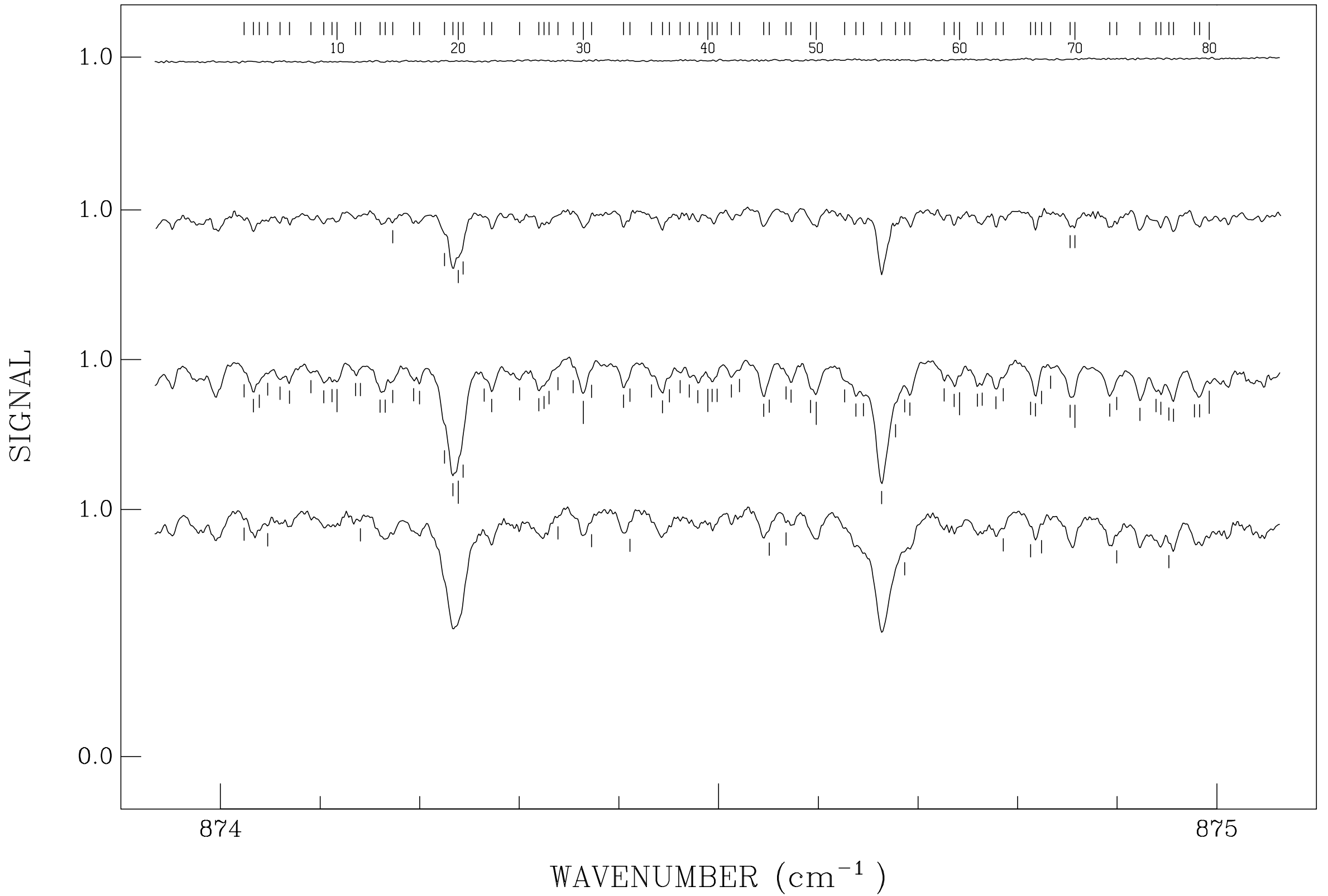


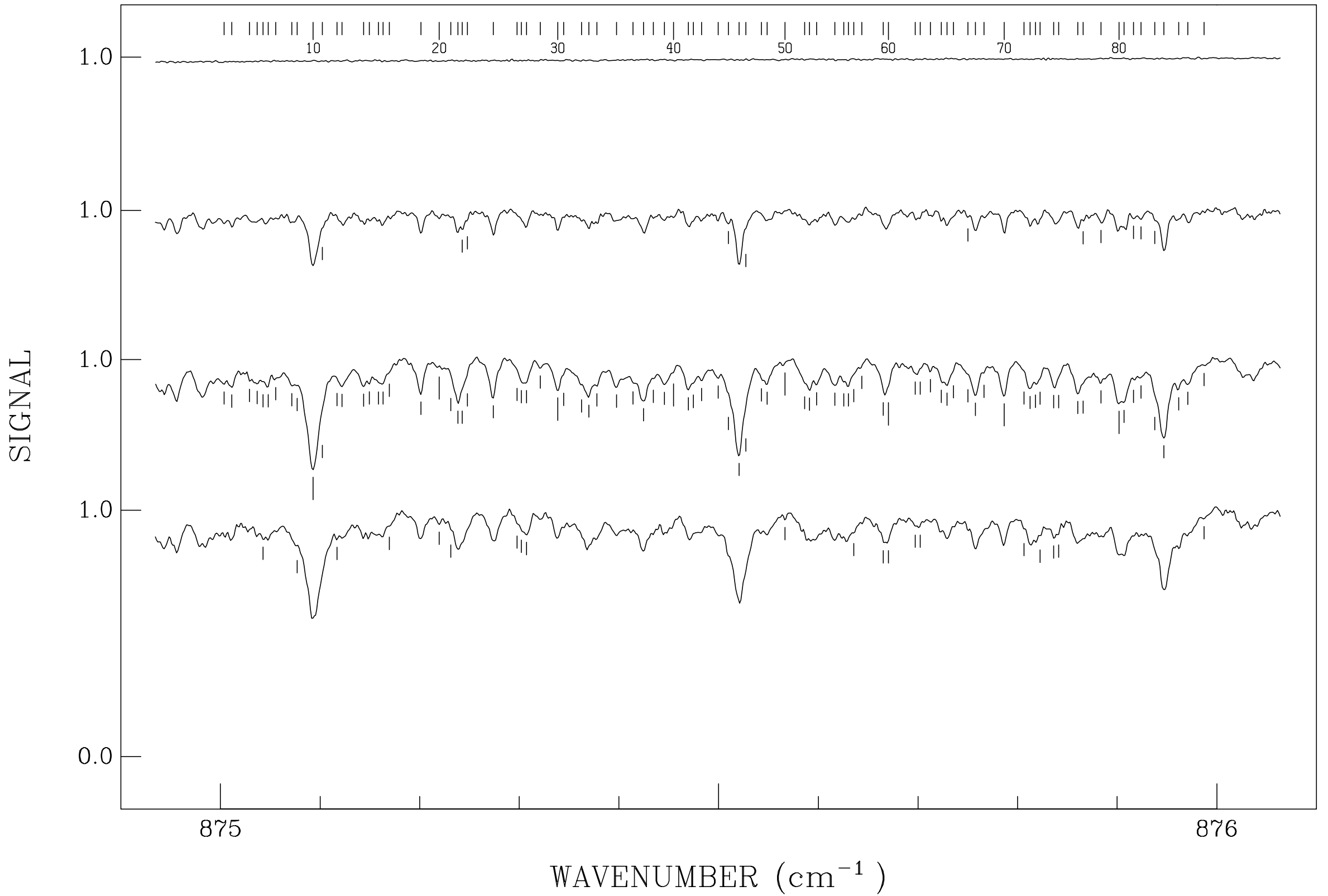
6 JUNE 1988

37.3KM 68.0° 36.75KM 93.34° 36.63KM 94.07° 36.47KM 94.81°



6 JUNE 1988

37.3KM 68.0° 36.75KM 93.34° 36.63KM 94.07° 36.47KM 94.81°



874-876 cm<sup>-1</sup>

| Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification                       | Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification     |
|----------|--------------------------------------|--------------------------------------|----------|--------------------------------------|--------------------|
| 1        | 874.0237                             | CO <sub>2</sub> ? + HNO <sub>3</sub> | 31       | 874.3724                             | ?                  |
| 2        | 874.0329                             | HNO <sub>3</sub>                     | 32       | 874.4045                             | HNO <sub>3</sub>   |
| 3        | 874.0391                             | HNO <sub>3</sub>                     | 33       | 874.4110                             | HNO <sub>3</sub>   |
| 4        | 874.0475                             | HNO <sub>3</sub>                     | 34       | 874.4327                             | HNO <sub>3</sub>   |
| 5        | 874.0597                             | HNO <sub>3</sub>                     | 35       | 874.4435                             | HNO <sub>3</sub>   |
| 6        | 874.0691                             | HNO <sub>3</sub>                     | 36       | 874.4505                             | HNO <sub>3</sub>   |
| 7        | 874.0908                             | HNO <sub>3</sub>                     | 37       | 874.4615                             | HNO <sub>3</sub>   |
| 8        | 874.1037                             | HNO <sub>3</sub>                     | 38       | 874.4704                             | HNO <sub>3</sub>   |
