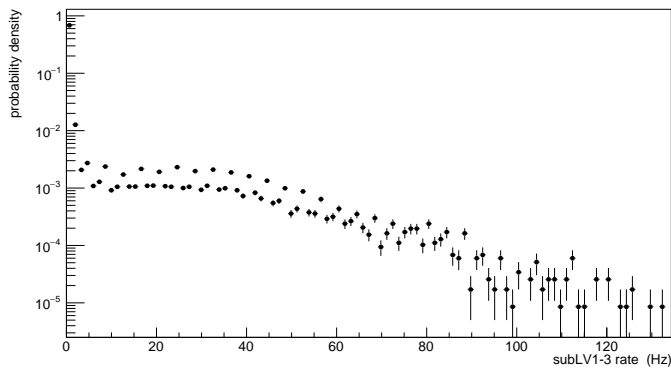
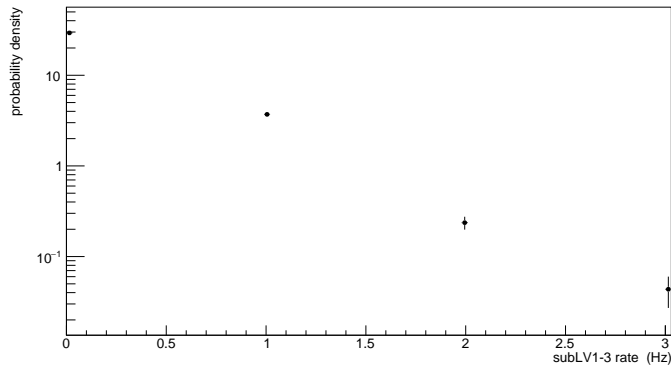
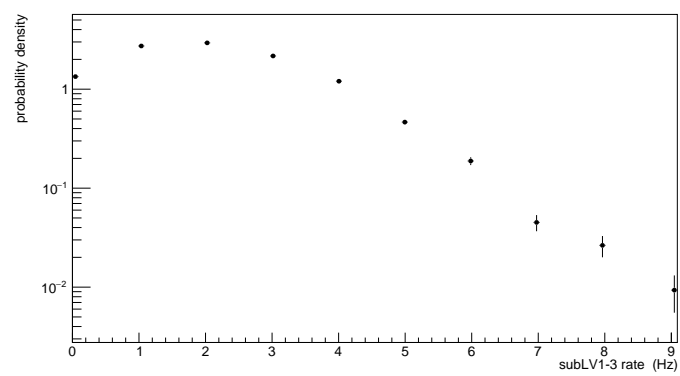
