

List of the observed wavenumber of absorption bands of $^{15}\text{N}_2$.

D: Wavelength region of 91.413nm - 94.671nm

Wavenumber	$0_3(2) - X(0)$ $^{15}\text{N}_2$	$b'(8) - X(0)$ $^{15}\text{N}_2$
109385.8	P(10)	R(1)R(0)
109385.0		R(2)
109382.3		R(3)
109379.3		P(1)
109378.4		R(4)
109374.2	P(11)	P(2)
109372.5		R(5)
109367.2		P(3)
109365.3		R(6)
109361.3	P(12)	
109358.9		P(4)
109356.5		R(7)
109352.9		
109348.8		P(5)
109346.3		R(8)
109340.2		
109339.8		
109337.4		P(6)
109336.4		
109334.5		R(9)
109324.3		P(7)
109321.1		R(10)
109313.7		
109312.0		
109309.6		P(8)
109306.3		R(11)
109304.7		
109301.4		
109298.5		
109295.1		
109293.5		P(9)
109290.2		
109286.4		
109280.9		
109280.5		
109275.9		P(10)
109272.4		
109264.7		
109256.6		P(11)
109253.0		
109250.8		
109241.4		

Wavenumber	$b(11) - X(0)$ $^{14}\text{N}_2$
109235.9	
109232.4	
109218.4	
109213.6	
109189.8	
109122.8	
109121.9	R(2)R(1)R(0)
109119.4	R(3)
109117.9	Q(1)
109115.0	Q(2)R(4)
109109.9	Q(3)P(2)R(5)
109103.3	Q(4)P(3)R(6)
109099.2	
109098.3	
109095.2	Q(5)
109093.2	
109090.6	
109087.8	
109085.6	Q(6)
109084.5	
109080.7	
109076.7	
109074.9	
109074.4	Q(7)
109072.1	P(6)R(9)
109067.3	
109061.9	Q(8)
109058.0	P(7)R(10)
109056.5	
109050.1	
109044.2	
109043.0	P(8)R(11)
109036.6	
109029.9	
109028.4	
109026.8	
109024.5	
109021.5	
109018.2	
109017.6	
109015.7	
109013.6	
109011.1	
109008.0	
109006.2	
109004.7	
109000.4	
109000.0	

Wavenumber	$b(11) - X(0)$ $^{15}\text{N}_2$
108997.5	
108995.8	
108993.5	
108992.9	
108988.2	
108981.8	
108974.3	
108973.0	
108966.8	
108965.1	
108962.9	
108956.1	
108954.4	
108951.4	
108942.0	
108939.4	
108938.4	
108928.3	
108925.3	
108923.8	
108913.2	
108907.8	
108883.3	
108881.7	
108880.7	
108875.5	R(2)R(1)R(0)
108872.9	R(3)
108871.3	Q(1)
108869.2	R(4)
108868.5	Q(2)
108864.1	Q(3)P(2)R(5)
108857.6	Q(4)P(3)R(6)
108850.5	Q(5)R(7)
108849.3	P(4)
108841.7	Q(6)
108839.5	P(5)
108831.5	Q(7)
108830.2	R(9)
108828.6	P(6)
108819.9	Q(8)
108816.1	P(7)
108806.7	
108804.7	
108803.8	
108802.0	P(8)
108798.1	
108793.4	
108792.4	
108787.3	P(9)

