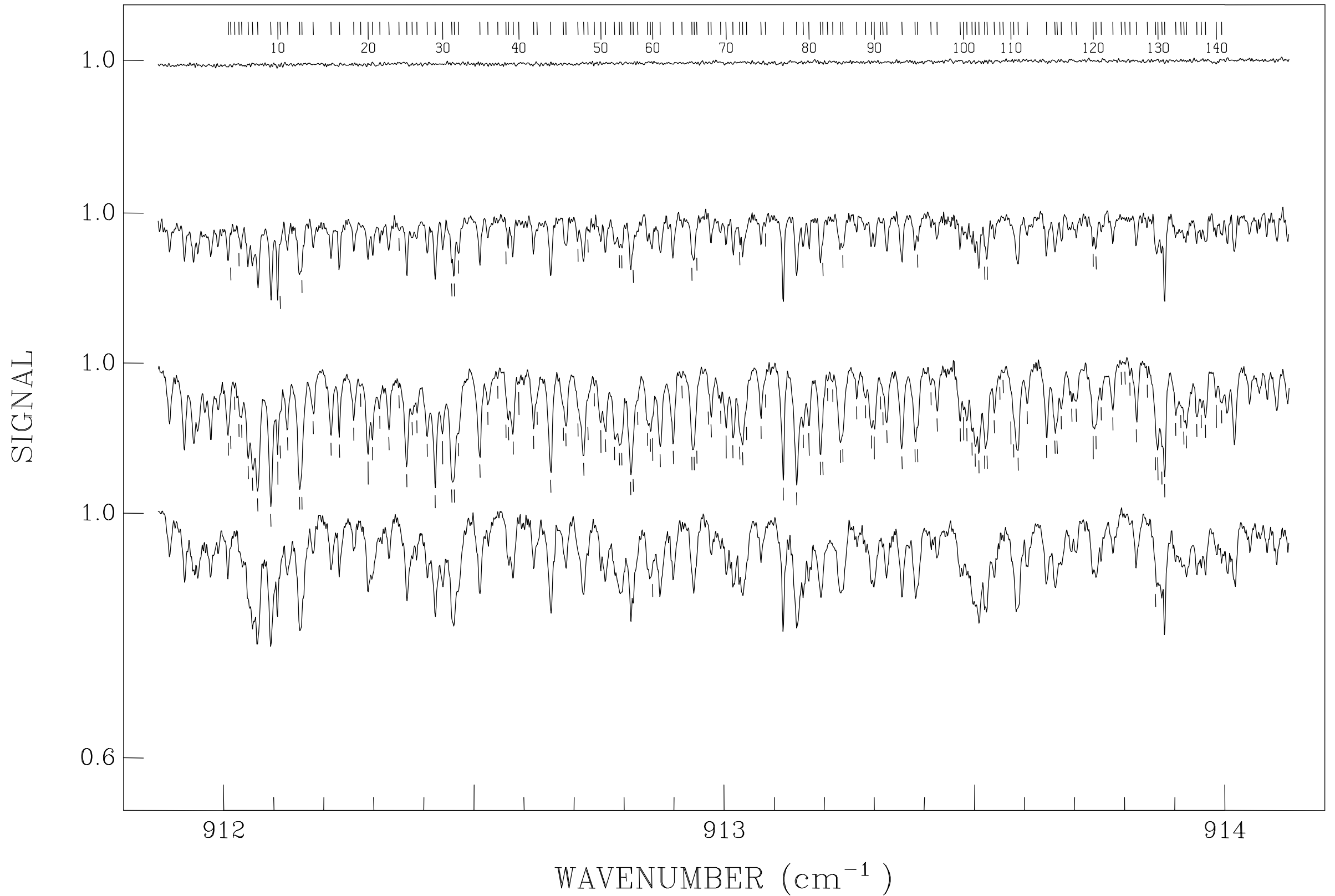


6 JUNE 1988

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



912-914 cm<sup>-1</sup>

| Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification                     | Seq. No. | $\nu$ (observed) (cm <sup>-1</sup> ) | Identification     |
|----------|--------------------------------------|------------------------------------|----------|--------------------------------------|--------------------|
| 1        | 912.0090                             | HNO <sub>3</sub>                   | 31       | 912.4564                             | HNO <sub>3</sub>   |
| 2        | 912.0142                             | HNO <sub>3</sub> ?                 | 32       | 912.4601                             | HNO <sub>3</sub>   |
| 3        | 912.0220                             | HNO <sub>3</sub> ?                 | 33       | 912.4694                             | HNO <sub>3</sub>   |
| 4        | 912.0315                             | HNO <sub>3</sub>                   | 34       | 912.5120                             | HNO <sub>3</sub>   |
| 5        | 912.0347                             | HNO <sub>3</sub>                   | 35       | 912.5280                             | HNO <sub>3</sub>   |
| 6        | 912.0490                             | HNO <sub>3</sub>                   | 36       | 912.5477                             | ?                  |
| 7        | 912.0579                             | HNO <sub>3</sub>                   | 37       | 912.5646                             | HNO <sub>3</sub> ? |
| 8        | 912.0681                             | HNO <sub>3</sub>                   | 38       | 912.5685                             | HNO <sub>3</sub>   |
| 9        | 912.0946                             | HNO <sub>3</sub>                   | 39       | 912.5782                             | HNO <sub>3</sub>   |
| 10       | 912.1079                             | CO <sub>2</sub>                    | 40       | 912.5896                             | HNO <sub>3</sub> ? |
| 11       | 912.1128                             | HNO <sub>3</sub>                   | 41       | 912.6193                             | HNO <sub>3</sub>   |
| 12       | 912.1277                             | HNO <sub>3</sub>                   | 42       | 912.6267                             | HNO <sub>3</sub>   |
| 13       | 912.1519                             | HNO <sub>3</sub>                   | 43       | 912.6537                             | HNO <sub>3</sub>   |
| 14       | 912.1561                             | HNO <sub>3</sub>                   | 44       | 912.6788                             | HNO <sub>3</sub>   |
