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Non-thermal desorption of complex organic molecules

Efficient CH_3OH and CH_3COOCH_3 sputtering by cosmic rays *(Corrigendum)*

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A typographical error must be corrected in Table 2. The integrated band strength (A value, cm molec^{-1}) for the CO_2 stretch at 2350 cm^{-1} was incorrectly typeset and attributed the same value as the CH_3OH C–O stretch (1.8×10^{-17}cm molec^{-1}), and the reference D'Hendecourt & Allamandola (1986). They have been replaced in Table 2.

Table 2. Integrated band strengths used in the analysis.

Species	Mode	Position cm^{-1}	A cm molec^{-1}	Ref.
CO	CO stretch	2140	1.1×10^{-17}	Jiang et al. (1975)
			1.1×10^{-17}	Gerakines et al. (1995)
			1.12×10^{-17}	Bouilloud et al. (2015)
			1.1×10^{-17}	Adopted for this work
CO_2	CO_2 stretch	2350	7.6×10^{-17}	Gerakines et al. (1995)
H_2O	OH stretch	3600–2700	2.2×10^{-16}	D'Hendecourt & Allamandola (1986)
			$2.2 \pm^{0}_{0.2} \times 10^{-16}$	Adopted for this work
CH_3OH	OH stretch	3600–2700	1.1×10^{-16}	D'Hendecourt & Allamandola (1986)
			1.28×10^{-16}	Palumbo et al. (1999)
			1.0×10^{-16}	Bouilloud et al. (2015)
			$1.1 \pm 0.15 \times 10^{-16}$	Adopted for this work
CH_3OH	C–O stretch	1030	1.8×10^{-17}	D'Hendecourt & Allamandola (1986)
			1.8×10^{-17}	Sandford & Allamandola (1993)
			1.2×10^{-17}	Palumbo et al. (1999)
			1.07×10^{-17}	Bouilloud et al. (2015)
			$1.5 \pm^{0.3}_{0.4} \times 10^{-17}$	Adopted for this work
CH_3COOCH_3	C–O stretch	1255	5×10^{-17} [(a)]	D'Hendecourt & Allamandola (1986)
			$5 \pm 0 \times 10^{-17}$	Adopted for this work

Notes. [(a)]Band strength from the CO stretching mode of ethyl acetate measurement.