

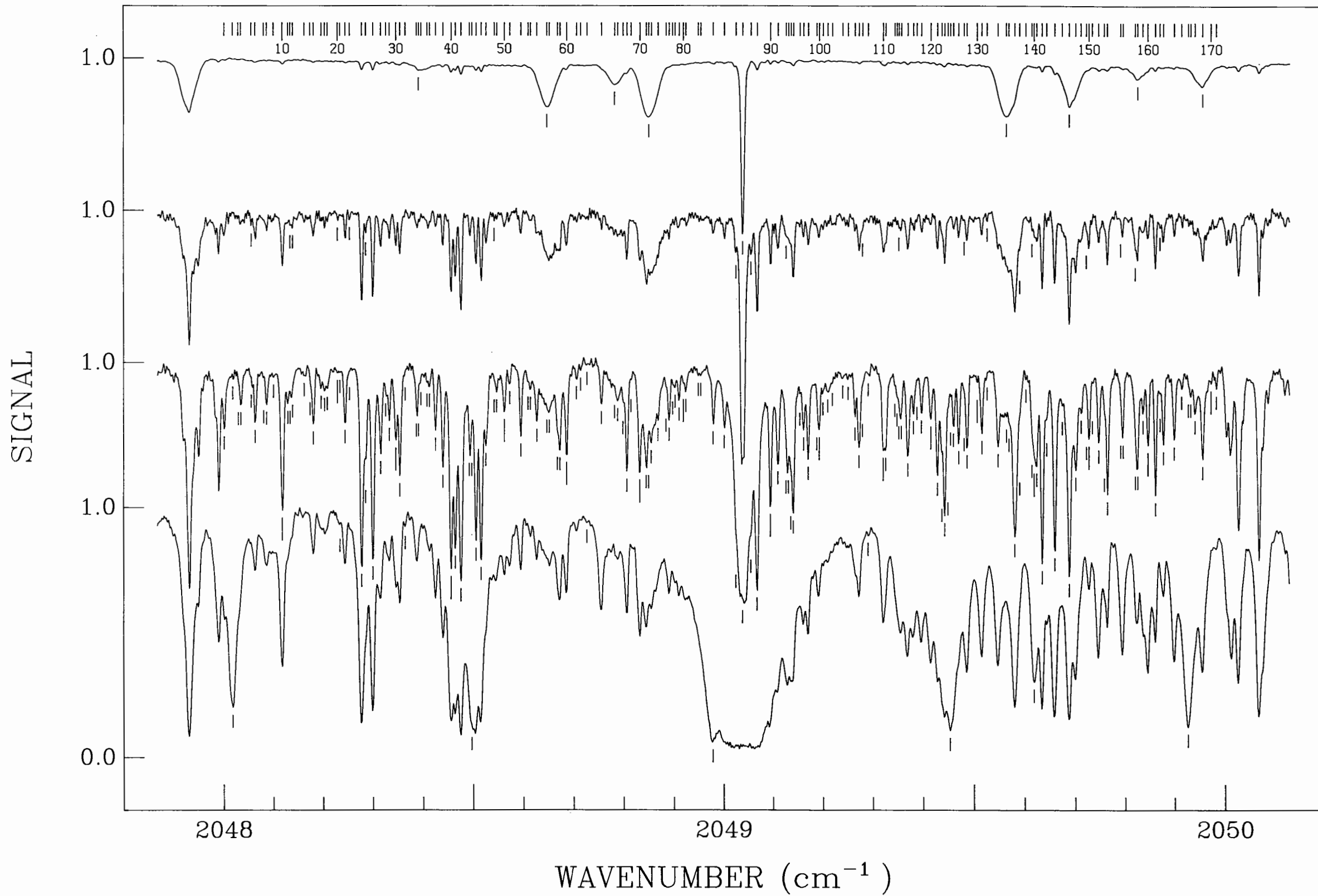
4 JUNE 1990

32.5KM 68.50°

37.08KM 90.64°

37.05KM 92.27°

36.76KM 94.49°



2048-2050 cm⁻¹

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
1	2048.0011	¹⁶ O ₃	30	2048.3453	¹⁶ O ₃
2	2048.0180	OCS	31	2048.3532	¹⁶ O ₃
3	2048.0294	¹⁶ O ¹⁶ O ¹⁸ O?	32	2048.3638	?
4	2048.0339	¹⁶ O ¹⁸ O ¹⁶ O	33	2048.3873	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O
5	2048.0552	¹⁶ O ¹⁶ O ¹⁸ O?, ¹⁶ O ₃ ? + ?	34	2048.3900	solar CO
6	2048.0631	¹⁶ O ₃	35	2048.3940	¹⁶ O ₃ ?
7	2048.0800	CO ₂ ?	36	2048.4073	¹⁶ O ₃ ?
8	2048.0863	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O	37	2048.4118	¹⁶ O ¹⁸ O ¹⁶ O
9	2048.1000	¹⁶ O ¹⁶ O ¹⁸ O?	38	2048.4240	¹⁶ O ₃
10	2048.1178	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O	39	2048.4388	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O? + CO ₂ ?
11	2048.1287	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?	40	2048.4552	¹⁶ O ₃
12	2048.1340	¹⁶ O ₃	41	2048.4636	¹⁶ O ₃
13	2048.1377	¹⁶ O ₃	42	2048.4750	¹⁶ O ₃
14	2048.1617	¹⁶ O ₃	43	2048.4933	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O?
15	2048.1733	¹⁶ O ₃	44	2048.4950	OCS, ¹⁶ O ¹⁸ O ¹⁶ O
16	2048.1803	¹⁶ O ₃	45	2048.5051	¹⁶ O ₃
17	2048.1959	¹⁶ O ₃	46	2048.5153	¹⁶ O ₃
18	2048.2026	¹⁶ O ₃	47	2048.5247	¹⁶ O ₃
19	2048.2081	¹⁶ O ¹⁸ O ¹⁶ O	48	2048.5417	¹⁶ O ₃
20	2048.2294	¹⁶ O ₃ ?	49	2048.5457	¹⁶ O ₃
21	2048.2323	¹⁶ O ¹⁸ O ¹⁶ O?	50	2048.5615	¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ₃
22	2048.2438	¹⁶ O ₃	51	2048.5724	CO ₂
23	2048.2527	?	52	2048.5941	¹⁶ O ₃
24	2048.2771	¹⁶ O ₃	53	2048.6086	¹⁶ O ₃
25	2048.2850	¹⁶ O ₃	54	2048.6131	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O
26	2048.2995	¹⁶ O ₃	55	2048.6259	¹⁶ O ₃
27	2048.3150	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O	56	2048.6463	solar CO