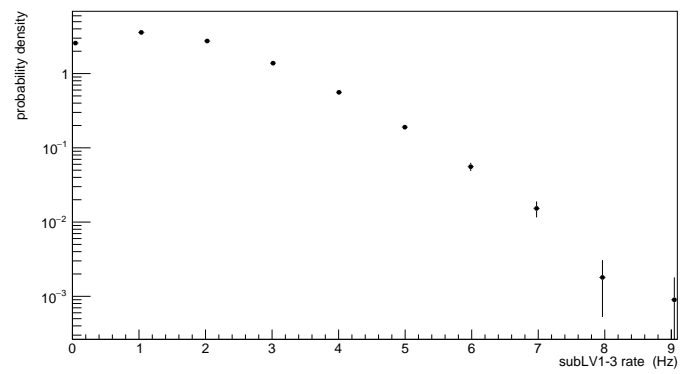
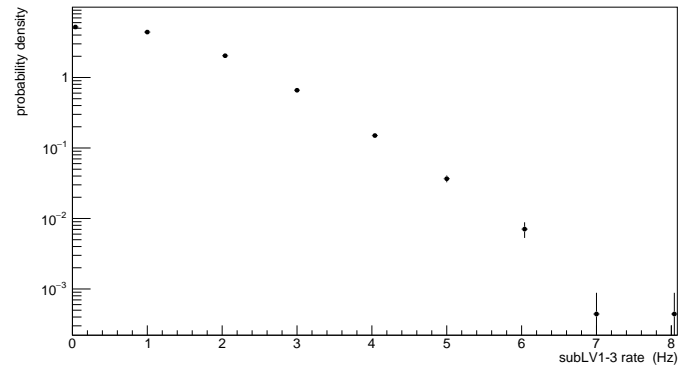
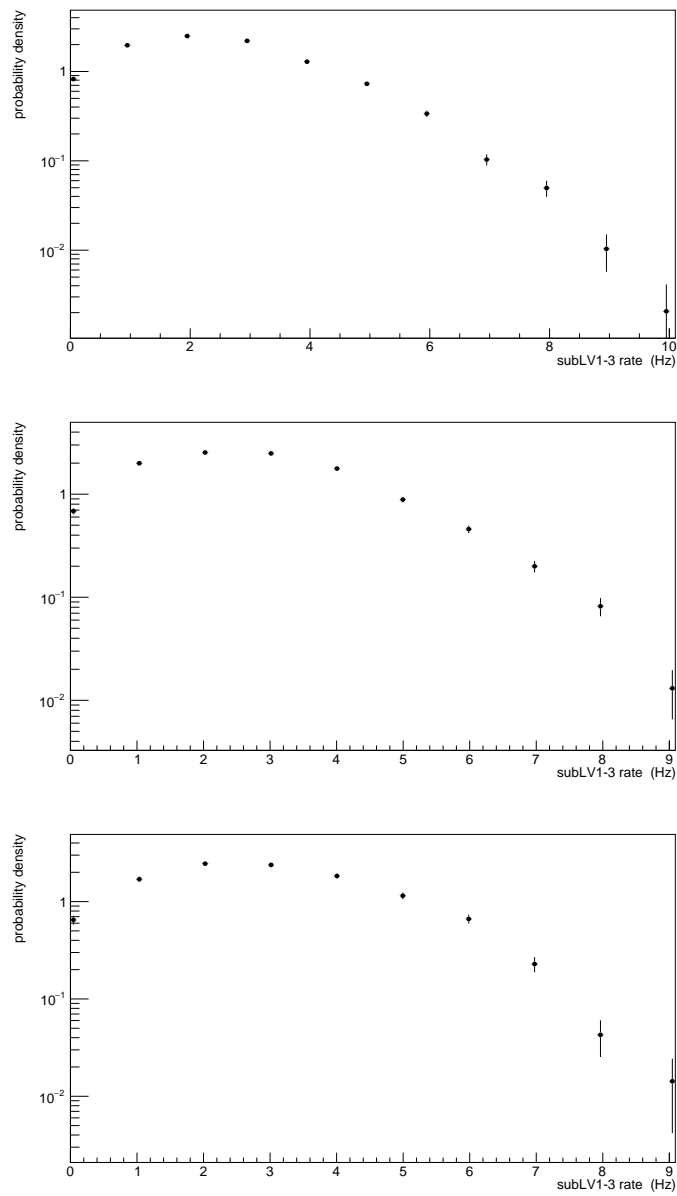


