

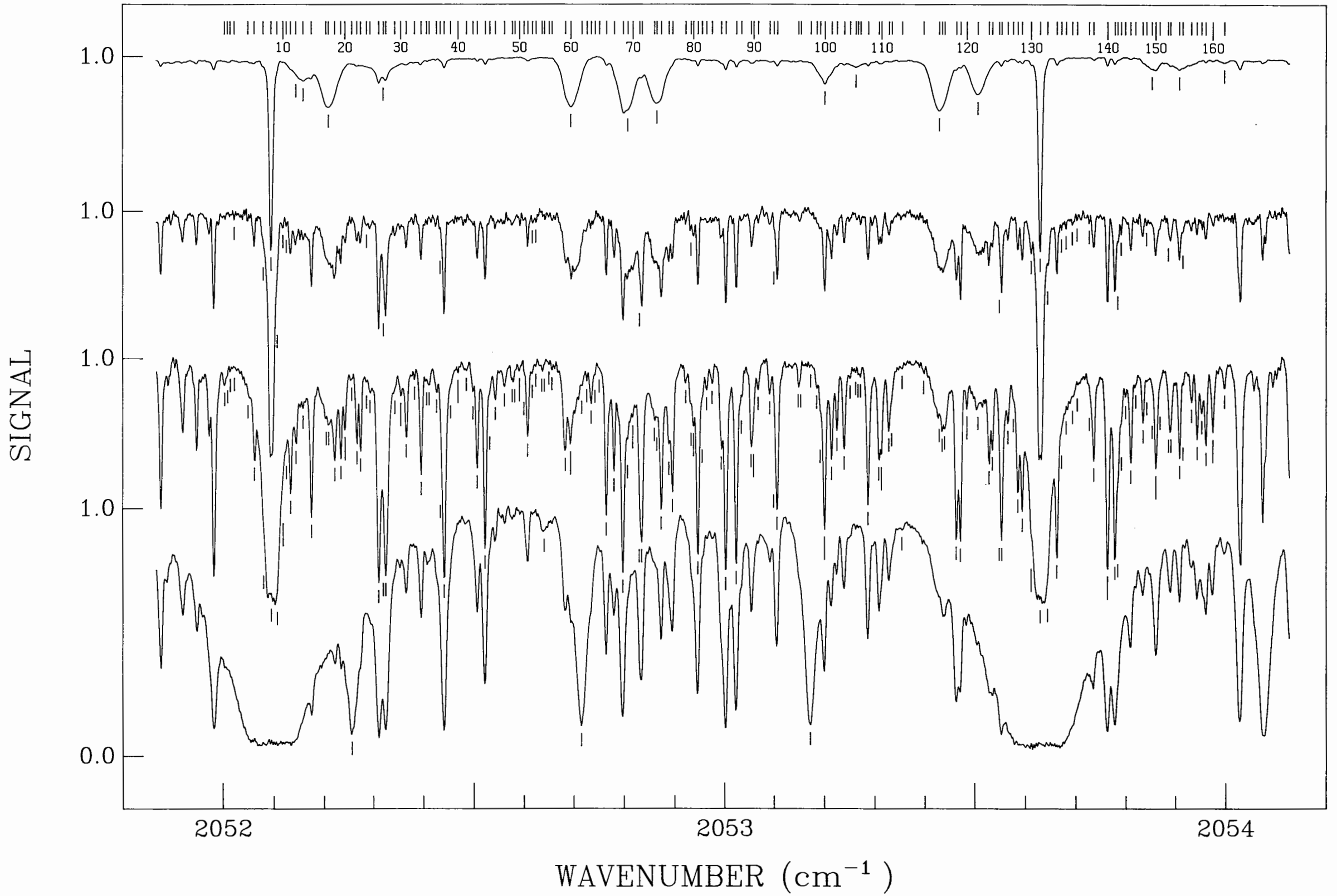
4 JUNE 1990

32.5KM 68.50°

37.08KM 90.64°

37.05KM 92.27°

36.76KM 94.49°



2052-2054 cm⁻¹

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
1	2052.0042	CO ₂	30	2052.3549	¹⁶ O ¹⁶ O ¹⁸ O + CO ₂ + ¹⁶ O ₃ ?
2	2052.0101	¹⁶ O ¹⁶ O ¹⁸ O?	31	2052.3659	¹⁶ O ₃
3	2052.0153	¹⁶ O ₃ ?	32	2052.3822	CO ₂
4	2052.0235	CO ₂ ?	33	2052.3954	¹⁶ O ₃
5	2052.0504	CO ₂	34	2052.4072	¹⁶ O ¹⁶ O ¹⁸ O
6	2052.0628	¹⁶ O ₃	35	2052.4102	¹⁶ O ¹⁸ O ¹⁶ O
7	2052.0807	CO ₂ + ¹⁶ O ₃	36	2052.4259	¹⁶ O ¹⁸ O ¹⁶ O
8	2052.0960	CO ₂	37	2052.4334	¹⁶ O ₃ , CO ₂ ?
9	2052.1075	¹⁶ O ₃	38	2052.4413	¹⁶ O ₃
10	2052.1190	?	39	2052.4539	¹⁶ O ¹⁶ O ¹⁸ O?, ¹⁶ O ₃ ?
11	2052.1256	CO ₂ ?	40	2052.4688	?
12	2052.1339	¹⁶ O ₃	41	2052.4854	¹⁶ O ₃ ?