Wavenumber	$c_3(2) - X(0)$ $^{14}\text{N}_2$
108787.1	
108781.0	
108779.0	
108776.5	
108773.1	
108770.5	
108764.1	
108760.7	
108759.2	
108754.1	
108752.6	
108749.8	
108743.0	
108740.6	
108733.4	
108730.9	
108717.3	
108714.1	R(8)R(9)R(10)
108713.5	R(7)
108712.9	R(6)R(11)
108711.2	R(5)R(12)
108709.3	R(4)R(13)
108707.0	R(3)
108706.7	R(14)
108704.3	R(2)
108701.2	R(1)
108697.9	R(0)
108693.3	Q(2)Q(1)
108692.5	Q(3)
108690.8	Q(4)
108688.9	Q(5)
108686.8	Q(6)
108686.1	P(2)
108684.5	Q(7)
108681.5	P(3)Q(8)
108678.2	Q(9)
108676.4	P(4)
108674.8	Q(10)
108671.4	P(5)
108670.6	P(6)Q(11)
108665.3	P(7)
108664.3	
108663.3	
108660.2	P(8)
108656.7	
108655.8	
108653.1	P(9)
108652.2	

Wavenumber	$c_3(2) - X(0)$ $^{15}\text{N}_2$
108649.8	
108645.8	
108644.1	
108643.1	
108642.7	
108641.1	
108639.2	
108636.9	
108634.3	
108631.4	
108628.1	
108626.1	
108623.9	
108622.9	
108621.4	
108619.6	
108617.6	
108616.9	
108615.3	
108612.3	
108609.4	
108607.3	
108606.3	
108602.3	
108598.0	
108596.8	
108593.2	
108591.0	
108588.7	
108584.9	
108578.3	
108573.4	R(7)
108571.4	R(6)
108570.2	R(5)
108568.4	R(4)
108566.2	R(3)
108563.8	R(2)
108561.0	R(1)
108557.8	R(0)
108554.0	Q(1)Q(2)
108552.5	Q(3)
108551.4	Q(4)
108549.6	Q(5)
108547.6	Q(6)
108545.4	Q(7)
108542.4	P(3)Q(8)
108540.4	Q(9)
108537.7	P(4)Q(10)

Wavenumber	$c_3(2) - X(0)$ $^{15}\text{N}_2$	$c'_4(2) - X(0)$ $^{15}\text{N}_2$
108532.9	P(5)	
108529.9		
108527.5	P(6)	
108524.4		
108522.0	P(7)	
108519.6		
108516.2	P(8)	
108513.0		
108509.9	P(9)	
108503.4	P(10)	
108498.4		
108495.9	P(11)	
108489.8		
108488.0	P(12)	
108480.9	P(13)	
108476.7		
108474.4		
108472.6		
108472.4		
108471.1		
108469.8		
108468.3		
108468.0		
108465.8		
108462.4		
108461.0		
108458.1		
108456.3		
108454.8		
108452.2		
108449.9		
108447.5		
108445.6		
108442.0		
108441.5		
108439.5		
108438.9		
108432.7		
108430.1		
108422.1		
108419.7		
108410.2		
108408.0		
108397.9		R(3)R(2)R(1)
108396.2		R(4)R(0)
108393.7		R(5)
108389.8		P(1)R(6)
108385.1		P(2)R(7)
108379.1		P(3)R(8)

Wavenumber	$c'_4(2) - X(0)$ $^{15}\text{N}_2$	$b(10) - X(0)$ $^{14}\text{N}_2$
108374.2		R(2)R(1)R(0)
108372.2	P(4)R(9)	R(3)
108370.0		Q(1)
108368.1		R(4)
108366.9		Q(2)
108364.3	P(5)	
108362.4		Q(3)R(5)P(2)
108360.4		
108358.4		
108355.4	P(6)	Q(4)R(6)P(3)
108355.0		
108352.8		
108349.8		
108348.1		Q(5)
108346.4		P(4)
108345.4	P(7)	
108343.8		
108342.5		
108341.6		
108339.0		Q(6)
108337.2		R(8)
108336.0		P(5)
108334.2	P(8)	
108331.8		
108327.9		Q(7)
108324.4		P(6)
108322.1	P(9)	
108318.6		
108315.5		Q(8)
108313.6		
108312.2		R(10)
108311.1		P(7)
108308.7	P(10)	
108303.9		
108301.3		Q(9)
108297.6		
108296.2		P(8)
108294.3	P(11)	
108285.7		
108278.6		
108265.3		
108262.8		
108261.0		
108259.0		
108258.2		
108253.6		
108247.4		
108246.9		

