Supplement

Validation of ACE-FTS version 5.2 ozone data with ozonesonde measurements

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[4]Environment and Climate Change Canada, Downsview, Toronto, Ontario, Canada

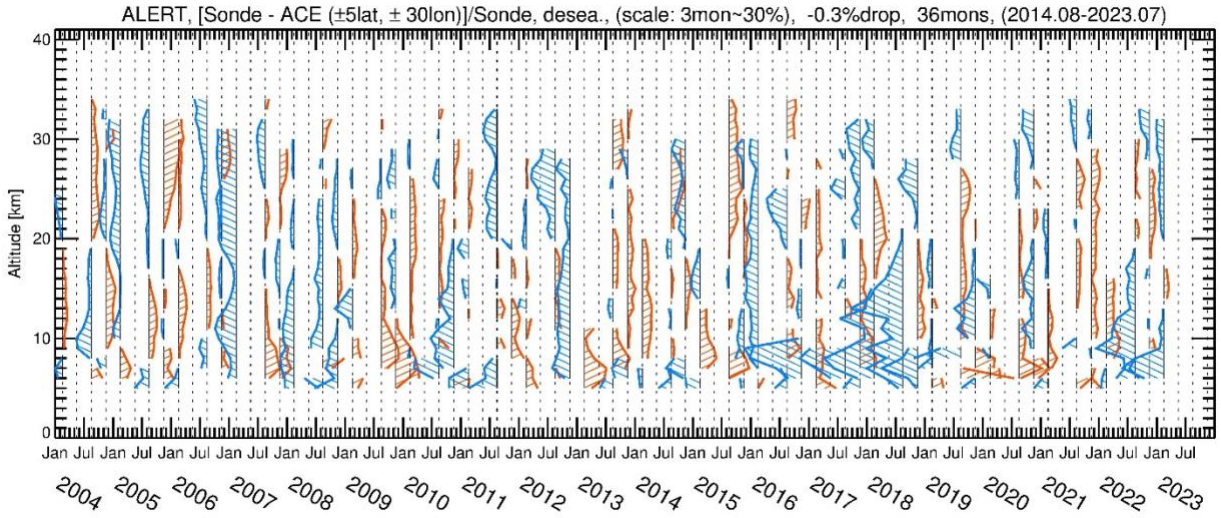

Fig. S1 Seasonally averaged relative differences (%) between the ozonesonde and ACE-FTS de-seasonalized monthly mean time series at Alert, Canada. The red/blue colors indicate the positive/negative differences, respectively. A scale of 30% relative difference is represented by the distance between the two adjacent dashed lines (3 months). The drop-off amount, the period, and the number of months of operating EnSci sondes with S/N > 25000 are indicated at the top. The following figures are similar for the different stations.