Figure S9. Distributions of AMS-02 trigger rate subLV1-2 (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







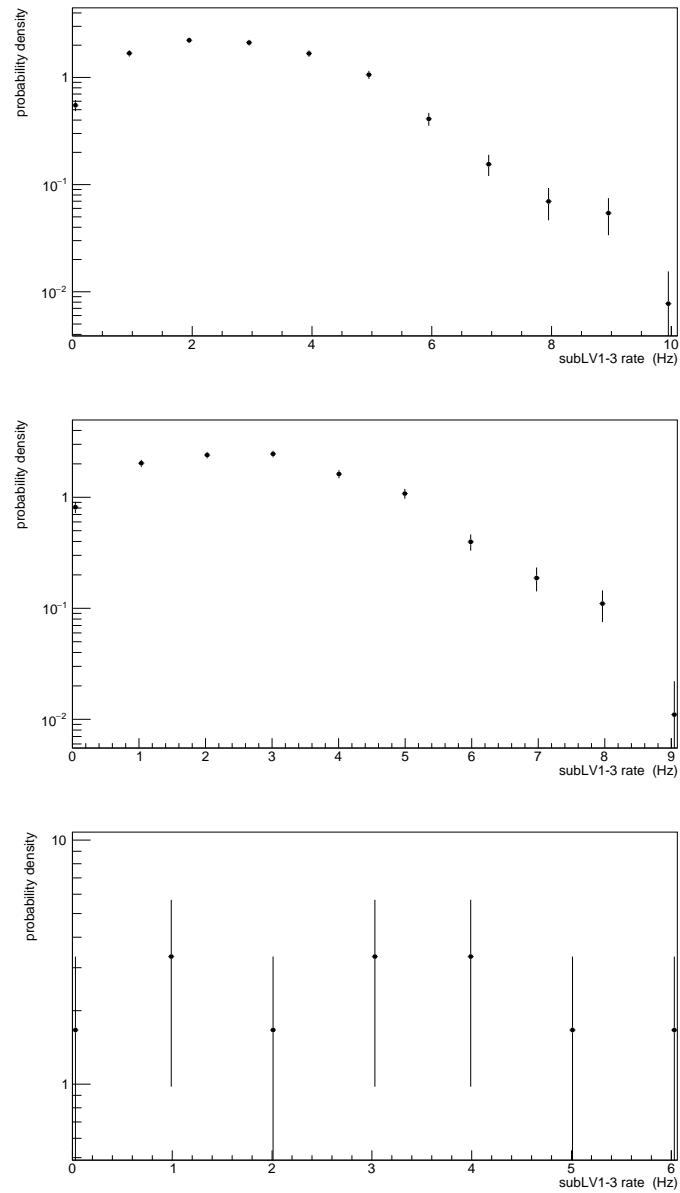
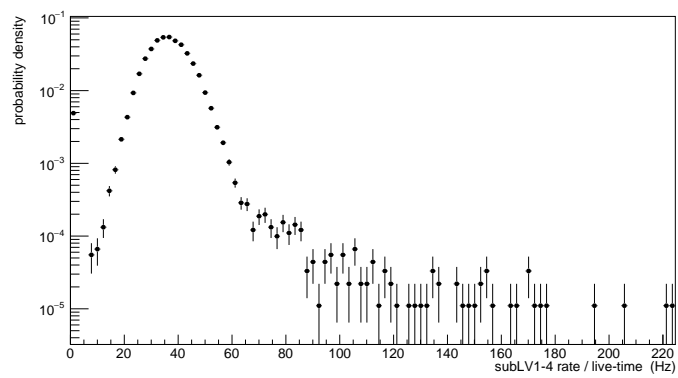
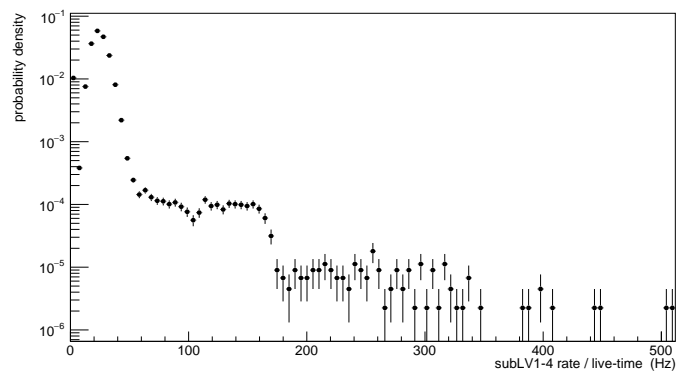
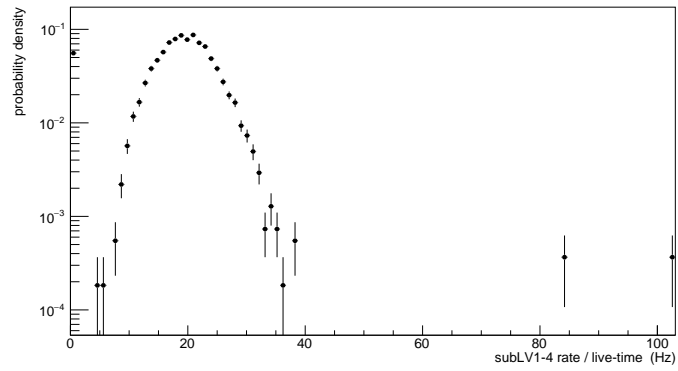