| 15       | 912.1791                             | HNO <sub>3</sub>                   | 45       | 912.6840                             | HNO <sub>3</sub>   |
| 16       | 912.2146                             | HNO <sub>3</sub>                   | 46       | 912.7077                             | HNO <sub>3</sub>   |
| 17       | 912.2311                             | CO <sub>2</sub> , HNO <sub>3</sub> | 47       | 912.7191                             | HNO <sub>3</sub>   |
| 18       | 912.2598                             | HNO <sub>3</sub>                   | 48       | 912.7277                             | HNO <sub>3</sub>   |
| 19       | 912.2738                             | ?                                  | 49       | 912.7408                             | ?                  |
| 20       | 912.2888                             | HNO <sub>3</sub>                   | 50       | 912.7534                             | HNO <sub>3</sub>   |
| 21       | 912.2976                             | HNO <sub>3</sub>                   | 51       | 912.7627                             | HNO <sub>3</sub>   |
| 22       | 912.3118                             | HNO <sub>3</sub>                   | 52       | 912.7808                             | HNO <sub>3</sub>   |
| 23       | 912.3303                             | HNO <sub>3</sub>                   | 53       | 912.7910                             | HNO <sub>3</sub>   |
| 24       | 912.3504                             | HNO <sub>3</sub>                   | 54       | 912.7951                             | HNO <sub>3</sub>   |
| 25       | 912.3661                             | HNO <sub>3</sub>                   | 55       | 912.8134                             | HNO <sub>3</sub>   |
| 26       | 912.3766                             | HNO <sub>3</sub>                   | 56       | 912.8182                             | HNO <sub>3</sub>   |
| 27       | 912.3861                             | HNO <sub>3</sub>                   | 57       | 912.8273                             | HNO <sub>3</sub>   |
| 28       | 912.4064                             | HNO <sub>3</sub>                   | 58       | 912.8467                             | HNO <sub>3</sub>   |
| 29       | 912.4229                             | HNO <sub>3</sub>                   | 59       | 912.8526                             | HNO <sub>3</sub>   |
| 30       | 912.4378                             | HNO <sub>3</sub>                   | 60       | 912.8569                             | HNO <sub>3</sub> ? |

