

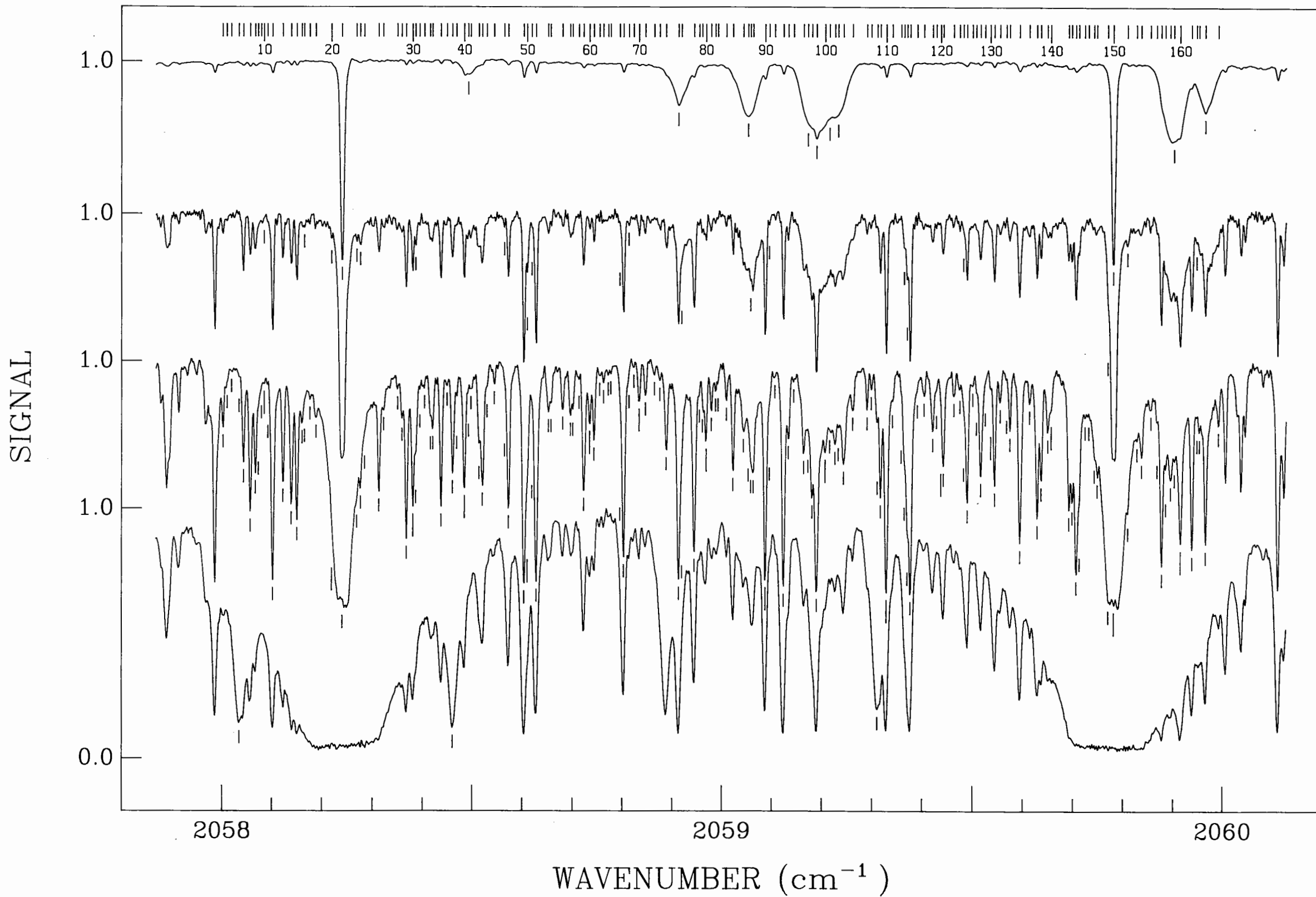
4 JUNE 1990

32.5KM 68.50°

37.08KM 90.64°

37.05KM 92.27°

36.76KM 94.49°



2058-2060 cm⁻¹

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
1	2058.0026	¹⁶ O ₃	30	2058.3811	¹⁶ O ₃
2	2058.0107	CO	31	2058.3868	¹⁶ O ₃
3	2058.0197	CO ₂ ?	32	2058.3949	¹⁶ O ₃ ?
4	2058.0349	OCS	33	2058.4046	¹⁶ O ₃
5	2058.0436	CO ₂	34	2058.4166	¹⁶ O ₃
6	2058.0574	¹⁶ O ₃	35	2058.4208	¹⁶ O ₃
7	2058.0677	¹⁶ O ₃	36	2058.4380	¹⁶ O ₃
8	2058.0737	¹⁶ O ₃	37	2058.4504	¹⁶ O ₃
9	2058.0800	CO ₂ ? + ¹⁶ O ₃ ?	38	2058.4611	¹⁶ O ₃ , OCS
10	2058.0854	¹⁶ O ¹⁸ O ¹⁶ O?	39	2058.4693	¹⁶ O ¹⁶ O ¹⁸ O + ¹⁶ O ₃ ?
11	2058.0926	?	40	2058.4847	¹⁶ O ₃
12	2058.1023	¹⁶ O ₃	41	2058.4930	solar CO
13	2058.1228	¹⁶ O ₃	42	2058.4976	¹⁶ O ₃
14	2058.1393	¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O	43	2058.5139	¹⁶ O ₃
15	2058.1505	¹⁶ O ₃	44	2058.5207	¹⁶ O ₃
16	2058.1612	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃	45	2058.5301	¹⁶ O ¹⁶ O ¹⁸ O
17	2058.1650	¹⁶ O ₃	46	2058.5448	¹⁶ O ¹⁶ O ¹⁸ O
18	2058.1766	¹⁶ O ¹⁸ O ¹⁶ O	47	2058.5650	¹⁶ O ₃
19	2058.1886	¹⁶ O ₃	48	2058.5730	¹⁶ O ₃
20	2058.2195	¹⁶ O ₃	49	2058.6034	¹⁶ O ₃
21	2058.2403	CO ₂ + ¹⁶ O ₃	50	2058.6102	CO ₂ + ¹⁶ O ¹⁶ O ¹⁸ O
22	2058.2693	¹⁶ O ¹⁶ O ¹⁸ O	51	2058.6194	¹⁶ O ¹⁸ O ¹⁶ O?
23	2058.2765	¹⁶ O ₃	52	2058.6279	¹⁶ O ₃
24	2058.2846	¹⁶ O ₃ ?	53	2058.6522	¹⁶ O ₃
25	2058.3130	¹⁶ O ₃	54	2058.6572	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O
26	2058.3222	¹⁶ O ₃ + CO ₂	55	2058.6804	¹⁶ O ¹⁸ O ¹⁶ O
27	2058.3503	¹⁶ O ₃	56	2058.6959	¹⁶ O ₃
28	2058.3588	¹⁶ O ¹⁸ O ¹⁶ O	57	2058.7005	¹⁶ O ₃
29	2058.3678	¹⁶ O ₃	58	2058.7131	¹⁶ O ₃

2058-2060 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
