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Transport pathways of carbon monoxide from Indonesian fire pollution to a subtropical high-altitude mountain site in the western North Pacific

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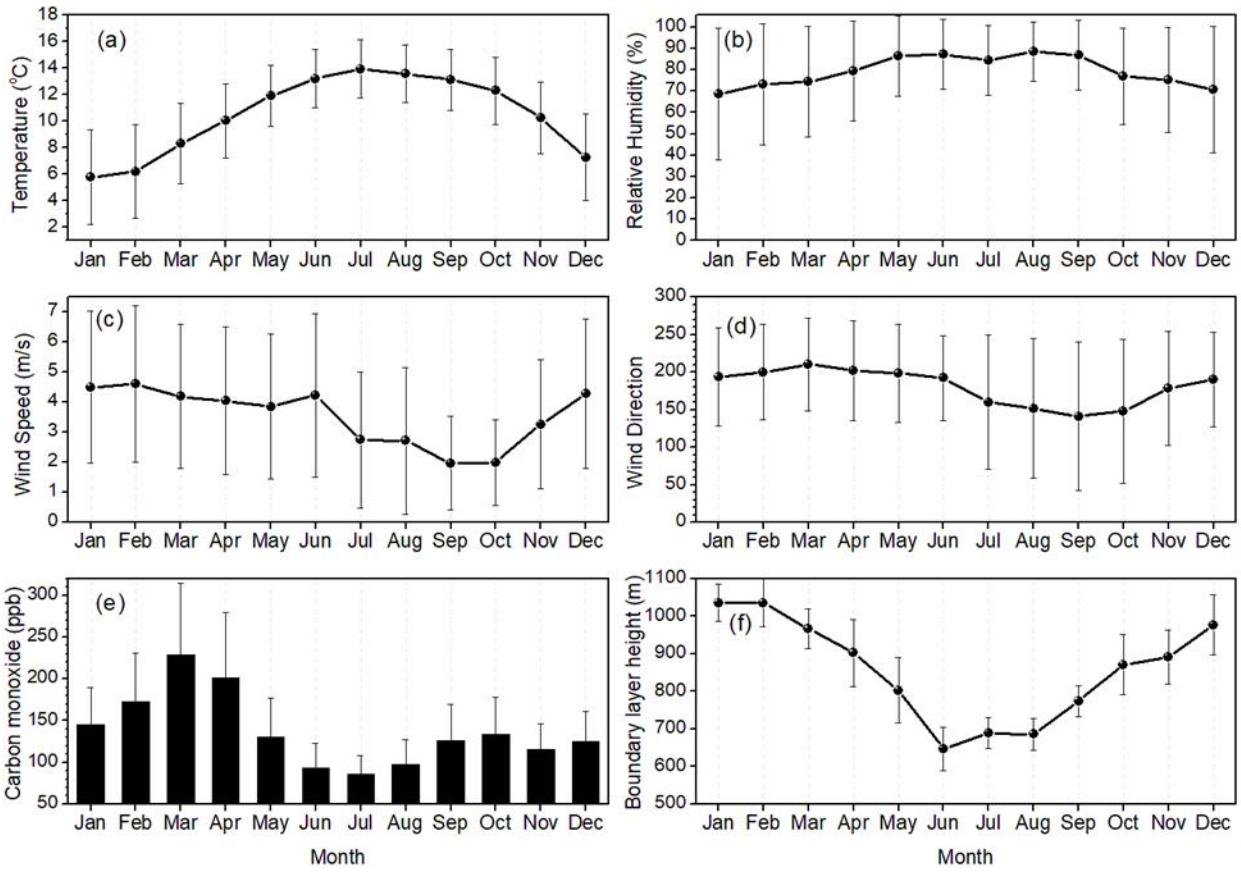

Figure S1. Long-term monthly mean of (a) temperature, (b) relative humidity, (c) wind speed, (d) wind direction, (e) carbon monoxide at LABS, and (f) MERRA-2 obtained boundary layer height around LABS between 2006 and 2021. Vertical error bars indicate the standard deviation from the monthly mean.

