

List of the observed wavenumber of absorption bands of N₂.

E: Wavelength region of 93.531nm - 96.791nm

Wavenumber	$b'(5) - X(0)$	$b(8) - X(0)$	$b'(4) - X(0)$
106916.86		P(3)R(7)	
106912.62		Q(5)	
106908.99		P(4)R(8)	
106904.65		Q(6)	
106900.05		R(9)	
106899.62		P(5)	
106895.34	P(21)	Q(7)	
106890.46		R(10)	
106888.83		P(6)	
106884.90		Q(8)	
106876.99		P(7)	
106873.13		Q(9)	
106863.90		P(8)	
106860.23		Q(10)	
106856.54	P(22)		
106849.50		P(9)	
106846.12			
106833.58		P(10)	
106824.77			
106816.60	P(23)	P(11)	
106809.21			
106796.82			
106792.95			
106778.52			
106776.36			
106775.85			
106759.37			
106742.60			
106739.10			
106725.59			
106718.56			
106716.45			
106708.71			
106697.37			
106693.66			
106692.25			
106675.74			
106670.12			
106659.25			
106654.01			
106649.73			R(2)R(1)R(0)
106648.11			R(3)
106644.83			R(4)
106642.29			P(1)
106640.32			R(5)

Wavenumber	$b'(4) - X(0)$ $^{14}\text{N}_2$	$b'(7) - X(1)$ $^{14}\text{N}^{15}\text{N}$	$c_3(1) - X(0)$
106636.75	P(2)		
106634.39	R(6)		
106632.21			
106629.87	P(3)		
106627.25	R(7)		
106621.79	P(4)		
106615.62		R(6)	
106619.54	R(8)		
106612.06	P(5)		
106610.78	R(9)		
106606.22		P(3)	
106601.07	P(6)R(10)		
106596.80			
106588.66	P(7)		
106580.54		R(8)	
106579.83			P(6)
106574.75	P(8)		
106572.05		R(9)	
106568.68			P(7)
106567.57			
106559.74	P(9)		
106556.41		P(8)	
106550.23			
106546.44			
106544.06	P(10)		
106535.12			R(1)
106531.69			R(0)
106526.93	P(11)		Q(1)
106526.31			Q(2)
106524.61			Q(3)
106521.88			Q(4)
106521.32			R(12)
106519.50			Q(5)P(2)
106516.00			Q(6)
106513.97			R(13)P(3)
106512.01			Q(7)
106509.77	P(12)		
106508.37			P(4)
106507.39			Q(8)
106504.87			R(14)
106502.21			Q(9)P(5)
106496.05			Q(10)P(6)R(15)
106491.64	P(13)		
106489.61			Q(11)
106488.63			P(7)
106483.03			R(16)
106482.34			Q(12)
106480.38			P(8)

Wavenumber	$c_3(1) - X(0)$ $^{14}\text{N}_2$	$c'_4(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$
106474.01	Q(13)	
106471.70	P(9)R(17)	
106465.47	Q(14)	
106462.12	P(10)R(18)	
106459.46		R(14)
106455.61	Q(15)	
106451.63	P(11)	
106446.52		Q(11)
106444.91	Q(16)	
106440.16	P(12)	
106437.08		Q(12)
106433.31	Q(17)	
106427.42	P(13)	
106419.89	Q(18)	
106413.58	P(14)	
106405.55	Q(19)	
106401.43		P(12)
106398.32	P(15)	
106389.62	Q(20)	
106383.34		
106381.63	P(16)	
106379.50		R(6)R(5)R(4)
106378.87		R(7)R(3)
106376.85		R(8)R(2)
106374.30		R(9)R(1)
106371.75		R(0)
106370.56		R(10)
106365.55		R(11)
106364.43	P(17)	P(1)
106363.87		P(2)R(12)
106359.61		P(3)
106354.54		
106352.57		
106352.28		R(13)
106348.96		P(4)
106345.96		
106344.49	P(18)	
106342.61		P(5)R(14)
106335.75		P(6)
106331.33		R(15)
106328.24		P(7)
106325.97		
106325.00	P(19)	
106320.01		P(8)
106317.66		R(16)
106313.68		
106311.04		P(9)
106307.96	P(20)	