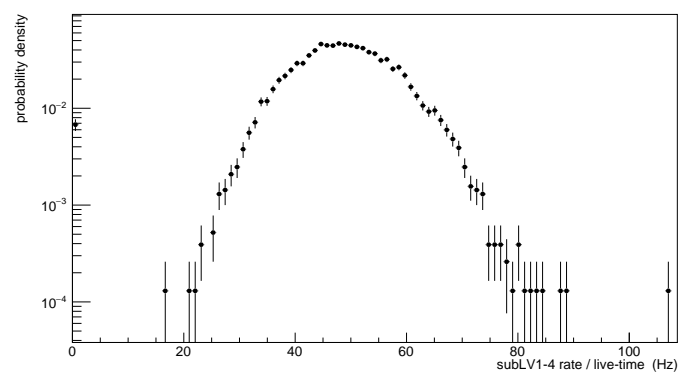
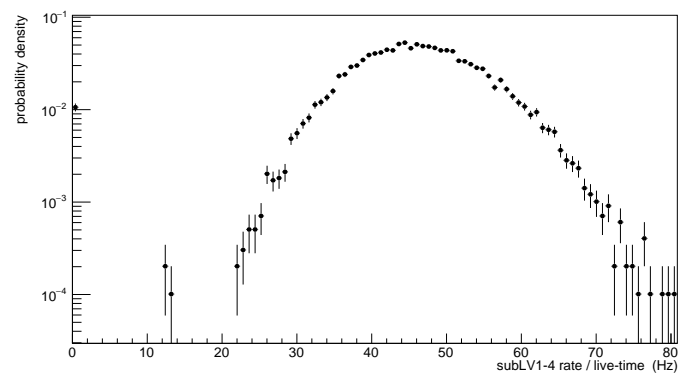
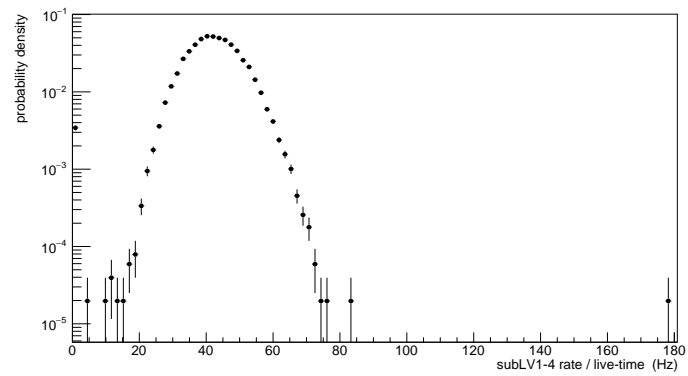
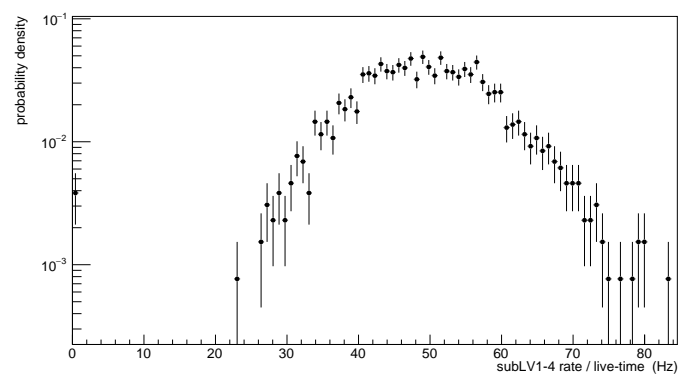
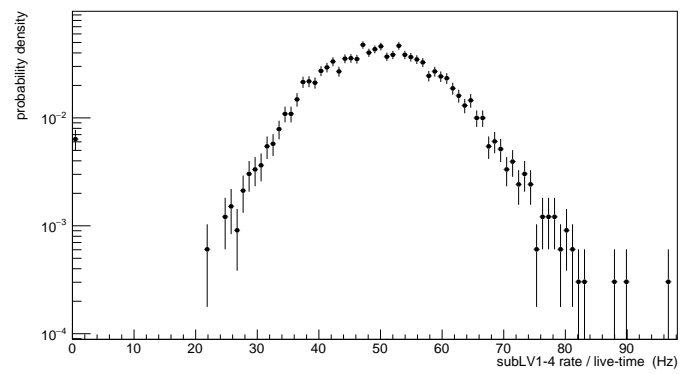
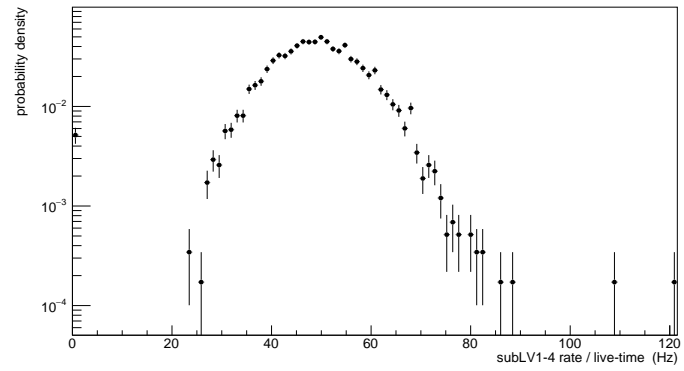


