CS, frown, $T_{rot} = 6.0$ K, $N_{tot} = 4e{+}13$ cm^{-2}, $v_{cen} = 10.0$ km s^{-1}, $v_{disp} = 1.5$ km s^{-1}

$E_U = 7.05$ K
$\log_{10}(A_{i,j}) = -4.77$

$E_U = 14.11$ K
$\log_{10}(A_{i,j}) = -4.21$

$E_U = 35.27$ K
$\log_{10}(A_{i,j}) = -3.52$