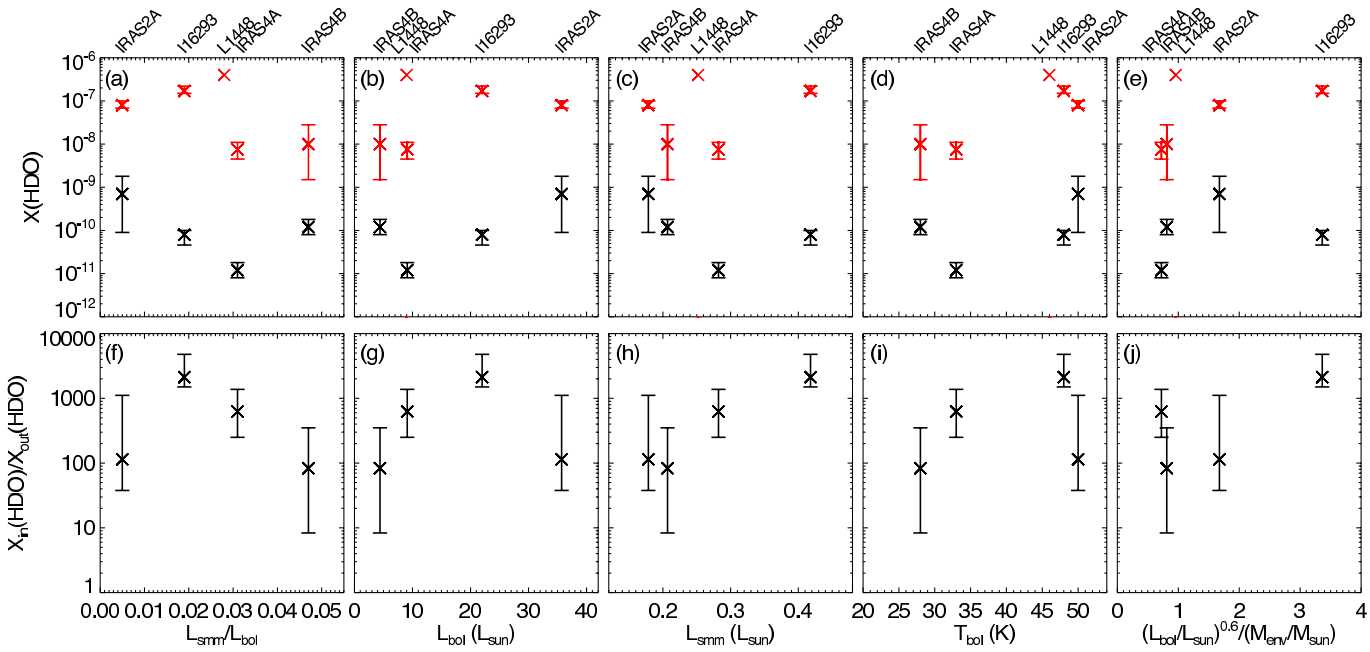
IRAS2A
I16293
L1448
IRAS4A
IRAS4B
IRAS4B
L1448
IRAS4A
I16293
IRAS2A
IRAS2A
IRAS4B
L1448
IRAS4A
I16293
IRAS4B
IRAS4A
L1448
I16293
IRAS2A
IRAS4A
IRAS4B
L1448
IRAS2A
I16293
(a)
(b)
(c)
(d)
(e)
X(HDO)
10^-6
10^-7
10^-8
10^-9
10^-10
10^-11
10^-12
(f)
(g)
(h)
(i)
(j)
X_in(HDO)/X_out(HDO)
10000
1000
100
10
1
0.00 0.01 0.02 0.03 0.04 0.05
L_smm/L_bol
0 10 20 30 40
L_bol (L_sun)
0.2 0.3 0.4
L_smm (L_sun)
20 25 30 35 40 45 50
T_bol (K)
0 1 2 3 4
(L_bol/L_sun)^0.6/(M_env/M_sun)