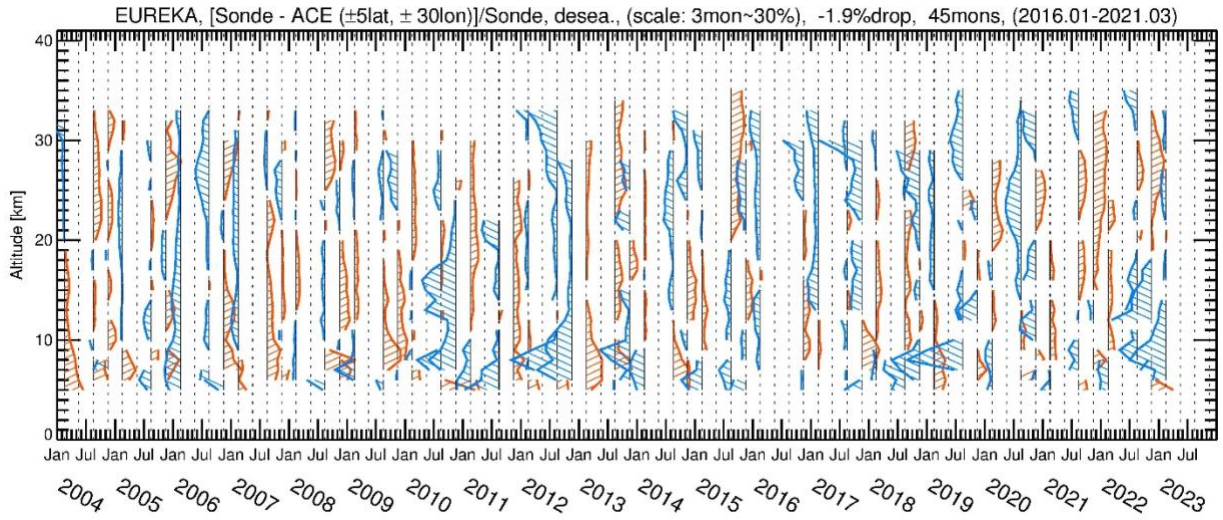

Fig. S2 Eureka

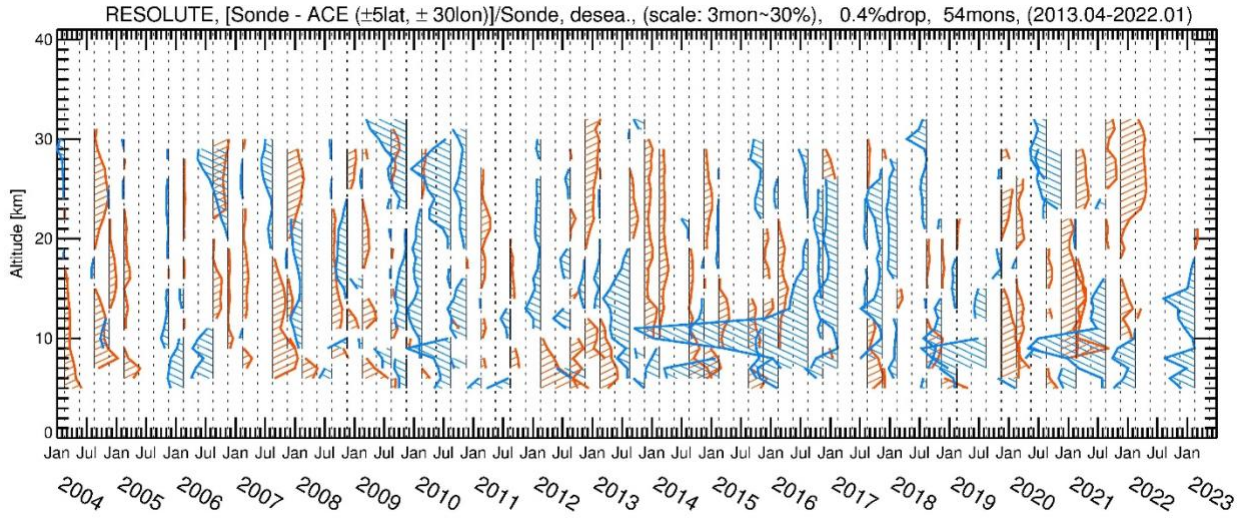

Fig. S3 Resolute

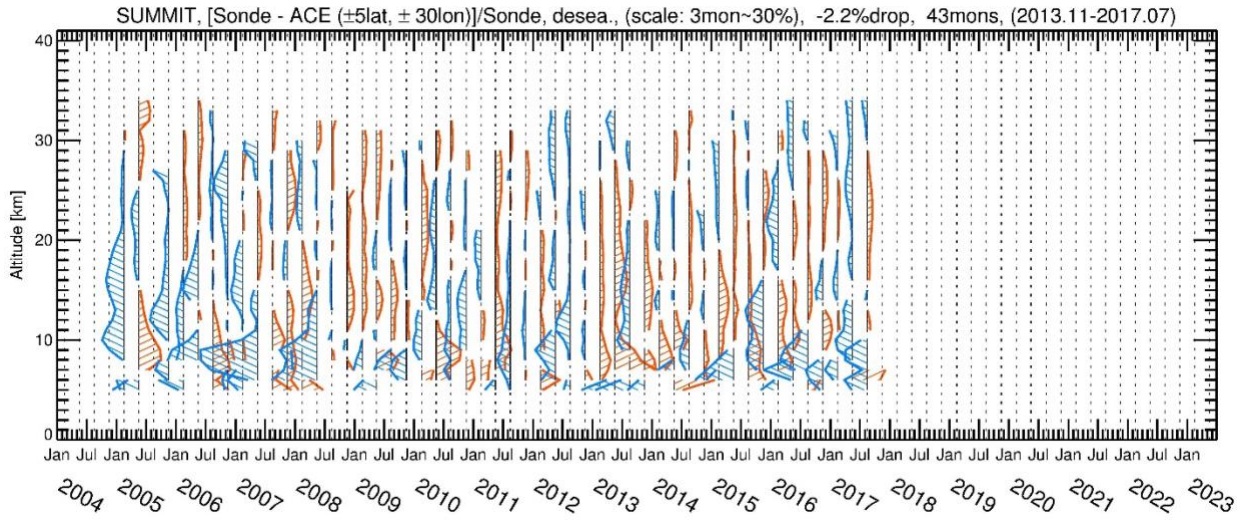

Fig. S4 Summit

