

List of the observed wavenumber of absorption bands of N₂.

D: Wavelength region of 90.115nm - 93.531nm

Wavenumber	$b'(11) - X(0)$	$b(14) - X(0)$	$b'(10) - X(0)$	$c_3(3) - X(0)$
110969.06				
110965.38		Q(16)		
110961.57		P(15)		
110958.40				
110953.60	P(25)			
110949.79				
110945.21			R(2)R(1)R(0)	
110943.27			R(3)	
110939.95			R(4)	
110938.36			P(1)	
110935.20			R(5)	
110932.80			P(2)	
110930.71				
110929.37			R(6)	
110925.83			P(3)	
110922.29			R(7)	
110917.34			P(4)	
110914.26			R(8)	
110907.45			P(5)	
110905.51			R(9)	
110902.58				
110898.05				
110896.27			P(6)R(10)	
110887.25			R(11)	
110883.56			P(7)	
110881.55				
110878.74			R(12)	
110871.20				
110869.72			P(8)	
110868.62			R(13)	
110864.97				
110863.98				
110854.67			P(9)	
110838.67			P(10)	
110832.43				
110827.72				
110821.95			P(11)	
110817.48				R(7)
110815.89				R(6)
110814.18				R(5)
110811.99				R(4)
110810.02			R(14)	
110806.52				R(2)
110804.93			P(12)	

Wavenumber	$b'(10) - X(0)$	$c_3(3) - X(0)$	$c'_4(3) - X(0)$
110803.71		R(1)	
110799.84		R(0)	
110795.25		Q(2)Q(1)	
110794.53		Q(3)	
110793.16		Q(4)	
110791.66		Q(5)	
110789.71		Q(6)	
110787.77	P(13)	Q(7)P(2)	
110785.04		Q(8)	
110783.36		P(3)	
110782.22		Q(9)	
110778.97		Q(10)P(4)	
110775.70		Q(11)	
110773.69		P(5)	
110771.83	P(14)	Q(12)	
110768.19		Q(13)P(6)	
110762.94			
110762.72		P(7)	
110758.61			
110756.38		P(8)	
110753.61	P(15)		
110749.78		P(9)	
110748.37			
110742.53		P(10)	
110734.42		P(11)	
110729.63			
110725.43		P(12)	
110721.74			
110716.89			
110714.97		P(13)	
110702.91		P(14)	
110695.74			
110694.14			
110688.59		P(15)	
110672.29		P(16)	
110669.21			
110664.49			R(5)-R(2)
110662.56			R(6)R(1)
110659.96			R(7)R(0)
110656.50			R(8)
110653.83		P(17)	
110652.73			P(1)
110652.10			R(9)
110648.06			P(2)
110646.28			R(10)
110642.61			P(3)
110639.35			R(11)
110636.28			P(4)
110634.60		P(18)	
110630.98			R(12)

Wavenumber	$c'_4(3) - X(0)$	$b(13) - X(0)$
110629.25	P(5)	
110623.99		
110621.18	R(13)P(6)	
110612.55	P(7)	
110609.37	R(14)	
110602.98	P(8)	
110595.53	R(15)	
110592.39	P(9)	
110580.85	P(10)	
110579.60	R(16)	
110574.13		
110572.77		
110568.44	P(11)	
110563.62		
110561.30	R(17)	
110558.48		
110554.80	P(12)	
110552.35		
110540.06	P(13)R(18)	
110531.06		R(1)R(0)
110530.76		R(2)
110527.43		Q(1)R(3)
110523.55	P(14)	Q(2)
110523.07		R(4)
110518.67		Q(3)P(2)
110516.28	R(19)	R(5)
110511.57		Q(4)P(3)
110507.88		R(6)
110505.66	P(15)	
110502.69		Q(5)P(4)
110497.86		R(7)
110492.15		Q(6)P(5)
110489.97	R(20)	
110486.07	P(16)	R(8)
110479.96		Q(7)
110479.12		P(6)
110478.46		
110472.67		R(9)
110466.18		Q(8)
110464.47	P(17)	P(7)
110460.78	R(21)	
110457.41		R(10)
110450.42		Q(9)
110448.21		P(8)
110440.45	P(18)	R(11)
110432.98		Q(10)
110430.27		P(9)
110429.01	R(22)	
110421.68		R(12)

