

Supplementary Material:

9_0^1 Band Results for Rotational Analysis Least-Squares Fitting: Calculated and Observed Lines. All values are in cm^{-1} except for the line intensities. Negative observed values indicate that the line was not included in the fit.

Constant:	Fitted Value	Std. Deviation
A	1.8552	1.4×10^{-3}
B	0.40405	1.3×10^{-4}
C	0.339395	9.3×10^{-5}
D_K	6.2×10^{-5}	4.5×10^{-5}
Origin	37664.2249	0.0078
Overall Standard Deviation: 0.02		

	Upper State			Lower State			Obs.	Cal. cm^{-1}	Resid	Int
	J	K_a	K_c	J	K_a	K_c				
B	14	1	14	13	0	13	37672.67	37672.69	-0.02	2.09
B	12	1	12	11	0	11	37672.00	37671.97	0.03	2.62
B	10	1	10	9	0	9	37671.23	37671.20	0.03	2.99
B	9	1	9	8	0	8	37670.82	37670.79	0.03	3.07
B	8	1	8	7	0	7	37670.35	37670.35	0.00	3.08
B	7	1	7	6	0	6	37669.95	37669.89	0.06	3.00
B	6	1	6	5	0	5	37669.44	37669.40	0.04	2.84
B	5	1	5	4	0	4	37668.90	37668.88	0.02	2.60
B	4	1	4	3	0	3	37668.30	37668.32	-0.02	2.29
B	3	1	3	2	0	2	37667.71	37667.73	-0.01	1.91
B	11	1	10	11	0	11	37667.70	37667.69	0.01	2.30
B	10	1	9	10	0	10	37667.36	37667.34	0.02	2.74
B	2	1	2	1	0	1	37667.07	37667.09	-0.02	1.47
B	9	1	8	9	0	9	37667.07	37667.03	0.04	3.17
B	8	1	7	8	0	8	37666.70	37666.75	-0.04	3.54
B	7	1	6	7	0	7	37666.48	37666.50	-0.02	3.80
B	6	1	5	6	0	6	37666.30	37666.30	0.01	3.92
B	5	1	4	5	0	5	37666.14	37666.12	0.02	3.84
B	4	1	3	4	0	4	37666.00	37665.98	0.02	3.55
B	3	1	2	3	0	3	37665.82	37665.87	-0.05	3.04
C	1	1	1	1	0	1	37665.71	37665.67	0.04	1.12
C	2	1	2	2	0	2	37665.58	37665.59	-0.01	1.82
C	3	1	3	3	0	3	37665.47	37665.48	-0.01	2.46
C	4	1	4	4	0	4	37665.32	37665.33	-0.01	3.02
C	5	1	5	5	0	5	37665.11	37665.15	-0.04	3.47
C	6	1	6	6	0	6	37664.93	37664.94	-0.01	3.80
C	7	1	7	7	0	7	37664.67	37664.70	-0.03	4.01
C	8	1	8	8	0	8	37664.44	37664.44	0.00	4.10
C	9	1	9	9	0	9	37664.17	37664.16	0.01	4.06
C	10	1	10	10	0	10	37663.85	37663.86	-0.01	3.91
C	9	7	2	8	6	2	37663.76	37663.74	0.02	0.40
C	11	1	11	11	0	11	37663.54	37663.55	-0.01	3.67
C	12	1	12	12	0	12	37663.24	37663.23	0.01	3.34
C	13	1	13	13	0	13	37662.89	37662.90	-0.01	2.97
C	14	1	14	14	0	14	37662.59	37662.56	0.02	2.58
C	8	0	8	8	1	8	37662.38	37662.41	-0.02	4.34
C	9	0	9	9	1	9	37662.38	37662.40	-0.02	4.34
C	7	0	7	7	1	7	37662.38	37662.38	0.00	4.20
C	10	0	10	10	1	10	37662.32	37662.37	-0.05	4.19
C	15	1	15	15	0	15	-37662.19	37662.22	-0.03	2.18

