

Mean lidar ratio (532 nm)	Volcanic eruption	Reference
Ash-dominant aerosol		
50 ± 10 sr	Eyjafjallajökull, 2010	Ansmann et al. (2011); Groß et al. (2012)
60 ± 5 sr	Eyjafjallajökull, 2010	Ansmann et al. (2010)
69 ± 13 sr	Puyehue-Cordón Caulle, 2011	Prata et al. (2017)
Sulfate-dominant aerosol		
30–50 sr	Kasatochi, 2008; Sarychev Peak, 2009	Mattis et al. (2010)
48 sr	Nabro, 2011	Sawamura et al. (2012)
55 sr	Mt. Etna, 2002	Pappalardo et al. (2004)
55 ± 4 sr	Sarychev Peak, 2009	O'Neill et al. (2012)
63 ± 14 sr	Sarychev Peak, 2009	Prata et al. (2017)
65 ± 10 sr	Kasatochi, 2008	Hoffmann et al. (2010)
66 ± 19 sr	Kasatochi, 2008	Prata et al. (2017)