Wavenumber	$c'_4(3) - X(0)$	$b(13) - X(0)$	$b'(9) - X(0)$
110413.92	P(19)	Q(11)	
110410.58		P(10)	
110401.10		R(13)	
110394.16			
110392.85		Q(12)	
110389.16		P(11)	
110385.17	P(20)		
110378.97		R(14)	
110370.09		Q(13)	
110365.92		P(12)	
110357.52			
110354.78		R(15)	
110353.61	P(21)		
110345.63		Q(14)	
110340.97		P(13)	
110329.05		R(16)	
110319.40	P(22)	Q(15)	
110314.36		P(14)	
110301.61		R(17)	
110291.40		Q(16)	
110285.57		P(15)	
110282.15	P(23)		
110276.44			
110272.27		R(18)	
110261.74		Q(17)	
110255.71		P(16)	
110242.38	P(24)		
110241.62		R(19)	
110230.30		Q(18)	
110223.73		P(17)	
110208.59		R(20)	
110198.78			R(2)R(1)R(0)
110195.32			R(3)
110191.73			P(1)
110190.55			R(4)
110186.94			P(2)
110184.24			R(5)
110179.55			P(3)
110176.14			R(6)
110170.43			P(4)
110166.23			R(7)
110162.07			
110159.55			P(5)
110154.71			R(8)
110146.91			P(6)
110141.24			R(9)
110132.54			P(7)
110126.09			R(10)
110116.53			P(8)

Wavenumber	$b'(9) - X(0)$	$b'(12) - X(1)$	$b(12) - X(0)$
110109.65	R(11)		
110098.65	P(9)		
110090.70	R(12)		
110086.83			
110081.36			
110079.09	P(10)		
110070.28	R(13)		
110057.73	P(11)		
110048.19	R(14)		
110034.74	P(12)		
110024.23	R(15)		
110009.89	P(13)		
109998.52	R(16)		
109983.30	P(14)		
109971.11	R(17)		
109955.03	P(15)		
109941.95	R(18)		
109924.87	P(16)		
109910.97	R(19)		
109910.29		R(1)R(0)	
109909.13		R(2)	
109905.81		R(3)	
109904.06		P(1)	
109900.74		R(4)	
109898.29		P(2)	
109893.86		R(5)	
109893.09	P(17)		
109890.77		P(3)	
109885.17		R(6)	
109881.40		P(4)	
109878.42	R(20)		
109874.79		R(7)	
109870.32		P(5)	
109862.44		R(8)	
109859.53	P(18)		
109857.29		P(6)	
109848.75		R(9)	
109843.94	R(21)		
109842.64		P(7)	
109833.88			R(1)
109833.18			R(2)R(0)
109829.90			R(3)
109829.53			Q(1)
109825.86			Q(2)R(4)
109824.21	P(19)		
109821.23			Q(3)P(2)
109819.57			R(5)
109814.16			Q(4)P(3)
109811.75			R(6)

Wavenumber	$b'(9) - X(0)$	$b(12) - X(0)$
109807.92	R(22)	
109805.52		Q(5)
109805.52		P(4)
109802.29		R(7)
109795.71		Q(6)
109794.42		P(5)
109791.21		R(8)
109787.09	P(20)	
109783.97		Q(7)
109781.96		P(6)
109778.38		R(9)
109770.47		Q(8)
109767.84		P(7)
109763.84		R(10)
109755.36		Q(9)
109752.10		P(8)
109747.86	P(21)	R(11)
109738.54		Q(10)
109734.69		P(9)
109729.97		R(12)
109720.09		Q(11)
109715.62		P(10)
109710.48		R(13)
109707.77	P(22)	
109699.92		Q(12)
109694.86		P(11)
109689.43		R(14)
109678.17		Q(13)
109672.40		P(12)
109666.73		R(15)
109665.77	P(23)	
109665.28		
109654.73		Q(14)
109648.33		P(13)
109647.13		
109642.68		R(16)
109629.71		Q(15)
109627.66		
109622.55		P(14)
109621.75	P(24)	
109617.31		R(17)
109611.47		
109603.05		Q(16)
109595.27		P(15)
109590.83		R(18)