C	12	0	12	12	1	12	37662.21	37662.19	0.02	3.56
C	13	0	13	13	1	13	37662.05	37662.05	0.00	3.14
B	1	0	1	1	1	0	37661.95	37661.98	-0.03	1.40
B	2	0	2	2	1	1	37661.89	37661.91	-0.02	2.19
C	16	1	16	16	0	16	-37661.93	37661.87	0.06	1.80
C	14	0	14	14	1	14	37661.87	37661.87	0.00	2.70
B	3	0	3	3	1	2	37661.81	37661.80	0.00	2.80
C	15	0	15	15	1	15	37661.65	37661.66	-0.01	2.27
B	4	0	4	4	1	3	37661.65	37661.65	0.00	3.19
C	17	1	17	17	0	17	-37661.65	37661.51	0.13	1.45
B	5	0	5	5	1	4	37661.44	37661.45	-0.01	3.34
C	16	0	16	16	1	16	37661.44	37661.42	0.02	1.86
C	0	0	0	1	1	0	37661.18	37661.24	-0.05	0.71
B	6	0	6	6	1	5	37661.18	37661.18	0.00	3.27
C	17	0	17	17	1	17	37661.17	37661.16	0.01	1.49
C	18	0	18	18	1	18	37660.79	37660.87	-0.08	1.17
B	7	0	7	7	1	6	37660.86	37660.85	0.01	3.02
C	19	0	19	19	1	19	37660.54	37660.55	-0.01	0.90
B	8	0	8	8	1	7	37660.45	37660.44	0.00	2.66
C	1	0	1	2	1	1	37660.45	37660.43	0.02	1.02
C	20	0	20	20	1	20	37660.19	37660.21	-0.02	0.68
B	9	0	9	9	1	8	37659.98	37659.96	0.03	2.24
C	2	0	2	3	1	2	37659.57	37659.58	-0.01	1.27
B	10	0	10	10	1	9	37659.31	37659.38	-0.07	1.82
B	11	0	11	11	1	10	37658.74	37658.73	0.01	1.43
C	3	0	3	4	1	3	37658.74	37658.70	0.04	1.45
B	12	0	12	12	1	11	37657.97	37657.99	-0.02	1.10
C	4	0	4	5	1	4	37657.78	37657.77	0.00	1.53
C	5	0	5	6	1	5	37656.78	37656.79	-0.01	1.52
C	6	0	6	7	1	6	37655.79	37655.76	0.03	1.43
C	1	1	0	2	2	0	37655.44	37655.39	0.05	0.88
C	1	1	1	2	2	1	37655.40	37655.33	0.07	0.87
C	2	1	1	3	2	1	37654.64	37654.69	-0.05	0.95
C	7	0	7	8	1	7	37654.64	37654.66	-0.02	1.29
C	2	1	2	3	2	2	37654.48	37654.50	-0.02	0.92
C	3	1	2	4	2	2	37654.01	37654.01	0.00	1.03
C	3	1	3	4	2	3	37653.58	37653.64	-0.06	0.96
C	8	0	8	9	1	8	37653.49	37653.49	0.00	1.11
C	4	1	3	5	2	3	37653.39	37653.34	0.05	1.09
C	4	1	4	5	2	4	37652.74	37652.73	0.01	0.97
C	5	1	4	6	2	4	37652.74	37652.68	0.06	1.13
C	9	0	9	10	1	9	37652.24	37652.23	0.01	0.92
C	6	1	5	7	2	5	37652.06	37652.03	0.04	1.14
C	5	1	5	6	2	5	37651.76	37651.79	-0.03	0.95
C	7	1	6	8	2	6	37651.31	37651.36	-0.05	1.11
C	10	0	10	11	1	10	37650.89	37650.90	-0.01	0.74
C	6	1	6	7	2	6	37650.80	37650.80	0.00	0.91
C	8	1	7	9	2	7	37650.65	37650.67	-0.02	1.06
C	9	1	8	10	2	8	37649.95	37649.96	-0.01	0.98
C	7	1	7	8	2	7	37649.70	37649.77	-0.07	0.84
C	10	1	9	11	2	9	37649.15	37649.21	-0.06	0.88
C	8	1	8	9	2	8	37648.66	37648.69	-0.03	0.75
C	11	1	10	12	2	10	37648.38	37648.40	-0.02	0.76
B	2	2	0	3	3	1	37648.00	37648.00	0.00	1.39
C	2	2	0	3	3	0	37648.00	37648.00	0.00	1.06
C	2	2	1	3	3	1	37648.00	37648.00	0.00	1.06
B	2	2	1	3	3	0	37648.00	37648.00	0.00	1.39
C	9	1	9	10	2	9	37647.57	37647.57	0.00	0.66
C	12	1	11	13	2	11	37647.57	37647.53	0.03	0.64
B	3	2	1	4	3	2	37647.25	37647.24	0.01	1.35
C	3	2	1	4	3	1	37647.25	37647.24	0.01	1.04

