

Aerosol Characteristics in the Three Poles of the Earth Observed by CALIPSO

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Table S1. Detail information about the location and release height of HYSPLIT back trajectory simulations at ten selected sites in the Arctic (N1-N4), Antarctic (S1-S4), and TP (TP1 and TP2).

Abb.	Longitude (°)	Latitude (°)	Altitude (m)	Location
N1	-43.0	75.0	500	Greenland
N2	47.0	80.0	500	Franz Josef Land
N3	136.0	76.0	500	New Siberian Islands
N4	-122.0	73.0	500	Victoria Island
S1	-70.0	-72.0	500	Antarctic Peninsula
S2	-160.0	-75.0	500	Ross Sea
S3	30.0	-70.0	500	Dronning Maud Land
S4	122.0	-68.0	500	Wilkes Land
TP1	89.0	37.0	500	The Northern edge of TP
TP2	84.0	30.0	500	The Southern edge of TP

Noted that altitude represents the source of aerosol at this height is simulated in this study, but it is not the actual altitude of the site.