Wavenumber	$b(10) - X(0)$ $^{15}\text{N}_2$
108239.8	
108238.5	
108232.6	
108230.9	
108229.1	
108228.4	
108226.9	
108220.3	
108217.8	
108216.9	
108210.9	
108208.2	
108205.2	
108204.0	
108201.6	
108199.3	
108197.2	
108194.7	
108192.5	
108190.8	
108189.6	
108185.1	
108179.5	
108176.9	
108174.8	
108173.7	
108168.1	
108163.0	
108160.5	
108153.4	R(1)
108152.8	R(2)
108150.8	R(3)
108149.2	Q(1)
108147.3	R(4)
108146.4	Q(2)
108142.1	Q(3)P(2)R(5)
108140.1	
108138.5	
108135.8	Q(4)R(6)
108135.1	P(3)
108128.5	Q(5)
108127.6	R(7)
108126.8	P(4)
108124.9	
108120.1	Q(6)
108118.1	R(8)
108117.4	P(5)
108109.9	Q(7)

Wavenumber	$b(10) - X(0)$ $^{15}\text{N}_2$	$b'(6) - X(0)$ $^{14}\text{N}_2$	$b'(6) - X(0)$ $^{14}\text{N}^{15}\text{N}$
108107.6	R(9)		
108106.6	P(6)		
108098.3	Q(8)		
108095.4	R(10)		
108094.1	P(7)		
108085.2	Q(9)		
108081.6	R(11)		
108080.2	P(8)		
108070.7	Q(10)		
108066.3	R(12)		
108064.9	P(9)		
108054.6	Q(11)		
108049.6	R(13)		
108048.1	P(10)		
108037.1	Q(12)		
108031.4	R(14)		
108029.8	P(11)		
108018.1	Q(13)		
108011.7	R(15)		
108010.0	P(12)		
108000.9		R(2)R(1)R(0)	
107997.6		R(3)	
107994.4		R(4)P(1)	
107993.7	Q(14)		
107990.0	R(16)		
107988.9	P(13)	R(5)P(2)	
107985.4			
107983.8			
107982.0		R(6)P(3)	
107979.1			
107975.8			
107973.1		R(7)P(4)	
107971.2			
107967.6			
107965.9	P(14)		
107962.6		R(8)P(5)	
107960.6			
107950.7		R(9)P(6)	
107941.8	P(15)		
107939.7			R(2)R(1)R(0)
107937.3			R(3)
107933.4			R(4)P(1)
107928.0			R(5)P(2)
107923.8			
107921.1			R(6)P(3)
107916.1			
107912.6			R(7)P(4)
107902.8			R(8)P(5)
107891.3			R(9)P(6)

Wavenumber	$b'(6) - X(0)$ $^{15}\text{N}_2$	$b'(6) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$o_3(1) - X(0)$ $^{14}\text{N}_2$	$b(9) - X(0)$ $^{14}\text{N}_2$
107877.5	R(2)R(1)R(0)			
107875.0	R(3)			
107871.2	R(4)P(1)			
107866.2	R(5)P(2)			
107863.9		P(8)		
107859.3	R(6)P(3)			
107851.5	R(7)P(4)			
107841.6	R(8)P(5)			
107830.9	R(9)P(6)			
107818.1	P(7)			
107804.3	P(8)			
107788.7	P(9)			
107773.1				
107772.0	P(10)			
107769.4				
107766.9				
107765.2				
107761.9				
107761.4				
107759.4				
107754.8				
107753.3	P(11)			
107751.8				
107746.3				
107742.7				
107736.3				
107724.7				
107719.7				
107711.4				
107696.6				
107656.0			R(3)R(2)	
107654.6			R(4)R(1)	
107652.3			R(6)R(0)	
107650.4			R(7)	
107650.1			R(8)	
107647.8			R(9)Q(1)	
107644.3			Q(2)R(10)	
107642.4			Q(3)R(11)	
107639.750			Q(4)P(2)R(12)	R(3)R(2)
107636.0			R(13)	R(4)R(1)
107635.0			Q(5)P(3)	R(0)
107632.9			R(14)	R(5)
107629.7			Q(6)	Q(1)
107628.6				Q(2)
107627.4			P(4)R(15)	Q(3)R(6)
107624.6			Q(7)	