Wavenumber	$o_3(2) - X(0)$	$b'(8) - X(0)$
109574.12		
109570.26	R(9)R(2)	
109567.72	R(10)R(1)	
109564.79	R(11)R(0)	
109560.67	Q(1)R(12)	
109559.94	Q(2)	
109558.08	Q(3)R(13)	
109555.86	Q(4)	
109552.81	Q(5)P(2)R(14)	
109549.62	Q(6)	
109547.62	P(3)R(15)	
109545.84	Q(7)	R(2)R(1)R(0)
109541.98	P(4)	R(3)
109541.09	Q(8)R(16)	
109538.35		R(4)
109535.90	Q(9)P(5)	
109534.34	R(17)	P(2)
109532.11		R(5)
109529.96	Q(10)	
109529.66	P(6)	
109526.55	R(18)	P(3)
109525.93		
109524.09	Q(11)	R(6)
109521.75	P(7)	
109517.28	Q(12)	P(4)
109515.05	R(19)	R(7)
109514.01	P(8)	
109509.49	Q(13)	
109507.05		P(5)
109505.29	P(9)	
109504.00		R(8)
109502.15	Q(14)	
109500.67	R(20)	
109499.07		
109496.17	P(10)	
109494.62		P(6)
109492.91	Q(15)	
109491.40		R(9)
109488.69		
109486.49	P(11)	
109483.99	Q(16)	
109480.49		P(7)
109476.53	P(12)R(21)	R(10)
109473.30	Q(17)	
109470.25		
109467.74		
109465.16	P(13)	P(8)
109463.91	Q(18)	
109461.07		R(11)
109458.33		

Wavenumber	$o_3(2) - X(0)$	$b'(8) - X(0)$
109456.18		
109453.84	P(14)	
109450.78	Q(19)	
109447.52	R(22)	P(9)
109446.19		
109443.34		R(12)
109442.49	P(15)	
109439.83		
109436.32	Q(20)	
109433.73		
109428.85	P(16)	P(10)
109426.88		
109424.37		R(13)
109421.72		
109417.01	Q(21)	
109416.27	P(17)	
109413.98		
109411.33		
109407.75		P(11)
109403.70		R(14)
109401.55	P(18)	
109400.65		
109390.32	Q(22)	
109387.89	P(19)	
109385.50		P(12)
109381.53		R(15)
109379.83		
109376.71	R(24)	
109370.93	P(20)	
109370.02		
109366.31		
109364.31		
109361.74		P(13)
109361.33		
109357.89		R(16)
109356.26	Q(23)	
109354.26		
109352.52	P(21)	
109349.79		
109347.64		
109345.13		
109342.45		
109338.16	R(25)	
109336.12		P(14)
109332.78		R(17)
109329.50	P(22)	
109325.83		
109323.46		
109320.69		
109317.93	Q(24)	