| 9        | 874.1123                             | HNO <sub>3</sub>                     | 39       | 874.4793                             | HNO <sub>3</sub>   |
| 10       | 874.1166                             | HNO <sub>3</sub>                     | 40       | 874.4892                             | HNO <sub>3</sub>   |
| 11       | 874.1362                             | HNO <sub>3</sub>                     | 41       | 874.4938                             | HNO <sub>3</sub>   |
| 12       | 874.1398                             | HNO <sub>3</sub> ?                   | 42       | 874.4979                             | HNO <sub>3</sub> ? |
| 13       | 874.1616                             | HNO <sub>3</sub>                     | 43       | 874.5128                             | HNO <sub>3</sub>   |
| 14       | 874.1641                             | HNO <sub>3</sub>                     | 44       | 874.5208                             | HNO <sub>3</sub>   |
| 15       | 874.1728                             | HNO <sub>3</sub>                     | 45       | 874.5452                             | HNO <sub>3</sub>   |
| 16       | 874.1939                             | HNO <sub>3</sub>                     | 46       | 874.5509                             | HNO <sub>3</sub>   |
| 17       | 874.1996                             | HNO <sub>3</sub>                     | 47       | 874.5677                             | ?                  |
| 18       | 874.2249                             | HNO <sub>3</sub>                     | 48       | 874.5726                             | HNO <sub>3</sub>   |
| 19       | 874.2333                             | HNO <sub>3</sub>                     | 49       | 874.5922                             | HNO <sub>3</sub>   |