Wavenumber	$o_3(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$o_3(1) - X(0)$ $^{15}\text{N}_2$	$b(9) - X(0)$ $^{14}\text{N}^{15}\text{N}$
107618.7	R(4)R(5)R(6)		
107616.9	R(3)		
107615.2	R(2)		
107612.9	R(1)		
107610.1	R(0)		
107606.0	Q(1)		
107605.1	Q(2)		
107603.5	Q(3)		
107601.6	Q(4)		
107598.9	Q(5)P(2)		
107595.9	Q(6)		
107593.4	P(3)		
107592.5	Q(7)		
107588.6	P(4)	R(4)-R(8)	
107586.5		R(3)R(9)	
107584.4		R(2)R(10)	
107582.0	P(5)	R(1)	
107580.7	Q(8)		
107579.5		R(0)	
107575.4		Q(2)Q(1)	
107573.3		Q(3)	
107571.4		Q(4)	
107571.2			
107568.9		Q(5)P(2)	
107566.1		Q(6)	
107566.0			
107562.9		Q(7)P(3)	
107559.0			
107558.6		Q(8)P(4)	
107554.6		Q(9)	
107552.8		P(5)	
107550.0		Q(10)	
107546.7		P(6)	
107544.7		Q(11)	
107540.1		P(7)	
107538.0		Q(12)	
107536.3			Q(1)
107533.0		P(8)	
107530.8		Q(13)	
107529.2			P(2)
107525.6		P(9)	
107523.5		Q(14)	

Wavenumber	$o_3(1) - X(0)$ $^{15}\text{N}_2$	$b(9) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$b(9) - X(0)$ $^{15}\text{N}_2$	$b'(5) - X(0)$ $^{14}\text{N}_2$
107521.1		R(7)		
107519.1		Q(5)		
107517.6	P(10)			
107514.6	Q(15)			
107511.2		Q(6)		
107509.1	P(11)			
107504.4	Q(16)			
107500.3	P(12)			
107492.9	Q(17)			
107490.7	P(13)			
107487.7				
107480.0	P(14)			
107473.8				
107465.4				
107460.1				
107458.4				
107446.6			R(2)R(1)	
107444.5			R(3)R(0)	
107442.1			Q(1)	
107441.7			R(4)	
107439.4			Q(2)	
107436.4			R(5)	
107435.2			Q(3)P(2)	
107429.8			Q(4)R(6)	
107428.3			P(3)	
107422.7			Q(5)R(7)	
107420.4			P(4)	
107414.3			Q(6)R(8)	
107411.1			P(5)	
107404.3			Q(7)R(9)	
107400.4			P(6)	
107393.2			Q(8)	
107392.7			R(10)	
107388.3			P(7)	
107380.7			Q(9)	
107379.2			R(11)	
107374.9			P(8)	
107366.9			Q(10)	
107365.0			R(12)	
107360.0			P(9)	
107351.5			Q(11)	
107349.1			R(13)	
107343.8			P(10)	
107334.7			Q(12)	
107328.3				R(2)R(0)
107326.9				
107326.2			P(11)	
107316.8			Q(13)	