28	2048.3250	¹⁶ O ₃	57	2048.6505	¹⁶ O ¹⁸ O ¹⁶ O? + H ₂ O? + CO ₂ ?
29	2048.3323	¹⁶ O ₃			+ ¹⁶ O ¹⁶ O ¹⁸ O?

2048-2050 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
58	2048.6677	¹⁶ O ₃	86	2049.0239	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O
59	2048.6719	¹⁶ O ₃	87	2049.0374	CO ₂ + ¹⁶ O ₃
60	2048.6853	¹⁶ O ₃	88	2049.0540	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O
61	2048.7049	¹⁶ O ¹⁸ O ¹⁶ O	89	2049.0666	¹⁶ O ₃
62	2048.7130	¹⁶ O ₃ ?	90	2049.0934	¹⁶ O ₃
63	2048.7257	¹⁶ O ₃ ?	91	2049.1084	¹⁶ O ₃
64	2048.7549	CO ₂	92	2049.1262	CO ₂ ? + ¹⁶ O ¹⁸ O ¹⁶ O?
65	2048.7811	solar CO	93	2049.1280	¹⁶ O ₃
66	2048.7873	¹⁶ O ¹⁸ O ¹⁶ O	94	2049.1345	¹⁶ O ₃
67	2048.7979	¹⁶ O ₃	95	2049.1392	¹⁶ O ₃
68	2048.8056	¹⁶ O ₃	96	2049.1519	CO ₂ ?
69	2048.8137	?	97	2049.1593	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O
70	2048.8317	¹⁶ O ₃	98	2049.1687	¹⁶ O ₃
71	2048.8454	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O? + ¹⁶ O ¹⁶ O ¹⁸ O?	99	2049.1865	¹⁶ O ₃ ?
72	2048.8486	solar CO	100	2049.1904	¹⁶ O ₃
73	2048.8546	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ¹⁶ O ¹⁸ O?	101	2049.1983	¹⁶ O ₃
74	2048.8680	¹⁶ O ₃ ?	102	2049.2082	¹⁶ O ₃
75	2048.8837	?	103	2049.2174	¹⁶ O ₃ ?
76	2048.8897	¹⁶ O ₃	104	2049.2380	¹⁶ O ¹⁶ O ¹⁸ O?
77	2048.8972	¹⁶ O ₃	105	2049.2488	CO ₂
78	2048.9011	¹⁶ O ₃	106	2049.2626	¹⁶ O ₃
79	2048.9098	¹⁶ O ¹⁸ O ¹⁶ O	107	2049.2706	¹⁶ O ₃
80	2048.9188	¹⁶ O ¹⁸ O ¹⁶ O	108	2049.2777	¹⁶ O ₃ ?
81	2048.9227	¹⁶ O ₃	109	2049.2889	¹⁶ O ₃
82	2048.9483	¹⁶ O ¹⁶ O ¹⁸ O?	110	2049.3195	¹⁶ O ₃ + CO ₂
83	2048.9532	¹⁶ O ¹⁸ O ¹⁶ O?	111	2049.3235	¹⁶ O ₃
84	2048.9776	¹⁶ O ₃ , OCS	112	2049.3420	CO ₂ ?
85	2049.0001	¹⁶ O ₃	113	2049.3470	CO ₂
			114	2049.3510	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O