Wavenumber	$c_3(1) - X(0)$	$c'_4(1) - X(0)$	$b(7) - X(0)$
106304.72			
106301.30		P(10)R(17)	
106298.65			
106290.63		P(11)	
106283.71			
106282.46	R(18)		
106279.02		P(12)	
106274.64			
106268.14			
106266.37		P(13)	
106262.87			
106260.89			
106253.67			
106252.31		P(14)	
106248.21			
106241.52			
106240.37			
106236.43		P(15)	
106228.10			
106223.32			
106219.23		P(16)	
106213.90			
106213.23			
106209.34			
106208.32			
106205.67			
106200.16		P(17)	
106196.69			
106194.92			
106190.56			
106189.97			
106183.86			
106178.71		P(18)	
106175.36			
106168.51			
106163.39			
106154.60		P(19)	
106146.85			
106139.40			
106135.01			
106127.81		P(20)	
106124.23			
106117.91			
106113.40			R(2)R(1)
106112.22			R(3)R(0)
106109.72			R(4)
106107.98			Q(1)
106105.62			Q(2)R(5)
106100.93			Q(3)R(6)P(2)

Wavenumber	$b(7) - X(0)$	
	$^{14}\text{N}_2$	$^{14}\text{N}^{15}\text{N}$
106096.28	Q(4)	
106094.26	R(7)	
106093.68	P(3)	
106089.79	Q(5)	
106086.49	R(8)	
106085.69	P(4)	
106081.95	Q(6)	
106077.57	R(9)	
106076.39	P(5)	
106072.88	Q(7)	
106067.23	R(10)	
106065.94	P(6)	
106062.51	Q(8)	
106055.60	R(11)	
106054.24	P(7)	
106050.84	Q(9)	
106042.84	R(12)	
106041.14	P(8)	
106037.85	Q(10)	
106032.08		Q(4)
106028.58	R(13)	
106026.70	P(9)	
106023.61	Q(11)	
106018.34		Q(6)
106013.09	R(14)	
106011.01	P(10)	
106007.99	Q(12)	
106004.68		R(10)
106002.91		P(6)
105999.55		Q(8)
105996.50	R(15)	
105994.03	P(11)	
105991.14	Q(13)	
105988.54		Q(9)
105980.96		R(12)
105978.64	R(16)	
105975.85	P(12)	
105973.03	Q(14)	
105967.80		R(13)
105965.03		P(9)
105962.33		Q(11)
105959.61	R(17)	
105956.30	P(13)	
105953.64	Q(15)	
105949.93		P(10)
105947.47		Q(12)
105939.38	R(18)	
105935.44	P(14)	

Wavenumber	$b(7) - X(0)$ $^{14}\text{N}_2$	$b'(3) - X(0)$ $^{14}\text{N}^{15}\text{N}$
105933.08	Q(16)	
105920.86		
105918.27	R(19)	
105916.17		P(12)
105913.40	P(15)	
105911.33	Q(17)	
105903.25		
105896.08	R(20)	
105889.98	P(16)	
105888.52	Q(18)	
105884.73		
105877.41		P(14)
105876.91		
105876.42		Q(16)
105872.93	R(21)	
105871.73		R(1)
105871.44		R(0)R(2)
105868.49		R(3)
105865.27	P(17)	
105864.97		P(1)
105864.52	Q(19)	
105864.11		R(4)
105859.47		P(2)
105858.84		
105858.16		R(5)
105856.20		
105852.21		P(3)
105850.07		R(6)
105849.27	R(22)	
105843.19		P(4)
105840.75		R(7)
105839.43	Q(20)P(18)	
105834.39		
105832.73		P(5)
105830.15		R(8)
105824.87	R(23)	
105820.43		P(6)
105817.45		R(9)
105812.90	Q(21)P(19)	
105806.51		P(7)
105803.01		R(10)
105799.99	R(24)	
105790.80		P(8)
105788.62		
105786.35	Q(22)	R(11)
105784.69	P(20)	
105784.27		
105774.66	R(25)	
105774.00		P(9)