Wavenumber	$b(9) - X(0)$ $^{15}\text{N}_2$	$b'(5) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$b'(5) - X(0)$ $^{15}\text{N}_2$
107307.2	P(12)		
107305.5			
107286.7	P(13)		
107280.0		R(1)	
107279.5		R(2)R(0)	
107276.6		R(3)	
107273.4		P(1)	
107272.5		R(4)	
107267.8		P(2)	
107266.7		R(5)	
107260.9		P(3)	
107259.3		R(6)	
107252.2		P(4)	
107250.2		R(7)	
107242.0		P(5)	
107239.7		R(8)	
107229.8		P(6)	R(0-2)
107226.8			R(3)
107223.3			P(1)
107222.7			R(4)
107218.1			P(2)
107217.2		P(7)	R(5)
107211.6			P(3)
107210.1			R(6)
107205.7			
107203.3			P(4)
107201.4		P(8)	R(7)
107193.3			P(5)
107191.3			R(8)
107186.8			
107184.7		P(9)	
107181.9			P(6)
107179.5			R(9)
107168.8			P(7)
107166.3		P(10)	R(10)
107154.4			P(8)
107151.4			R(11)
107138.3			P(9)
107134.4			
107133.9			
107130.7			
107127.4			
107126.9			
107122.3			
107121.0			P(10)
107116.9			R(13)
107115.7			
107114.4			

Wavenumber	$b'(5) - X(0)$ $^{15}\text{N}_2$	$b(8) - X(0)$ $^{15}\text{N}_2$	$b'(4) - X(0)$ $^{14}\text{N}_2$	$b'(4) - X(0)$ $^{14}\text{N}^{15}\text{N}$
107107.5				
107105.7				
107101.6	P(11)			
107097.6	R(14)			
107086.1				
107084.0				
107080.8	P(12)			
107073.3				
107058.8	P(13)			
107043.1				
106767.3		R(1-3)		
106761.9		R(5)Q(1)		
106757.7		R(6)		
106756.7		Q(3)		
106752.3		R(7)Q(4)		
106746.2		R(8)Q(5)		
106739.1		R(9)Q(6)		
106733.4		P(5)		
106731.2		Q(7)		
106724.0		P(6)		
106722.1		Q(8)		
106713.6		P(7)		
106712.2		Q(9)		
106701.5		P(8)Q(10)		
106689.2		P(9)Q(11)		
106675.8		P(10)Q(12)		
106662.6		Q(13)		
106661.1		P(11)		
106649.9			R(0-2)	
106648.4		Q(14)	R(3)	
106645.2		P(12)	R(4)	
106637.4			P(2)	
106629.1		P(13)		
106622.0			P(4)	
106612.2			P(5)	
106610.9				R(2)R(1)R(0)
106609.2				R(3)
106606.1				R(4)
106603.9				P(1)
106601.4				R(5)
106598.7				P(2)
106595.5				R(6)
106591.9				P(3)
106588.8				R(7)
106583.9				P(4)
106581.0				R(8)
106574.4				P(5)

Wavenumber	$b'(4) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$b'(4) - X(0)$ $^{15}\text{N}_2$	$c_3(1) - X(0)$ $^{14}\text{N}_2$	$c_3(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$
106570.6		R(2)R(1)R(0)		
106568.7		R(3)		
106565.7		R(4)		
106563.9		P(1)		
106561.3		R(5)		
106558.8		P(2)		
106556.1		R(6)		
106552.3		P(3)		
106548.9		R(7)		
106546.8				
106544.4		P(4)		
106541.4	R(12)			
106539.8		R(8)		
106538.0	P(8)			
106536.5				
106535.2		P(5)		
106532.0		R(9)		
106527.3			Q(1)	
106526.1			Q(2)	
106524.8		P(6)	Q(3)	
106522.4		R(10)	Q(4)	
106519.3			Q(5)	
106516.0			Q(6)	
106513.0		P(7)R(11)		
106508.8			P(4)	
106507.5			Q(8)	
106505.3				
106504.2				
106502.5			Q(9)P(5)	
106499.6				R(4)
106498.8				R(3)
106496.8				R(2)
106494.5				R(1)
106491.6				R(0)
106487.6				Q(1)
106486.5				Q(2)
106485.4				Q(3)
106482.8				Q(4)
106480.0				Q(5)P(2)
106476.7				Q(6)
106475.5				P(3)
106472.8				Q(7)
106469.7				P(4)
106468.2				Q(8)
106462.4				P(5)