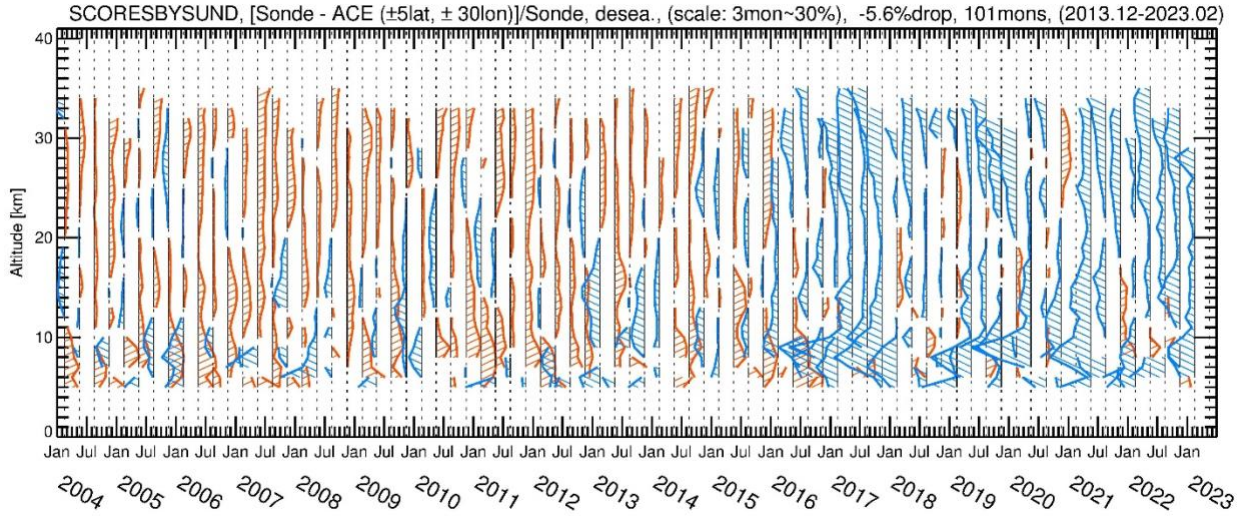

Fig. S5 Scoresbysund

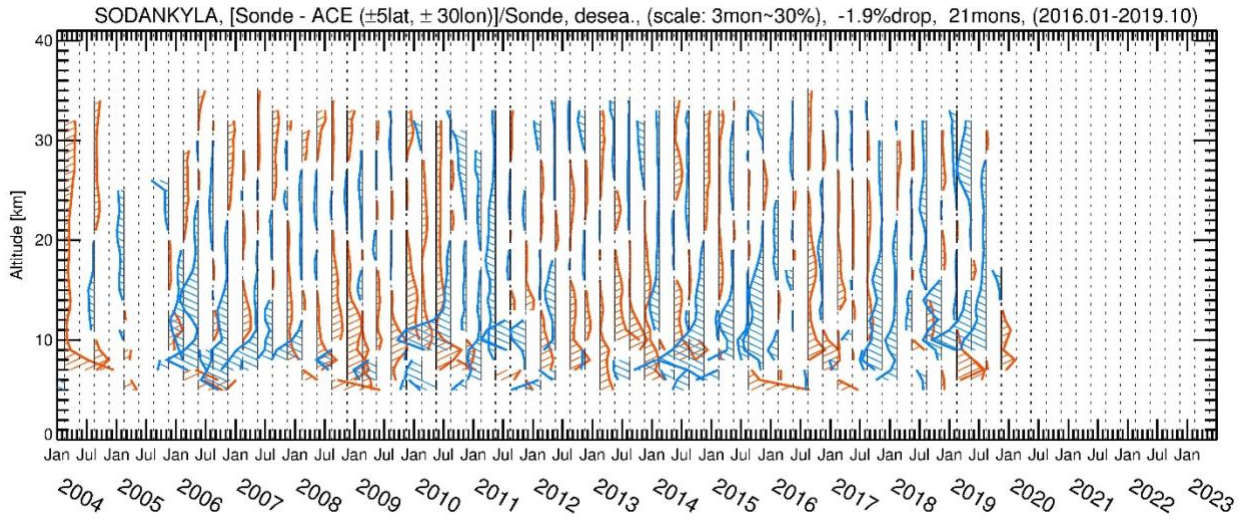

Fig. S6 Sodankyla

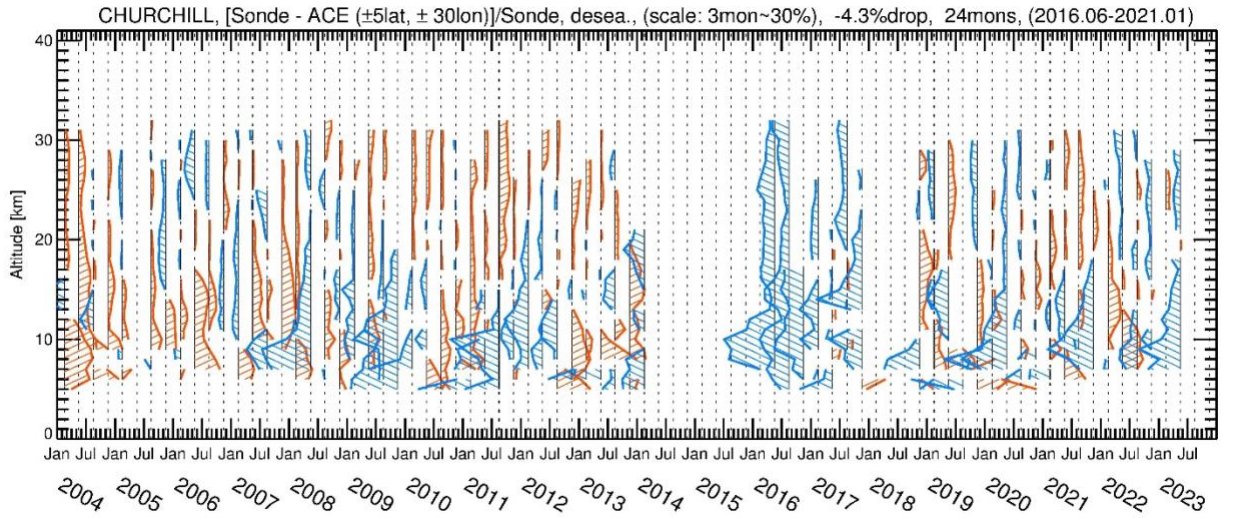

Fig. S7 Churchill