Figure S10. Distributions of AMS-02 trigger rate subLV1-3 (raw) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







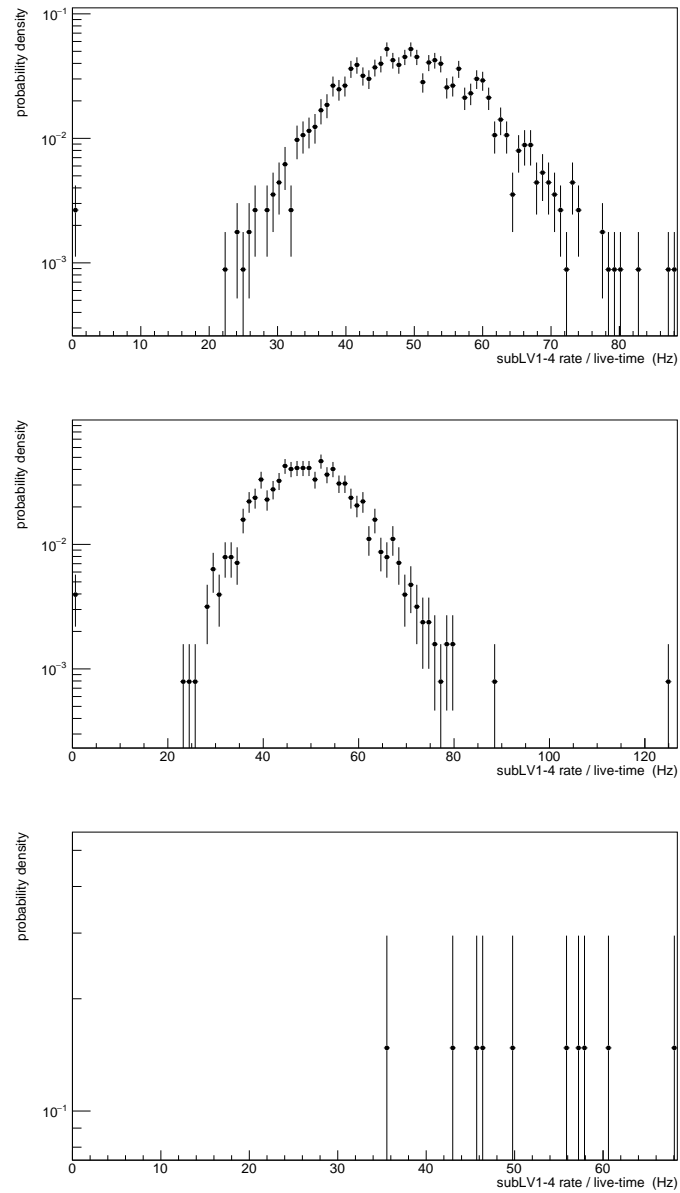