Wavenumber	$c_3(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$c_3(1) - X(0)$ $^{15}\text{N}_2$	$c'_4(1) - X(0)$ $^{14}\text{N}_2$
106459.1		R(3-7)	
106456.4		R(2,8)	
106454.4		R(1)	
106452.8		R(9)	
106451.8		R(0)	
106449.7	P(7)	R(10)	
106448.0		Q(1)	
106446.7		Q(2)	
106445.1		Q(3)R(11)	
106444.0			
106442.5		Q(4)	
106441.3		R(12)	
106440.4		P(2)Q(5)	
106436.3		P(3)Q(6)	
106433.9	P(9)	R(13)	
106431.6		Q(7)	
106430.1		P(4)	
106429.0		Q(8)	
106425.7		P(5)R(14)	
106423.0		Q(9)	
106419.9			
106418.3		P(6)	
106416.2		Q(10)	
106414.2	P(11)		
106410.9		P(7)	
106406.4			
106402.1		P(8)	
106398.2			
106395.6		P(9)	
106393.7			
106391.8		Q(13)	
106390.6			
106388.9	P(13)		
106385.8		P(10)	
106384.0			
106382.4			
106381.8		Q(14)	
106380.0			R(4)
106378.9			R(3)
106376.9			R(2)
106375.1		P(11)	R(1)
106373.2			
106372.1			R(0)
106366.0			R(11)
106361.2			
106360.3			P(2)
106354.8			P(3)
106353.2		P(13)	

Wavenumber	$c_3(1) - X(0)$ $^{15}\text{N}_2$	$c'_4(1) - X(0)$ $^{14}\text{N}_2$	$c'_4(1) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$c'_4(1) - X(0)$ $^{15}\text{N}_2$
106349.6			R(4)-R(6)	
106348.7			R(3)R(7)	
106347.0			R(2)R(8)	
106344.7			R(1)R(9)	
106342.9		P(5)		
106341.8			R(0)R(10)	
106339.6	P(14)			
106337.6			R(11)	
106335.9		P(6)		
106334.6			P(1)	
106331.8		R(15)		
106330.2			P(2)	
106328.5		P(7)		
106325.2			P(3)	
106323.1				
106319.3			P(4)	R(4)-R(7)
106317.8				R(3)R(8)
106315.7				R(2)R(9)
106313.7			P(5)	R(1)R(10)
106311.0		P(9)		R(0)
106308.6				R(11)
106307.4			P(6)	
106305.9				
106304.0				P(1)R(12)
106301.8		P(10)		
106299.9			P(7)	P(2)
106298.2				R(13)
106296.5				
106295.1				P(3)
106292.2			P(8)	
106290.0				P(4)
106286.2				
106284.3				P(5)
106281.6				R(15)
106278.1				P(6)
106274.6			P(10)	
106271.3				P(7)
106263.9				P(8)
106255.8				P(9)
106247.1				P(10)
106237.6				P(11)
106227.3				P(12)
106215.8				P(13)
106146.1				
106144.6				
106142.3				
106138.8				