13	2052.1444	¹⁶ O ₃ , solar CO?	42	2052.4982	¹⁶ O ₃
14	2052.1588	CO ₂ + solar CO	43	2052.5065	¹⁶ O ₃
15	2052.1756	¹⁶ O ₃	44	2052.5225	¹⁶ O ₃
16	2052.2047	¹⁶ O ¹⁸ O ¹⁶ O?	45	2052.5315	¹⁶ O ₃
17	2052.2093	solar CO	46	2052.5425	¹⁶ O ₃
18	2052.2220	¹⁶ O ₃ , CO ₂	47	2052.5606	¹⁶ O ₃
19	2052.2342	¹⁶ O ₃	48	2052.5765	¹⁶ O ₃
20	2052.2425	¹⁶ O ₃	49	2052.5808	¹⁶ O ₃
21	2052.2564	OCS, CO ₂	50	2052.5903	¹⁶ O ₃
22	2052.2668	¹⁶ O ₃	51	2052.5993	CO ₂ ?
23	2052.2744	¹⁶ O ₃	52	2052.6066	¹⁶ O ₃
24	2052.2865	CO ₂ ?	53	2052.6160	?
25	2052.2935	CO ₂	54	2052.6230	¹⁶ O ₃ ?
26	2052.3110	¹⁶ O ₃ , CO ₂	55	2052.6365	¹⁶ O ₃
27	2052.3203	¹⁶ O ₃ + solar CaI	56	2052.6383	?
28	2052.3246	¹⁶ O ₃	57	2052.6494	CO ₂ ?
29	2052.3430	¹⁶ O ₃	58	2052.6553	¹⁶ O ₃