Wavenumber	$o_3(2) - X(0)$	$b'(8) - X(0)$	$b'(11) - X(1)$
109314.00			
109311.86			
109309.08		P(15)	
109306.31		R(18)	
109300.78			
109298.88	P(23)		
109296.95			
109288.73			
109287.77			
109280.56		P(16)	
109278.58		R(19)	
109277.12	Q(25)		
109269.23			
109264.20			
109261.13	P(24)		
109253.46			R(1)R(0)
109252.57			R(2)
109251.17	R(27)		
109250.20		P(17)	
109249.87		R(20)	
109249.43			R(3)
109247.45			P(1)
109244.56			R(4)
109242.43			
109241.25			P(2)
109238.12			R(5)
109234.05			P(3)
109233.91	Q(26)		
109229.70			R(6)
109224.87			P(4)
109222.21			
109219.45			R(7)
109218.94	P(25)	P(18)R(21)	
109210.34	R(28)		
109213.81			P(5)
109208.93			
109207.80			R(8)
109201.34			P(6)
109188.36	Q(27)	R(22)	
109186.79			P(7)
109185.78		P(19)	
109181.13			
109174.42	P(26)		
109170.47			P(8)
109164.99	R(29)		
109156.36		R(23)	
109151.42		P(20)	
109142.42	Q(28)		
109128.11			

Wavenumber	$b'(8) - X(0)$	$b(11) - X(0)$	$b'(7) - X(0)$
109122.02		R(2)R(1)R(0)	
109119.43		R(3)	
109118.01		Q(1)	
109115.05	P(21)	Q(2)R(4)	
109109.87		Q(3)P(2)R(5)	
109103.01		Q(4)P(3)R(6)	
109097.97			
109095.32		Q(5)	
109094.04		P(4)R(7)	
109085.74		Q(6)	
109083.59		P(5)R(8)	
109078.84	P(22)		
109074.61		Q(7)	
109071.67		P(6)R(9)	
109061.80		Q(8)	
109058.29		P(7)R(10)	
109053.33			
109047.45		Q(9)	
109043.15		P(8)R(11)	
109031.52		Q(10)	
109026.90		R(12)	
109026.59		P(9)	
109014.03		Q(11)	
109009.31		R(13)	
109008.06		P(10)	
109001.88	P(23)		
108999.97			
108995.03		Q(12)	
108990.48		R(14)	
108988.22		P(11)	
108981.67			
108974.51		Q(13)	
108970.28		R(15)	
108966.89		P(12)	
108963.44	P(24)		
108962.51			
108956.02			R(2)R(1)
108955.07			R(3)R(0)
108952.56		Q(14)	R(4)
108949.15		R(16)	R(5)
108948.08			P(1)
108944.46		P(13)	R(6)
108942.67			P(2)
108941.47			
108938.97			R(7)
108936.05			P(3)
108932.17			R(8)
108928.75		Q(15)	P(4)
108927.28	P(25)		
108924.30		R(17)	R(9)

Wavenumber	$b(11) - X(0)$	$b'(7) - X(0)$
108921.59		
108919.78	P(14)	P(5)
108915.54		R(10)
108913.17		
108909.07		P(6)
108905.60		R(11)
108904.33		
108897.58		P(7)
108895.29		R(12)
108894.49	P(15)	
108890.34		
108884.80		P(8)
108884.09		
108882.86		
108878.13		
108871.72		P(9)
108867.22	P(16)	
108865.00		
108861.32		
108858.94		
108856.71		P(10)
108850.94		
108848.16		
108845.31		
108840.68		
108839.12	P(17)	
108830.68		
108822.82		
108816.22		
108814.93		
108809.93	P(18)	
108806.56		
108804.15		
108797.59		
108794.03		
108788.04		
108780.05		
108778.22		
108768.73		
108765.22		
108761.86		
108756.14		
108749.92		
108748.94		
108736.63		

Wavenumber	$c_3(2) - X(0)$
108731.58	
108727.92	
108713.92	R(10)-R(7)
108712.94	R(11)R(6)
108709.16	R(13)R(4)
108706.60	R(14)
108704.08	R(2)
108702.40	R(15)
108701.08	R(1)
108697.70	R(16)
108693.17	Q(2)Q(1)
108692.15	Q(3)
108690.76	Q(4)
108688.82	Q(5)
108686.75	Q(6)
108684.48	Q(7)R(18)
108681.30	Q(8)P(3)
108678.23	Q(9)
108676.16	P(4)
108674.70	Q(10)
108670.75	Q(11)P(5)
108666.31	Q(12)
108665.83	P(6)R(20)
108661.59	Q(13)
108659.35	P(7)
108656.28	Q(14)
108654.95	R(21)
108652.71	P(8)
108650.59	Q(15)
108646.07	P(9)
108644.20	
108641.01	
108638.73	P(10)
108637.24	Q(17)
108634.45	
108630.97	P(11)R(22)
108629.37	Q(18)
108624.83	R(23)
108622.70	P(12)
108620.42	Q(19)
108617.32	
108613.76	P(13)
108610.16	Q(20)
108607.26	
108605.64	
108604.38	P(14)
108602.16	
108598.26	Q(21)
108596.89	
108594.08	P(15)