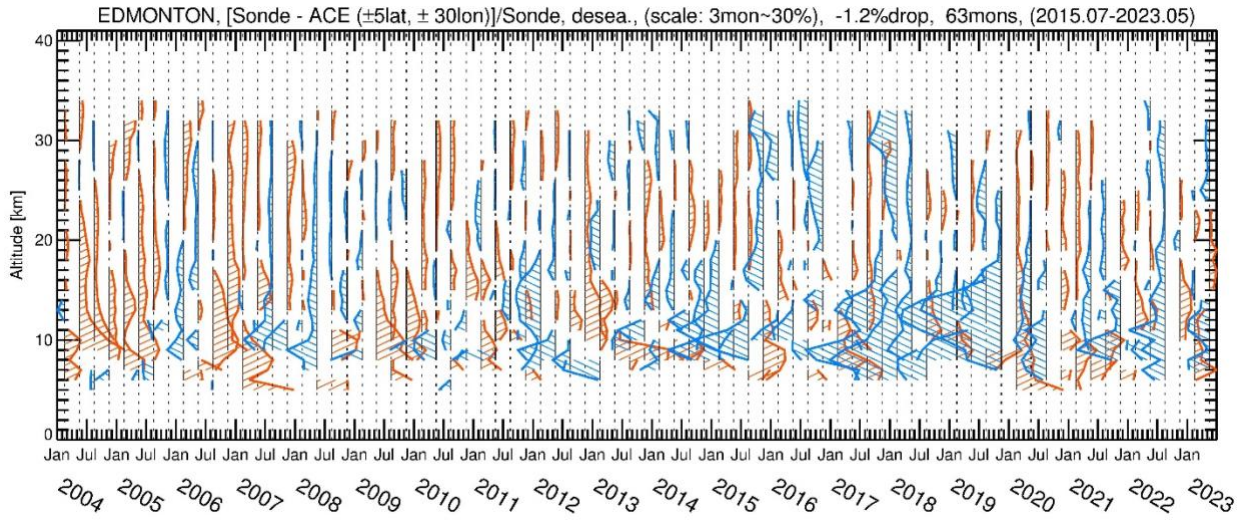

Fig. S8 Edmonton

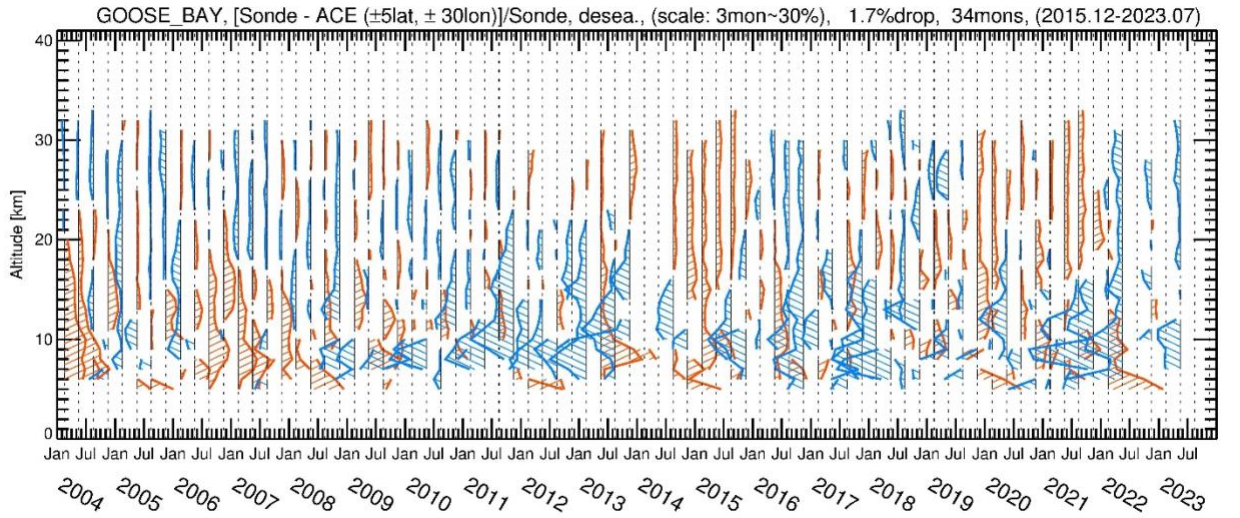

Fig. S9 Goose Bay

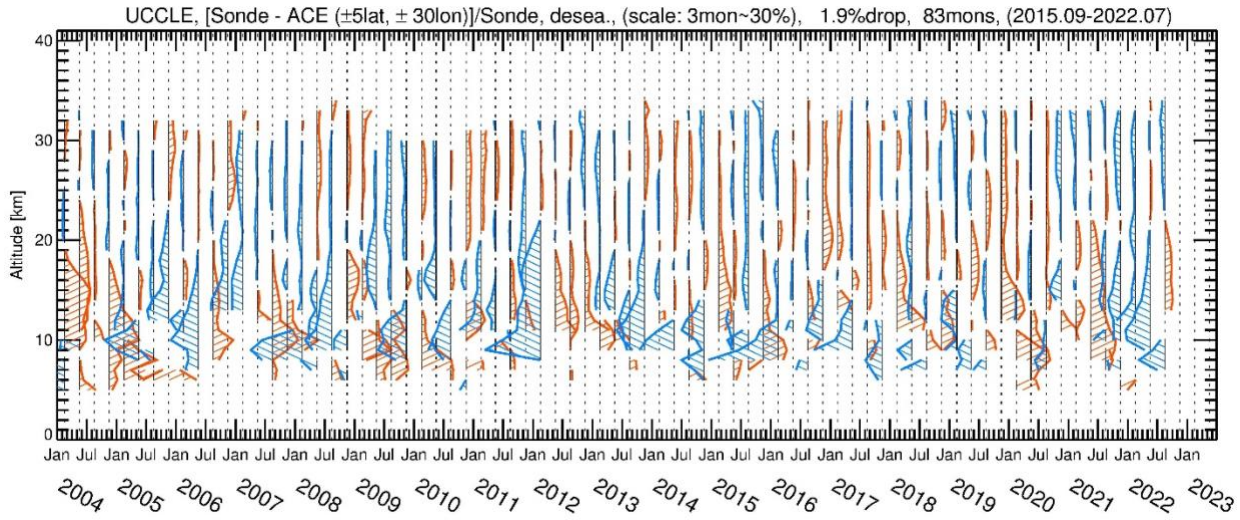

Fig. S10 UCCLE

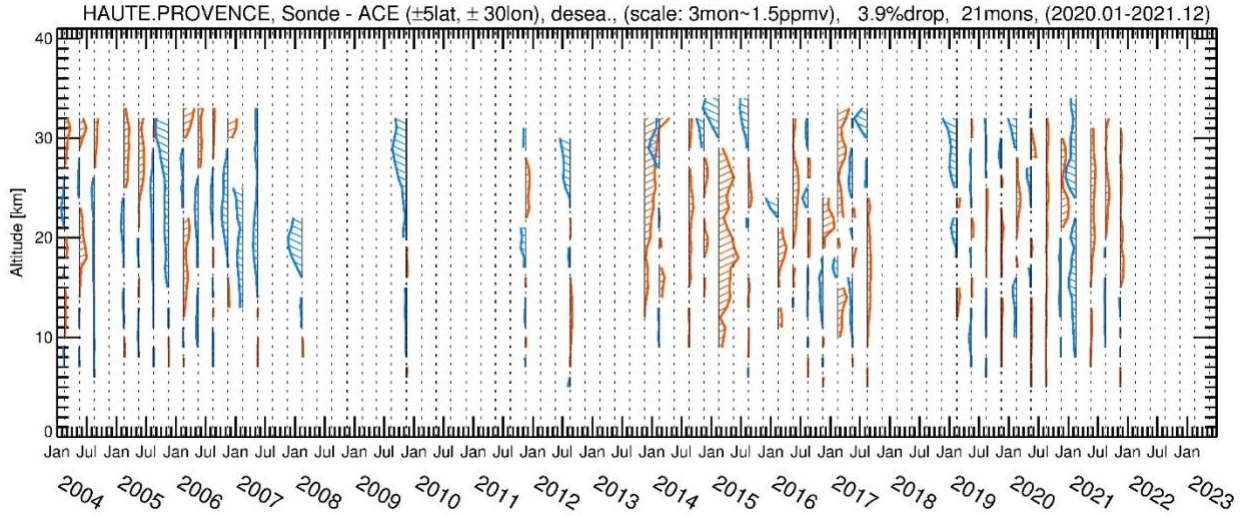

