

	Frequency (%)		AOD change	
	Night	Day	Night	Day
Layer detection	20.9	17.5	$0.007 \pm 0.050$	$0.005 \pm 0.061$
CAD	11.7	12.2	$0.007 \pm 0.159$	$0.014 \pm 0.121$
Total attenuated	1.7	1.3	$0.008 \pm 0.075$	$0.003 \pm 0.047$
Surface detection	1.5	1.5	$0.001 \pm 0.025$	$0.002 \pm 0.015$
Stratospheric aerosol	5.5	4.0	$0.001 \pm 0.020$	$0.002 \pm 0.017$
Aerosol subtype	16.5	18.7	$0.003 \pm 0.081$	$-0.004 \pm 0.068$
Lidar ratio	31.5	36.8	$0.013 \pm 0.067$	$0.012 \pm 0.060$
No change	10.7	8.0	$0.003 \pm 0.040$	$0.003 \pm 0.032$
Total (number of samples)	100 (868, 893, 575)	100 (492, 266, 349)	$0.044 \pm 0.225$	$0.036 \pm 0.183$