2052-2054 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
59	2052.6822	¹⁶ O ₃	88	2053.0335	CO ₂
60	2052.6929	¹⁶ O ₃ , solar CO	89	2053.0538	¹⁶ O ₃
61	2052.7151	OCS	90	2053.0573	CO ₂ , ¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O?, ¹⁶ O ¹⁸ O ¹⁶ O?
62	2052.7255	¹⁶ O ₃	91	2053.0673	¹⁶ O ₃
63	2052.7339	¹⁶ O ₃	92	2053.0902	CO ₂ , ¹⁶ O ₃
64	2052.7417	¹⁶ O ¹⁶ O ¹⁸ O?, CO ₂ ?	93	2053.0985	¹⁶ O ₃
65	2052.7504	¹⁶ O ¹⁶ O ¹⁸ O?	94	2053.1054	¹⁶ O ₃
66	2052.7643	¹⁶ O ₃	95	2053.1483	¹⁶ O ₃
67	2052.7797	¹⁶ O ₃	96	2053.1519	¹⁶ O ₃
68	2052.7974	¹⁶ O ₃	97	2053.1722	OCS
69	2052.8065	solar CO	98	2053.1839	¹⁶ O ₃
70	2052.8169	¹⁶ O ₃	99	2053.1908	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O
71	2052.8305	¹⁶ O ₃	100	2053.1998	¹⁶ O ₃ , solar CO
72	2052.8351	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?	101	2053.2137	¹⁶ O ₃
73	2052.8609	¹⁶ O ₃	102	2053.2244	¹⁶ O ₃
74	2052.8631	solar CO	103	2053.2386	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O
75	2052.8734	¹⁶ O ₃	104	2053.2504	¹⁶ O ¹⁶ O ¹⁸
76	2052.8882	¹⁶ O ₃	105	2053.2617	solar CO
77	2052.8953	¹⁶ O ₃	106	2053.2664	?
78	2052.9217	¹⁶ O ₃ + CO ₂	107	2053.2705	?
79	2052.9323	¹⁶ O ₃	108	2053.2860	¹⁶ O ₃
80	2052.9371	¹⁶ O ₃	109	2053.3077	¹⁶ O ₃
81	2052.9460	¹⁶ O ₃	110	2053.3119	¹⁶ O ₃
82	2052.9543	¹⁶ O ₃	111	2053.3271	¹⁶ O ₃
83	2052.9632	¹⁶ O ₃	112	2053.3327	¹⁶ O ¹⁸ O ¹⁶ O
84	2052.9740	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O	113	2053.3532	CO ₂ ?
85	2052.9927	¹⁶ O ₃ , H ₂ O	114	2053.3963	CO ₂ ?
86	2053.0018	¹⁶ O ₃	115	2053.4278	solar CO
87	2053.0232	¹⁶ O ₃			

2052-2054 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
116	2053.4341	¹⁶ O ¹⁸ O ¹⁶ O	145	2053.8098	¹⁶ O ₃ , CO ₂
117	2053.4388	¹⁶ O ¹⁸ O ¹⁶ O	146	2053.8196	¹⁶ O ₃
118	2053.4627	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?	147	2053.8345	¹⁶ O ₃
119	2053.4710	¹⁶ O ₃	148	2053.8419	¹⁶ O ₃ ?
120	2053.4837	¹⁶ O ₃	149	2053.8527	solar CO, ¹⁶ O ₃ ?
121	2053.5056	solar CO	150	2053.8601	¹⁶ O ₃ , CO
122	2053.5277	¹⁶ O ₃	151	2053.8685	?
123	2053.5343	¹⁶ O ₃	152	2053.8860	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O
124	2053.5482	¹⁶ O ₃ ?	153	2053.8900	¹⁶ O ₃
125	2053.5524	¹⁶ O ₃	154	2053.9081	¹⁶ O ₃ + solar SiI
126	2053.5650	CO ₂ , ¹⁶ O ₃	155	2053.9148	?
127	2053.5757	?	156	2053.9318	¹⁶ O ¹⁸ O ¹⁶ O
128	2053.5849	¹⁶ O ₃	157	2053.9430	¹⁶ O ₃
129	2053.5934	¹⁶ O ₃	158	2053.9522	¹⁶ O ₃ , CO ₂
130	2053.6111	¹⁶ O ₃	159	2053.9603	¹⁶ O ₃ , CO ₂
131	2053.6288	CO ₂ , OCS, ¹⁶ O ₃	160	2053.9745	¹⁶ O ₃ + CO ₂
132	2053.6434	¹⁶ O ₃	161	2053.9979	CO ₂ , ¹⁶ O ₃ + solar CO?
133	2053.6620	¹⁶ O ₃			
134	2053.6713	?			
135	2053.6806	¹⁶ O ¹⁶ O ¹⁸ O?			
136	2053.6930	¹⁶ O ¹⁶ O ¹⁸ O?			
137	2053.7025	?			
138	2053.7262	¹⁶ O ¹⁸ O ¹⁶ O			
139	2053.7350	¹⁶ O ₃			
140	2053.7628	¹⁶ O ₃			
141	2053.7777	¹⁶ O ₃ , CO ₂			
142	2053.7834	¹⁶ O ₃			
143	2053.7905	¹⁶ O ₃			
144	2053.7989	¹⁶ O ¹⁸ O ¹⁶ O			