Fig. S11 OHP

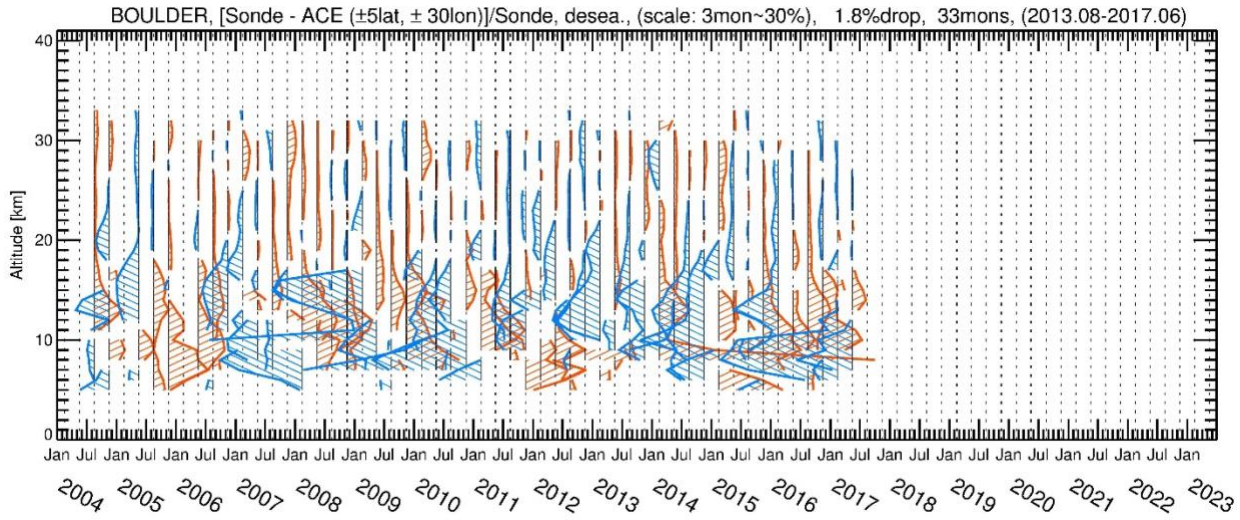

Fig. S12 Boulder

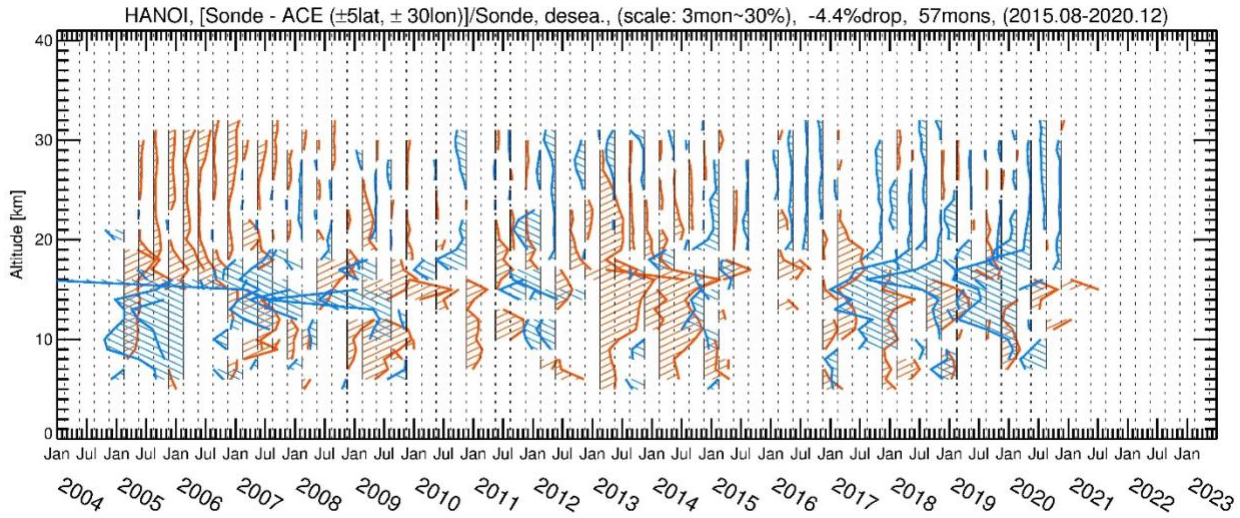

Fig. S13 Hanoi

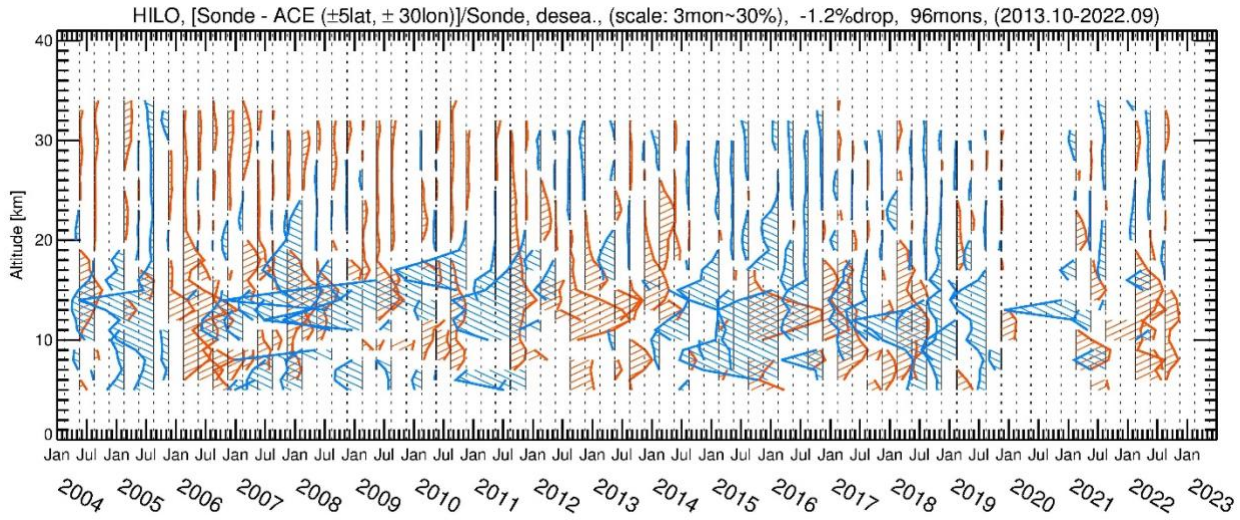

