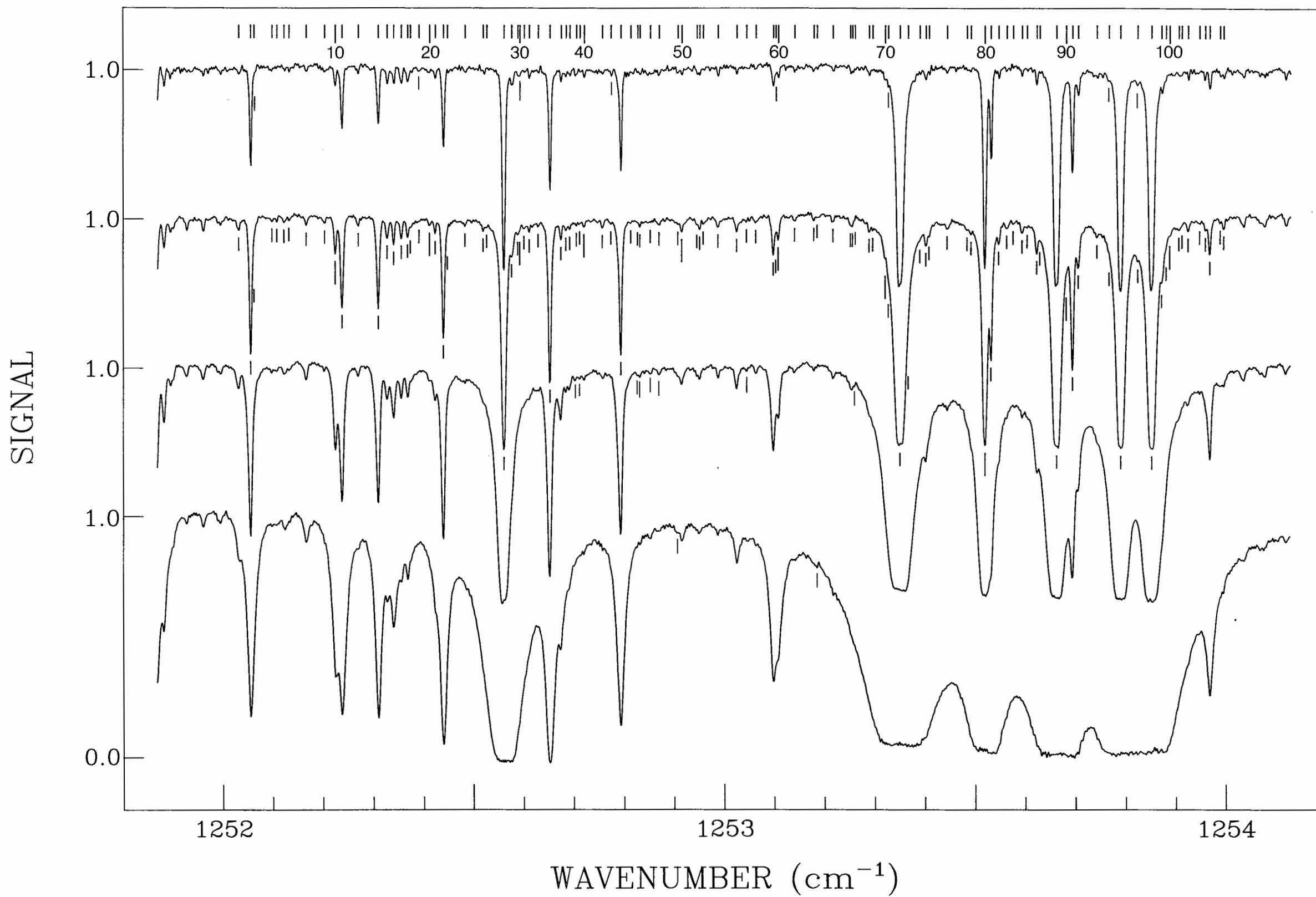


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36.9KM 92.6° 36.8KM 93.3° 36.6KM 94.1° 36.5KM 94.8°