C	3	2	2	4	3	2	37647.25	37647.23	0.02	1.04
B	3	2	2	4	3	1	37647.25	37647.23	0.02	1.35
B	4	2	2	5	3	3	37646.48	37646.48	0.00	1.30
C	4	2	2	5	3	2	37646.48	37646.48	0.00	1.02
C	4	2	3	5	3	3	37646.45	37646.45	0.00	1.02
B	4	2	3	5	3	2	37646.45	37646.45	0.00	1.31
B	5	2	3	6	3	4	37645.75	37645.73	0.02	1.24
C	5	2	3	6	3	3	37645.75	37645.73	0.02	0.98
C	5	2	4	6	3	4	37645.66	37645.66	0.00	0.99
B	5	2	4	6	3	3	37645.66	37645.66	0.00	1.25
B	6	2	4	7	3	5	37645.00	37645.00	0.00	1.16
C	6	2	4	7	3	4	37645.00	37645.00	0.00	0.93
C	6	2	5	7	3	5	37644.85	37644.86	-0.01	0.94
B	6	2	5	7	3	4	37644.85	37644.85	-0.01	1.17
B	7	2	5	8	3	6	37644.29	37644.29	0.00	1.07
C	7	2	5	8	3	5	37644.29	37644.29	0.01	0.86
C	7	2	6	8	3	6	37644.04	37644.04	0.00	0.87
B	7	2	6	8	3	5	37644.04	37644.03	0.00	1.08
B	8	2	6	9	3	7	37643.60	37643.61	-0.02	0.96
C	8	2	6	9	3	6	37643.60	37643.60	-0.01	0.78
C	8	2	7	9	3	7	37643.23	37643.20	0.03	0.79
B	8	2	7	9	3	6	37643.23	37643.19	0.04	0.97
B	9	2	7	10	3	8	37642.96	37642.97	-0.01	0.84
C	9	2	7	10	3	7	37642.96	37642.95	0.01	0.69
B	10	2	8	11	3	9	37642.33	37642.37	-0.03	0.72
C	9	2	8	10	3	8	37642.34	37642.34	0.00	0.70
C	10	2	8	11	3	8	37642.33	37642.33	0.00	0.59
B	9	2	8	10	3	7	37642.34	37642.32	0.02	0.85
B	11	2	9	12	3	10	-37641.73	37641.80	-0.07	0.61
C	11	2	9	12	3	9	-37641.73	37641.74	-0.02	0.50
C	10	2	9	11	3	9	37641.46	37641.45	0.00	0.60
B	10	2	9	11	3	8	37641.46	37641.42	0.04	0.73
B	12	2	10	13	3	11	-37641.21	37641.27	-0.06	0.51
C	12	2	10	13	3	10	-37641.21	37641.18	0.04	0.42
C	13	2	11	14	3	11	37640.59	37640.63	-0.04	0.34
C	11	2	10	12	3	10	37640.51	37640.54	-0.02	0.51
B	11	2	10	12	3	9	37640.51	37640.48	0.03	0.61
C	12	2	11	13	3	11	37639.57	37639.59	-0.02	0.42
B	12	2	11	13	3	10	37639.51	37639.50	0.02	0.50
B	3	3	0	4	4	1	37639.17	37639.18	-0.01	1.25
C	3	3	0	4	4	0	37639.17	37639.18	-0.01	0.95
B	4	3	1	5	4	2	37638.43	37638.41	0.02	1.17
C	4	3	1	5	4	1	37638.43	37638.41	0.02	0.90
B	5	3	2	6	4	3	37637.64	37637.63	0.01	1.09
C	5	3	2	6	4	2	37637.64	37637.63	0.01	0.84
B	6	3	3	7	4	4	37636.85	37636.85	-0.01	1.00
C	6	3	3	7	4	3	37636.85	37636.85	-0.01	0.78
B	7	3	4	8	4	5	37636.05	37636.07	-0.02	0.91
C	7	3	4	8	4	4	37636.05	37636.07	-0.02	0.71
B	8	3	5	9	4	6	37635.28	37635.30	-0.01	0.81
C	8	3	5	9	4	5	37635.28	37635.30	-0.01	0.63
B	9	3	6	10	4	7	37634.52	37634.52	0.00	0.71
C	9	3	6	10	4	6	37634.52	37634.52	0.00	0.56
B	10	3	7	11	4	8	-37633.73	37633.76	-0.03	0.61
C	10	3	7	11	4	7	-37633.73	37633.76	-0.03	0.48
B	11	3	8	12	4	9	37633.01	37633.01	0.00	0.51
C	11	3	8	12	4	8	37633.01	37633.01	0.00	0.40
C	11	3	9	12	4	9	37632.90	37632.89	0.01	0.40
B	11	3	9	12	4	8	37632.90	37632.89	0.01	0.51
B	12	3	9	13	4	10	37632.29	37632.28	0.00	0.42
C	12	3	9	13	4	9	37632.29	37632.28	0.00	0.33