Fig. S14 Hilo

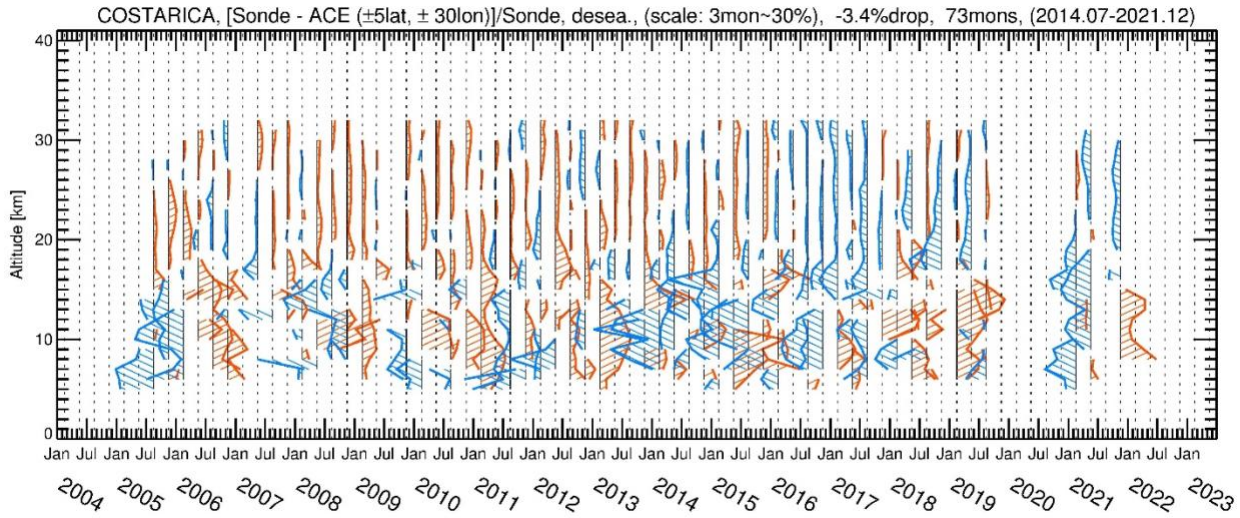

Fig. S15 Costa Rica

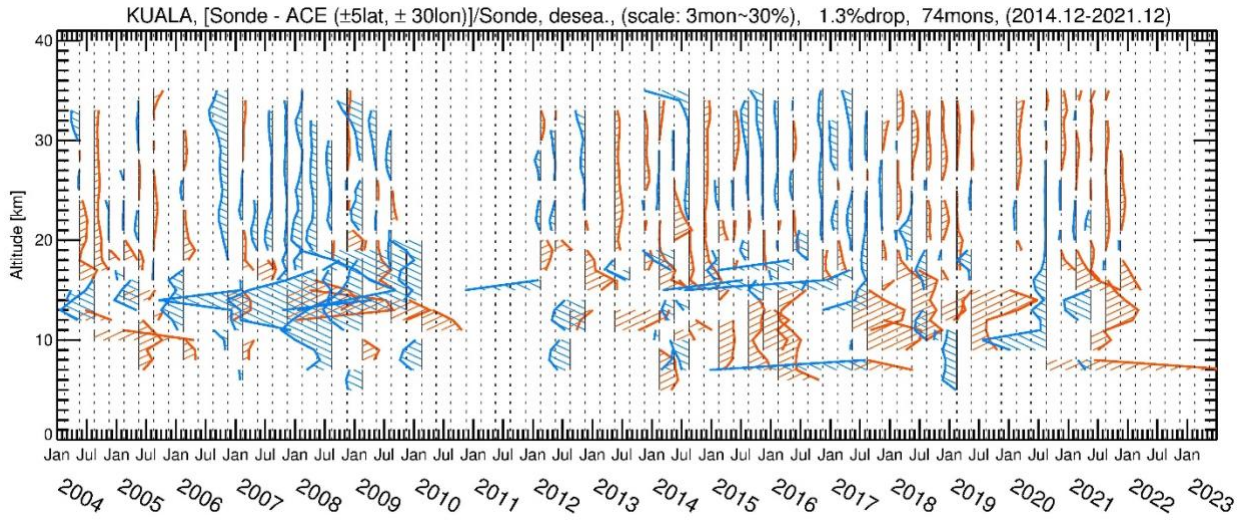

Fig. S16 Kuala Lumpur

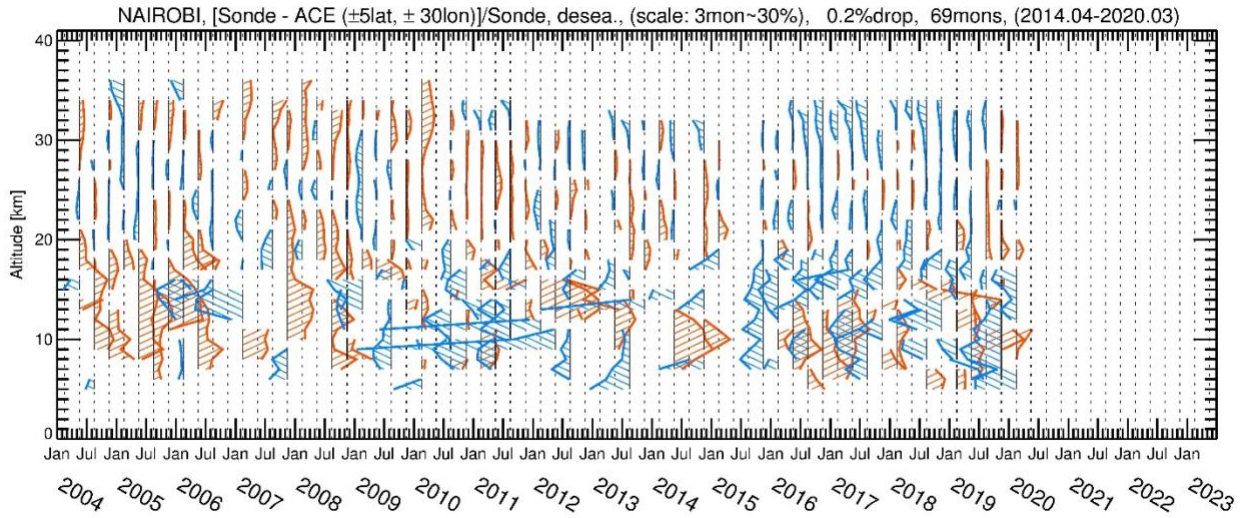

