	Relative Mean Bias Error	Linear Regression Slope	Correlation coefficient
sAOD	- 7.59 %	0.92	0.92 ± 0.0047
Ångström exponent	- 6.55 %	0.88	0.90 ± 0.1283

Table 2: Intercomparison between the three instruments in terms of sAOD and Ångström exponent.

	Li1200		LiO3S	LiO3T	
Time-series	In 2013-2017	2017-ongoing	2013-current	In 2013-2017	2017-ongoing
Elastic reception channels (nm)	355H, 355M	+ 355L, 355VL	355H, 355M	Elastic // 532 Elastic ⊥ 532	+ 532H
Geometrical form factor correction method	-	From vertical measurements	-	-	-
Polarization calibration method	-		-	Rayleigh method	3 signals method
Inversion method	Klett				
Vertical resolution range (km)	0.030 – 0.522	0.015 – 0.522	0.030 – 0.261	0.052 – 0.522	
Detection lower bound (km)	10	3	10	3	10
Detection upper bound (km)	45	45	40	25	35
Uncertainty averaged lowest values (%)	50.3 ± 29.0		64.4 ± 31.6	69.1 ± 42.7	

Table 3: Summary of the processing method and area of validity for the Level 2 products.