



Supplement of

The Aerosol Limb Imager: multi-spectral polarimetric observations of stratospheric aerosol

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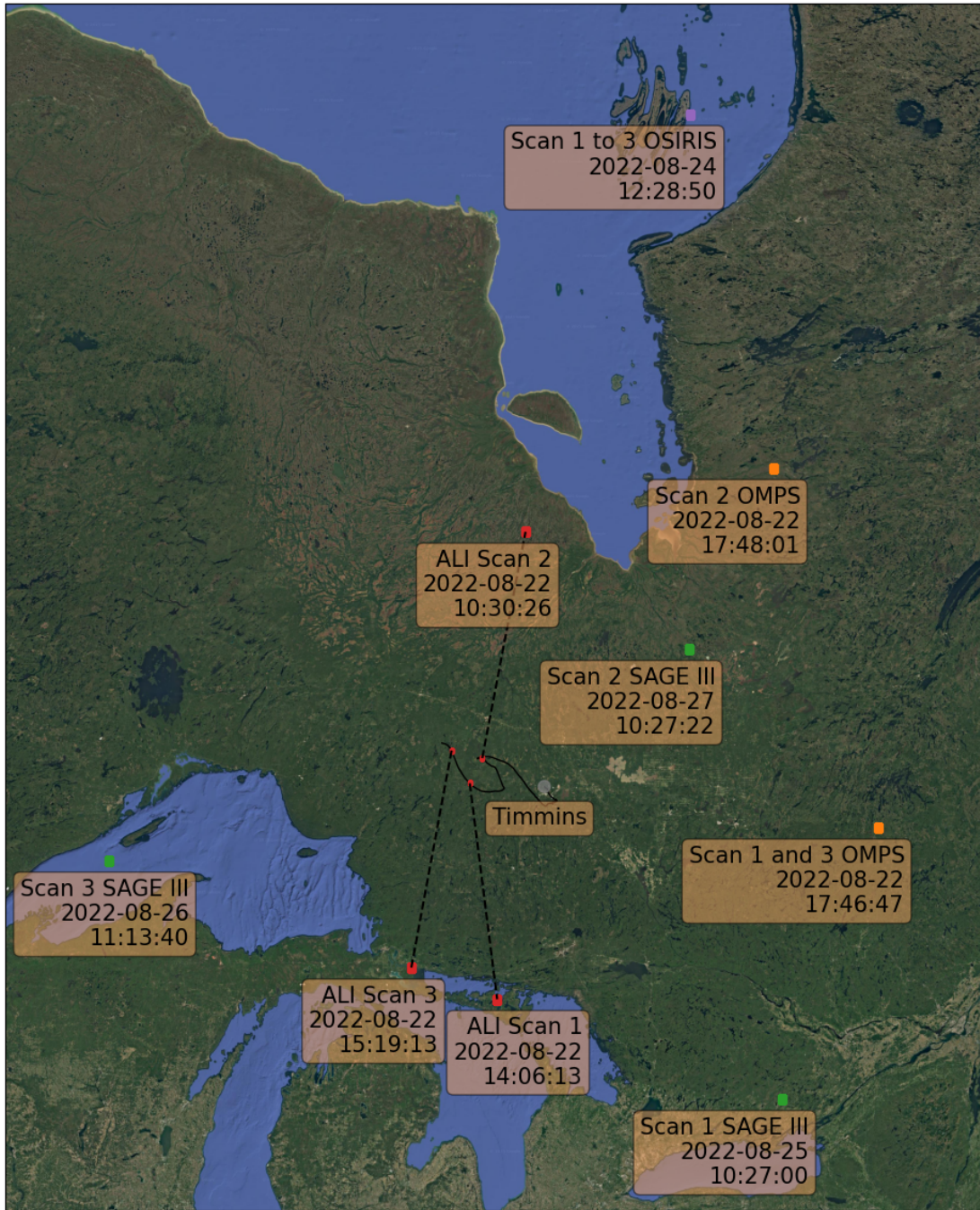


Fig. S1 Measurement coincidence of the ALI Timmins 2022 flight campaign. ALI measurement positions of each scan are constructed from the mean tangent positions of the scan. The black solid line indicates the gondola flight path. The red dots on the flight path indicated the position of ALI during each scan with the dashed black line indicating the look direction towards the scan's mean tangent position. Map tile provided by ©Google Maps.

Table. S1 Coincidence Summary of Scan 1

Instrument	UTC	Latitude	Longitude	File Identification	
ALI	2022-08-22 14:06:13	45.87	-82.24	Event ID: Tracking ID: Profile ID:	2022082521SR 322ad758-b92b-495c-aedd-00216ea88322 117716018
SAGE III	2022-08-25 10:27:00	44.56	-76.92		
OMPS	2022-08-22 17:46:47	48.06	-75.14		
OSIRIS	2022-08-24 12:28:50	56.19	-78.63		

Table. S2 Coincidence Summary of Scan 2

Instrument	UTC	Latitude	Longitude	File Identification	
ALI	2022-08-22 10:30:26	51.61	-81.71	Event ID: Tracking ID: Profile ID:	2022082721SR 322ad758-b92b-495c-aedd-00216ea88322 117716018
SAGE III	2022-08-27 10:27:22	50.23	-78.67		
OMPS	2022-08-22 17:48:01	52.34	-77.08		
OSIRIS	2022-08-24 12:28:50	56.19	-78.63		

Table. S3 Coincidence Summary of Scan 3

Instrument	UTC	Latitude	Longitude	File Identification	
ALI	2022-08-22 15:19:13	46.28	-83.84	Event ID: Tracking ID: Profile ID:	2022082622SR 322ad758-b92b-495c-aedd-00216ea88322 117716018
SAGE III	2022-08-26 11:13:40	47.64	-89.48		
OMPS	2022-08-22 17:46:47	48.06	-75.14		
OSIRIS	2022-08-24 12:28:50	56.19	-78.63		