

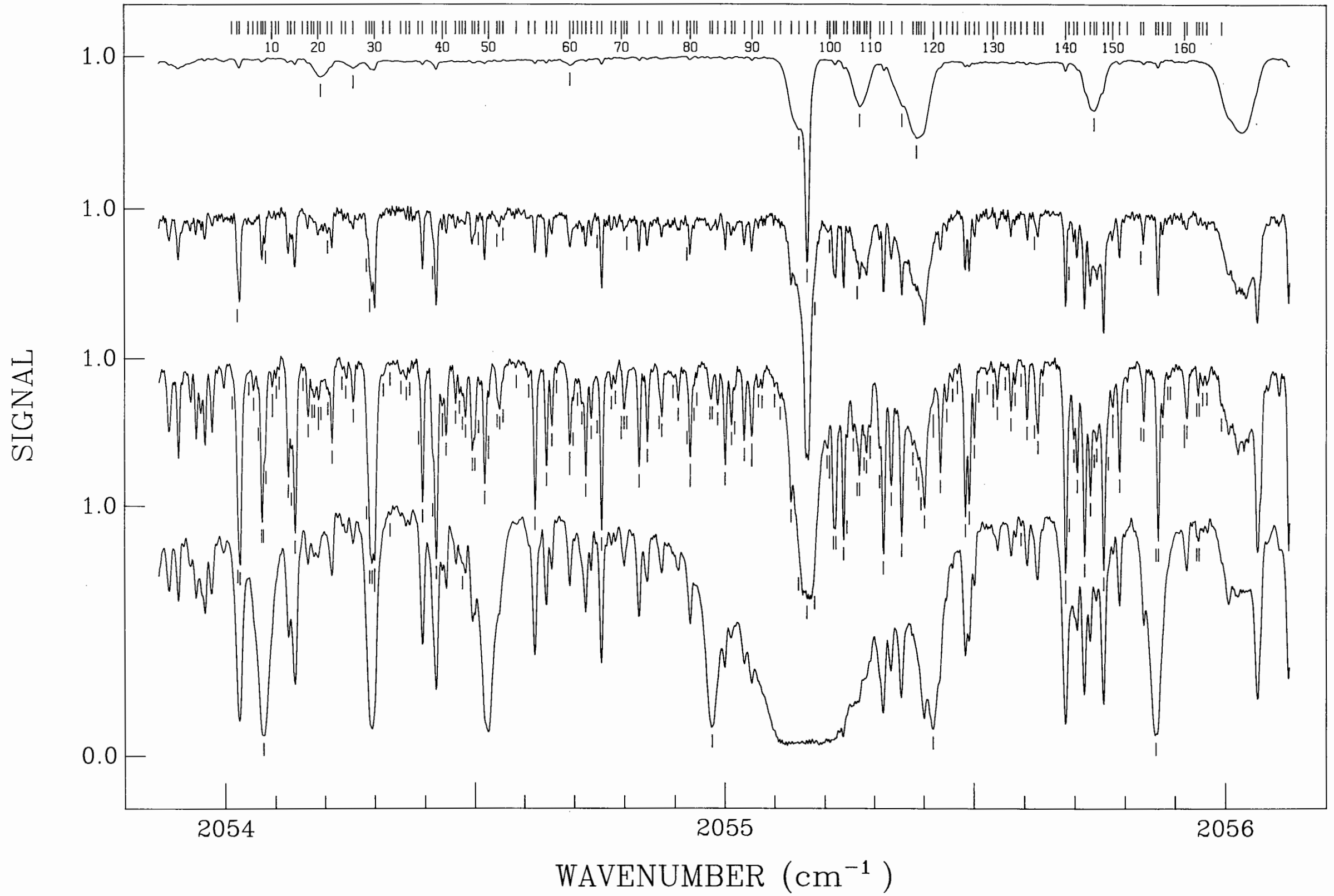
4 JUNE 1990

32.5KM 68.50°

37.08KM 90.64°

37.05KM 92.27°

36.76KM 94.49°



2054-2056 cm⁻¹

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
1	2054.0143	¹⁶ O ¹⁶ O ¹⁸ O?	30	2054.2995	¹⁶ O ₃ + CO ₂
2	2054.0247	¹⁶ O ₃ , CO ₂	31	2054.3167	¹⁶ O ₃
3	2054.0294	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?	32	2054.3302	CO ₂ ?
4	2054.0469	¹⁶ O ₃ ?	33	2054.3519	¹⁶ O ₃
5	2054.0562	CO ₂ , CO	34	2054.3629	¹⁶ O ₃
6	2054.0655	¹⁶ O ¹⁸ O ¹⁶ O?	35	2054.3697	CO ₂
7	2054.0734	¹⁶ O ₃	36	2054.3869	¹⁶ O ₃
8	2054.0768	OCS	37	2054.3950	¹⁶ O ₃
9	2054.0793	¹⁶ O ₃	38	2054.4148	¹⁶ O ₃
10	2054.0938	CO ₂	39	2054.4222	¹⁶ O ₃
11	2054.1017	¹⁶ O ¹⁶ O ¹⁸ O	40	2054.4345	¹⁶ O ₃
12	2054.1079	¹⁶ O ₃	41	2054.4421	¹⁶ O ₃ , CO ₂
13	2054.1261	¹⁶ O ₃	42	2054.4611	CO ₂