| 20       | 874.2391                             | HNO <sub>3</sub>                     | 50       | 874.5978                             | HNO <sub>3</sub>   |
| 21       | 874.2430                             | HNO <sub>3</sub>                     | 51       | 874.6266                             | HNO <sub>3</sub>   |
| 22       | 874.2645                             | HNO <sub>3</sub> ?                   | 52       | 874.6377                             | HNO <sub>3</sub>   |
| 23       | 874.2722                             | HNO <sub>3</sub>                     | 53       | 874.6454                             | HNO <sub>3</sub>   |
| 24       | 874.3001                             | HNO <sub>3</sub>                     | 54       | 874.6636                             | HNO <sub>3</sub>   |
| 25       | 874.3196                             | HNO <sub>3</sub>                     | 55       | 874.6776                             | HNO <sub>3</sub>   |
| 26       | 874.3248                             | HNO <sub>3</sub>                     | 56       | 874.6866                             | HNO <sub>3</sub> ? |
| 27       | 874.3297                             | HNO <sub>3</sub>                     | 57       | 874.6919                             | HNO <sub>3</sub>   |
| 28       | 874.3387                             | HNO <sub>3</sub>                     | 58       | 874.7263                             | HNO <sub>3</sub>   |
| 29       | 874.3541                             | HNO <sub>3</sub> ?                   | 59       | 874.7365                             | HNO <sub>3</sub>   |
| 30       | 874.3642                             | HNO <sub>3</sub>                     | 60       | 874.7419                             | HNO <sub>3</sub>   |

