

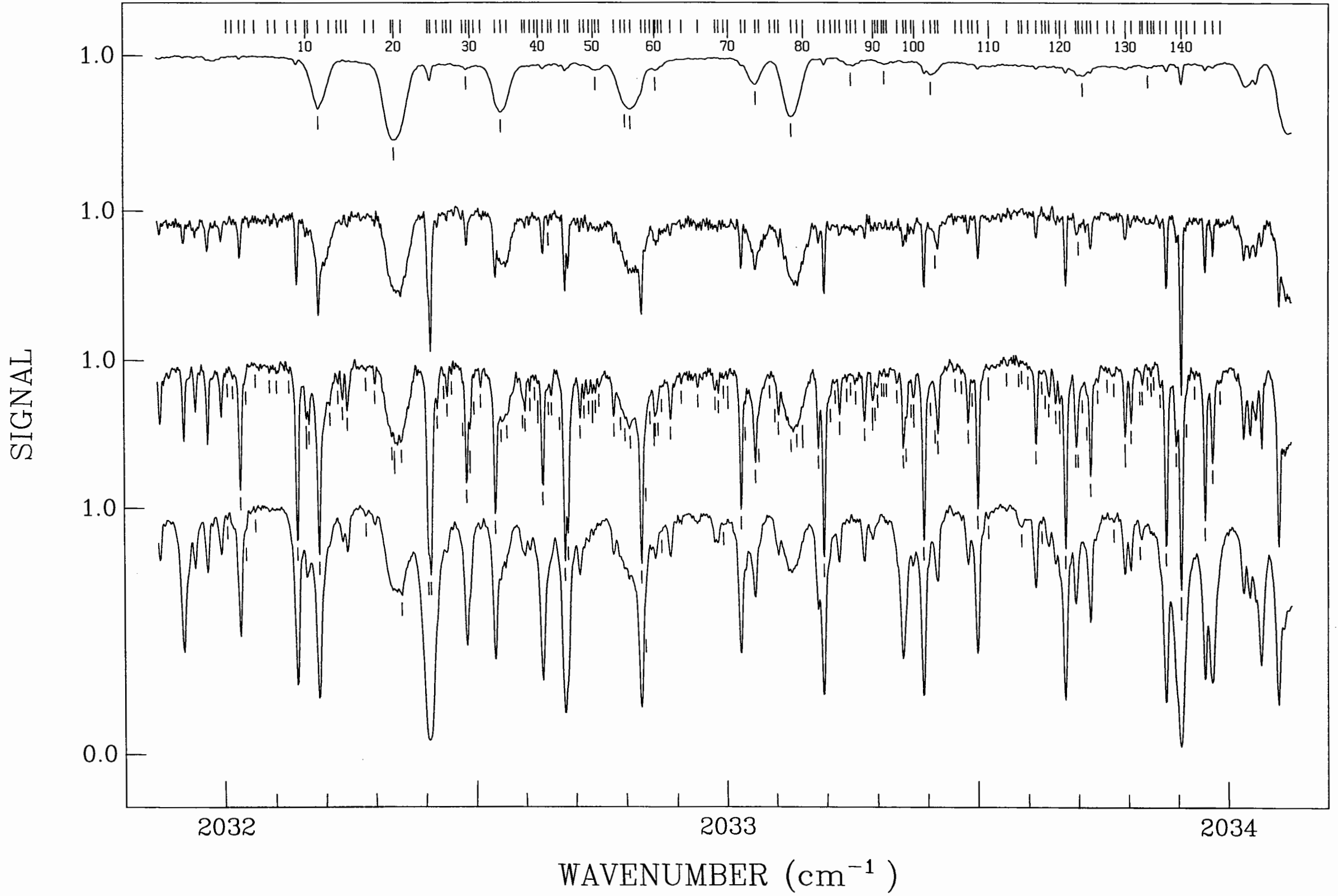
4 JUNE 1990

32.5KM 68.50°

37.08KM 90.64°

37.05KM 92.27°

36.76KM 94.49°



2032-2034 cm⁻¹

| Seq. No. | ν (observed) (cm ⁻¹) | Identification | Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|--------------------------------------|---|----------|--------------------------------------|--|
| 1 | 2032.0065 | ¹⁶ O ₃ ? | 31 | 2032.4964 | ? |
| 2 | 2032.0172 | ¹⁶ O ¹⁸ O ¹⁶ O | 32 | 2032.5098 | ¹⁶ O ₃ |
| 3 | 2032.0317 | ¹⁶ O ₃ | 33 | 2032.5388 | ¹⁶ O ₃ |
| 4 | 2032.0429 | ? | 34 | 2032.5500 | solar CO |
| 5 | 2032.0616 | ? | 35 | 2032.5617 | ¹⁶ O ₃ ? |
| 6 | 2032.0898 | ¹⁶ O ₃ | 36 | 2032.5930 | ¹⁶ O ₃ |
| 7 | 2032.1038 | ¹⁶ O ₃ ? | 37 | 2032.5982 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 8 | 2032.1280 | ¹⁶ O ₃ ? | 38 | 2032.6077 | CO ₂ |
| 9 | 2032.1440 | ¹⁶ O ₃ | 39 | 2032.6174 | ¹⁶ O ₃ ? |
| 10 | 2032.1624 | ¹⁶ O ₃ | 40 | 2032.6237 | ¹⁶ O ₃ ? |
| 11 | 2032.1677 | ¹⁶ O ₃ | 41 | 2032.6339 | CO ₂ , ¹⁶ O ₃ |
| 12 | 2032.1880 | ¹⁶ O ₃ , solar CO | 42 | 2032.6451 | ¹⁶ O ₃ |
| 13 | 2032.2097 | ¹⁶ O ₃ | 43 | 2032.6508 | ¹⁶ O ₃ |
