

$^{50}\text{Ti}^{35}\text{Cl}$ Assigned Transitions

Transitions are labeled using four columns, the excited state J value (J'), the ground state J value (J''), the observed transition wavenumber (Observed) and the fit residual multiplied by 10^3 (O-C).

${}^4\Gamma_{5/2} - X^4\Phi_{3/2} (0,0)$

J'	J''	Observed	O-C	J'	J''	Observed	O-C
7.5	6.5	23846.5707	3.3	12.5	13.5	23839.9417	-0.1
8.5	7.5	23846.8975	5.5	13.5	14.5	23839.6322	-3.4
9.5	8.5	23847.2211	3.7	14.5	15.5	23839.3293	-1.0
10.5	9.5	23847.5473	3.7	15.5	16.5	23839.0301	4.2
11.5	10.5	23847.8747	4.1	16.5	17.5	23838.7261	3.8
12.5	11.5	23848.2009	2.5	17.5	18.5	23838.4253	5.6
13.5	12.5	23848.5294	2.4	18.5	19.5	23838.1177	-0.3
14.5	13.5	23848.8601	3.6	19.5	20.5	23837.8197	2.6
15.5	14.5	23849.1868	0.1	20.5	21.5	23837.5172	-0.1
16.5	15.5	23849.5177	-0.1	21.5	22.5	23837.2150	-3.3
17.5	16.5	23849.8497	0.1	22.5	23.5	23836.9183	-1.9
18.5	17.5	23850.1813	-1.0	23.5	24.5	23836.6250	1.9
19.5	18.5	23850.5122	-3.6	24.5	25.5	23836.3254	-1.5
20.5	19.5	23850.8490	-1.0	25.5	26.5	23836.0248	-6.9
21.5	20.5	23851.1797	-5.5	26.5	27.5	23835.7370	-0.4
22.5	21.5	23851.5188	-2.3	27.5	28.5	23835.4414	-2.7
26.5	25.5	23852.8811	8.2	28.5	29.5	23835.1476	-4.1
27.5	26.5	23853.2167	3.8	29.5	30.5	23834.8702	9.8
28.5	27.5	23853.5474	-6.4				