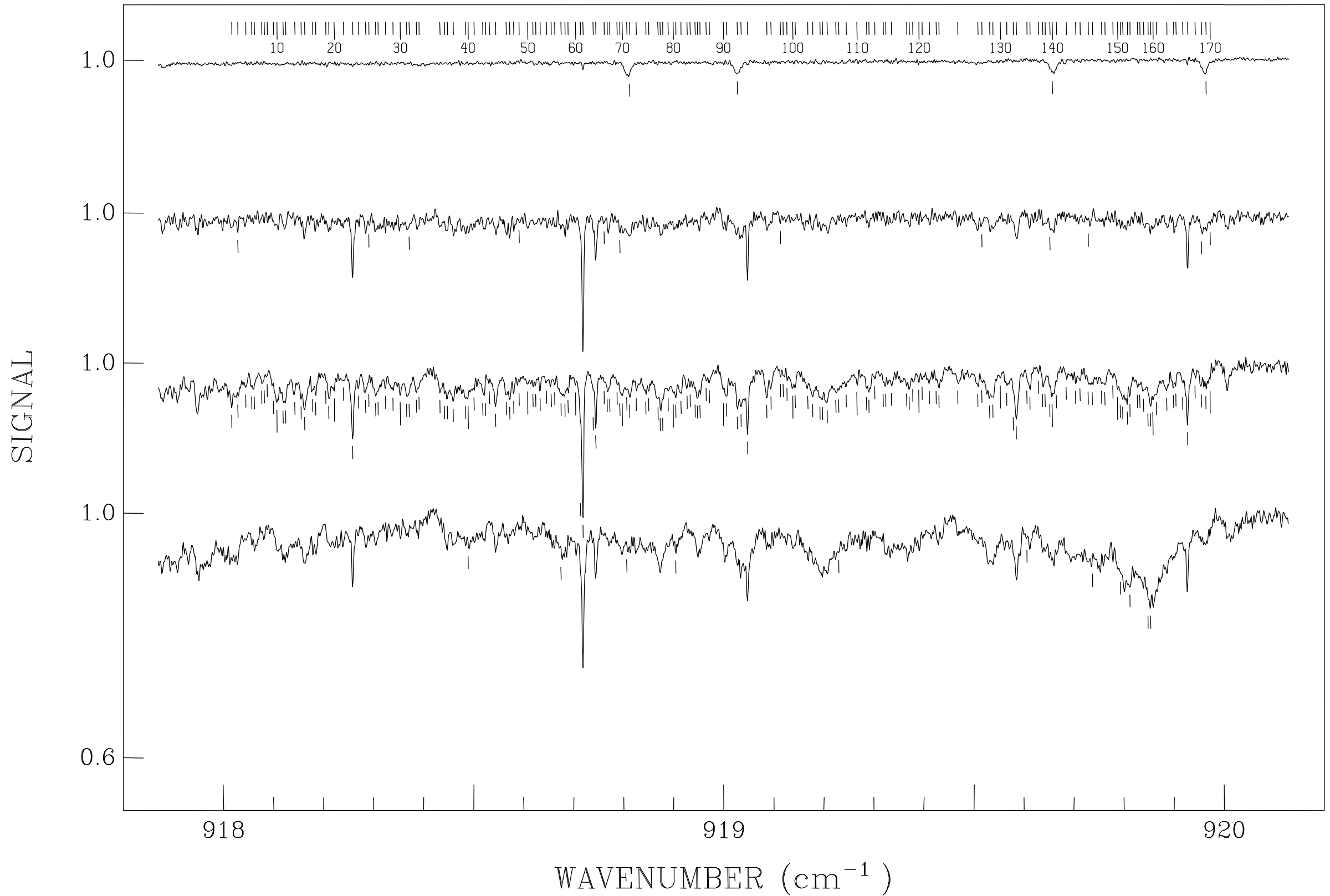


6 JUNE 1988

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



918-920 cm⁻¹

| Seq. No. | ν (observed) (cm ⁻¹) | Identification | Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|--------------------------------------|------------------------------------|----------|--------------------------------------|--------------------------------------|
| 1 | 918.0163 | HNO ₃ | 31 | 918.3672 | HNO ₃ |
| 2 | 918.0286 | HNO ₃ | 32 | 918.3699 | HNO ₃ ? |
| 3 | 918.0441 | HNO ₃ | 33 | 918.3861 | HNO ₃ |
| 4 | 918.0565 | HNO ₃ | 34 | 918.3894 | HNO ₃ |
| 5 | 918.0611 | HNO ₃ | 35 | 918.4326 | HNO ₃ |
| 6 | 918.0773 | HNO ₃ | 36 | 918.4428 | HNO ₃ |
| 7 | 918.0809 | HNO ₃ ? | 37 | 918.4467 | HNO ₃ |
| 8 | 918.0873 | HNO ₃ ? | 38 | 918.4591 | HNO ₃ + H ₂ O? |
| 9 | 918.0997 | HNO ₃ ? | 39 | 918.4840 | HNO ₃ + H ₂ O? |
| 10 | 918.1065 | HNO ₃ | 40 | 918.4887 | HNO ₃ |
| 11 | 918.1193 | HNO ₃ | 41 | 918.5010 | HNO ₃ ? |
| 12 | 918.1240 | HNO ₃ | 42 | 918.5195 | HNO ₃ ? |
| 13 | 918.1424 | HNO ₃ | 43 | 918.5220 | HNO ₃ |
| 14 | 918.1551 | HNO ₃ | 44 | 918.5315 | HNO ₃ ? |
| 15 | 918.1619 | HNO ₃ | 45 | 918.5441 | HNO ₃ |
| 16 | 918.1778 | HNO ₃ ? | 46 | 918.5653 | HNO ₃ |
| 17 | 918.1843 | HNO ₃ | 47 | 918.5717 | HNO ₃ |
| 18 | 918.2039 | HNO ₃ ? | 48 | 918.5800 | HNO ₃ |
| 19 | 918.2107 | HNO ₃ | 49 | 918.5908 | HNO ₃ ? |
| 20 | 918.2216 | HNO ₃ | 50 | 918.6080 | HNO ₃ |
| 21 | 918.2396 | HNO ₃ | 51 | 918.6189 | HNO ₃ ? |
| 22 | 918.2580 | CO ₂ , HNO ₃ | 52 | 918.6233 | HNO ₃ ? |
| 23 | 918.2700 | HNO ₃ | 53 | 918.6326 | HNO ₃ |
| 24 | 918.2833 | HNO ₃ | 54 | 918.6457 | HNO ₃ |
| 25 | 918.2904 | HNO ₃ ? | 55 | 918.6550 | HNO ₃ ? |
| 26 | 918.3040 | HNO ₃ | 56 | 918.6618 | HNO ₃ ? |
| 27 | 918.3088 | HNO ₃ ? | 57 | 918.6741 | HNO ₃ |
| 28 | 918.3236 | HNO ₃ | 58 | 918.6819 | HNO ₃ |
| 29 | 918.3385 | HNO ₃ | 59 | 918.6888 | HNO ₃ |