2048-2050 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
115	2049.3535	CO ₂	143	2049.6429	¹⁶ O ₃
116	2049.3677	¹⁶ O ₃ + CO ₂ + ¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ¹⁶ O ¹⁸ O?	144	2049.6588	¹⁶ O ₃ , CO ₂
117	2049.3788	CO ₂	145	2049.6732	¹⁶ O ₃ ?
118	2049.3859	¹⁶ O ₃ ?	146	2049.6870	¹⁶ O ₃ + solar CO
119	2049.3949	CO ₂	147	2049.7001	CO ₂
120	2049.4138	CO ₂	148	2049.7105	¹⁶ O ₃
121	2049.4268	¹⁶ O ₃	149	2049.7214	H ₂ O?
122	2049.4355	CO ₂	150	2049.7262	¹⁶ O ₃
123	2049.4410	¹⁶ O ₃	151	2049.7331	¹⁶ O ₃ ?
124	2049.4477	¹⁶ O ₃	152	2049.7458	CO ₂ + ¹⁶ O ₃ ?
125	2049.4524	OCS	153	2049.7572	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?
126	2049.4585	CO ₂	154	2049.7633	¹⁶ O ₃
127	2049.4687	¹⁶ O ₃	155	2049.7912	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?
128	2049.4795	¹⁶ O ₃	156	2049.7936	CO ₂
129	2049.4852	CO ₂ + ¹⁶ O ₃	157	2049.8198	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?
130	2049.5054	?	158	2049.8232	¹⁶ O ₃ + solar CO
131	2049.5145	CO ₂	159	2049.8344	CO
132	2049.5249	?	160	2049.8445	CO ₂ , ¹⁶ O ₃
133	2049.5465	CO ₂	161	2049.8599	¹⁶ O ₃
134	2049.5631	solar CO	162	2049.8692	¹⁶ O ₃ + CO ₂ ?
135	2049.5675	¹⁶ O ¹⁸ O ¹⁶ O?	163	2049.8762	¹⁶ O ₃
136	2049.5795	¹⁶ O ₃ + CO ₂	164	2049.8978	CO ₂ + ¹⁶ O ₃
137	2049.5892	¹⁶ O ₃	165	2049.9124	¹⁶ O ₃
138	2049.6016	¹⁶ O ₃ ?	166	2049.9258	OCS
139	2049.6138	¹⁶ O ₃	167	2049.9305	¹⁶ O ₃
140	2049.6188	CO ₂	168	2049.9389	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O? + ¹⁶ O ¹⁸ O ¹⁶ O?
141	2049.6227	¹⁶ O ₃	169	2049.9540	CO ₂ + ¹⁶ O ₃ + solar CO
142	2049.6340	¹⁶ O ₃	170	2049.9710	?

2048-2050 cm^{-1} (continued)

Seq. No.	ν (observed) (cm^{-1})	Identification
171	2049.9815	$^{16}\text{O}_3$