

Instrument	Observing frequency <sup>b</sup>	Pixel size (km <sup>2</sup> )	Precision	Cloud contamination <sup>c</sup>	Reference
TROPOMI	once a day	7 × 7	0.6 %	91 %	Butz et al. (2012)
GeoCARB	one–four times a day	3 × 3	0.6 %	73 % <sup>d</sup>	Polonsky et al. (2014), O’Brien et al. (2016)
GEO-CAPE	once an hour	4 × 4	1 %	79 %	Fishman et al. (2012)