Fig. S17 Nairobi

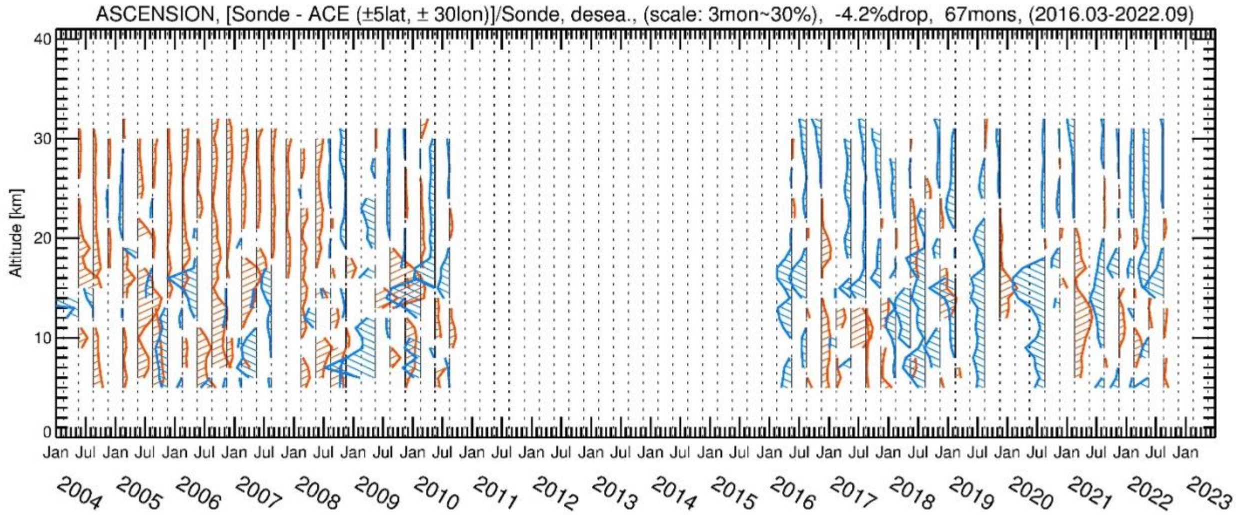

Fig. S18 Ascension

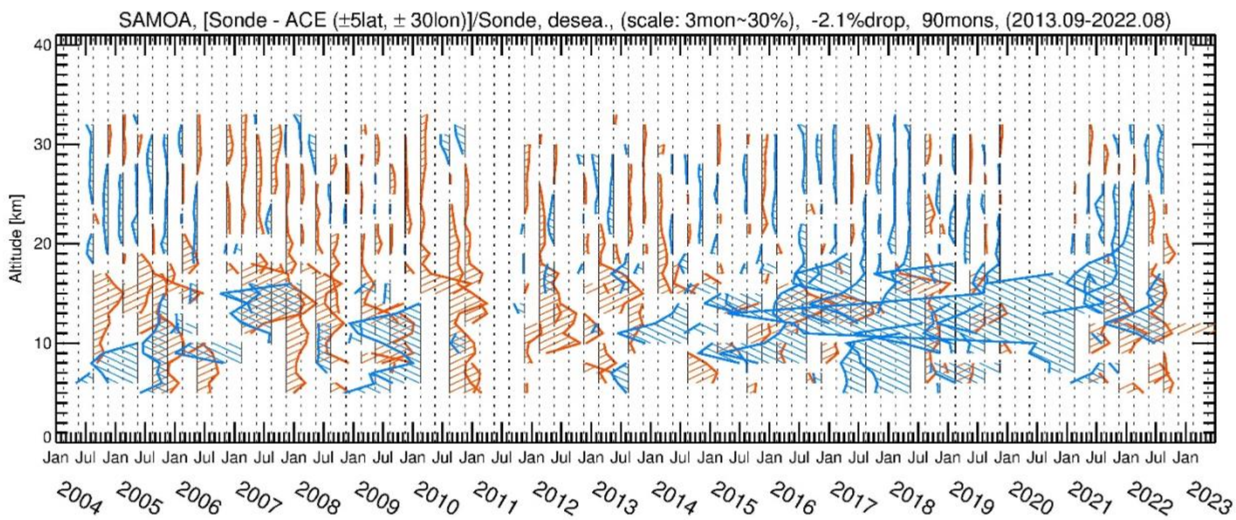

Fig. S19 Samoa

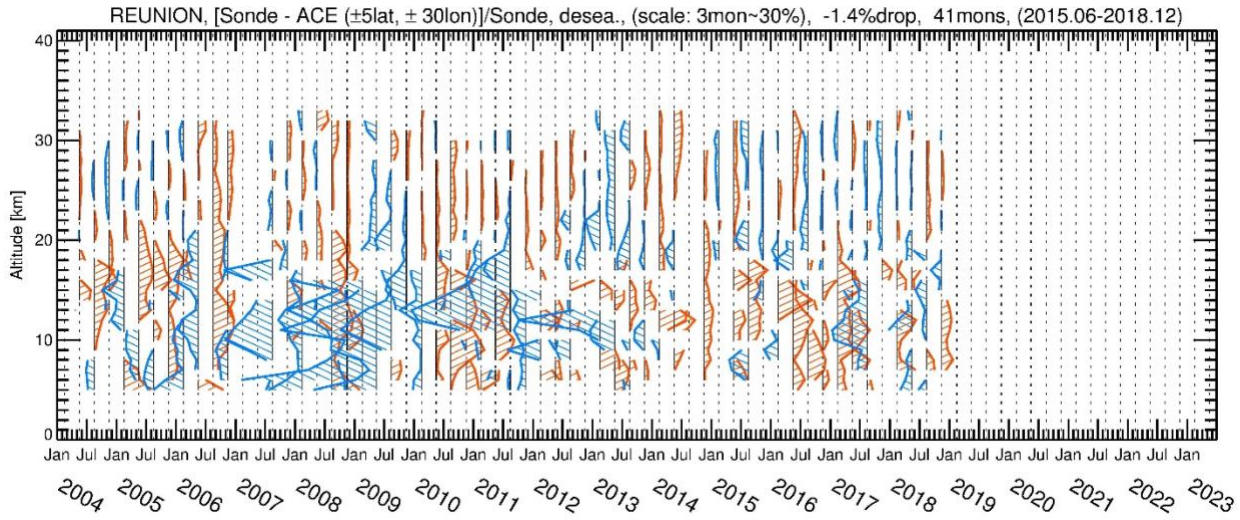