Wavenumber	$b(7) - X(0)$	$b'(3) - X(0)$	$o_3(0) - X(0)$ $^{14}\text{N}_2$ $^{14}\text{N}^{15}\text{N}$	
105773.36				
105769.16		R(12)		
105764.85				
105761.11				
105758.93	Q(23)			
105755.47	P(21)			
105755.06				
105754.50		P(10)		
105749.69	R(26)	R(13)		
105740.32				
105734.23		P(11)		
105733.63				
105730.66	Q(24)			
105728.81		R(14)		
105728.18	R(27)			
105725.52	P(22)			
105711.54		P(12)		
105707.73	R(28)			
105706.14		R(15)		
105702.09	Q(25)			
105700.48				
105693.46	P(23)			
105692.85			R(7)R(3)	
105691.23			R(8)R(2)	
105689.09			R(9)R(1)	
105687.32		P(13)		
105686.43			R(10)R(0)	
105682.94			R(11)	
105682.12			Q(1)	
105680.98		R(16)	Q(2)	
105679.12			Q(3)R(12)	
105676.81			Q(4)	
105673.98			Q(5)R(13)P(2)	
105672.43	Q(26)			
105669.90			Q(6)	
105669.32			R(14)P(3)	
105666.04			Q(7)	
105663.19			P(4)	
105662.87	P(24)		R(15)	
105661.24		P(14)	Q(8)	
105656.51			P(5)	
105655.91			Q(9)R(16)	
105649.85			Q(10)P(6)	
105648.38				R(0)
105645.75			R(17)	
105644.32	Q(27)			
105643.38			Q(11)R(18)	
105642.34			P(7)	
105639.23				Q(4)

Wavenumber	$b(7) - X(0)$	$b'(3) - X(0)$	$o_3(0) - X(0)$
105636.20			Q(12)
105633.86			P(8)R(19)
105630.54	P(25)		
105628.40			Q(13)
105625.03			P(9)
105623.75		R(18)	R(20)
105623.20			
105620.10			Q(14)
105616.03			P(10)
105612.84			R(21)
105611.51			Q(15)
105611.07			
105609.32			
105605.68		P(16)	P(11)
105601.39			Q(16)
105599.63			R(22)
105597.93	P(26)		
105595.06		R(19)	P(12)
105593.89			
105590.93			Q(17)
105589.28			
105586.07			R(23)
105583.93			P(13)
105579.80			Q(18)
105574.77		P(17)	
105571.52			P(14)R(24)
105569.93			
105568.10			
105567.65			Q(19)
105564.63			
105564.11	P(27)		
105562.98			
105561.81			
105559.31			P(15)
105554.83			Q(20)R(25)
105550.73			
105545.99			P(16)
105545.20			
105542.74		P(18)	
105541.32			Q(21)
105537.32			
105535.87			R(26)
105531.95	P(28)		P(17)
105526.23			Q(22)
105523.35			
105516.96			P(18)
105516.49			
105515.32			R(27)
105510.60			Q(23)
105510.17		P(19)	