Wavenumber	$c_3(2) - X(0)$	$c'_4(2) - X(0)$
108591.14		
108590.59		
108588.11		
108583.29	Q(22)P(16)	
108577.91		
108576.20		
108575.58		
108571.26	P(17)	
108568.30		
108566.48	Q(23)	
108563.87		
108558.54	P(18)	
108555.90		
108552.70	Q(24)	
108549.33		R(3)R(2)R(1)
108547.31		R(4)R(0)
108544.58		R(5)
108540.32		R(6)P(1)
108537.83	Q(25)	
108535.13		R(7)P(2)
108529.27	P(20)	
108528.78		R(8)P(3)
108526.23		
108521.56		P(4)
108520.80		R(9)
108518.08		
108513.27	P(21)	P(5)
108511.59		R(10)
108505.86	Q(27)	
108503.56		P(6)
108501.19		R(11)
108498.18		
108495.73	P(22)	
108492.68		P(7)
108489.39		R(12)
108486.59	Q(28)	
108480.60		P(8)
108476.17	P(23)	R(13)
108474.79		
108472.82		
108469.70		
108467.38		P(9)
108465.84		
108461.29		R(14)
108454.58		
108453.48		
108452.90		P(10)
108450.09		
108477.21		
108444.94	P(24)	R(15)

Wavenumber	$c_3(2) - X(0)$	$c'_4(2) - X(0)$	$b(10) - X(0)$
108439.02			
108437.23		P(11)	
108433.49			
108430.69	P(25)		
108428.40			
108426.94		R(16)	
108420.16		P(12)	
108417.35			
108410.02	P(26)		
108407.14		R(17)	
108403.52			
108401.90		P(13)	
108395.06			
108390.63			
108385.50		R(18)	
108382.06		P(14)	
108374.15			R(2)R(1)R(0)
108371.87			R(3)
108369.87			Q(1)
108367.95			R(4)
108366.90			Q(2)
108362.30			Q(3)R(5)P(2)
108355.66			Q(4)R(6)P(3)
108348.02			Q(5)
108347.51			R(7)
108346.53			P(4)
108338.74			Q(6)
108337.29			R(8)
108336.56			P(5)
108327.94			Q(7)
108325.48			R(9)
108324.39			P(6)
108315.44			Q(8)
108312.25			R(10)
108311.06			P(7)
108309.12			
108301.26			Q(9)
108297.37			R(11)
108296.07			P(8)
108291.28			
108287.48		P(18)	
108285.72			Q(10)
108282.55			
108280.93			R(12)
108279.67			P(9)
108275.80			
108273.37			
108268.38			Q(11)
108264.60			

Wavenumber	$c'_4(2) - X(0)$	$b(10) - X(0)$
108262.95		R(13)
108262.06		
108261.51		P(10)
108258.38	P(19)	
108257.72		
108255.74		
108253.44		
108249.63		Q(12)
108247.35		
108245.85		
108243.28		R(14)
108242.08		P(11)
108239.61		
108234.84		
108232.04		
108230.30	P(20)	
108229.21		Q(13)
108225.79		
108222.02		R(15)
108220.81		P(12)
108217.43		
108216.97		
108214.03		
108207.28		Q(14)
108205.13		
108203.98		
108199.36		R(16)
108198.20		P(13)
108194.44		
108190.57		
108189.60		
108186.49		
108183.72		Q(15)
108179.21		
108174.91		R(17)
108173.82		P(14)
108171.45		
108165.83		
108162.65		
108158.52		Q(16)
108156.39		
108148.88		R(18)
108147.96		P(15)
108144.54		
108140.31		
108138.61		
108136.95		
108131.85		Q(17)
108124.81		
108120.31		P(16)R(19)