59	2058.7225	¹⁶ O ₃	88	2059.0581	¹⁶ O ¹⁸ O ¹⁶ O
60	2058.7345	¹⁶ O ¹⁸ O ¹⁶ O	89	2059.0626	¹⁶ O ₃
61	2058.7432	¹⁶ O ₃	90	2059.0869	¹⁶ O ₃
62	2058.7547	¹⁶ O ₃	91	2059.0952	¹⁶ O ¹⁶ O ¹⁸ O?
63	2058.7625	¹⁶ O ₃	92	2059.1063	¹⁶ O ₃ ?
64	2058.7720	¹⁶ O ₃	93	2059.1235	¹⁶ O ₃
65	2058.7771	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃	94	2059.1333	¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ₃ ?
66	2058.7953	¹⁶ O ¹⁸ O ¹⁶ O? + ¹⁶ O ₃ ?	95	2059.1440	?
67	2058.8026	¹⁶ O ₃	96	2059.1638	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O
68	2058.8135	¹⁶ O ¹⁶ O ¹⁸ O?	97	2059.1725	solar CO
69	2058.8233	CO ₂ + ¹⁶ O ₃ ?	98	2059.1806	¹⁶ O ₃
70	2058.8342	¹⁶ O ₃	99	2059.1896	¹⁶ O ₃ + solar CO
71	2058.8468	¹⁶ O ₃	100	2059.2068	¹⁶ O ₃
72	2058.8647	¹⁶ O ¹⁸ O ¹⁶ O	101	2059.2158	solar CO + ¹⁶ O ₃ ?
73	2058.8754	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃	102	2059.2266	¹⁶ O ₃
74	2058.8878	¹⁶ O ₃ , OCS	103	2059.2328	solar CO
75	2058.9131	¹⁶ O ₃ + solar CO	104	2059.2431	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O
76	2058.9193	¹⁶ O ₃	105	2059.2612	¹⁶ O ¹⁸ O ¹⁶ O + ¹⁶ O ₃
77	2058.9444	¹⁶ O ₃	106	2059.2899	¹⁶ O ₃
78	2058.9547	¹⁶ O ₃ ?	107	2059.2984	¹⁶ O ₃
79	2058.9606	¹⁶ O ₃	108	2059.3104	¹⁶ O ¹⁸ O ¹⁶ O, OCS
80	2058.9685	¹⁶ O ₃	109	2059.3169	¹⁶ O ₃
81	2058.9787	¹⁶ O ₃	110	2059.3285	¹⁶ O ₃
82	2058.9878	¹⁶ O ¹⁶ O ¹⁸ O	111	2059.3405	¹⁶ O ₃
83	2058.9917	CO ₂ + ¹⁶ O ¹⁶ O ¹⁸ O	112	2059.3577	¹⁶ O ₃ ?
84	2059.0089	¹⁶ O ¹⁸ O ¹⁶ O	113	2059.3641	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O?
85	2059.0224	¹⁶ O ₃	114	2059.3699	¹⁶ O ₃
86	2059.0431	¹⁶ O ¹⁶ O ¹⁸ O + ¹⁶ O ₃	115	2059.3761	¹⁶ O ₃
87	2059.0529	solar CO	116	2059.3901	CO ₂ ?

