

List of the observed wavelength of the Fourth Positive bands of CO [ $A(v) \ ^1\Pi \rightarrow X(v) \ ^1\Sigma^+$ ], Å.

A: Wavelength region of 2448.86Å- 2129.37Å

Wavelength	A(4)-X(15)
2448.856	P(30)
2448.133	P(29)
2447.428	P(28)
2446.743	P(27)
2446.077	P(26)
2445.430	P(25)
2444.801	P(24)
2444.195	P(23)
2443.599	P(22)
2443.478	Q(30)
2443.025	P(21)
2442.934	Q(29)
2442.471	P(20)
2442.408	Q(28)
2441.934	P(19)
2441.902	Q(27)
2441.415	Q(26)
2441.415	P(18)
2440.945	Q(25)
2440.914	P(17)
2440.496	Q(24)
2440.431	P(16)
2440.034	Q(23)
2439.992	Q(23) <sub>ext</sub>
2439.966	P(15)
2439.655	Q(22)
2439.520	P(14)
2439.260	Q(21)
2439.090	P(13)
2438.884	Q(20)
2438.678	P(12)
2438.526	Q(19)
2438.283	P(11)
2438.186	Q(18)
2437.907	P(10)
2437.865	Q(17)
2437.562	Q(16)
2437.548	P(9)
2437.276	Q(15)
2437.207	P(8)
2437.008	Q(14)
2436.881	P(7)
2436.758	Q(13)
2436.575	P(6)
2436.526	Q(12)

Wavelength	A(4)-X(15)	A(5)-X(14)
2436.311	Q(11)	
2436.285	P(5)	
2436.113	Q(10)	
2436.013	P(4)	
2435.933	Q(9)	
2435.771	Q(8)	
2435.759	P(3)	
2435.625	Q(7)	
2435.523	P(2)	
2435.497	Q(6)	
2435.387	Q(5)	
2435.294	Q(4)	
2435.219	Q(3)	
2435.166	Q(2)	
2435.128	Q(1)	
2434.932	R(0)	
2434.792	R(18)	
2434.775	R(1)	
2434.649	R(17)	
2434.634	R(2)	
2434.523	R(16)	
2434.513	R(3)	
2434.416	R(15)	
2434.409	R(4)	
2434.327	R(14)	
2434.322	R(5)	
2434.255	R(13)	
2434.253	R(6)	
2434.203	R(12)	
2434.201	R(7)	
2434.167	R(11)	
2434.166	R(8)	
2434.149	R(10)	
2434.148	R(9)	
2285.491		P(40)
2284.519		P(39)
2283.566		P(38)
2282.617		P(37)
2281.789		P(36)
2280.829		P(35)
2280.085		P(34)
2279.396		Q(40)
2279.318		P(33)
2278.577		Q(39)
2278.427		P(32)
2277.779		Q(38)
2277.624		P(31)
2276.985		Q(37)
2276.841		P(30)
2276.278		Q(36)

Wavelength	A(5)-X(14)
2276.099	P(29)
2275.604	Q(35)
2275.366	P(28)
2274.869	Q(34)
2274.656	P(27)
2274.167	Q(33)
2273.966	P(26)
2273.598	Q(32)
2273.314	Q(32) <sub>ext</sub>
2273.298	P(25)
2272.949	Q(31)
2272.650	P(24)
2272.282	Q(30)
2272.023	P(23)
2271.670	Q(29)
2271.417	P(22)
2271.100	Q(28)
2270.830	P(21)
2270.539	Q(27)
2270.264	P(20)
2270.001	Q(26)
2269.717	P(19)
2269.485	Q(25)
2269.192	P(18)
2268.989	Q(24)
2268.686	P(17)
2268.515	Q(23)
2268.196	P(16)
2268.061	Q(22)
2267.735	P(15)
2267.627	Q(21)
2267.289	P(14)
2267.212	Q(20)
2266.862	P(13)
2266.819	Q(19)
2266.455	P(12)
2266.443	Q(18)
2266.094	Q(17)
2266.068	P(11)
2265.760	Q(16)
2265.701	P(10)
2265.446	Q(15)
2265.354	P(9)
2265.152	Q(14)
2265.026	P(8)
2264.878	Q(13)
2264.710	P(7)
2264.619	Q(12)
2264.427	P(6)
2264.391	Q(11)