14	2054.1322	¹⁶ O ₃	43	2054.4691	¹⁶ O ₃
15	2054.1398	¹⁶ O ₃ + CO ₂	44	2054.4749	¹⁶ O ¹⁸ O ¹⁶ O
16	2054.1554	¹⁶ O ₃ ?	45	2054.4807	¹⁶ O ₃
17	2054.1658	¹⁶ O ₃	46	2054.4947	¹⁶ O ₃
18	2054.1738	¹⁶ O ₃	47	2054.4991	¹⁶ O ₃
19	2054.1782	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃	48	2054.5071	¹⁶ O ¹⁶ O ¹⁸ O?
20	2054.1873	CO ₂ , ¹⁶ O ₃	49	2054.5199	¹⁶ O ₃ , CO ₂
21	2054.1906	solar CO	50	2054.5274	OCS, ¹⁶ O ¹⁸ O ¹⁶ O
22	2054.2056	¹⁶ O ₃	51	2054.5446	¹⁶ O ₃
23	2054.2139	¹⁶ O ₃	52	2054.5497	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?
24	2054.2338	¹⁶ O ¹⁸ O ¹⁶ O	53	2054.5568	CO ₂
25	2054.2417	CO ₂	54	2054.5833	?
26	2054.2568	¹⁶ O ₃ + solar CO	55	2054.6081	CO ₂
27	2054.2835	¹⁶ O ₃	56	2054.6208	¹⁶ O ₃
28	2054.2901	¹⁶ O ₃	57	2054.6441	¹⁶ O ₃
29	2054.2943	¹⁶ O ₃	58	2054.6550	¹⁶ O ₃