Fig. S20 Reunion

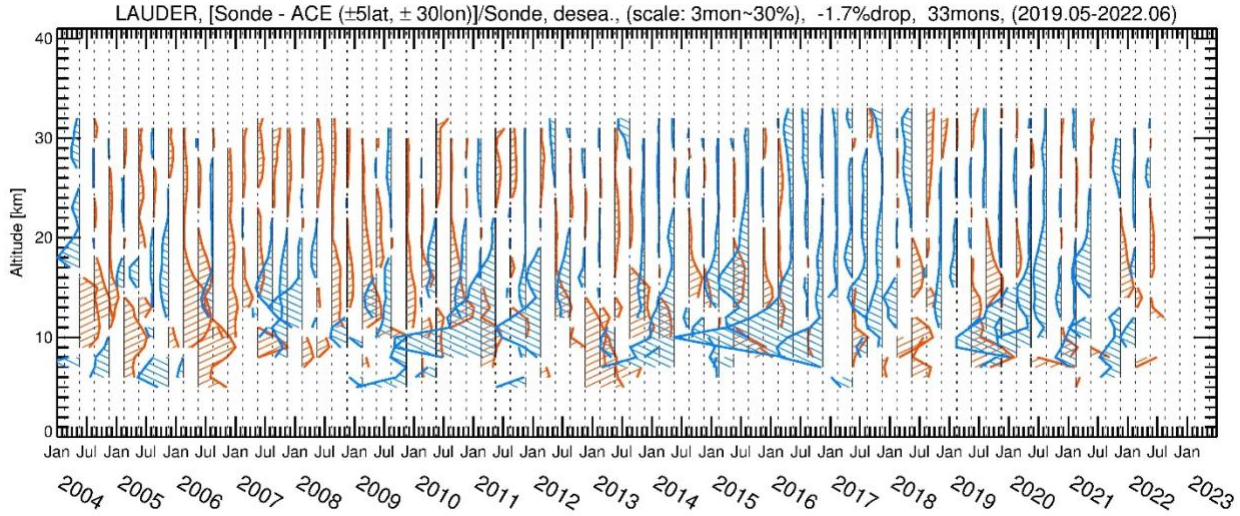

Fig. S21 Lauder

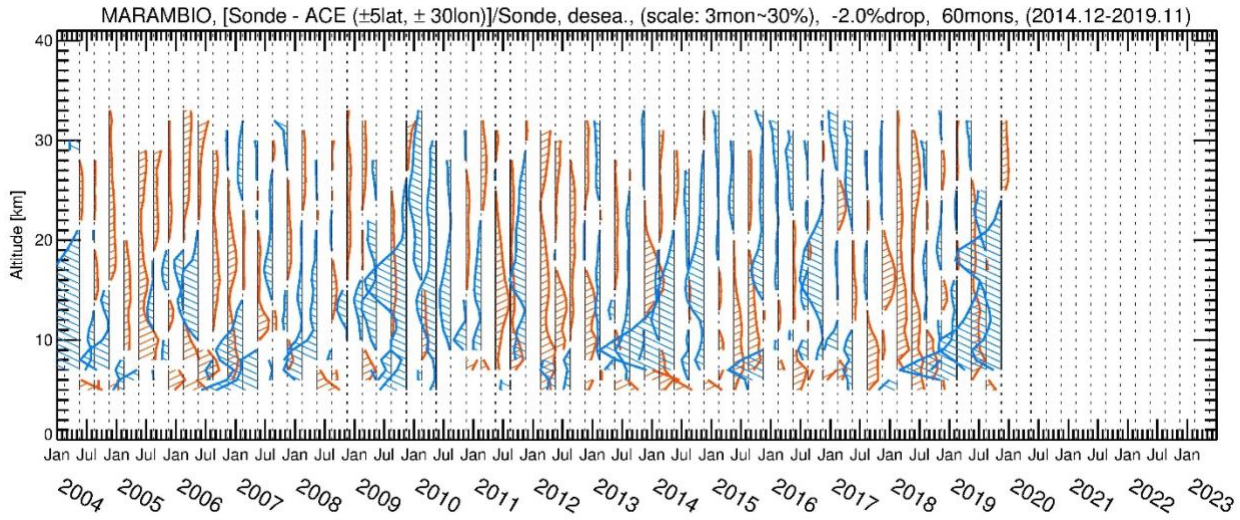

Fig. S22 Marambio

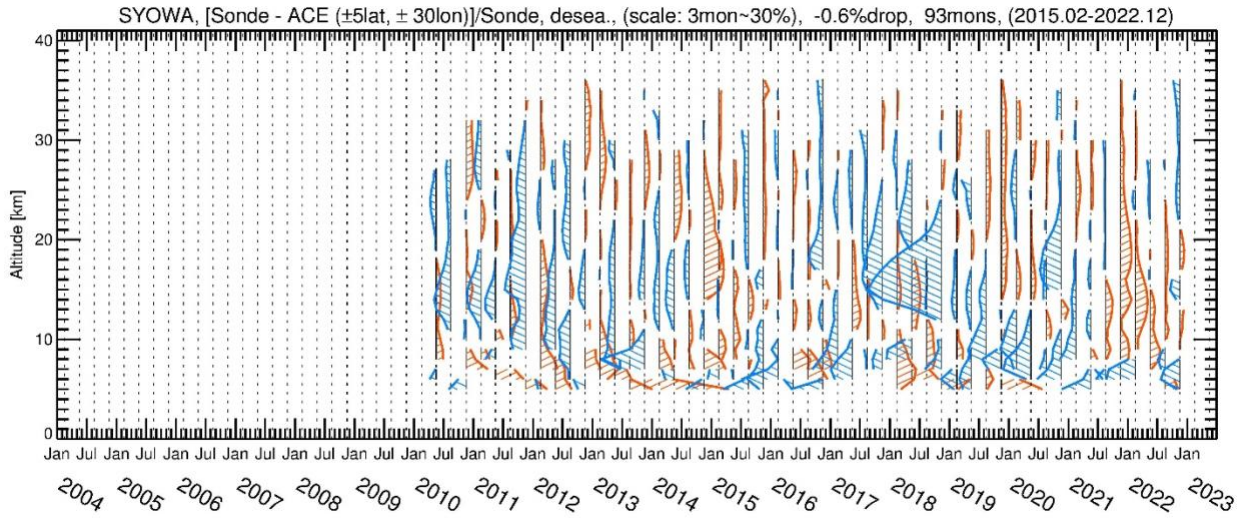

Fig. S23 Syowa