Wavenumber	$b(7) - X(0)$	$o_3(0) - X(0)$	$b(6) - X(0)$
105507.88			
105503.07	P(29)		
105499.03		P(19)	
105495.85			
105492.70		Q(24)R(28)	
105488.60		P(20)	
105474.06	P(30)	Q(25)	
105470.65		P(21)	
105466.60		R(29)	
105459.23			
105452.94		Q(26)P(22)	
105438.32		R(30)	
105433.37		P(23)	
105430.87		Q(27)	
105420.64			
105413.34		P(24)	
105406.04		Q(28)R(31)	
105393.40			
105391.95		P(25)	
105378.82		Q(29)	
105374.54			
105369.02		P(26)	
105350.23			R(2)R(1)
105349.14			R(3)R(0)
105347.08			R(4)
105344.62			Q(1)
105343.59			R(5)
105342.16			Q(2)
105338.60			Q(3)R(6)
105336.68			P(2)
105333.06			Q(4)R(7)
105330.13			P(3)
105327.04			Q(5)
105325.33			R(8)
105322.43			P(4)
105319.45			Q(6)
105316.72			R(9)
105313.47			P(5)
105310.77			Q(7)
105306.87			R(10)
105303.19			P(6)
105300.75			Q(8)
105295.71			R(11)
105291.74			P(7)
105289.21			Q(9)
105283.40			R(12)
105278.93			P(8)
105276.79			Q(10)
105273.06			
105269.71			R(13)

Wavenumber	$b(6) - X(0)$	$b'(2) - X(0)$
105265.06	P(9)	
105262.94	Q(11)	
105259.92		
105256.94		
105254.76	R(14)	
105253.45		
105249.58	P(10)	
105249.08		
105247.82	Q(12)	
105242.56		
105238.64	R(15)	
105236.46		
105233.16	P(11)	
105231.33	Q(13)	
105226.43		
105224.18		
105221.18	R(16)	
105217.12		
105215.31	P(12)	
105213.69	Q(14)	
105211.18		
105210.66		
105202.59	R(17)	
105197.88		
105196.27	P(13)	
105194.79	Q(15)	
105187.46		
105182.72	R(18)	
105180.32		
105175.93	P(14)	
105174.58	Q(16)	
105170.67		
105164.93		
105163.05		
105161.57	R(19)	
105154.22	P(15)	
105153.78		R(1)
105153.18	Q(17)	R(2)R(0)
105150.17		R(3)
105146.82		P(1)
105145.70		R(4)
105141.44		P(2)
105139.29	R(20)	R(5)
105134.02		P(3)
105131.45	P(16)	R(6)
105130.90		
105130.40	Q(18)	
105129.99		
105126.77		
105125.18		P(4)

Wavenumber	$b(6) - X(0)$	$b'(2) - X(0)$
105122.23		R(7)
105115.79		
105114.63		P(5)
105111.07		R(8)
105107.13	P(17)	
105106.53	Q(19)	
105104.80		
105101.98		P(6)
105098.11		R(9)
105091.26		
105087.94		P(7)
105083.13		R(10)
105081.75		
105081.21	Q(20)	
105072.13		P(8)
105067.18		R(11)
105065.50		
105055.17		
105054.76	Q(21)P(19)	
105049.22		R(12)
105038.67		
105035.56		P(10)
105029.44		R(13)
105027.50	Q(22)P(20)	
105014.58		P(11)
105010.72		
105008.14		R(14)
104998.61		
104992.08		P(12)
104984.96		R(15)
104981.92		
104968.22		P(13)
104960.19		R(16)
104952.23		
104941.86		P(14)
104933.55		R(17)
104921.49		
104914.26		P(15)
104905.28		R(18)
104884.84		P(16)
104875.32		R(19)
104871.32		
104853.83		P(17)
104843.64		R(20)
104836.45		

Wavenumber	$b'(2) - X(0)$	$b(5) - X(0)$	
		$^{14}\text{N}_2$	$^{14}\text{N}^{15}\text{N}$
104821.01	P(18)		
104810.25	R(21)		
104800.70			
104786.63	P(19)		
104775.12	R(22)		
104766.17			
104764.01			
104754.67			
104753.72			
104750.51	P(20)		
104746.75			
104746.55			
104743.44			
104741.60			
104739.18			
104738.36			
104736.81			
104733.70			
104728.83			
104727.41			
104725.85			
104723.35			
104721.25			
104718.41			
104716.59			
104715.03			
104709.90			
104704.86		R(3)R(2)R(1)	
104703.00		R(4)R(0)	
104700.48		R(5)	
104698.65		Q(1)	
104696.65		Q(2)R(6)	
104694.01			
104692.75		Q(3)	
104692.46		R(7)	
104690.77		P(2)	
104688.58		Q(4)	
104686.41		R(8)	
104684.59		P(3)	
104683.03		Q(5)	
104679.63		R(9)	
104677.05		P(4)	
104676.41		Q(6)	
104671.79		R(10)	
104668.72		Q(7)P(5)	
104662.82		R(11)	
104661.79			R(3)R(2)
104659.45		Q(8)P(6)	
104655.85			Q(1)