1252-1254 cm<sup>-1</sup>

| Seq. No. | $\nu$ (observed)<br>(cm <sup>-1</sup> ) | Identification                     | Seq. No. | $\nu$ (observed)<br>(cm <sup>-1</sup> ) | Identification                       |
|----------|---|------------------------------------|----------|---|--------------------------------------|
| 1        | 1252.0322                               | CH <sub>4</sub> , COF <sub>2</sub> | 31       | 1252.6014                               | CO <sub>2</sub>                      |
| 2        | 1252.0562                               | CO <sub>2</sub>                    | 32       | 1252.6116                               | COF <sub>2</sub>                     |
| 3        | 1252.0630                               | COF <sub>2</sub>                   | 33       | 1252.6292                               | COF <sub>2</sub>                     |
| 4        | 1252.0993                               | COF <sub>2</sub>                   | 34       | 1252.6526                               | CH <sub>4</sub> , COF <sub>2</sub>   |
| 5        | 1252.1091                               | COF <sub>2</sub> , CH <sub>4</sub> | 35       | 1252.6749                               | N <sub>2</sub> O                     |
| 6        | 1252.1232                               | CH <sub>4</sub>                    | 36       | 1252.6849                               | COF <sub>2</sub>                     |
| 7        | 1252.1331                               | COF <sub>2</sub>                   | 37       | 1252.6924                               | CH <sub>4</sub>                      |
| 8        | 1252.1675                               | N <sub>2</sub> O, COF <sub>2</sub> | 38       | 1252.7057                               | COF <sub>2</sub> , CO <sub>2</sub>   |
| 9        | 1252.2043                               | COF <sub>2</sub>                   | 39       | 1252.7123                               | COF <sub>2</sub>                     |
| 10       | 1252.2254                               | N <sub>2</sub> O                   | 40       | 1252.7207                               | COF <sub>2</sub>                     |
| 11       | 1252.2386                               | CH <sub>4</sub> , COF <sub>2</sub> | 41       | 1252.7570                               | COF <sub>2</sub>                     |
| 12       | 1252.2713                               | COF <sub>2</sub>                   | 42       | 1252.7741                               | ?                                    |
| 13       | 1252.3106                               | CH <sub>4</sub> , COF <sub>2</sub> | 43       | 1252.7936                               | CO <sub>2</sub>                      |
| 14       | 1252.3279                               | H <sub>2</sub> O                   | 44       | 1252.8136                               | O <sub>3</sub> ?                     |
| 15       | 1252.3409                               | N <sub>2</sub> O, COF <sub>2</sub> | 45       | 1252.8271                               | ?                                    |
| 16       | 1252.3564                               | H <sub>2</sub> O                   | 46       | 1252.8318                               | COF <sub>2</sub>                     |
| 17       | 1252.3690                               | CH <sub>4</sub>                    | 47       | 1252.8523                               | CH <sub>4</sub>                      |
| 18       | 1252.3742                               | COF <sub>2</sub>                   | 48       | 1252.8701                               | COF <sub>2</sub>                     |
| 19       | 1252.3914                               | H <sub>2</sub> O <sub>2</sub> ?    | 49       | 1252.9079                               | COF <sub>2</sub>                     |
| 20       | 1252.4123                               | COF <sub>2</sub>                   | 50       | 1252.9154                               | COF <sub>2</sub> , N <sub>2</sub> O  |
| 21       | 1252.4236                               | N <sub>2</sub> O                   | 51       | 1252.9454                               | COF <sub>2</sub>                     |
| 22       | 1252.4401                               | CH <sub>4</sub>                    | 52       | 1252.9511                               | COF <sub>2</sub>                     |
| 23       | 1252.4484                               | COF <sub>2</sub>                   | 53       | 1252.9582                               | COF <sub>2</sub> ?                   |
| 24       | 1252.4837                               | COF <sub>2</sub>                   | 54       | 1252.9879                               | COF <sub>2</sub>                     |
| 25       | 1252.5202                               | COF <sub>2</sub>                   | 55       | 1253.0252                               | N <sub>2</sub> O, COF <sub>2</sub>   |
| 26       | 1252.5272                               | COF <sub>2</sub>                   | 56       | 1253.0449                               | CO <sub>2</sub> , COF <sub>2</sub> ? |
| 27       | 1252.5610                               | N <sub>2</sub> O                   | 57       | 1253.0635                               | COF <sub>2</sub>                     |
| 28       | 1252.5766                               | N <sub>2</sub> O, COF <sub>2</sub> | 58       | 1253.0981                               | N <sub>2</sub> O, COF <sub>2</sub>   |
| 29       | 1252.5888                               | H <sub>2</sub> O <sub>2</sub> ?    | 59       | 1253.1030                               | H <sub>2</sub> O <sub>2</sub> ?      |
| 30       | 1252.5924                               | COF <sub>2</sub>                   | 60       | 1253.1078                               | N <sub>2</sub> O                     |