C	12	3	10	13	4	10	37632.09	37632.08	0.01	0.33
B	12	3	10	13	4	9	37632.09	37632.08	0.01	0.42
B	13	3	10	14	4	11	37631.57	37631.58	-0.02	0.33
C	13	3	10	14	4	10	37631.57	37631.58	-0.01	0.26
C	13	3	11	14	4	11	37631.28	37631.27	0.01	0.27
B	13	3	11	14	4	10	37631.28	37631.26	0.02	0.34
B	14	3	11	15	4	12	37630.91	37630.92	-0.01	0.26
C	14	3	11	15	4	11	37630.91	37630.91	0.00	0.20
C	14	3	12	15	4	12	37630.45	37630.44	0.01	0.21
B	14	3	12	15	4	11	37630.45	37630.43	0.01	0.27
B	15	3	12	16	4	13	37630.32	37630.29	0.03	0.20
C	15	3	12	16	4	12	37630.32	37630.28	0.04	0.16
B	16	3	13	17	4	14	37629.70	37629.71	-0.01	0.15
C	16	3	13	17	4	13	37629.70	37629.69	0.01	0.12
C	15	3	13	16	4	13	37629.60	37629.60	0.00	0.16
B	15	3	13	16	4	12	37629.60	37629.59	0.01	0.21
C	17	3	14	18	4	14	37629.12	37629.14	-0.02	0.09
B	4	4	0	5	5	1	37628.91	37628.90	0.01	0.91
C	4	4	0	5	5	0	37628.91	37628.90	0.01	0.70
B	5	4	1	6	5	2	37628.12	37628.12	-0.01	0.83
C	5	4	1	6	5	1	37628.12	37628.12	-0.01	0.64
B	6	4	2	7	5	3	37627.35	37627.34	0.01	0.75
C	6	4	2	7	5	2	37627.35	37627.34	0.01	0.58
B	7	4	3	8	5	4	37626.56	37626.55	0.00	0.67
C	7	4	3	8	5	3	37626.56	37626.55	0.00	0.52
B	8	4	4	9	5	5	37625.78	37625.76	0.01	0.59
C	8	4	4	9	5	4	37625.78	37625.76	0.01	0.46
B	9	4	5	10	5	6	37624.98	37624.97	0.01	0.51
C	9	4	5	10	5	5	37624.98	37624.97	0.01	0.40
B	10	4	6	11	5	7	37624.17	37624.18	-0.01	0.44
C	10	4	6	11	5	6	37624.17	37624.18	-0.01	0.34
B	11	4	7	12	5	8	37623.39	37623.38	0.01	0.36
C	11	4	7	12	5	7	37623.39	37623.38	0.01	0.28
B	12	4	8	13	5	9	37622.58	37622.59	0.00	0.30
C	12	4	8	13	5	8	37622.58	37622.59	0.00	0.23
B	13	4	9	14	5	10	37621.81	37621.80	0.01	0.24
C	13	4	9	14	5	9	37621.81	37621.80	0.01	0.19
B	14	4	10	15	5	11	37620.99	37621.01	-0.02	0.19
C	14	4	10	15	5	10	37620.99	37621.01	-0.02	0.15
B	15	4	11	16	5	12	37620.24	37620.24	0.00	0.15
C	15	4	11	16	5	11	37620.24	37620.24	0.00	0.11
B	5	5	0	6	6	1	37617.16	37617.17	-0.01	0.56
C	5	5	0	6	6	0	37617.16	37617.17	-0.01	0.43
B	6	5	1	7	6	2	37616.37	37616.39	-0.01	0.50
C	6	5	1	7	6	1	37616.37	37616.39	-0.01	0.38
B	7	5	2	8	6	3	37615.59	37615.60	-0.01	0.44
C	7	5	2	8	6	2	37615.59	37615.60	-0.01	0.34
B	8	5	3	9	6	4	37614.81	37614.80	0.00	0.38
C	8	5	3	9	6	3	37614.81	37614.80	0.00	0.30
B	9	5	4	10	6	5	37614.00	37614.01	-0.01	0.33
C	9	5	4	10	6	4	37614.00	37614.01	-0.01	0.25
B	10	5	5	11	6	6	37613.19	37613.21	-0.01	0.28
C	10	5	5	11	6	5	37613.19	37613.21	-0.01	0.21
B	11	5	6	12	6	7	37612.41	37612.40	0.01	0.23
C	11	5	6	12	6	6	37612.41	37612.40	0.01	0.18
B	12	5	7	13	6	8	37611.57	37611.59	-0.02	0.19
C	12	5	7	13	6	7	37611.57	37611.59	-0.02	0.14
B	13	5	8	14	6	9	37610.79	37610.79	0.00	0.15
C	13	5	8	14	6	8	37610.79	37610.79	0.00	0.12
B	14	5	9	15	6	10	37609.98	37609.98	0.00	0.12
C	14	5	9	15	6	9	37609.98	37609.98	0.00	0.09