Wavenumber	$b(10) - X(0)$	$b'(6) - X(0)$	$b'(9) - X(1)$
108103.57	Q(18)		
108091.32	P(17)R(20)		
108081.01			
108073.14	Q(19)		
108060.48	P(18)		
108057.04			
108053.36			
108041.43	Q(20)		
108028.28	P(19)		
108008.33	Q(21)		
108001.01		R(2)R(1)R(0)	
107998.54		R(3)	
107994.43		R(4)P(1)	
107988.97		R(5)P(2)	
107981.94		R(6)P(3)	
107973.25		R(7)P(4)	
107962.80		R(8)P(5)	
107958.66			
107956.07			
107954.77			
107950.82		R(9)P(6)	
107944.25			
107937.27		R(10)P(7)	
107936.69			
107928.05			
107922.00		R(11)P(8)	
107912.71			
107905.32		R(12)P(9)	
107902.92			
107899.35			
107891.26			
107887.55		P(10)	
107886.98		R(13)	
107886.66			
107882.60			
107878.09			
107868.79			R(2)R(1)R(0)
107867.33		P(11)	
107866.20		R(14)	R(3)
107863.48			
107863.15			P(1)
107861.28			R(4)
107859.92			
107857.36			P(2)
107855.03			R(5)
107850.03			P(3)
107846.94			R(6)
107845.93		P(12)	
107844.79			
107844.05		R(15)	

Wavenumber	$b'(6) - X(0)$	$b'(9) - X(1)$	$o_3(1) - X(0)$	$b(9) - X(0)$
107842.27				
107841.02		P(4)		
107837.46		R(7)		
107830.31		P(5)		
107829.69				
107826.18		R(8)		
107825.88				
107822.61	P(13)			
107820.37	R(16)			
107819.03				
107817.91		P(6)		
107817.68				
107803.77		P(7)		
107800.36				
107798.25				
107797.69	P(14)			
107794.84	R(17)			
107776.23				
107788.02		P(8)		
107771.11	P(15)			
107767.71	R(18)			
107756.81				
107742.84	P(16)			
107738.90	R(19)			
107731.79				
107712.89	P(17)			
107708.42	R(20)			
107681.28	P(18)			
107676.34	R(21)			
107655.75			R(3)R(2)	
107654.53			R(4)R(1)	
107653.56			R(5)	
107652.24			R(6)R(0)	
107650.87			R(7)	
107649.63			R(8)	
107647.76			Q(1)R(9)	
107645.64			Q(2)R(10)	
107644.03				
107643.39			Q(3)R(11)	
107639.77			Q(4)R(12)P(2)	R(3)R(2)
107636.30			R(13)P(3)	R(4)R(1)
107634.77			Q(5)	
107632.66			R(14)	R(5)
107629.49			Q(6)	Q(1)
107628.41				Q(2)
107627.27			R(15)P(4)	Q(3)R(6)
107624.37			Q(7)	
107623.48			R(16)	Q(4)P(2)
107619.33			Q(8)P(5)	R(7)