1252-1254 cm<sup>-1</sup> (continued)

| Seq. No. | $\nu$ (observed)<br>(cm <sup>-1</sup> ) | Identification  | Seq. No. | $\nu$ (observed)<br>(cm <sup>-1</sup> ) | Identification                    |
|----------|---|---|----------|---|-----------------------------------|
| 61       | 1253.1402                               | COF <sub>2</sub>                                      | 91       | 1253.6929                               | CH <sub>4</sub>                   |
| 62       | 1253.1784                               | COF <sub>2</sub>                                      | 92       | 1253.7046                               | CH <sub>4</sub>                   |
| 63       | 1253.1851                               | ?   | 93       | 1253.7419                               | COF <sub>2</sub>                  |
| 64       | 1253.2167                               | COF <sub>2</sub> , CH <sub>4</sub>                    | 94       | 1253.7659                               | CH <sub>4</sub>                   |
| 65       | 1253.2515                               | ?   | 95       | 1253.7892                               | CH <sub>4</sub>                   |
| 66       | 1253.2544                               | COF <sub>2</sub>                                      | 96       | 1253.8235                               | COF <sub>2</sub>                  |
| 67       | 1253.2587                               | COF <sub>2</sub>                                      | 97       | 1253.8512                               | CH <sub>4</sub>                   |
| 68       | 1253.2879                               | COF <sub>2</sub>                                      | 98       | 1253.8711                               | N <sub>2</sub> O, CH <sub>4</sub> |
| 69       | 1253.2954                               | COF <sub>2</sub>                                      | 99       | 1253.8800                               | N <sub>2</sub> O                  |
| 70       | 1253.3201                               | CH <sub>4</sub>                                       | 100      | 1253.8875                               | ?                                 |
| 71       | 1253.3260                               | COF <sub>2</sub>                                      | 101      | 1253.9058                               | COF <sub>2</sub>                  |
| 72       | 1253.3491                               | CH <sub>4</sub>                                       | 102      | 1253.9120                               | COF <sub>2</sub>                  |
| 73       | 1253.3650                               | COF <sub>2</sub>                                      | 103      | 1253.9240                               | H <sub>2</sub> O                  |
| 74       | 1253.3887                               | CH <sub>4</sub>                                       | 104      | 1253.9473                               | COF <sub>2</sub>                  |
| 75       | 1253.4011                               | N <sub>2</sub> O, COF <sub>2</sub>                    | 105      | 1253.9586                               | COF <sub>2</sub>                  |
| 76       | 1253.4074                               | CO <sub>2</sub>                                       | 106      | 1253.9673                               | N <sub>2</sub> O                  |
| 77       | 1253.4437                               | COF <sub>2</sub> , CO <sub>2</sub> , H <sub>2</sub> O | 107      | 1253.9882                               | COF <sub>2</sub>                  |
| 78       | 1253.4832                               | COF <sub>2</sub>                                      | 108      | 1253.9954                               | COF <sub>2</sub>                  |
| 79       | 1253.4911                               | CH <sub>4</sub>                                       |          |   |                                   |
| 80       | 1253.5187                               | N <sub>2</sub> O                                      |          |   |                                   |
| 81       | 1253.5307                               | CO <sub>2</sub>                                       |          |   |                                   |
| 82       | 1253.5463                               | N <sub>2</sub> O                                      |          |   |                                   |
| 83       | 1253.5627                               | COF <sub>2</sub>                                      |          |   |                                   |
| 84       | 1253.5752                               | ?   |          |   |                                   |
| 85       | 1253.5929                               | COF <sub>2</sub>                                      |          |   |                                   |
| 86       | 1253.6032                               | COF <sub>2</sub>                                      |          |   |                                   |
| 87       | 1253.6224                               | N <sub>2</sub> O, COF <sub>2</sub>                    |          |   |                                   |
| 88       | 1253.6285                               | CH <sub>4</sub>                                       |          |   |                                   |
| 89       | 1253.6616                               | CH <sub>4</sub>                                       |          |   |                                   |
| 90       | 1253.6810                               | COF <sub>2</sub>                                      |          |   |                                   |