B	15	5	10	16	6	11	37609.17	37609.17	0.00	0.09
C	15	5	10	16	6	10	37609.17	37609.17	0.00	0.07

Supplementary Material: Continued

0_g Band Results for Rotational Analysis Least-Squares Band: Calculated and Observed Lines. All values are in cm⁻¹ except for the line intensities. Negative observed values indicate that the line was not included in the fit.

Constant:	Fitted Value	Std. Deviation
A	1.8538	3.0 x 10 ⁻³
B	0.40418	4.8 x 10 ⁻⁴
C	0.33992	1.6 x 10 ⁻⁴
D _k	5.9x10 ⁻⁵	7.2 x 10 ⁻⁵
Origin	37413.388	0.028
Overall Standard Deviation: 0.03		

	Upper State			Lower State			Obs.	Cal. cm ⁻¹	Resid	Int
	J	K _a	K _c	J	K _a	K _c				
C	11	5	7	10	4	7	37423.00	37422.96	0.04	1.28
C	11	5	6	10	4	6	37423.00	37422.96	0.04	1.28
C	8	5	4	7	4	4	37420.90	37420.85	0.05	1.81
C	8	5	3	7	4	3	37420.90	37420.85	0.05	1.81
B	7	0	7	6	1	6	37416.62	37416.61	0.01	2.69
B	6	2	4	6	1	5	37416.62	37416.56	0.06	2.76
B	10	1	9	10	0	10	37416.62	37416.53	0.09	2.74
B	13	2	11	13	1	12	37416.19	37416.23	-0.03	2.31
B	10	2	8	10	1	9	37416.19	37416.19	0.00	3.19
B	12	2	10	12	1	11	37416.19	37416.18	0.01	2.68
B	11	2	9	11	1	10	37416.19	37416.17	0.02	2.98
C	4	1	4	4	0	4	37414.48	37414.50	-0.02	5.56
C	5	1	5	5	0	5	37414.35	37414.33	0.02	6.39
C	6	1	6	6	0	6	37414.14	37414.12	0.02	7.01
C	7	1	7	7	0	7	37413.91	37413.89	0.02	7.40
C	8	1	8	8	0	8	37413.64	37413.63	0.01	7.55
C	9	1	9	9	0	9	37413.40	37413.36	0.04	7.48
C	10	1	10	10	0	10	37413.07	37413.07	0.00	7.21
C	11	1	11	11	0	11	37412.80	37412.77	0.03	6.75
C	12	1	12	12	0	12	37412.48	37412.46	0.01	6.16
C	8	7	2	7	6	2	37412.14	37412.15	-0.01	0.83
C	8	7	1	7	6	1	37412.14	37412.15	-0.01	0.83
C	13	1	13	13	0	13	37412.16	37412.14	0.02	5.48
C	14	1	14	14	0	14	37411.82	37411.82	0.00	4.75
C	9	0	9	9	1	9	37411.50	37411.60	-0.10	7.98
C	8	0	8	8	1	8	37411.50	37411.60	-0.09	7.99
C	10	0	10	10	1	10	37411.50	37411.58	-0.07	7.70
C	7	0	7	7	1	7	37411.50	37411.56	-0.06	7.73
C	6	0	6	6	1	6	37411.50	37411.51	0.00	7.20
C	15	1	15	15	0	15	37411.50	37411.49	0.01	4.02
C	16	1	16	16	0	16	37411.15	37411.16	-0.01	3.32
C	17	1	17	17	0	17	37410.82	37410.82	0.00	2.68
C	18	1	18	18	0	18	37410.36	37410.47	-0.12	2.12
C	3	2	1	4	3	1	37396.38	37396.40	-0.02	1.92
C	3	2	2	4	3	2	37396.38	37396.39	-0.01	1.92
C	4	2	2	5	3	2	37395.64	37395.64	0.00	1.88
C	4	2	3	5	3	3	37395.64	37395.61	0.03	1.88
C	5	2	3	6	3	3	37394.86	37394.90	-0.04	1.81
C	5	2	4	6	3	4	37394.81	37394.82	-0.01	1.82
C	6	2	4	7	3	4	37394.22	37394.17	0.05	1.71
C	6	2	5	7	3	5	37394.04	37394.03	0.02	1.72