| 14 | 2032.2258 | ¹⁶ O ₃ | 44 | 2032.6672 | ¹⁶ O ₃ ? |
| 15 | 2032.2348 | ¹⁶ O ¹⁸ O ¹⁶ O | 45 | 2032.6783 | ¹⁶ O ₃ |
| 16 | 2032.2446 | ¹⁶ O ₃ | 46 | 2032.6844 | ¹⁶ O ₃ |
| 17 | 2032.2815 | ¹⁶ O ₃ ? | 47 | 2032.7084 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 18 | 2032.2996 | ¹⁶ O ¹⁸ O ¹⁶ O | 48 | 2032.7162 | ¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O |
| 19 | 2032.3329 | ¹⁶ O ₃ | 49 | 2032.7256 | ¹⁶ O ₃ |
| 20 | 2032.3381 | solar CO | 50 | 2032.7329 | ¹⁶ O ₃ |
| 21 | 2032.3517 | CO | 51 | 2032.7389 | ¹⁶ O ₃ + solar CO |
| 22 | 2032.4053 | CO ₂ , ¹⁶ O ₃ | 52 | 2032.7462 | ? |
| 23 | 2032.4101 | CO ₂ + ¹⁶ O ₃ | 53 | 2032.7755 | ¹⁶ O ₃ |
| 24 | 2032.4237 | ¹⁶ O ₃ | 54 | 2032.7892 | ¹⁶ O ₃ ? |
| 25 | 2032.4361 | ¹⁶ O ₃ | 55 | 2032.7976 | solar CO + ¹⁶ O ₃ ? |
| 26 | 2032.4431 | ¹⁶ O ₃ | 56 | 2032.8083 | solar CO + ¹⁶ O ₃ |
| 27 | 2032.4525 | ? | 57 | 2032.8300 | ¹⁶ O ₃ |
| 28 | 2032.4735 | ¹⁶ O ₃ ? | 58 | 2032.8386 | ¹⁶ O ¹⁸ O ¹⁶ O? |
| 29 | 2032.4815 | ¹⁶ O ₃ + solar CO? | 59 | 2032.8469 | ¹⁶ O ₃ ? |
| 30 | 2032.4885 | ¹⁶ O ₃ + OCS? | 60 | 2032.8563 | ¹⁶ O ₃ |

2032-2034 cm⁻¹ (continued)

