

Institute Instrument/algorithm	BIRA-IASB IASI/MAPIR	DLR IASI/IMARS	LMD IASI	LISA IASI/AEROIASI	KNMI GOME-2	IUP SCIAMACHY
CALIOP day and night, cumulative extinction heights						
Height difference (km)	0.590 ± 1.213	0.785 ± 1.281	-0.053 ± 1.339	0.507 ± 1.126	-0.818 ± 1.455	-0.961 ± 1.708
No. of points	2620	1420	748	2203	215	34
Inlay (%)	83.1	78.3	77.5	85.8	63.7	45.7
CALIOP day and night, geometric mean heights						
Height difference (km)	0.078 ± 1.108	0.243 ± 1.181	-0.607 ± 1.187	-0.045 ± 1.029	-1.393 ± 1.204	-1.097 ± 1.574
No. of points	2408	1296	704	1978	91	21
Inlay (%)	81.1	77.5	75.9	84.0	67.0	40.9
CALIOP day, land, cumulative extinction heights						
Height difference (km)	0.357 ± 1.665	0.405 ± 1.660	-0.102 ± 1.448	-0.225 ± 1.454	-0.229 ± 1.339	
No. of points	605	377	319	440	117	
Inlay (%)	58.5	61.0	70.2	71.4	68.4	
CALIOP day, land, geometric mean heights						
Height difference (km)	0.087 ± 1.572	-0.044 ± 1.526	-0.496 ± 1.322	-0.635 ± 1.357	-0.893 ± 0.930	
No. of points	598	393	322	425	50	
Inlay (%)	57.7	59.8	70.5	70.1	78.0	
CALIOP day, ocean, cumulative extinction heights						
Height difference (km)	0.783 ± 0.913	0.913 ± 1.539	-0.501 ± 1.409	0.172 ± 1.389	-1.477 ± 1.296	
No. of points	172	22	118	180	85	
Inlay (%)	74.4	59.1	58.5	62.2	62.4	
CALIOP day, ocean, geometric mean heights						
Height difference (km)	0.340 ± 1.187	0.184 ± 1.174	-0.922 ± 1.142	-0.285 ± 1.187	-2.015 ± 1.262	
No. of points	170	22	109	170	34	
Inlay (%)	72.4	68.2	55.0	59.4	58.8	
CALIOP night, land, cumulative extinction heights						
Height difference (km)	0.567 ± 1.020	0.906 ± 1.062	0.073 ± 1.092	0.663 ± 0.896		
No. of points	1501	996	206	1226		
Inlay (%)	91.0	84.8	92.2	91.2		
CALIOP night, land, geometric mean heights						
Height difference (km)	0.038 ± 0.903	0.358 ± 0.964	-0.579 ± 1.058	0.170 ± 0.855		
No. of points	1330	854	177	1064		
Inlay (%)	89.4	85.4	89.8	89.6		
CALIOP night, ocean, cumulative extinction heights						
Height difference (km)	1.008 ± 0.741	1.599 ± 1.127	0.352 ± 1.180	1.043 ± 0.637		
No. of points	342	25	105	357		
Inlay (%)	96.5	96.0	92.4	97.2		
CALIOP night, ocean, geometric mean heights						
Height difference (km)	0.094 ± 0.678	0.835 ± 0.720	-0.674 ± 0.878	0.152 ± 0.486		
No. of points	310	27	95	319		
Inlay (%)	95.8	96.3	91.7	96.9		