C	4	3	1	5	4	1	-37387.65	37387.56	0.09	1.66
C	5	3	2	6	4	2	-37386.91	37386.79	0.13	1.56
C	6	3	3	7	4	3	37386.02	37386.01	0.01	1.44
C	7	3	4	8	4	4	37385.24	37385.24	0.00	1.31
C	8	3	5	9	4	5	37384.44	37384.47	-0.03	1.17
C	4	4	0	5	5	0	37378.02	37378.05	-0.02	1.28
C	5	4	1	6	5	1	37377.24	37377.27	-0.03	1.18
C	6	4	2	7	5	2	37376.50	37376.49	0.01	1.07
C	7	4	3	8	5	3	37375.71	37375.71	0.01	0.96
C	8	4	4	9	5	4	37374.92	37374.92	-0.01	0.85
C	9	4	5	10	5	5	37374.12	37374.14	-0.02	0.73
C	10	4	6	11	5	6	37373.31	37373.35	-0.04	0.62
C	11	4	7	12	5	7	37372.54	37372.56	-0.02	0.52
C	12	4	8	13	5	8	37371.76	37371.77	-0.01	0.43
C	13	4	9	14	5	9	37370.97	37370.99	-0.03	0.34
C	14	4	10	15	5	10	37370.17	37370.22	-0.04	0.27
C	5	5	0	6	6	0	37366.26	37366.30	-0.04	0.79
C	6	5	1	7	6	1	37365.49	37365.52	-0.03	0.70
C	7	5	2	8	6	2	37364.75	37364.74	0.01	0.62
C	8	5	3	9	6	3	37363.95	37363.95	0.01	0.54
C	9	5	4	10	6	4	37363.17	37363.16	0.01	0.47
C	10	5	5	11	6	5	37362.37	37362.36	0.01	0.39
C	11	5	6	12	6	6	37361.57	37361.56	0.01	0.33

Supplementary Material: Continued

9% Band Results for Rotational Analysis Least-Squares Fitting: Calculated and Observed Lines. All values are in cm^{-1} except for the line intensities. Negative observed values indicate that the line was not included in the fit.

C-type Band:	Constant:	Fitted Value	Std. Deviation
	A	1.8532	2.4×10^{-3}
	B	0.40488	3.6×10^{-4}
	C	0.34060	1.6×10^{-4}
	D_k	6.1×10^{-5}	65.7×10^{-5}
	Origin	37790.612	0.016
	Overall Standard Deviation: 0.03		

B-type Band:	Constant:	Fitted Value	Std. Deviation
	A	1.8534	2.6×10^{-3}
	B	0.40494	6.2×10^{-4}
	C	0.34109	7.5×10^{-4}
	D_k	2.3×10^{-5}	7.2×10^{-5}
	Origin	37790.900	0.019
	Overall Standard Deviation: 0.03		