| Seq. No. | ν (observed) (cm ⁻¹) | Identification | Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|--------------------------------------|---|----------|--------------------------------------|---|
| 61 | 2032.8583 | solar CO | 91 | 2033.2958 | ¹⁶ O ₃ ? |
| 62 | 2032.8602 | ¹⁶ O ₃ | 92 | 2033.2990 | ¹⁶ O ₃ |
| 63 | 2032.8696 | ¹⁶ O ₃ ? | 93 | 2033.3082 | ¹⁶ O ₃ ? |
| 64 | 2032.8871 | ¹⁶ O ¹⁸ O ¹⁶ O, ¹⁶ O ₃ ? | 94 | 2033.3126 | solar CO? |
| 65 | 2032.9083 | ?, ¹⁶ O ₃ ? | 95 | 2033.3167 | ¹⁶ O ₃ ? |
| 66 | 2032.9415 | ¹⁶ O ₃ | 96 | 2033.3382 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 67 | 2032.9758 | ¹⁶ O ₃ | 97 | 2033.3507 | CO ₂ |
| 68 | 2032.9824 | CO ₂ | 98 | 2033.3563 | ¹⁶ O ₃ |
| 69 | 2032.9931 | ¹⁶ O ₃ ? | 99 | 2033.3666 | ¹⁶ O ₃ ? |
| 70 | 2033.0016 | ¹⁶ O ₃ ? | 100 | 2033.3711 | CO ₂ |
| 71 | 2033.0283 | ¹⁶ O ₃ | 101 | 2033.3917 | ¹⁶ O ₃ |
| 72 | 2033.0369 | ¹⁶ O ¹⁸ O ¹⁶ O, OCS? | 102 | 2033.4052 | solar CO |
| 73 | 2033.0573 | ¹⁶ O ₃ + solar CO | 103 | 2033.4138 | CO, ¹⁶ O ₃ |
| 74 | 2033.0645 | ¹⁶ O ₃ ? | 104 | 2033.4200 | ¹⁶ O ₃ |
| 75 | 2033.0865 | ¹⁶ O ₃ ? | 105 | 2033.4546 | ¹⁶ O ₃ ? |
| 76 | 2033.0969 | CO ₂ | 106 | 2033.4669 | ¹⁶ O ₃ ? |
| 77 | 2033.1039 | ¹⁶ O ₃ | 107 | 2033.4807 | ¹⁶ O ₃ |
| 78 | 2033.1289 | solar CO | 108 | 2033.4886 | ¹⁶ O ₃ |
| 79 | 2033.1408 | ¹⁶ O ₃ ? | 109 | 2033.4996 | ¹⁶ O ₃ |
| 80 | 2033.1520 | ¹⁶ O ₃ ? | 110 | 2033.5204 | ¹⁶ O ₃ ? |
| 81 | 2033.1832 | ¹⁶ O ₃ | 111 | 2033.5567 | ¹⁶ O ₃ ? |
| 82 | 2033.1945 | ¹⁶ O ₃ | 112 | 2033.5809 | ¹⁶ O ₃ |
| 83 | 2033.2067 | ¹⁶ O ₃ | 113 | 2033.5864 | OCS |
| 84 | 2033.2162 | ¹⁶ O ₃ | 114 | 2033.5989 | ¹⁶ O ₃ |
| 85 | 2033.2250 | ¹⁶ O ¹⁸ O ¹⁶ O | 115 | 2033.6148 | ¹⁶ O ₃ |
| 86 | 2033.2391 | ¹⁶ O ₃ | 116 | 2033.6263 | ? |
| 87 | 2033.2462 | solar CO | 117 | 2033.6330 | ¹⁶ O ₃ ? |
| 88 | 2033.2567 | ¹⁶ O ₃ | 118 | 2033.6402 | ¹⁶ O ₃ |
| 89 | 2033.2739 | ¹⁶ O ₃ | 119 | 2033.6537 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 90 | 2033.2902 | ¹⁶ O ¹⁸ O ¹⁶ O | 120 | 2033.6619 | ¹⁶ O ₃ |

2032-2034 cm⁻¹ (continued)

| Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|---|--|
| 121 | 2033.6739 | ¹⁶ O ₃ |
| 122 | 2033.6957 | ¹⁶ O ₃ |
| 123 | 2033.6985 | ¹⁶ O ₃ |
| 124 | 2033.7075 | solar CO |
| 125 | 2033.7164 | ¹⁶ O ₃ |
| 126 | 2033.7242 | ¹⁶ O ₃ |
| 127 | 2033.7382 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 128 | 2033.7580 | ¹⁶ O ₃ ? |
| 129 | 2033.7708 | ? |
| 130 | 2033.7937 | ¹⁶ O ₃ |
| 131 | 2033.8052 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 132 | 2033.8233 | CO ₂ ? |
| 133 | 2033.8276 | ¹⁶ O ₃ |
| 134 | 2033.8392 | solar CO? |
| 135 | 2033.8464 | ¹⁶ O ₃ |
| 136 | 2033.8515 | CO? |
| 137 | 2033.8645 | ¹⁶ O ₃ |
| 138 | 2033.8767 | ¹⁶ O ₃ , ¹⁶ O ¹⁸ O ¹⁶ O |
| 139 | 2033.8962 | ¹⁶ O ¹⁸ O ¹⁶ O |
| 140 | 2033.9061 | CO ₂ + ¹⁶ O ¹⁸ O ¹⁶ O |
| 141 | 2033.9172 | ¹⁶ O ₃ ? |
| 142 | 2033.9333 | ¹⁶ O ₃ |
| 143 | 2033.9546 | ¹⁶ O ₃ |
| 144 | 2033.9697 | CO ₂ |
| 145 | 2033.9843 | ? |