874-876 cm<sup>-1</sup> (continued)

| Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification          | Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification          |
|----------|--------------------------------------|-------------------------|----------|--------------------------------------|-------------------------|
| 61       | 874.7605                             | HNO <sub>3</sub>        | 91       | 875.1023                             | HNO <sub>3</sub>        |
| 62       | 874.7638                             | HNO <sub>3</sub>        | 92       | 875.1169                             | HNO <sub>3</sub> ?      |
| 63       | 874.7785                             | HNO <sub>3</sub>        | 93       | 875.1220                             | HNO <sub>3</sub>        |
| 64       | 874.7856                             | HNO <sub>3</sub>        | 94       | 875.1435                             | HNO <sub>3</sub>        |
| 65       | 874.8131                             | HNO <sub>3</sub> ?      | 95       | 875.1493                             | HNO <sub>3</sub>        |
| 66       | 874.8179                             | HNO <sub>3</sub>        | 96       | 875.1592                             | HNO <sub>3</sub>        |
| 67       | 874.8241                             | HNO <sub>3</sub> ?      | 97       | 875.1624                             | HNO <sub>3</sub>        |
| 68       | 874.8333                             | HNO <sub>3</sub> ?      | 98       | 875.1696                             | HNO <sub>3</sub>        |
| 69       | 874.8534                             | HNO <sub>3</sub>        | 99       | 875.2011                             | HNO <sub>3</sub>        |
| 70       | 874.8569                             | HNO <sub>3</sub>        | 100      | 875.2196                             | HNO <sub>3</sub>        |
| 71       | 874.8925                             | HNO <sub>3</sub>        | 101      | 875.2311                             | HNO <sub>3</sub>        |
| 72       | 874.8995                             | HNO <sub>3</sub> + OCS? | 102      | 875.2385                             | HNO <sub>3</sub>        |
| 73       | 874.9227                             | HNO <sub>3</sub>        | 103      | 875.2433                             | HNO <sub>3</sub>        |
| 74       | 874.9393                             | HNO <sub>3</sub>        | 104      | 875.2468                             | HNO <sub>3</sub> + OCS? |
| 75       | 874.9436                             | HNO <sub>3</sub>        | 105      | 875.2737                             | HNO <sub>3</sub>        |
| 76       | 874.9524                             | HNO <sub>3</sub> ?      | 106      | 875.2976                             | HNO <sub>3</sub>        |
| 77       | 874.9560                             | HNO <sub>3</sub>        | 107      | 875.3026                             | HNO <sub>3</sub>        |
| 78       | 874.9781                             | HNO <sub>3</sub>        | 108      | 875.3064                             | HNO <sub>3</sub>        |
| 79       | 874.9822                             | HNO <sub>3</sub>        | 109      | 875.3209                             | HNO <sub>3</sub>        |
| 80       | 874.9925                             | HNO <sub>3</sub>        | 110      | 875.3384                             | HNO <sub>3</sub>        |
| 81       | 875.0036                             | HNO <sub>3</sub>        | 111      | 875.3445                             | HNO <sub>3</sub> ?      |
| 82       | 875.0114                             | HNO <sub>3</sub>        | 112      | 875.3625                             | HNO <sub>3</sub>        |
| 83       | 875.0290                             | HNO <sub>3</sub>        | 113      | 875.3695                             | HNO <sub>3</sub>        |
| 84       | 875.0368                             | HNO <sub>3</sub>        | 114      | 875.3779                             | HNO <sub>3</sub>        |
| 85       | 875.0430                             | HNO <sub>3</sub> ?      | 115      | 875.3975                             | HNO <sub>3</sub>        |
| 86       | 875.0475                             | HNO <sub>3</sub>        | 116      | 875.4140                             | HNO <sub>3</sub>        |
| 87       | 875.0553                             | HNO <sub>3</sub>        | 117      | 875.4247                             | HNO <sub>3</sub>        |
| 88       | 875.0721                             | HNO <sub>3</sub>        | 118      | 875.4344                             | HNO <sub>3</sub>        |
| 89       | 875.0764                             | HNO <sub>3</sub>        | 119      | 875.4455                             | HNO <sub>3</sub>        |
| 90       | 875.0928                             | HNO <sub>3</sub>        | 120      | 875.4546                             | HNO <sub>3</sub>        |