Wavelength	A(5)-X(14)	A(4)-X(13)
2264.176	Q(10)	
2264.158	P(5)	
2263.981	Q(9)	
2263.908	P(4)	
2263.805	Q(8)	
2263.678	P(3)	
2263.649	Q(7)	
2263.558	R(18)	
2263.514	Q(6)	
2263.468	P(2)	
2263.397	Q(5)	
2263.356	R(17)	
2263.300	Q(4)	
2263.219	Q(3)	
2263.175	R(16)	
2263.164	Q(2)	
2263.125	Q(1)	
2263.013	R(15)	
2262.952	R(0)	
2262.867	R(14)	
2262.819	R(1)	
2262.750	R(13)	
2262.705	R(2)	
2262.647	R(12)	
2262.611	R(3)	
2262.565	R(11)	
2262.536	R(4)	
2262.501	R(10)	
2262.475	R(5)	
2262.458	R(9)	
2262.447	R(6)	
2262.435	R(8)	
2262.432	R(7)	
2261.216		P(40)
2260.290		P(39)
2259.386		P(38)
2258.503		P(37)
2257.637		P(36)
2256.717		P(35)
2256.016		P(34)
2255.207		P(33)
2255.132		Q(40)
2254.426		P(32)
2254.357		Q(39)
2253.667		P(31)
2253.593		Q(38)
2252.928		P(30)
2252.716		Q(37)
2252.224		Q(36)
2252.210		P(29)

Wavelength	A(4)-X(13)
2251.518	Q(35)
2251.511	P(28)
2250.832	P(27)
2250.744	Q(34)
2250.197	Q(33)
2250.173	P(26)
2249.569	Q(32)
2249.533	P(25)
2248.962	Q(31)
2248.912	P(24)
2248.376	Q(30)
2248.311	P(23)
2247.809	Q(29)
2247.729	P(22)
2247.261	Q(28)
2247.166	P(21)
2246.734	Q(27)
2246.623	P(20)
2246.227	Q(26)
2246.098	P(19)
2245.738	Q(25)
2245.592	P(18)
2245.269	Q(24)
2245.105	P(17)
2244.794	Q(23)
2244.758	Q(23) <sub>ext</sub>
2244.636	P(16)
2244.391	Q(22)
2244.186	P(15)
2243.980	Q(21)
2243.756	P(14)
2243.588	Q(20)
2243.343	P(13)
2243.215	Q(19)
2242.949	P(12)
2242.860	Q(18)
2242.573	P(11)
2242.525	Q(17)
2242.216	P(10)
2242.209	Q(16)
2241.911	Q(15)
2241.877	P(9)
2241.631	Q(14)
2241.557	P(8)
2241.370	Q(13)
2241.254	P(7)
2241.129	Q(12)
2240.970	P(6)
2240.904	Q(11)
2240.703	P(5)

Wavelength	A(4)-X(13)	A(5)-X(13)
2240.699	Q(10)	
2240.511	Q(9)	
2240.456	P(4)	
2240.343	Q(8)	
2240.227	P(3)	
2240.191	Q(7)	
2240.190	R(19)	
2240.058	Q(6)	
2240.017	P(2)	
2239.987	R(18)	
2239.944	Q(5)	
2239.848	Q(4)	
2239.801	R(17)	
2239.771	Q(3)	
2239.715	Q(2)	
2239.676	Q(1)	
2239.637	R(16)	
2239.506	R(0)	
2239.491	R(15)	
2239.377	R(1)	
2239.363	R(14)	
2239.265	R(2)	
2239.253	R(13)	
2239.173	R(3)	
2239.163	R(12)	
2239.099	R(4)	
2239.091	R(11)	
2239.043	R(5)	
2239.037	R(10)	
2239.006	R(6)	
2239.001	R(9)	
2238.986	R(7)	
2238.985	R(8)	
2187.758		P(30)
2187.023		P(29)
2186.298		P(28)
2185.596		P(27)
2184.914		P(26)
2184.253		P(25)
2183.614		P(24)
2183.549		Q(30)
2182.995		P(23)
2182.933		Q(29)
2182.397		P(22)
2182.359		Q(28)
2181.818		P(21)
2181.794		Q(27)
2181.261		P(20)
2181.252		Q(26)
2180.733		Q(25)

Wavelength	A(5)-X(13)
2180.723	P(19)
2180.234	Q(24)
2180.206	P(18)
2179.756	Q(23)
2179.709	P(17)
2179.298	Q(22)
2179.229	P(16)
2178.861	Q(21)
2178.777	P(15)
2178.444	Q(20)
2178.340	P(14)
2178.047	Q(19)
2177.923	P(13)
2177.668	Q(18)
2177.525	P(12)
2177.361	Q(17)
2177.149	P(11)
2176.980	Q(16)
2176.791	P(10)
2176.664	Q(15)
2176.455	P(9)
2176.368	Q(14)
2176.137	P(8)
2176.091	Q(13)
2175.832	P(7)
2175.831	Q(12)
2175.600	Q(11)
2175.559	P(6)
2175.383	Q(10)
2175.301	P(5)
2175.187	Q(9)
2175.062	P(4)
2175.010	Q(8)
2174.844	P(3)
2174.853	Q(7)
2174.644	P(2)
2174.716	Q(6)
2174.598	Q(5)
2174.501	Q(4)
2174.421	Q(3)
2174.417	R(15)
2174.364	Q(2)
2174.324	Q(1)
2174.258	R(14)
2174.163	R(0)
2174.127	R(13)
2174.042	R(1)
2174.011	R(12)