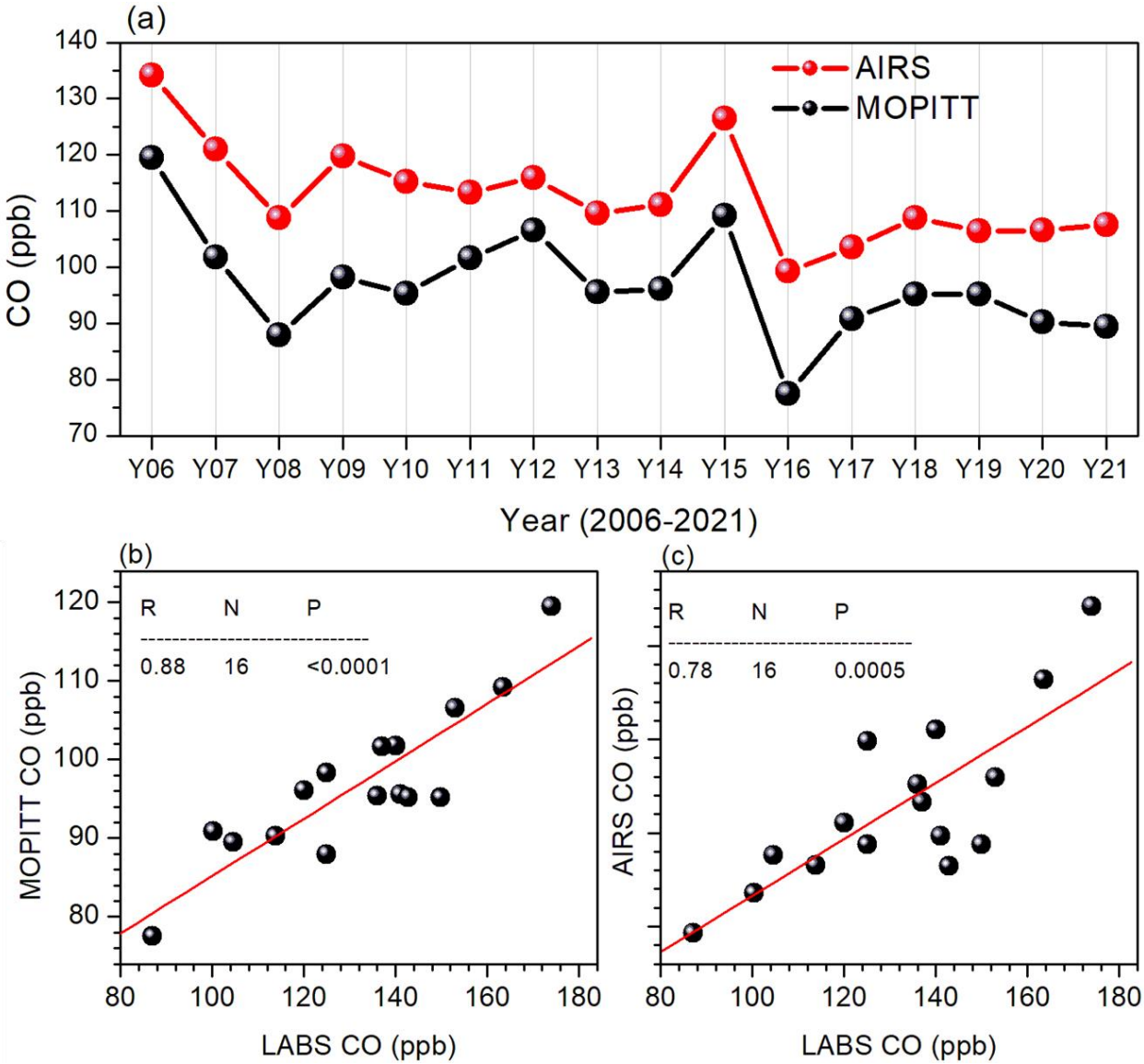

Figure S2**.** (a) MOPITT (black) and AIRS (red) satellites observed CO mixing ratios at 700 hPa within the 1-degree radius around the LABS location, (b) correlation plot between in-situ CO at LABS and MOPITT CO, and (c) correlation plot between in-situ CO at LABS and AIRS CO in October month during 2006 to 2021. (R is the correlation coefficient; N is the sample size; P is the significance value)