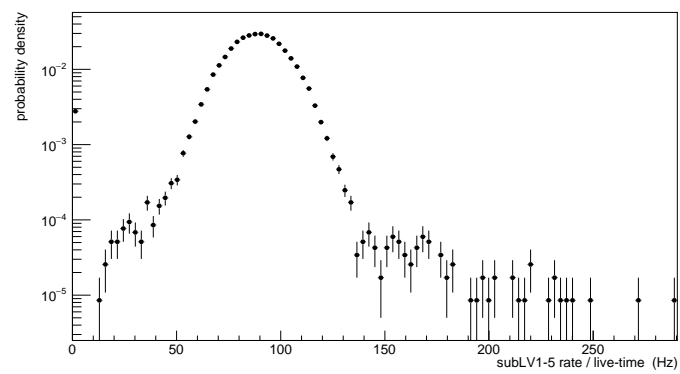
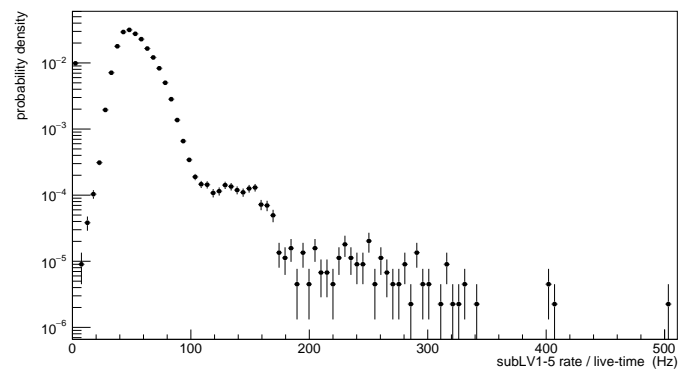
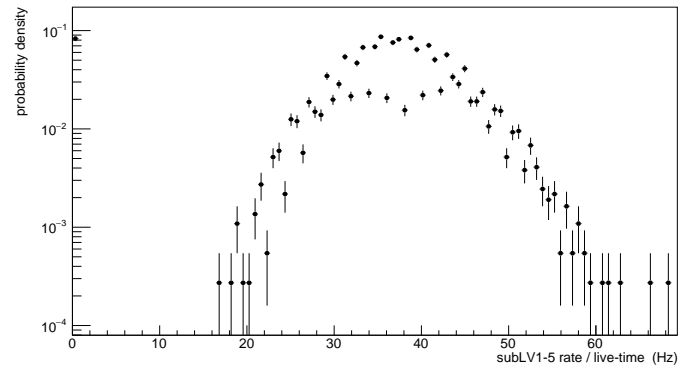
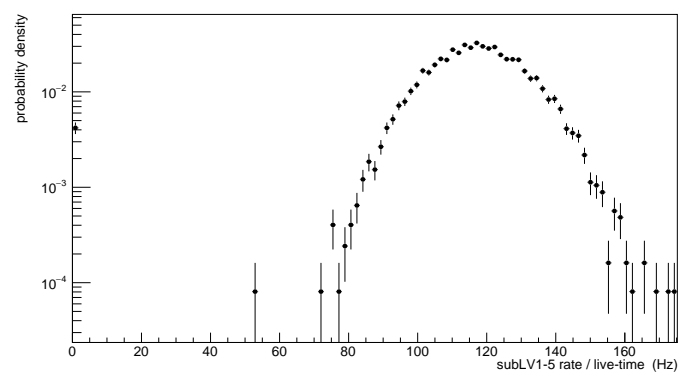
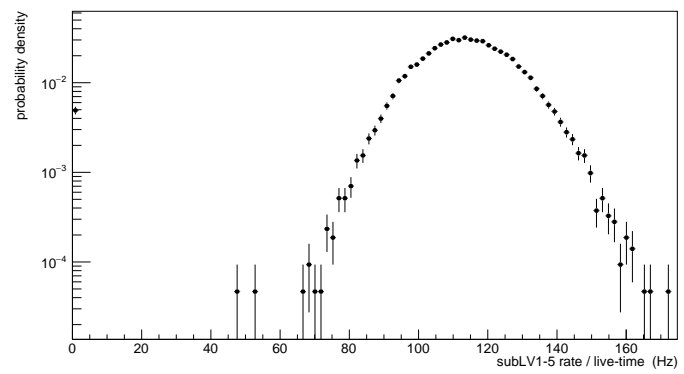