	Upper State			Lower State			Obs.	Cal.	Resid	Int
	J	K_a	K_c	J	K_a	K_c		cm^{-1}		
B	14	1	13	14	0	14	37795.80	37795.80	0.01	1.16
B	13	1	12	13	0	13	37795.36	37795.35	0.01	1.49
B	12	1	11	12	0	12	37794.97	37794.92	0.05	1.87
B	11	1	10	11	0	11	37794.51	37794.52	0.00	2.30
B	10	1	9	10	0	10	37794.13	37794.14	-0.01	2.74
B	9	1	8	9	0	9	37793.81	37793.80	0.01	3.17
B	2	2	0	3	3	1	37774.65	37774.67	-0.02	1.39
B	2	2	1	3	3	0	37774.65	37774.67	-0.02	1.39
B	3	2	1	4	3	2	37773.90	37773.92	-0.01	1.35
B	3	2	2	4	3	1	37773.90	37773.91	0.00	1.35
B	4	2	2	5	3	3	37773.17	37773.17	0.00	1.30
B	4	2	3	5	3	2	37773.17	37773.14	0.03	1.31
B	5	2	3	6	3	4	-37772.38	37772.43	-0.05	1.24
B	5	2	4	6	3	3	37772.38	37772.36	0.02	1.25
B	6	2	4	7	3	5	37771.71	37771.71	0.00	1.16
B	6	2	5	7	3	4	37771.58	37771.57	0.01	1.17
B	7	2	5	8	3	6	37771.02	37771.02	0.00	1.07
B	7	2	6	8	3	5	37770.74	37770.77	-0.03	1.08
B	8	2	6	9	3	7	37770.30	37770.36	-0.06	0.96
B	8	2	7	9	3	6	37769.92	37769.94	-0.02	0.97
B	9	2	7	10	3	8	37769.75	37769.74	0.01	0.84
B	10	2	8	11	3	9	37769.13	37769.16	-0.03	0.72
B	9	2	8	10	3	7	37769.13	37769.10	0.03	0.85
B	10	2	9	11	3	8	37768.23	37768.22	0.01	0.73
B	11	2	10	12	3	9	37767.30	37767.32	-0.01	0.61
B	12	2	11	13	3	10	37766.36	37766.37	-0.01	0.50
B	3	3	1	4	4	0	37765.85	37765.84	0.01	1.25
B	4	3	2	5	4	1	37765.08	37765.08	0.00	1.17
B	5	3	3	6	4	2	37764.29	37764.32	-0.03	1.09
B	6	3	4	7	4	3	37763.52	37763.55	-0.03	1.00
B	7	3	4	8	4	5	37762.79	37762.79	0.00	0.91
B	7	3	5	8	4	4	37762.79	37762.79	0.00	0.91

B	8	3	5	9	4	6	37762.03	37762.04	-0.01	0.81
B	8	3	6	9	4	5	37762.03	37762.02	0.01	0.81
B	9	3	6	10	4	7	37761.29	37761.29	0.00	0.71
B	9	3	7	10	4	6	37761.29	37761.25	0.04	0.71
B	10	3	7	11	4	8	37760.55	37760.55	0.00	0.60
B	10	3	8	11	4	7	37760.50	37760.48	0.02	0.61
B	11	3	8	12	4	9	37759.86	37759.83	0.03	0.51
B	11	3	9	12	4	8	37759.70	37759.70	0.00	0.51
B	4	4	1	5	5	0	37755.58	37755.56	0.02	0.91
B	5	4	2	6	5	1	37754.81	37754.80	0.01	0.83
B	6	4	3	7	5	2	37754.03	37754.03	0.00	0.75
B	7	4	4	8	5	3	37753.27	37753.26	0.01	0.67
B	8	4	5	9	5	4	37752.49	37752.49	0.00	0.59
B	9	4	6	10	5	5	37751.74	37751.72	0.02	0.51
B	10	4	7	11	5	6	37750.92	37750.95	-0.03	0.44
B	11	4	8	12	5	7	37750.19	37750.18	0.01	0.36
B	12	4	9	13	5	8	37749.40	37749.41	-0.01	0.30
B	13	4	10	14	5	9	37748.62	37748.65	-0.02	0.24
B	5	5	1	6	6	0	37743.85	37743.83	0.02	0.56
B	6	5	2	7	6	1	37743.05	37743.06	-0.01	0.50
B	7	5	3	8	6	2	37742.29	37742.29	0.00	0.44
B	8	5	4	9	6	3	37741.50	37741.52	-0.02	0.38
B	9	5	5	10	6	4	37740.74	37740.74	-0.01	0.33
B	10	5	6	11	6	5	37739.96	37739.97	-0.01	0.28
B	11	5	7	12	6	6	37739.21	37739.19	0.02	0.23
B	12	5	8	13	6	7	37738.43	37738.41	0.01	0.19
B	13	5	9	14	6	8	37737.63	37737.64	-0.01	0.15
B	14	5	10	15	6	9	37736.86	37736.87	-0.01	0.12
B	15	5	11	16	6	10	37736.10	37736.09	0.01	0.09
B	6	6	1	7	7	0	37730.69	37730.65	0.04	0.29
B	7	6	2	8	7	1	37729.85	37729.88	-0.03	0.26
B	8	6	3	9	7	2	37729.11	37729.10	0.00	0.22
B	9	6	4	10	7	3	37728.32	37728.33	0.00	0.19
C	5	1	5	5	0	5	37791.56	37791.57	-0.01	4.56
C	6	1	6	6	0	6	37791.38	37791.37	0.01	5.00
C	7	1	7	7	0	7	37791.15	37791.15	0.00	5.28
C	8	1	8	8	0	8	37790.93	37790.91	0.02	5.39
C	9	1	9	9	0	9	37790.65	37790.65	0.01	5.35
C	10	1	10	10	0	10	37790.35	37790.37	-0.02	5.15
C	11	1	11	11	0	11	37790.11	37790.08	0.02	4.82
C	12	1	12	12	0	12	37789.80	37789.79	0.01	4.40
C	13	1	13	13	0	13	37789.50	37789.49	0.00	3.91
C	14	1	14	14	0	14	37789.19	37789.19	0.00	3.39
C	15	1	15	15	0	15	37788.87	37788.88	-0.01	2.87
C	16	1	16	16	0	16	37788.55	37788.57	-0.01	2.37
C	17	1	17	17	0	17	37788.30	37788.25	0.05	1.91
C	3	2	1	4	3	1	37773.60	37773.63	-0.03	1.37
C	3	2	2	4	3	2	37773.60	37773.62	-0.02	1.37
C	4	2	2	5	3	2	37772.87	37772.88	-0.01	1.34
C	4	2	3	5	3	3	37772.87	37772.85	0.02	1.35
C	5	2	3	6	3	3	-37772.38	37772.14	0.24	1.30
C	5	2	4	6	3	4	-37772.38	37772.07	0.32	1.30
C	6	2	4	7	3	4	37771.44	37771.41	0.02	1.22
C	6	2	5	7	3	5	37771.26	37771.27	-0.02	1.23
C	7	2	5	8	3	5	37770.74	37770.72	0.02	1.13
C	7	2	6	8	3	6	37770.47	37770.47	0.00	1.14
C	8	2	6	9	3	6	37770.04	37770.05	-0.01	1.02
C	8	2	7	9	3	7	37769.66	37769.65	0.01	1.03
C	9	2	7	10	3	7	37769.42	37769.41	0.00	0.90
C	9	2	8	10	3	8	37768.78	37768.81	-0.03	0.92
C	3	3	0	4	4	0	37765.56	37765.56	0.00	1.25

