

*[JGR-Atmospheres]*

Supporting Information for

**Atmospheric transport of soil microorganisms and higher plant waxes in the East Asian outflow to the North Pacific Rim using hydroxy fatty acids: year round observations atGosan, Jeju Island**

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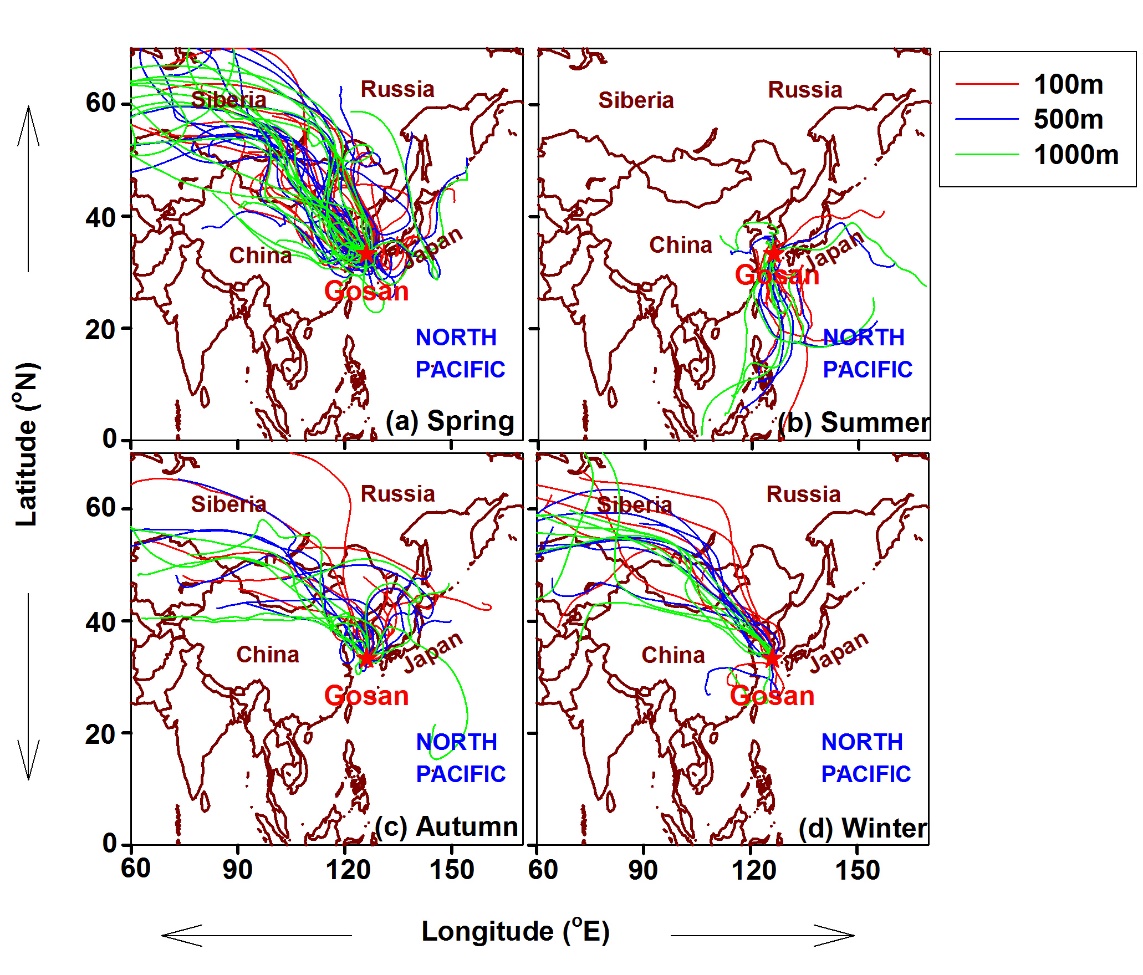
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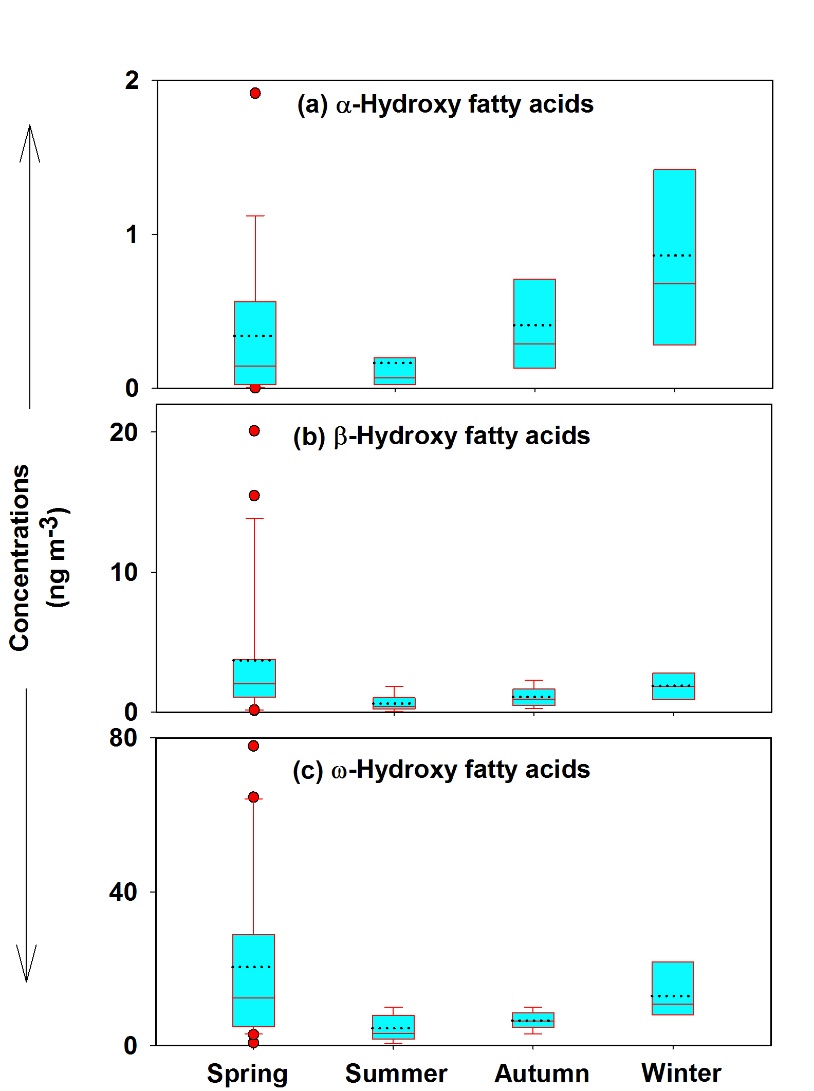
Figures S1 to S3

