# Observations

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| **Time(sec)** | **Pirani Guage (Torr)** | **Penning Guage(Torr)** |
| 0 | 580 |  |
| 12 | 380 |  |
| 23 | 24 |  |
| 34 | 7.1 |  |
| 45 | 2.7 |  |
| 55 | 1.2 |  |
| 66 | 0.635 |  |
| 77 | 0.39 |  |
| 88 | 0.27 |  |
| 99 | 0.19 |  |
| 110 | 0.145 |  |
| 120 | 0.115 |  |
| 131 | 0.095 |  |
| 142 | 0.0815 |  |
| 153 | 0.07 |  |
| 164 | 0.064 |  |
| 174 | 0.0585 |  |
| 185 | 0.054 |  |
| 196 | 0.051 |  |
| 207 | 0.048 |  |
| 218 | 0.045 |  |
| 239 | 0.0405 |  |
| 272 | 0.036 |  |
| 294 | 0.0335 |  |
| 305 | 0.032 |  |
| 326 | 0.03 |  |
| 358 | 0.027 |  |
| 411 | 0.0245 |  |
| 443 | 0.0225 |  |
| 485 | 0.021 |  |
| 539 | 0.019 |  |
| 634 | 0.0165 |  |
| 740 | 0.0145 |  |
| 761 | 0.0135 |  |
| 782 | 0.0139 |  |
| 803 | 0.01275 |  |
| 845 | 0.01205 |  |
| 887 | 0.01185 |  |
| 919 | 0.01125 |  |
| 940 | 0.011 |  |
| 982 | 0.01075 |  |
| 1066 | 0.00995 |  |
| 1150 | 0.00925 |  |
| 1213 | 0.00865 |  |
| 1287 | 0.00855 |  |
| 1319 | 0.008 |  |
| 1382 | 0.0078 |  |
| 1491 | 0.0074 |  |
| 1543 | 0.00725 |  |
| 1606 | 0.0071 |  |
| 1638 | 0.007 |  |
| 1680 | 0.0068 |  |
| 1785 | 0.00655 |  |
| 1891 | 0.00615 |  |
| 1964 | 0.00595 |  |
| 1978 | 0.00605 |  |
| 1978 | 0.00605 |  |
| 2030 | 0.0059 |  |
| 2209 | 0.0056 |  |
| 2272 | 0.0055 |  |
| 2504 | 0.00525 |  |
| 2851 | 0.00495 |  |
| 3020 | 0.0048 |  |
| 3262 | 0.0053 |  |
| 3283 | 0.2165 | 0.00019 |
| 3294 | 0.0161 | 0.000093 |
| 3304 | 0.0136 | 0.000075 |
| 3315 | 0.01255 | 0.000062 |
| 3325 | 0.01105 | 0.000053 |
| 3336 | 0.0101 | 0.000046 |
| 3346 | 0.00955 | 0.000041 |
| 3357 | 0.00905 | 0.000036 |
| 3378 | 0.00855 | 0.00003 |
| 3388 | 0.008 | 0.000028 |
| 3399 | 0.00755 | 0.000026 |
| 3420 | 0.007 | 0.000024 |
| 3441 | 0.00655 | 0.000023 |
| 3473 | 0.00625 | 0.000021 |
| 3494 | 0.00605 | 0.00002 |
| 3526 | 0.00565 | 0.000018 |
| 3568 | 0.00525 | 0.000016 |
| 3610 | 0.005 | 0.000014 |
| 3673 | 0.00485 | 0.000012 |
| 3768 | 0.0046 | 0.00001 |
| 3831 | 0.0045 | 0.0000099 |
| 3915 | 0.0044 | 0.0000098 |
| 3954 | 0.0043 | 0.0000097 |
| 3954 | 0.0043 | 0.0000097 |
| 3989 | 0.00425 | 0.0000092 |
| 4021 | 0.0042 | 0.0000088 |
| 4042 | 0.0042 | 0.0000084 |
| 4074 | 0.00415 | 0.0000074 |
| 4084 | 0.00415 | 0.0000072 |
| 4105 | 0.0041 | 0.0000069 |
| 4126 | 0.0041 | 0.0000066 |
| 4148 | 0.0041 | 0.0000064 |
| 4211 | 0.004 | 0.0000061 |
| 4253 | 0.004 | 0.0000059 |
| 4305 | 0.00395 | 0.0000057 |
| 4348 | 0.00395 | 0.0000055 |
| 4432 | 0.00385 | 0.0000053 |
| 4495 | 0.0038 | 0.0000051 |
| 4548 | 0.0038 | 0.000005 |
| 4642 | 0.00375 | 0.0000048 |
| 4706 | 0.0037 | 0.0000046 |
| 4821 | 0.0036 | 0.0000044 |
| 4916 | 0.00365 | 0.0000042 |
| 5042 | 0.00345 | 0.0000041 |
| 5116 | 0.02145 | 0.000004 |
| 5211 | 0.00345 | 0.0000038 |
| 5306 | 0.00345 | 0.0000037 |
| 5411 | 0.0034 | 0.0000036 |
| 5495 | 0.0029 | 0.0000035 |
| 5621 | 0.00345 | 0.0000034 |
| 5679 | 0.0034 | 0.0000034 |