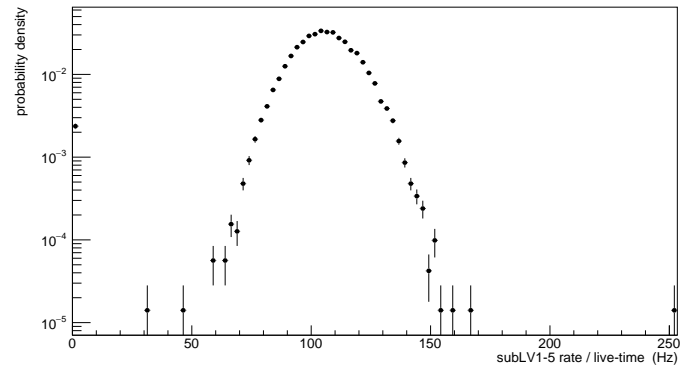
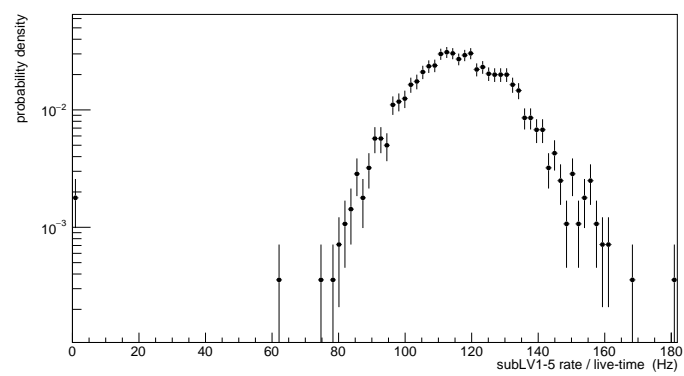
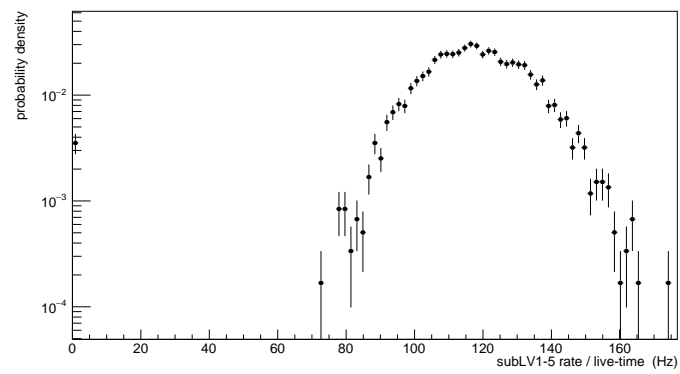
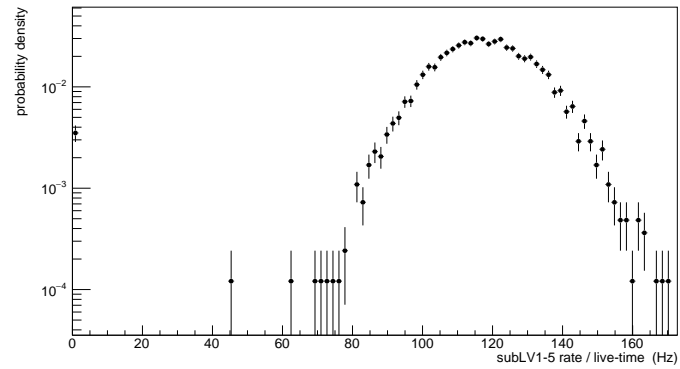