874-876 cm<sup>-1</sup> (continued)

| Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification     | Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification     |
|----------|--------------------------------------|--------------------|----------|--------------------------------------|--------------------|
| 121      | 875.4696                             | HNO <sub>3</sub>   | 151      | 875.8067                             | HNO <sub>3</sub>   |
| 122      | 875.4748                             | HNO <sub>3</sub>   | 152      | 875.8125                             | HNO <sub>3</sub>   |
| 123      | 875.4831                             | HNO <sub>3</sub>   | 153      | 875.8188                             | HNO <sub>3</sub>   |
| 124      | 875.4994                             | HNO <sub>3</sub>   | 154      | 875.8220                             | HNO <sub>3</sub> ? |
| 125      | 875.5097                             | HNO <sub>3</sub>   | 155      | 875.8367                             | HNO <sub>3</sub>   |
| 126      | 875.5204                             | HNO <sub>3</sub>   | 156      | 875.8410                             | HNO <sub>3</sub>   |
| 127      | 875.5275                             | HNO <sub>3</sub>   | 157      | 875.8606                             | HNO <sub>3</sub>   |
| 128      | 875.5428                             | HNO <sub>3</sub>   | 158      | 875.8657                             | HNO <sub>3</sub>   |
| 129      | 875.5486                             | HNO <sub>3</sub>   | 159      | 875.8839                             | HNO <sub>3</sub>   |
| 130      | 875.5666                             | HNO <sub>3</sub> ? | 160      | 875.9018                             | HNO <sub>3</sub>   |
| 131      | 875.5866                             | HNO <sub>3</sub>   | 161      | 875.9067                             | HNO <sub>3</sub>   |
| 132      | 875.5911                             | HNO <sub>3</sub>   | 162      | 875.9164                             | HNO <sub>3</sub>   |
| 133      | 875.5985                             | HNO <sub>3</sub>   | 163      | 875.9237                             | HNO <sub>3</sub>   |
| 134      | 875.6167                             | HNO <sub>3</sub>   | 164      | 875.9376                             | HNO <sub>3</sub>   |
| 135      | 875.6258                             | HNO <sub>3</sub>   | 165      | 875.9469                             | HNO <sub>3</sub>   |
| 136      | 875.6301                             | HNO <sub>3</sub>   | 166      | 875.9616                             | HNO <sub>3</sub>   |
| 137      | 875.6358                             | HNO <sub>3</sub>   | 167      | 875.9709                             | HNO <sub>3</sub>   |
| 138      | 875.6436                             | HNO <sub>3</sub>   | 168      | 875.9873                             | HNO <sub>3</sub>   |
| 139      | 875.6667                             | HNO <sub>3</sub>   |          |                                      |                    |
| 140      | 875.6689                             | HNO <sub>3</sub> ? |          |                                      |                    |
| 141      | 875.6986                             | HNO <sub>3</sub>   |          |                                      |                    |
| 142      | 875.7009                             | HNO <sub>3</sub>   |          |                                      |                    |
| 143      | 875.7127                             | HNO <sub>3</sub>   |          |                                      |                    |
| 144      | 875.7235                             | HNO <sub>3</sub>   |          |                                      |                    |
| 145      | 875.7292                             | HNO <sub>3</sub>   |          |                                      |                    |
| 146      | 875.7357                             | HNO <sub>3</sub>   |          |                                      |                    |
| 147      | 875.7503                             | HNO <sub>3</sub>   |          |                                      |                    |
| 148      | 875.7578                             | HNO <sub>3</sub>   |          |                                      |                    |
| 149      | 875.7664                             | HNO <sub>3</sub>   |          |                                      |                    |
| 150      | 875.7865                             | HNO <sub>3</sub>   |          |                                      |                    |