Wavenumber	$b(7) - X(0)$ $^{14}\text{N}_2$	$b(7) - X(0)$ $^{14}\text{N}^{15}\text{N}$
106138.0		
106134.1		
106132.9		
106128.5		
106127.5		
106122.0		
106120.8		
106116.4		
106113.6	R(2)R(1)	
106112.4	R(3)R(0)	
106110.0	R(4)	
106108.1	Q(1)	
106105.8	Q(2)R(5)	
106101.8		
106101.4	Q(3)	
106100.8	R(8)P(2)	
106096.5	Q(4)	
106094.5	R(7)	
106094.1	P(3)	
106090.0	Q(5)	
106086.9	R(8)	
106085.9	P(4)	
106082.3	Q(6)	
106077.9	R(9)	
106076.7	P(5)	
106073.3	Q(7)	
106067.8	R(10)	
106066.3	P(6)	
106062.9	Q(8)	
106054.6	P(7)	
106051.0	Q(9)	
106048.7		R(2)R(1)
106047.5		R(3)R(0)
106045.2		R(4)
106043.4		Q(1)
106041.2		Q(2)R(5)
106037.0		Q(3)R(6)
106036.2		P(2)
106032.1		Q(4)
106030.4		R(7)
106029.6		P(3)
106025.9		Q(5)
106023.1		R(8)
106021.8		P(4)
106018.4		Q(6)
106014.5		R(9)
106013.1		P(5)
106009.7		Q(7)
106007.7		

Wavenumber	$b(7) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$b(7) - X(0)$ $^{15}\text{N}_2$
106006.5		
106004.5	R(10)	
106002.9	P(6)	
106001.6		
105999.8	Q(8)	
105994.9		
105993.8	R(11)	
105991.5	P(7)	
105988.6	Q(9)	
105985.8		
105983.1		
105982.4		R(2)R(1)
105981.5		R(3)R(0)
105979.3		R(4)
105979.0	P(8)	
105977.4		Q(1)
105975.5		Q(2)R(5)
105971.4		Q(3)R(6)
105970.2		P(2)
105966.6		Q(4)
105965.4		R(7)
105963.9		P(3)
105960.7		Q(5)
105958.5		R(8)
105956.6		P(4)
105953.6		Q(6)
105950.3		R(9)
105948.1		P(5)
105945.2		Q(7)
105941.1		R(10)
105938.4		P(6)
105935.8		Q(8)
105933.9	P(11)	
105930.9		R(11)
105927.6		P(7)
105925.2		Q(9)
105919.4		R(12)
105915.6		P(8)
105913.4		Q(10)
105907.1		R(13)
105902.3		P(9)
105900.5		Q(11)
105897.4	P(13)	
105893.7		R(14)
105890.3		
105888.0		P(10)
105886.6		Q(12)
105879.1		R(15)
105877.2	P(14)	

Wavenumber	$b(7) - X(0)$ $^{15}\text{N}_2$	$b'(3) - X(0)$ $^{15}\text{N}_2$	$o_3(0) - X(0)$ $^{14}\text{N}^{15}\text{N}$	$o_3(0) - X(0)$ $^{15}\text{N}_2$
105872.5	P(11)			
105871.8	Q(13)			
105869.0				
105866.6				
105855.6	P(12)Q(14)			
105848.9				
105838.1	P(13)Q(15)			
105826.7		R(2)R(1)R(0)		
105823.6		R(3)		
105820.4		P(1)		
105819.6		R(4)		
105815.4		P(2)		
105813.9		R(5)		
105808.5		P(3)		
105806.6		R(6)		
105801.1	Q(17)			
105799.9		P(4)		
105798.0		R(7)		
105790.1		P(5)		
105787.5		R(8)		
105778.5		P(6)		
105775.9		R(9)		
105765.6		P(7)		
105750.9		P(8)		
105734.8		P(9)		
105675.0			R(4)	
105674.4			R(3)	
105672.6			R(2)	
105670.4			R(1)	
105667.8			R(0)	
105664.1			Q(1)	
105662.6			Q(2)	
105657.8				
105654.9				R(3-7)
105653.6				R(2)R(8)
105650.9				R(1)
105650.1			P(6)	R(9)
105648.4				R(0)
105647.8			Q(7)	R(10)
105644.4				Q(1)
105643.5				Q(2)
105641.7				Q(3)
105639.4				Q(4)
105636.7				Q(5)P(2)
105635.4				R(13)
105633.1				Q(6)
105632.5				P(3)
105629.4				Q(7)