Figure S11. Distributions of AMS-02 trigger rate subLV1-4 (corrected by the live-time) of January, 2020. Each panel (a–l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.







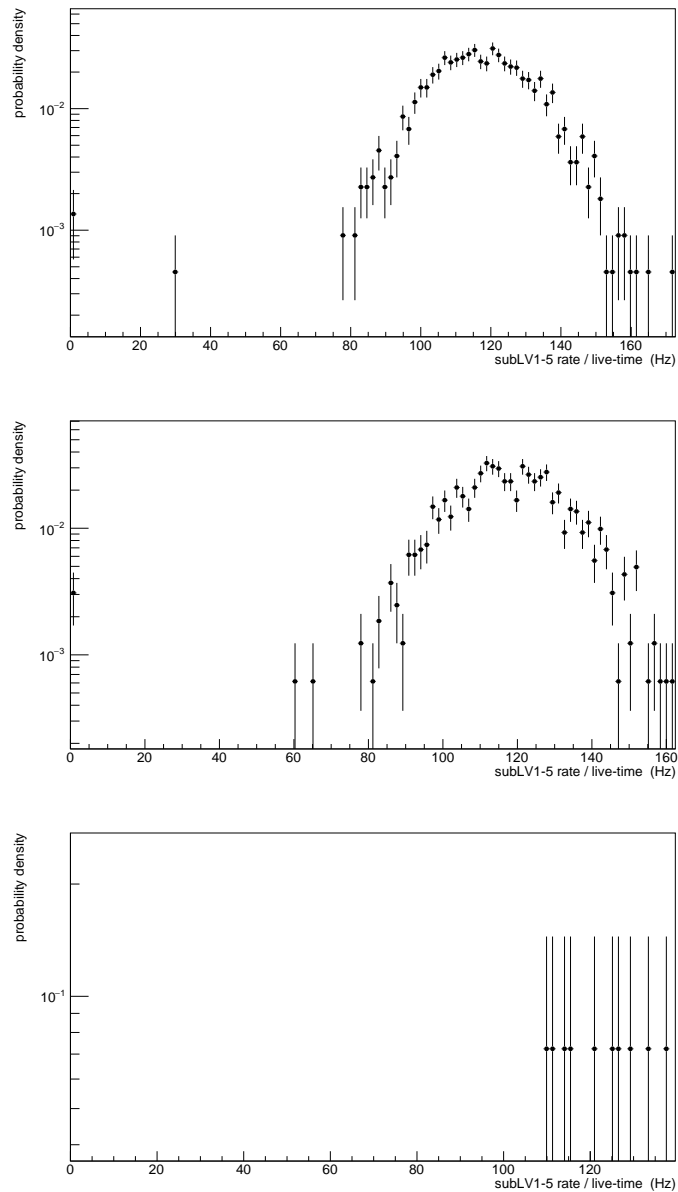


Figure S12. Distributions of AMS-02 trigger rate subLV1-5 (corrected by the live-time) of January, 2020. Each panel (a-l) shows the distribution obtained for a specific L bin; the bins span between $0.5 R_0$ and $6.5 R_0$ and are $0.5 R_0$ wide.

Abbreviations

The following abbreviations are used in this manuscript:

AMS	Alpha Magnetic Spectrometer
FT	fast trigger
FTC	fast trigger charged
FTE	fast trigger ECAL
FTZ	fast trigger big-Z
LV1	level 1

1

2

3

4

Disclaimer/Publisher's Note: The statements, opinions and data contained in all publications are solely those of the individual author(s) and contributor(s) and not of MDPI and/or the editor(s). MDPI and/or the editor(s) disclaim responsibility for any injury to people or property resulting from any ideas, methods, instructions or products referred to in the content.