2058-2060 cm⁻¹ (continued)

Seq. No.	ν (observed) (cm ⁻¹)	Identification	Seq. No.	ν (observed) (cm ⁻¹)	Identification
117	2059.4038	¹⁶ O ₃	146	2059.7318	OCS
118	2059.4211	¹⁶ O ¹⁸ O ¹⁶ O	147	2059.7424	CO ₂ + ¹⁶ O ¹⁶ O ¹⁸ O
119	2059.4285	¹⁶ O ₃	148	2059.7484	¹⁶ O ₃
120	2059.4376	¹⁶ O ₃ ?	149	2059.7705	¹⁶ O ₃
121	2059.4420	¹⁶ O ₃	150	2059.7816	CO ₂
122	2059.4631	¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ¹⁶ O ¹⁸ O	151	2059.8099	¹⁶ O ₃
123	2059.4750	¹⁶ O ¹⁶ O ¹⁸ O	152	2059.8277	¹⁶ O ¹⁶ O ¹⁸ O + CO ₂ ?
124	2059.4824	¹⁶ O ¹⁶ O ¹⁸ O	153	2059.8367	¹⁶ O ₃
125	2059.4897	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O	154	2059.8555	¹⁶ O ₃
126	2059.5009	¹⁶ O ₃	155	2059.8678	¹⁶ O ¹⁶ O ¹⁸ O
127	2059.5079	¹⁶ O ₃	156	2059.8771	¹⁶ O ₃
128	2059.5164	¹⁶ O ₃	157	2059.8853	¹⁶ O ¹⁸ O ¹⁶ O
129	2059.5257	¹⁶ O ₃ ?	158	2059.8951	¹⁶ O ¹⁸ O ¹⁶ O
130	2059.5364	¹⁶ O ₃	159	2059.9028	solar CO
131	2059.5441	CO ₂	160	2059.9147	CO + ¹⁶ O ₃
132	2059.5553	¹⁶ O ₃ , CO ₂	161	2059.9379	¹⁶ O ₃
133	2059.5679	?	162	2059.9483	¹⁶ O ₃ + ¹⁶ O ¹⁸ O ¹⁶ O? + ¹⁶ O ¹⁶ O ¹⁸ O?
134	2059.5746	¹⁶ O ₃	163	2059.9532	¹⁶ O ₃
135	2059.5943	¹⁶ O ₃	164	2059.9659	¹⁶ O ₃ + solar CO
136	2059.6140	¹⁶ O ₃	165	2059.9923	¹⁶ O ¹⁸ O ¹⁶ O
137	2059.6292	¹⁶ O ₃			
138	2059.6370	¹⁶ O ₃			
139	2059.6504	¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ₃			
140	2059.6571	¹⁶ O ₃			
141	2059.6924	¹⁶ O ₃ , ¹⁶ O ¹⁶ O ¹⁸ O			
142	2059.6985	¹⁶ O ₃			
143	2059.7066	¹⁶ O ₃ + ¹⁶ O ¹⁶ O ¹⁸ O?			
144	2059.7128	¹⁶ O ₃			
145	2059.7242	¹⁶ O ₃ ?			