| 30 | 918.3533 | HNO ₃ | 60 | 918.7035 | HNO ₃ |

918-920 cm⁻¹

| Seq. No. | ν (observed) (cm ⁻¹) | Identification | Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|--------------------------------------|------------------------------------|----------|--------------------------------------|-----------------------------|
| 61 | 918.7133 | HNO ₃ | 91 | 919.0052 | HNO ₃ |
| 62 | 918.7183 | CO ₂ , HNO ₃ | 92 | 919.0267 | HNO ₃ + solar OH |
| 63 | 918.7386 | CO ₂ ? | 93 | 919.0341 | HNO ₃ ? |
| 64 | 918.7439 | CO ₂ | 94 | 919.0471 | CO ₂ |
| 65 | 918.7607 | HNO ₃ | 95 | 919.0859 | HNO ₃ |
| 66 | 918.7679 | HNO ₃ | 96 | 919.0939 | ? + HNO ₃ ? |
| 67 | 918.7707 | HNO ₃ ? | 97 | 919.1129 | ? |
| 68 | 918.7868 | HNO ₃ ? | 98 | 919.1186 | HNO ₃ ? |
| 69 | 918.7925 | HNO ₃ | 99 | 919.1259 | HNO ₃ ? |
| 70 | 918.7966 | HNO ₃ | 100 | 919.1381 | HNO ₃ |
| 71 | 918.8056 | HNO ₃ ? | 101 | 919.1423 | HNO ₃ |
| 72 | 918.8115 | solar OH + HNO ₃ ? | 102 | 919.1679 | HNO ₃ |
| 73 | 918.8248 | HNO ₃ | 103 | 919.1778 | HNO ₃ |
| 74 | 918.8437 | HNO ₃ | 104 | 919.1922 | HNO ₃ |
| 75 | 918.8499 | HNO ₃ | 105 | 919.1966 | HNO ₃ |
| 76 | 918.8680 | HNO ₃ | 106 | 919.2064 | HNO ₃ |
| 77 | 918.8734 | HNO ₃ | 107 | 919.2239 | HNO ₃ |
| 78 | 918.8770 | HNO ₃ ? | 108 | 919.2298 | HNO ₃ ? |
| 79 | 918.8886 | HNO ₃ ? | 109 | 919.2442 | HNO ₃ |
| 80 | 918.8992 | HNO ₃ | 110 | 919.2664 | HNO ₃ |
| 81 | 918.9038 | HNO ₃ | 111 | 919.2851 | HNO ₃ |
| 82 | 918.9143 | HNO ₃ | 112 | 919.2899 | HNO ₃ |
| 83 | 918.9263 | HNO ₃ ? | 113 | 919.3020 | ? |
| 84 | 918.9324 | HNO ₃ ? | 114 | 919.3193 | HNO ₃ ? |
| 85 | 918.9423 | HNO ₃ ? | 115 | 919.3228 | HNO ₃ ? |
| 86 | 918.9476 | HNO ₃ ? | 116 | 919.3350 | ? |
| 87 | 918.9522 | HNO ₃ ? | 117 | 919.3653 | HNO ₃ ? |
| 88 | 918.9644 | HNO ₃ ? | 118 | 919.3709 | HNO ₃ |
| 89 | 918.9707 | HNO ₃ | 119 | 919.3774 | ? |
| 90 | 918.9993 | HNO ₃ | 120 | 919.3901 | HNO ₃ |