Wavenumber	$b(5) - X(0)$ $^{14}\text{N}_2$	$X(0)$ $^{14}\text{N}^{15}\text{N}$
104653.24	R(12)	
104649.23	Q(9)P(7)	
104646.33		Q(4)
104644.60		R(8)
104642.41	R(13)	
104640.60		Q(5)
104638.63	Q(10)	
104637.49	P(8)	
104635.25		
104634.52		Q(6)P(4)
104630.78	R(14)	
104629.91		
104626.46	Q(11)	
104624.50	P(9)	
104618.27	R(15)	
104613.16	Q(12)	
104610.76	P(10)	
104608.70		
104604.95	R(16)	
104603.12		
104598.90	Q(13)	
104596.16	P(11)	
104591.72		
104590.87	R(17)	
104588.62		Q(11)
104586.60		
104583.84	Q(14)	
104580.26	P(12)	
104576.14		Q(12)
104574.08		
104571.58		P(10)
104567.57	Q(15)	
104563.52	P(13)	
104560.57		
104557.42		P(11)
104550.30	Q(16)	
104545.77	P(14)	
104542.30		P(12)
104532.03	Q(17)	
104530.57		
104526.99	P(15)	
104512.90	Q(18)	
104509.01		P(14)
104507.55	P(16)	
104496.35		
104492.64	Q(19)	
104491.71		P(15)
104487.10	P(17)	

Wavenumber	$b(5) - X(0)$ $^{14}\text{N}_2$	$b'(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$c'_4(0) - X(0)$
104480.62			
104477.92			
104472.46		P(16)	
104471.69	Q(20)		
104465.80	P(18)		
104458.52			
104453.31		P(17)	
104451.72			
104449.66	Q(21)		
104443.87	P(19)		
104439.05			
104433.33			
104431.77			
104427.99			
104426.78	Q(22)		
104420.92	P(20)		
104420.57			R(1)
104417.94			R(2)R(0)
104417.29			R(3)
104413.82			P(1)
104412.72			R(4)
104408.27			P(2)
104407.71			
104406.75			R(5)
104404.69			
104402.92	Q(23)		
104400.91			P(3)
104398.90			R(6)
104398.15	P(21)		
104395.51			
104393.68			
104391.99			P(4)
104390.98			
104389.63			R(7)
104387.62			
104382.78			
104381.32			P(5)
104378.60	Q(24)		R(8)
104374.29	P(22)		
104371.23			
104369.13			P(6)
104367.12			R(9)
104365.47			R-head
104364.49			R(14)
104363.12			R(13)
104362.72			
104362.14			R(12)
104360.37			R(10)R(11)

Wavenumber	$b'(1) - X(0)$	$c'_4(0) - X(0)$ $^{14}\text{N}_2$	$X(0)$ $^{14}\text{N}^{15}\text{N}$
104356.63			
104355.00	P(7)		
104353.04		R(9)	
104351.86		R(8)	
104349.89			
104349.47		R(7)	
104347.77	R(10)		
104346.72		R(6)	
104345.59			
104343.74		R(5)	
104340.56		R(4)	
104339.48	P(8)		
104338.28			R(3)
104337.20		R(3)	
104335.06			R(2)
104333.69	R(11)	R(2)	
104331.67			R(1)
104330.13		R(1)	
104328.09			R(0)
104326.39		R(0)	
104324.67			
104322.05	P(9)		
104320.39			P(1)
104318.51		P(1)	
104316.38			P(2)
104315.58	R(12)		
104314.45		P(2)	
104312.53			P(3)
104310.26		P(3)	
104308.15			P(4)
104305.90		P(4)	
104303.42	P(10)		P(5)
104301.49		P(5)	
104299.18			P(6)
104296.78	R(13)	P(6)	
104294.56			P(7)
104291.95		P(7)	
104289.76			P(8)
104286.99		P(8)	
104284.52			P(9)
104283.68	P(11)		
104281.74		P(9)	
104278.82			P(10)
104276.21		P(10)	
104273.01			P(11)
104272.13			P(12)
104269.30		P(11)	
104268.73		P(12)	