**Introduction**

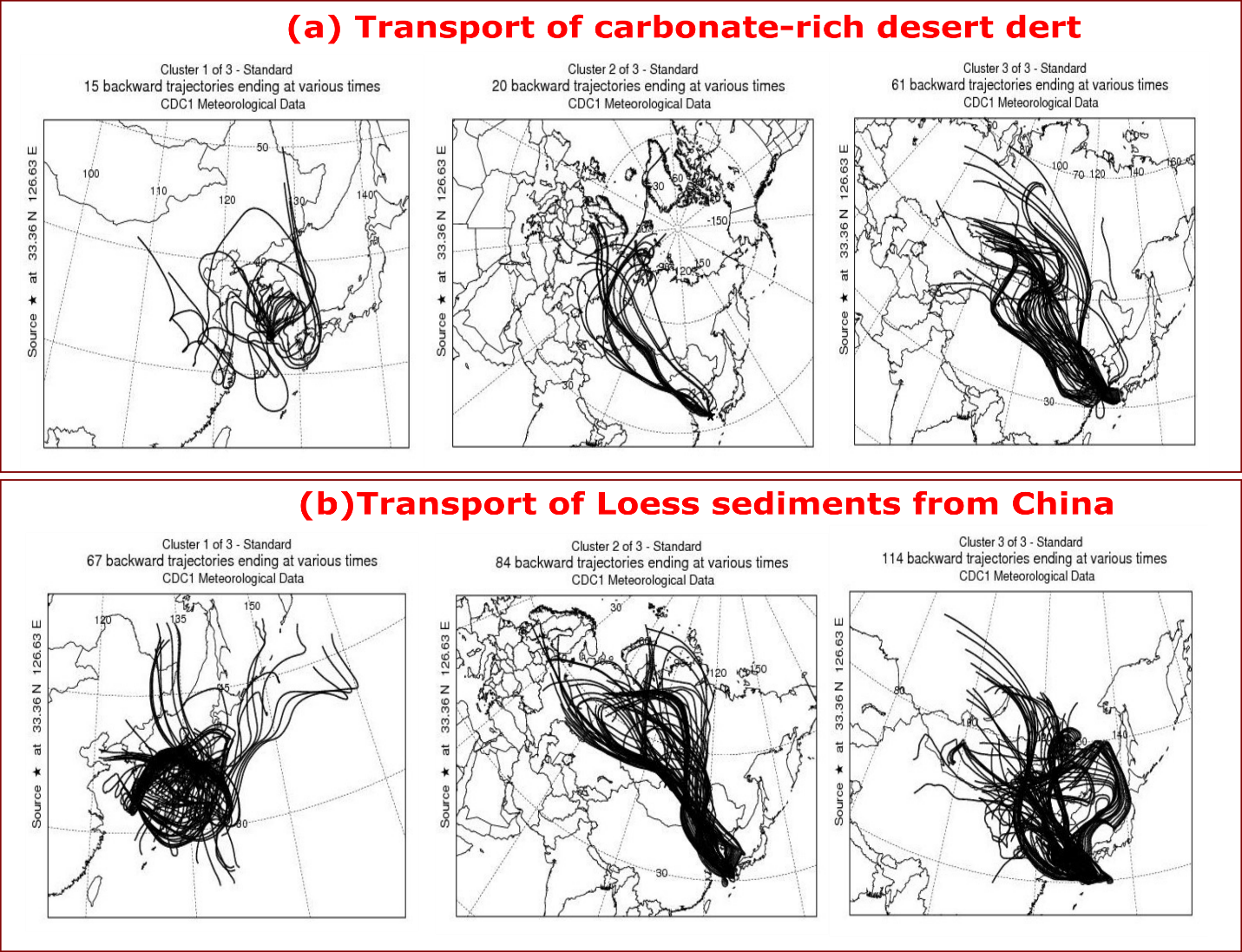
This supporting information contains three figure (one on seasonal clusters of air mass back trajectories, 2) seasonal distributions of a-, b- and w- hydroxy FAs, 3) back trajectory cluster for dust events) that are useful for better understanding the data discussed in the main MS.



**Figure S1.** 7-day isentropic air mass back-trajectories computed at arrival heights of 100, 500 and 1000 musing HYSPLIT model for the sampling days (April, 2001-March, 2002) over Gosan, Jeju Island.



**Figure S2.** Box plots, showing the seasonal variability of mean atmospheric concentrations of measured -, - and -hydroxy FAs in TSP samples collected over Gosan, Jeju Island during April, 2001–March, 2002. The lower and upper edges of the boxes represent 25 and 75 percentile data, respectively. Likewise, the bottom and top whiskers correspond to 5 and 95 percentile data, respectively. The solid and dotted lines in each box refer to median and mean concentrations, respectively.



**Figure S3.** Individual cluster of trajectories for Figure 9.