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Erratum

Infra-red Molecular Line Emission from Grain Surfaces in Dense Clouds

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The following version of Table 4 was submitted with the published article, but an earlier incorrect version was inadvertently printed. It should be noted that the infra-red flux in the last column was deduced from the mean interstellar ultra-violet radiation field and not from a local ultra-violet source. It is now apparent that such a local source is necessary to explain the intensities of the features in at least some of the observed fluorescing regions. See article by L. J. Allamandola, J. M. Greenberg, and C. A. Norman in this issue.

Table 4. Infra-red line intensity estimates at the top of the atmosphere

Molecule	Rel. Velocity required to excite transition 10^4 cm s^{-1}	R^{coll} cm^{-3} s^{-1}	I^{coll} [a] W cm^{-2}	R^{ch} cm^{-3} s^{-1}	I^{ch} W cm^{-2}	R^{ph} cm^{-3} s^{-1}	I^{ph} W cm^{-2}
N_2O	6.0	10^{-17}	$1.8\ 10^{-21}$	$3\ 10^{-12}$	$1.3\ 10^{-18}$	$3\ 10^{-11}$	$1.3\ 10^{-17}$
NO_2	5.9	10^{-17}	$1.8\ 10^{-21}$	$3\ 10^{-12}$	$1.4\ 10^{-18}$	$3\ 10^{-11}$	$1.4\ 10^{-17}$
CO_2	6.0	10^{-13}	$1.8\ 10^{-17}$	$3\ 10^{-12}$	$1.5\ 10^{-18}$	$3\ 10^{-11}$	$1.5\ 10^{-17}$
HCN	7.9	10^{-12}	$1.8\ 10^{-16}$	$3\ 10^{-12}$	$1.6\ 10^{-18}$	$3\ 10^{-11}$	$1.6\ 10^{-17}$
H_2C_2	8.5	10^{-13}	$1.8\ 10^{-17}$	$3\ 10^{-12}$	$1.6\ 10^{-18}$	$3\ 10^{-11}$	$1.6\ 10^{-17}$
					$2.0\ 10^{-18}$	$3\ 10^{-11}$	$2.0\ 10^{-17}$
NH_3	12	10^{-11}	$1.8\ 10^{-15}$	$3\ 10^{-12}$	$1.5\ 10^{-18}$		$1.5\ 10^{-17}$
	9.6				$2.6\ 10^{-18}$	$3\ 10^{-11}$	$2.6\ 10^{-17}$
H_2CO	10	10^{-13}	$1.8\ 10^{-17}$	$3\ 10^{-12}$	$2.8\ 10^{-18}$	$3\ 10^{-11}$	$2.8\ 10^{-17}$
CO	13	10^{-9}	$1.8\ 10^{-13}$	$3\ 10^{-12}$	$4.7\ 10^{-17}$	$3\ 10^{-11}$	$4.7\ 10^{-17}$

[a] All intensities are in watts per square centimeter at the top of the atmosphere

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