Wavenumber	$b'(1) - X(0)$	$c'_4(0) - X(0)$ $^{14}\text{N}_2$	$c_3(1) - X(1)$ $^{14}\text{N}^{15}\text{N}$
104263.99			P(13)
104261.15		P(13)	
104257.46			P(14)
104256.37	P(12)		
104254.58		P(14)	
104251.08			P(15)
104249.96			
104247.98		P(15)	
104245.07			
104244.29			P(16)
104241.17		P(16)	
104237.27			P(17)
104234.03	P(13)	P(17)	
104229.76			P(18)
104226.62		P(18)	
104221.94			P(19)
104218.74		P(19)	
104213.52			P(20)
104210.31		P(20)	R(6)R(5)R(4)
104208.92			R(3)
104208.45	P(14)		
104207.00			R(2)
104204.47			P(21)
104201.47		P(21)	R(1)
104197.54			R(0)
104196.59			Q(1)
104195.11			Q(2)
104194.55			Q(3)
104194.55		P(22)	
104192.92			Q(4)
104191.94		P(22)	
104190.13			Q(5)P(2)
104187.10			Q(6)
104184.85			P(3)
104183.94		P(23)	
104183.20			Q(7)
104181.43	P(15)	P(23)	
104179.25			Q(8)P(4)
104176.59			
104173.43			P(5)
104172.73			Q(9)
104172.14			
104170.16		P(24)	
104168.41			Q(10)
104166.85			P(6)
104166.28			
104159.56			P(7)
104158.39			
104157.54		P(25)	
104151.76	P(16)		

Wavenumber	$c_3(0) - X(0)$ $^{14}\text{N}_2$	$X(0)$ $^{14}\text{N}^{15}\text{N}$
104147.72		
104144.39	R(3)R(2)	
104143.42	R(4)R(1)	
104141.34	R(5)R(0)	
104137.97	R(6)Q(1)	
104135.76	Q(2)	
104133.82	R(7)	
104132.95	Q(3)	
104128.91	Q(4)R(8)P(2)	
104123.99	Q(5)P(3)	
104122.55	R(9)	
104118.31	Q(6)	
104116.50	P(4)	
104115.44	R(10)	
104111.39	Q(7)	
104108.47	P(5)	
104107.18	R(11)	
104103.64	Q(8)	
104099.36	P(6)	
104097.98	R(12)	
104094.82	Q(9)	
104089.34	P(7)	
104087.74	R(13)	
104085.02	Q(10)	
104082.37		P(4)
104078.21	P(8)	
104076.49	R(14)	
104074.20	Q(11)	
104070.75		
104066.09	P(9)	
104064.14	R(15)	
104062.40	Q(12)	
104058.30		
104057.28		P(7)
104055.24		R(13)
104052.99	P(10)	
104050.70	R(16)	
104049.51	Q(13)	
104046.63		P(8)
104044.22		R(14)
104041.99		
104038.94	P(11)	
104035.83	Q(14)R(17)	
104032.31		R(15)
104030.49		
104023.87	P(12)	
104020.69	Q(15)R(18)	
104017.94		R(16)