918-920 cm⁻¹

| Seq. No. | ν (observed) (cm ⁻¹) | Identification | Seq. No. | ν (observed) (cm ⁻¹) | Identification |
|----------|--------------------------------------|-------------------------------|----------|--------------------------------------|--------------------------------------|
| 121 | 919.3963 | HNO ₃ ? | 151 | 919.7927 | HNO ₃ ? |
| 122 | 919.4107 | HNO ₃ | 152 | 919.7969 | HNO ₃ ? |
| 123 | 919.4246 | HNO ₃ | 153 | 919.8069 | HNO ₃ |
| 124 | 919.4300 | HNO ₃ | 154 | 919.8112 | HNO ₃ |
| 125 | 919.4677 | HNO ₃ | 155 | 919.8272 | HNO ₃ |
| 126 | 919.5076 | HNO ₃ | 156 | 919.8306 | HNO ₃ ? |
| 127 | 919.5154 | ? | 157 | 919.8389 | HNO ₃ |
| 128 | 919.5314 | HNO ₃ | 158 | 919.8484 | HNO ₃ ? |
| 129 | 919.5379 | HNO ₃ | 159 | 919.8524 | HNO ₃ |
| 130 | 919.5524 | HNO ₃ ? | 160 | 919.8577 | HNO ₃ |
| 131 | 919.5655 | HNO ₃ | 161 | 919.8649 | HNO ₃ |
| 132 | 919.5785 | HNO ₃ ? | 162 | 919.8856 | HNO ₃ |
| 133 | 919.5848 | HNO ₃ | 163 | 919.8992 | HNO ₃ |
| 134 | 919.6055 | HNO ₃ ? | 164 | 919.9029 | HNO ₃ |
| 135 | 919.6119 | HNO ₃ | 165 | 919.9172 | HNO ₃ ? |
| 136 | 919.6286 | HNO ₃ ? | 166 | 919.9265 | CO ₂ + HNO ₃ ? |
| 137 | 919.6377 | HNO ₃ | 167 | 919.9417 | HNO ₃ ? |
| 138 | 919.6419 | HNO ₃ ? | 168 | 919.9546 | HNO ₃ ? |
| 139 | 919.6516 | HNO ₃ ? | 169 | 919.9637 | HNO ₃ ? + solar OH |
| 140 | 919.6561 | HNO ₃ ? + solar OH | 170 | 919.9718 | HNO ₃ ? |
| 141 | 919.6649 | HNO ₃ ? + solar OH | | | |
| 142 | 919.6840 | HNO ₃ ? | | | |
| 143 | 919.7030 | HNO ₃ ? | | | |
| 144 | 919.7119 | HNO ₃ ? | | | |
| 145 | 919.7284 | HNO ₃ ? | | | |
| 146 | 919.7363 | HNO ₃ ? | | | |
| 147 | 919.7549 | HNO ₃ ? | | | |
| 148 | 919.7619 | HNO ₃ ? | | | |
| 149 | 919.7779 | ? + HNO ₃ ? | | | |
| 150 | 919.7868 | HNO ₃ ? | | | |