

Object	Line	Frequency (Ghz)
Orion KL	CO $J=3\rightarrow2$	345.78
	SiO $J=8\rightarrow7$	347.3
	Molecular hydrocarbons	346.2 – 347
IRAS2a (NGC1333)	CO $J=3\rightarrow2$	345.8
IRC+10216	CS $J=7\rightarrow6$	342.88
	SiS $J=19\rightarrow18$	344.78
	H ¹³ CN $J=4\rightarrow3$	345.34
	CO $J=3\rightarrow2$	345.8
NGC7538	CO $J=3\rightarrow2$	345.8
	CH ₂ CO $J=17\rightarrow16$	346.6

Table I: Objects and Lines