Wavenumber	$c_3(0) - X(0)$ $^{14}\text{N}_2$	$^{14}\text{N}^{15}\text{N}$
104007.77	P(13)	
104004.57	Q(16)R(19)	
104004.10		R(17)
103993.73		P(12)
103990.55	P(14)	
103987.61	Q(17)	
103986.06	R(20)	
103978.07		P(13)
103974.04		R(19)
103972.45	P(15)	
103969.38	Q(18)	
103966.91	R(21)	
103961.48		P(14)
103957.37		
103955.16		
103953.22	P(16)	
103949.95	Q(19)	
103946.49	R(22)	
103943.83		P(15)
103939.54		
103936.88		Q(18)
103933.04	P(17)	
103929.41	Q(20)	
103924.92	R(23)	
103920.56		
103916.94		
103911.71	P(18)	
103907.70	Q(21)	
103905.53		
103901.96	R(24)	
103900.67		
103895.85		
103889.30	P(19)	
103884.64	Q(22)	
103879.02		
103877.65	R(25)	
103873.50		
103865.79	P(20)	
103862.92		
103860.41	Q(23)	
103856.70		
103851.93	R(26)	
103849.70		
103841.19	P(21)	
103834.85	Q(24)	
103824.78	R(27)	
103815.37	P(22)	
103807.91	Q(25)	

Wavenumber	$c_3(0) - X(0)$	$b(4) - X(0)$
103797.65		
103795.38	R(28)	
103790.70		
103788.38	P(23)	
103781.47		
103779.63	Q(26)	
103770.18		
103766.22	R(29)	
103764.47		
103760.09	P(24)	
103754.25		
103749.90	Q(27)	
103734.32	R(30)	
103730.55	P(25)	
103718.73	Q(28)	
103701.16	R(31)	
103699.76	P(26)	
103686.07	Q(29)	
103667.45	P(27)	
103666.19	R(32)	
103651.68	Q(30)	
103634.04	P(28)	
103629.45	R(33)	
103619.83		
103616.06	Q(31)	
103598.85	P(29)	
103597.59		
103594.98		
103591.41		
103587.84		
103584.34		
103553.57		R(3)R(2)R(1)
103551.65		R(4)R(0)
103548.48		R(5)
103547.75		Q(1)
103544.91		Q(2)R(6)
103541.80		Q(3)
103539.36		R(7)P(2)
103537.31		Q(4)
103532.88		R(8)P(3)
103531.76		Q(5)
103525.15		Q(6)R(9)P(4)
103516.83		Q(7)R(10)P(5)
103508.04		Q(8)P(6)
103497.15		Q(9)P(7)
103495.76		R(12)
103485.73		Q(10)
103485.33		P(8)
103483.45		R(13)
103473.38		Q(11)

Wavenumber	$b(4) - X(0)$	$o_3(1) - X(1)$
103471.83	P(9)	
103469.78	R(14)	
103459.52	Q(12)	
103457.54	P(10)	
103454.87	R(15)	
103444.42	Q(13)	
103442.04	P(11)	
103438.81	R(16)	
103427.99	Q(14)	
103425.32	P(12)	
103423.12		
103419.78	R(17)	
103410.70	Q(15)	
103407.55	P(13)	
103402.55	R(18)	
103391.87	Q(16)	
103388.43	P(14)	
103382.57	R(19)	
103371.85	Q(17)	
103368.08	P(15)	
103364.55		R(4)R(5)R(6)R(7)
103363.21		R(8)R(3)
103361.56		R(9)R(2)
103361.33	R(20)	
103359.25		R(10)R(1)
103356.52		R(0)
103352.44		Q(1)
103351.48		Q(2)
103350.66	Q(18)	
103349.80		Q(3)
103347.50		Q(4)
103346.56	P(16)	
103344.74		Q(5)P(2)
103342.18		
103341.35		Q(6)
103339.67		P(3)
103338.93	R(21)	
103337.90		
103337.36		Q(7)
103335.59		
103334.47		
103333.95		P(4)
103332.86		Q(8)
103332.05		
103327.82		Q(9)P(5)
103327.46	Q(19)	
103323.84	P(17)	
103320.95		Q(10)P(6)
103315.06		Q(11)