C	4	3	1	5	4	1	37764.78	37764.79	-0.01	1.18
C	5	3	2	6	4	2	37764.01	37764.03	-0.02	1.11
C	6	3	3	7	4	3	37763.25	37763.26	-0.01	1.03
C	7	3	4	8	4	4	37762.52	37762.49	0.02	0.94
C	8	3	5	9	4	5	37761.74	37761.73	0.01	0.84
C	9	3	6	10	4	6	37760.97	37760.98	-0.01	0.73
C	4	4	0	5	5	0	37755.27	37755.28	-0.01	0.92
C	5	4	1	6	5	1	37754.51	37754.51	0.00	0.84
C	6	4	2	7	5	2	37753.72	37753.74	-0.02	0.76
C	7	4	3	8	5	3	37752.96	37752.96	-0.01	0.68
C	8	4	4	9	5	4	37752.21	37752.19	0.02	0.60
C	9	4	5	10	5	5	37751.42	37751.41	0.01	0.52
C	10	4	6	11	5	6	37750.64	37750.64	0.01	0.45
C	11	4	7	12	5	7	37749.89	37749.87	0.02	0.37
C	12	4	8	13	5	8	37749.10	37749.10	0.00	0.30
C	13	4	9	14	5	9	37748.21	37748.33	-0.12	0.24
C	5	5	0	6	6	0	37743.56	37743.55	0.02	0.56
C	6	5	1	7	6	1	37742.79	37742.77	0.01	0.50
C	7	5	2	8	6	2	37742.00	37742.00	0.00	0.44
C	8	5	3	9	6	3	37741.22	37741.22	0.00	0.39
C	9	5	4	10	6	4	37740.43	37740.44	-0.01	0.33
C	10	5	5	11	6	5	37739.67	37739.66	0.01	0.28
C	11	5	6	12	6	6	37738.90	37738.88	0.02	0.23
C	12	5	7	13	6	7	37738.09	37738.10	-0.01	0.19
C	13	5	8	14	6	8	37737.30	37737.31	-0.01	0.15
C	14	5	9	15	6	9	37736.52	37736.53	-0.01	0.12
C	6	6	0	7	7	0	37730.37	37730.37	-0.01	0.29
C	7	6	1	8	7	1	37729.61	37729.60	0.01	0.26
C	8	6	2	9	7	2	37728.83	37728.82	0.01	0.22
C	9	6	3	10	7	3	37728.01	37728.04	-0.03	0.19