

Parameter	NO ₂ retrieval	CH ₂ O retrieval
Fitting window	420.0–465.0 nm	328.5–356.5 nm
NO ₂ cross section	Vandaele et al. (1998), 294 K	Vandaele et al. (1998), 294 K
CH ₂ O cross section	n/a	Chance and Orphal (2011), 300 K
O ₃ cross section	Brion et al. (1993), 218 and 295 K	Brion et al. (1993), 218 and 295 K
H ₂ O vapor cross section	Rothman et al. (2013), 288 K, 1 atm	n/a
BrO cross section	n/a	Wilmouth et al. (1999), 228 K
O ₂ –O ₂ cross section	Thalman and Volkamer (2013), 293 K	Thalman and Volkamer (2013), 293 K
Undersampling	Chance et al. (2005)	Chance et al. (2005)
Ring spectrum	Chance and Spurr (1997)	Chance and Spurr (1997)
Scaling polynomial	Fifth order	Fifth order
Baseline polynomial	Fourth order	Fourth order
Wavelength shift		