Wavenumber	$o_3(1) - X(0)$	$b(9) - X(0)$
107617.69	R(17)	Q(5)P(3)
107613.84	Q(9)	
107610.94	P(6)R(18)	R(8)P(4)
107608.20	Q(10)	Q(6)
107604.70		
107601.88	Q(11)P(7)	P(5)
107600.71		Q(7)R(9)
107597.56		
107595.65	Q(12)	
107592.45	P(8)	P(6)
107588.44	Q(13)	Q(8)R(10)
107583.38	P(9)	
107581.23	Q(14)	P(7)
107575.14		Q(9)
107573.75	Q(15)P(10)	R(11)
107569.87		
107567.26		P(8)
107565.01		
107564.52	Q(16)P(11)	
107560.58		Q(10)
107558.58		R(12)
107556.25	Q(17)	
107554.15	P(12)	
107552.67		P(9)
107546.94	Q(18)	
107543.97	P(13)	Q(11)
107541.55		R(13)
107537.05	Q(19)	
107535.59		P(10)
107532.80	P(14)	
107526.52	Q(20)	Q(12)
107522.88		R(14)
107521.24	P(15)	
107516.62		P(11)
107515.75	Q(21)	
107509.35	P(16)	
107506.87		Q(13)
107504.19	Q(22)	
107502.97		R(15)
107496.72	P(17)	P(12)
107492.37	Q(23)	
107485.76		Q(14)
107484.16	P(18)	
107481.06		R(16)
107480.21	Q(24)	
107474.68		P(13)
107470.56	P(19)	
107466.92	Q(25)	
107464.87		
107463.18		Q(15)

Wavenumber	$o_3(1) - X(0)$	$b(9) - X(0)$	$b'(5) - X(0)$
107459.81			
107457.86		R(17)	
107456.55	P(20)		
107453.40	Q(26)		
107451.21		P(14)	
107449.07			
107446.74			
107441.93	P(21)		
107439.02		Q(16)	
107433.40		R(18)	
107431.90			
107428.62			
107426.43	P(22)	P(15)	
107413.38		Q(17)	
107410.85	P(23)		
107407.28		R(19)	
107403.01			
107399.63		P(16)	
107394.06	P(24)		
107392.24			
107386.31		Q(18)	
107379.84		R(20)	
107375.35	P(25)		
107371.56		P(17)	
107357.86	P(26)	Q(19)	
107350.74		R(21)	
107347.33			
107342.10		P(18)	
107329.10			R(1)
107328.10			R(2)R(0)
107325.21			R(3)
107321.58			P(1)
107320.90			R(4)
107316.13			P(2)
107314.99			R(5)
107311.17			
107308.93			P(3)
107307.31			R(6)
107300.04			P(4)
107298.02			R(7)
107296.34			
107289.37			P(5)
107287.06			R(8)
107278.54			
107277.15			P(6)
107274.45			R(9)
107263.22			P(7)
107260.14			R(10)
107247.57			P(8)
107244.30			R(11)

Wavenumber	$b'(5) - X(0)$	$b'(8) - X(1)$	$b(8) - X(0)$
107230.39	P(9)		
107229.23			
107226.69	R(12)		
107216.34		R(2)R(1)R(0)	
107213.18		R(3)	
107211.50	P(10)		
107209.39		R(4)	
107207.43	R(13)	P(2)	
107203.17		R(5)	
107197.35		P(3)	
107195.70		R(6)	
107193.13			
107190.88	P(11)		
107188.45		P(4)	
107186.45	R(14)	R(7)	
107177.91		P(5)	
107175.76		R(8)	
107172.20			
107168.63	P(12)		
107165.74		P(6)	
107164.02	R(14)		
107152.00		P(7)	
107149.45		R(10)	
107144.87	P(13)		
107139.87	R(15)		
107136.42		P(8)	
107134.27			
107119.62		P(9)	
107119.29	P(16)		
107117.90			
107114.05	R(17)		
107092.09	P(15)		
107086.73	R(18)		
107063.30	P(16)		
107057.77	R(19)		
107032.83	P(17)		
107027.23	R(20)		
107000.84	P(18)		
106995.26	R(21)		
106967.13	P(19)		
106961.66	R(22)		
106936.55		R(2)R(1)	
106935.54		R(3)R(0)	
106932.54		R(4)	
106931.89	P(20)	Q(1)	
106928.64		Q(2)R(5)	
106924.36		Q(3)	
106923.56		P(2)R(6)	
106919.26		Q(4)	