2054-2056 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
59	2054.6644	?	88	2055.0192	¹⁶ O ₃
60	2054.6907	¹⁶ O ₃ , solar CO	89	2055.0385	¹⁶ O ₃
61	2054.6975	¹⁶ O ₃ + CO ₂	90	2055.0535	CO ₂ , ¹⁶ O ₃
62	2054.7062	¹⁶ O ₃	91	2055.0668	¹⁶ O ₃
63	2054.7148	¹⁶ O ¹⁸ O ¹⁶ O	92	2055.0739	¹⁶ O ₃
64	2054.7230	¹⁶ O ₃	93	2055.0990	¹⁶ O ₃ ?
65	2054.7336	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O?	94	2055.1105	?
66	2054.7455	¹⁶ O ₃ ?	95	2055.1321	¹⁶ O ₃
67	2054.7546	¹⁶ O ₃	96	2055.1472	solar CO
68	2054.7737	¹⁶ O ₃	97	2055.1637	CO ₂ + ¹⁶ O ₃
69	2054.7818	¹⁶ O ¹⁸ O ¹⁶ O	98	2055.1791	¹⁶ O ₃ ?
70	2054.7936	CO ₂ ?	99	2055.2038	¹⁶ O ¹⁸ O ¹⁶ O
71	2054.7992	¹⁶ O ¹⁸ O ¹⁶ O	100	2055.2085	¹⁶ O ₃ ?
72	2054.8045	¹⁶ O ₃	101	2055.2177	¹⁶ O ₃
73	2054.8289	¹⁶ O ₃	102	2055.2201	¹⁶ O ₃
74	2054.8453	¹⁶ O ₃	103	2055.2368	¹⁶ O ₃
75	2054.8684	¹⁶ O ¹⁶ O ¹⁸ O?	104	2055.2436	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃
76	2054.8738	¹⁶ O ₃	105	2055.2566	¹⁶ O ₃
77	2054.8961	¹⁶ O ¹⁶ O ¹⁸ O?	106	2055.2642	CO ₂ ?
78	2054.9065	¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ₃ + CO ₂ ?	107	2055.2689	¹⁶ O ₃ + solar CO
79	2054.9239	¹⁶ O ¹⁶ O ¹⁸ O? + CO ₂ ?	108	2055.2785	¹⁶ O ¹⁶ O ¹⁸ O?
80	2054.9305	¹⁶ O ₃	109	2055.2833	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O?
81	2054.9381	¹⁶ O ¹⁸ O ¹⁶ O?	110	2055.2908	¹⁶ O ¹⁸ O ¹⁶ O
82	2054.9439	¹⁶ O ¹⁶ O ¹⁸ O?	111	2055.3097	¹⁶ O ₃ , CO ₂
83	2054.9704	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O?	112	2055.3177	¹⁶ O ₃
84	2054.9734	OCS	113	2055.3333	¹⁶ O ₃
85	2054.9851	¹⁶ O ¹⁸ O ¹⁶ O	114	2055.3544	¹⁶ O ₃ + solar CO, ¹⁶ O ¹⁶ O ¹⁸ O?
86	2054.9998	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O?	115	2055.3770	¹⁶ O ₃
87	2055.0126	¹⁶ O ₃	116	2055.3856	solar CO + ¹⁶ O ₃

2054-2056 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
117	2055.3878	¹⁶ O ₃	146	2055.7387	solar CO
118	2055.3928	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃	147	2055.7436	¹⁶ O ₃ + solar CO
119	2055.4006	CO	148	2055.7578	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?
120	2055.4185	OCS	149	2055.7667	¹⁶ O ¹⁶ O ¹⁸ O?
121	2055.4327	¹⁶ O ₃	150	2055.7759	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O?
122	2055.4451	¹⁶ O ₃	151	2055.7894	¹⁶ O ₃
123	2055.4569	¹⁶ O ₃	152	2055.8047	¹⁶ O ¹⁶ O ¹⁸ O
124	2055.4663	?	153	2055.8318	¹⁶ O ¹⁸ O ¹⁶ O?
125	2055.4825	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O	154	2055.8372	CO ₂ , ¹⁶ O ₃
126	2055.4903	¹⁶ O ₃	155	2055.8626	OCS
127	2055.5007	¹⁶ O ₃	156	2055.8664	¹⁶ O ₃
128	2055.5096	?	157	2055.8754	¹⁶ O ₃
129	2055.5265	?	158	2055.8861	¹⁶ O ₃ ?
130	2055.5380	¹⁶ O ¹⁶ O ¹⁸ O	159	2055.8900	¹⁶ O ₃ ?
131	2055.5461	¹⁶ O ₃	160	2055.9188	¹⁶ O ₃ ?
132	2055.5618	¹⁶ O ¹⁶ O ¹⁸ O?	161	2055.9234	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O
133	2055.5731	¹⁶ O ₃	162	2055.9438	¹⁶ O ¹⁸ O ¹⁶ O?
134	2055.5811	¹⁶ O ₃	163	2055.9478	¹⁶ O ¹⁸ O ¹⁶ O
135	2055.5931	?	164	2055.9550	¹⁶ O ₃
136	2055.6053	¹⁶ O ₃	165	2055.9634	¹⁶ O ₃
137	2055.6202	¹⁶ O ¹⁸ O ¹⁶ O	166	2055.9923	¹⁶ O ¹⁶ O ¹⁸ O?
138	2055.6268	¹⁶ O ₃			
139	2055.6365	¹⁶ O ¹⁸ O ¹⁶ O			
140	2055.6818	¹⁶ O ₃			
141	2055.6887	¹⁶ O ₃ ?			
142	2055.6983	¹⁶ O ₃ , CO ₂ ?			
143	2055.7050	¹⁶ O ₃			
144	2055.7196	¹⁶ O ₃			
145	2055.7311	¹⁶ O ₃			