Wavelength	A(5)-X(13)	A(4)-X(12)
2173.940	R(2)	
2173.915	R(11)	
2173.858	R(3)	
2173.838	R(10)	
2173.796	R(4)	
2173.782	R(9)	
2173.748	R(5)	
2173.745	R(8)	
2173.732	R(6)	
2173.729	R(7)	
2164.472		P(30)
2163.697		P(29)
2163.067		P(28)
2162.395		P(27)
2161.742		P(26)
2161.109		P(25)
2160.495		P(24)
2160.270		Q(30)
2159.901		P(23)
2159.697		Q(29)
2159.655		P(23) <sub>ext</sub>
2159.327		P(22)
2159.144		Q(28)
2158.771		P(21)
2158.612		Q(27)
2158.236		P(20)
2158.100		Q(26)
2157.719		P(19)
2157.606		Q(25)
2157.221		P(18)
2157.133		Q(24)
2156.742		P(17)
2156.655		Q(23)
2156.622		Q(23) <sub>ext</sub>
2156.282		P(16)
2156.246		Q(22)
2155.841		P(15)
2155.831		Q(21)
2155.435		Q(20)
2155.420		P(14)
2155.058		Q(19)
2155.016		P(13)
2154.699		Q(18)
2154.631		P(12)
2154.361		Q(17)
2154.264		P(11)
2154.042		Q(16)
2153.918		P(10)
2153.741		Q(15)
2153.589		P(9)



Wavelength	A(4)-X(12)	A(3)-X(11)
2153.459	Q(14)	
2153.279	P(8)	
2153.195	Q(13)	
2152.986	P(7)	
2152.951	Q(12)	
2152.725	Q(11)	
2152.713	P(6)	
2152.517	Q(10)	
2152.457	P(5)	
2152.328	Q(9)	
2152.220	P(4)	
2152.158	Q(8)	
2152.003	P(3)	
2152.005	Q(7)	
2151.871	Q(6)	
2151.804	P(2)	
2151.756	Q(5)	
2151.659	Q(4)	
2151.581	Q(3)	
2151.525	Q(2)	
2151.507	R(15)	
2151.485	Q(1)	
2151.365	R(14)	
2151.328	R(0)	
2151.241	R(13)	
2151.210	R(1)	
2151.137	R(12)	
2151.110	R(2)	
2151.051	R(11)	
2151.030	R(3)	
2150.983	R(10)	
2150.968	R(4)	
2150.934	R(9)	
2150.924	R(5)	
2150.904	R(8)	
2150.900	R(6)	
2150.893	R(7)	
2142.116		P(30)
2141.427		P(29)
2140.761		P(28)
2140.112		P(27)
2139.488		P(26)
2138.880		P(25)
2138.290		P(24)
2137.915		Q(30)
2137.718		P(23)
2137.362		Q(29)
2137.167		P(22)
2136.927		Q(28)
2136.633		P(21)

Wavelength	A(3)-X(11)
2136.361	Q(27)
2136.118	P(20)
2135.866	Q(26)
2135.620	P(19)
2135.398	Q(25)
2135.142	P(18)
2134.947	Q(24)
2134.681	P(17)
2134.515	Q(23)
2134.238	P(16)
2134.101	Q(22)
2133.812	P(15)
2133.708	Q(21)
2133.406	P(14)
2133.332	Q(20)
2133.017	P(13)
2132.974	Q(19)
2132.646	P(12)
2132.633	Q(18)
2132.312	Q(17)
2132.294	P(11)
2132.009	Q(16)
2131.959	P(10)
2131.724	Q(15)
2131.641	P(9)
2131.455	Q(14)
2131.341	P(8)
2131.206	Q(13)
2131.060	P(7)
2130.975	Q(12)
2130.795	P(6)
2130.761	Q(11)
2130.565	Q(10)
2130.549	P(5)
2130.388	Q(9)
2130.321	P(4)
2130.227	Q(8)
2130.111	P(3)
2130.085	Q(7)
2129.918	P(2)
2129.961	Q(6)
2129.854	Q(5)
2129.765	Q(4)
2129.693	Q(3)
2129.642	Q(2)
2129.606	Q(1)
2129.500	R(15)
2129.448	R(0)
2129.371	R(14)