Supplement of

**Homogenizing and estimating the uncertainty in NOAA’s long-term vertical ozone profile records measured with the electrochemical concentration cell ozonesonde**

Chance W. Sterling et al.

*Correspondence to:* Chance W. Sterling (chance.sterling@noaa.gov)

The copyright of individual parts of the supplement might differ from the CC BY 4.0 License.
Figure S1: Average Boulder profile for Era 3 processed with the 1986 Komhyr processing and the NOAA ozone sensor efficiency processing techniques, Panel A. The percent difference in the two processing is shown in Panel B.
Figure S2: Average Hilo profile for Era 3 processed with the 1986 Komhyr correction and the NOAA ozone sensor efficiency correction, Panel A. The percent difference in the two processing is shown in Panel B.

Figure S3: Suva, Fiji SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying ozone sensor efficiency.
Figure S4: Huntsville, Alabama SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying the ozone sensor efficiency.

Figure S5: Trinidad Head, California SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying the ozone sensor efficiency.
Figure S6: Summit, Greenland SBUV vs Ozonesonde total column ozone comparison after applying ozone sensor efficiency.

Figure S7: Boulder, CO SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying ozone sensor efficiency.

Figure S8: South Pole Dobson vs Ozonesonde total column ozone comparison before (A) and after (B) applying ozone sensor efficiency.
Figure S9: Hilo, HI SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying ozone sensor efficiency.

Figure S10: Pago Pago, American Samoa SBUV vs Ozonesonde total column ozone comparison before (A) and after (B) applying ozone sensor efficiency.