912-914 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       | 912.8723                                | HNO <sub>3</sub>                   | 91       | 913.3123                                | HNO <sub>3</sub> ? |
| 62       | 912.8983                                | HNO <sub>3</sub>                   | 92       | 913.3173                                | HNO <sub>3</sub> ? |
| 63       | 912.9158                                | ?                                  | 93       | 913.3251                                | HNO <sub>3</sub>   |
| 64       | 912.9363                                | HNO <sub>3</sub>                   | 94       | 913.3551                                | HNO <sub>3</sub>   |
| 65       | 912.9397                                | HNO <sub>3</sub>                   | 95       | 913.3816                                | HNO <sub>3</sub>   |
| 66       | 912.9444                                | HNO <sub>3</sub> ?                 | 96       | 913.3865                                | HNO <sub>3</sub>   |
| 67       | 912.9682                                | HNO <sub>3</sub> ?                 | 97       | 913.4133                                | HNO <sub>3</sub>   |
| 68       | 912.9741                                | HNO <sub>3</sub>                   | 98       | 913.4255                                | HNO <sub>3</sub>   |
| 69       | 912.9930                                | HNO <sub>3</sub>                   | 99       | 913.4717                                | HNO <sub>3</sub>   |
| 70       | 913.0039                                | HNO <sub>3</sub>                   | 100      | 913.4786                                | HNO <sub>3</sub> ? |
| 71       | 913.0176                                | HNO <sub>3</sub>                   | 101      | 913.4850                                | HNO <sub>3</sub>   |
| 72       | 913.0311                                | HNO <sub>3</sub>                   | 102      | 913.4952                                | HNO <sub>3</sub>   |
| 73       | 913.0370                                | HNO <sub>3</sub>                   | 103      | 913.5017                                | HNO <sub>3</sub>   |
| 74       | 913.0448                                | HNO <sub>3</sub>                   | 104      | 913.5090                                | HNO <sub>3</sub>   |
| 75       | 913.0737                                | HNO <sub>3</sub>                   | 105      | 913.5212                                | HNO <sub>3</sub>   |
| 76       | 913.0826                                | HNO <sub>3</sub>                   | 106      | 913.5249                                | HNO <sub>3</sub>   |
| 77       | 913.1180                                | CO <sub>2</sub> , HNO <sub>3</sub> | 107      | 913.5400                                | HNO <sub>3</sub>   |
| 78       | 913.1447                                | HNO <sub>3</sub>                   | 108      | 913.5506                                | HNO <sub>3</sub> ? |
| 79       | 913.1580                                | HNO <sub>3</sub>                   | 109      | 913.5575                                | ?                  |
| 80       | 913.1696                                | HNO <sub>3</sub>                   | 110      | 913.5729                                | HNO <sub>3</sub>   |
| 81       | 913.1925                                | HNO <sub>3</sub>                   | 111      | 913.5781                                | HNO <sub>3</sub>   |
| 82       | 913.1967                                | HNO <sub>3</sub> ?                 | 112      | 913.5871                                | HNO <sub>3</sub>   |
| 83       | 913.2062                                | ?                                  | 113      | 913.6054                                | HNO <sub>3</sub>   |
| 84       | 913.2167                                | HNO <sub>3</sub>                   | 114      | 913.6441                                | HNO <sub>3</sub>   |
| 85       | 913.2321                                | HNO <sub>3</sub>                   | 115      | 913.6612                                | HNO <sub>3</sub>   |
| 86       | 913.2368                                | HNO <sub>3</sub>                   | 116      | 913.6651                                | HNO <sub>3</sub> ? |
| 87       | 913.2650                                | HNO <sub>3</sub>                   | 117      | 913.6739                                | HNO <sub>3</sub>   |
| 88       | 913.2827                                | HNO <sub>3</sub>                   | 118      | 913.6945                                | HNO <sub>3</sub>   |
| 89       | 913.2939                                | HNO <sub>3</sub>                   | 119      | 913.7035                                | HNO <sub>3</sub>   |
| 90       | 913.3000                                | HNO <sub>3</sub>                   | 120      | 913.7370                                | HNO <sub>3</sub>   |

912-914 cm<sup>-1</sup> (continued)

| Seq. No. | $\nu$ (observed)<br>(cm <sup>-1</sup> ) | Identification                       |
|----------|---|--------------------------------------|
| 121      | 913.7431                                | HNO <sub>3</sub>                     |
| 122      | 913.7535                                | HNO <sub>3</sub>                     |
| 123      | 913.7766                                | HNO <sub>3</sub>                     |
| 124      | 913.7932                                | HNO <sub>3</sub> ?                   |
| 125      | 913.8011                                | HNO <sub>3</sub> ?                   |
| 126      | 913.8107                                | HNO <sub>3</sub> ?                   |
| 127      | 913.8234                                | HNO <sub>3</sub>                     |
| 128      | 913.8453                                | HNO <sub>3</sub>                     |
| 129      | 913.8630                                | HNO <sub>3</sub> ?                   |
| 130      | 913.8655                                | HNO <sub>3</sub>                     |
| 131      | 913.8745                                | HNO <sub>3</sub>                     |
| 132      | 913.8801                                | CO <sub>2</sub> , HNO <sub>3</sub>   |
| 133      | 913.9020                                | HNO <sub>3</sub>                     |
| 134      | 913.9128                                | HNO <sub>3</sub>                     |
| 135      | 913.9187                                | HNO <sub>3</sub> ?                   |
| 136      | 913.9234                                | HNO <sub>3</sub>                     |
| 137      | 913.9444                                | HNO <sub>3</sub>                     |
| 138      | 913.9532                                | HNO <sub>3</sub>                     |
| 139      | 913.9616                                | HNO <sub>3</sub>                     |
| 140      | 913.9833                                | HNO <sub>3</sub> , H <sub>2</sub> O? |
| 141      | 913.9938                                | HNO <sub>3</sub>                     |