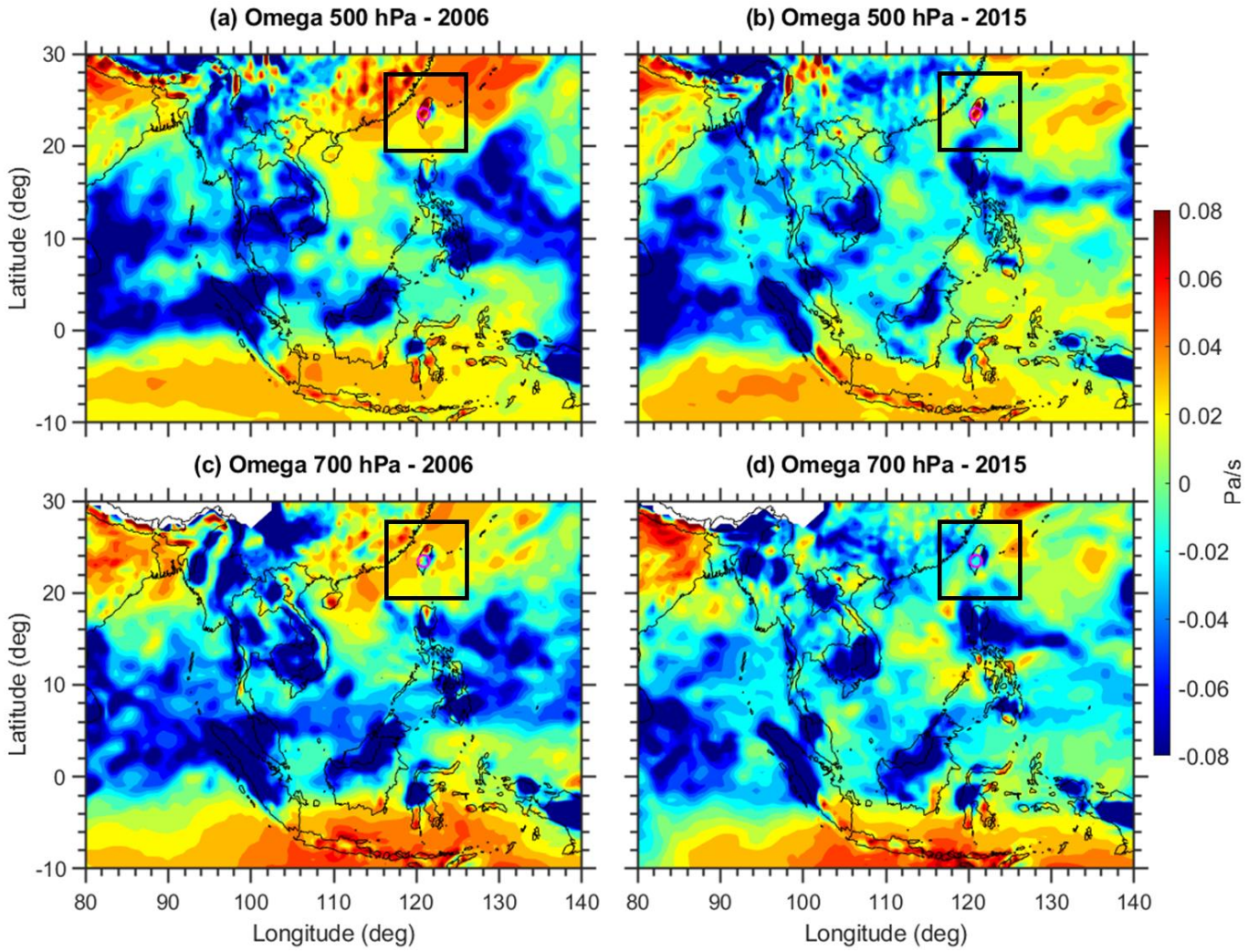

Figure S3. Monthly mean vertical pressure velocity obtained from MERRA-2 reanalysis (a) at 500 hPa and (b) at 700 hPa during October 2006. Subplots (c) and (d) are the same as subplots (a) and (b) but for October 2015.