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# *Transmission function of the red atmospheric oxygen bands*

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*Abstract*: Transmission functions of the oxygen A, B and $\gamma$ bands have been calculated by a line-by-line integration over a wide range of temperatures, pressures and path lengths. All significant lines of isotopic species $O_2^{16}$, $O^{16}O^{17}$ and $O^{16}O^{18}$ whose relative line strengths are greater than $10^{-7}$ times that of the strongest line in each band of $O_2^{16}$ are taken into account in the calculation and mixed Doppler-Lorentz profile is employed as the line shape factor. Transmission functions for the whole bands and for each 5 $cm^{-1}$ interval within the bands are tabulated in detail.

## 1. Introduction

An accurate evaluation of the absorption of solar radiation by the oxygen band is very important for the estimation of radiation balance of the terrestrial atmosphere (Yamamoto, 1962), for satellite measurements of the cloud-top height (Yamamoto and Wark, 1961; Chapman, 1962; Saiedy et al., 1967; Gorodetskiy et al., 1971) and for the discovery of the oxygen on other planets.

The oxygen bands emerged in the near infrared region are the red atmospheric system in the region 6200Å–7600Å and the infrared atmospheric system in the region 10600Å–12700Å. It is well known that the former, which is treated in this study, is about 20 times as intense as the latter (Herzberg and Herzberg, 1947).

Earlier determinations of the line parameters for the red atmospheric bands (Allen, 1937; Van de Hulst, 1945; Wark and Mercer, 1965; Adiks and Dianov-Klokov, 1968; Burch and Gryvank, 1969; Miller et al., 1969, 1976; Galkin et al., 1972; Giver et al., 1974) are in conflict with each other. It is also the case for the transmission functions calculated by several workers (Wark and Mercer; Adiks et al., 1972). Recently, by comparing the absorption of the A band measured in our laboratory with those calculated from the sets of line parameters determined by several workers, we have found (Tanaka et al., 1978) that the line strengths proposed by Miller et al. and the line half-widths by Giver et al. provide the most plausible set of line parameters. Then we take this opportunity of calculating accurately the atmospheric transmission functions for the red atmospheric bands on the basis of the above line parameters.

In this paper, a method is described by which the transmission functions were calculated over a wide range of temperatures, pressures and path lengths. The results of calculation are presented in detail in the tables.

## 2. Band structure

As shown by Mulliken (1928), the red atmospheric oxygen bands are the intercombination band arising from the magnetic dipole electronic transition between $^1\Sigma_g^+$ and $^3\Sigma_g^-$. The vibrational bands corresponding to the transition (0–0) centered at 7620Å, (1–0) at 6880Å and (2–0) at 6280Å in this band system are designated as A band, B band and $\gamma$ band, respectively. Since the transition $^1\Sigma_g^+ - ^3\Sigma_g^-$ is strictly forbidden by electric dipole selection rules, these oxygen bands are very weak in the normal sense. But as is known from the fact that this band system is clearly observed in the solar spectra obtained at sea level, the absorption due to these bands, especially due to the A band, is comparatively strong in the terrestrial atmosphere which involves a large amount of oxygen. The red atmospheric bands consist of two P-form branches ($^PQ$ and $^PP$, $\Delta K=-1$) and two R-form branches ($^RQ$ and $^RR$, $\Delta K=+1$) which can be account for by the magnetic dipole selection rules $\Delta J=0, \pm 1$ *with the restriction* $J=0 \not\leftrightarrow J=0$, $+\leftrightarrow+$, $-\leftrightarrow-$, $-\not\leftrightarrow+$. The corresponding transitions for the oxygen $O_2^{16}$ are in dicated in Fig. 1 by solid line. The broken-line circles refer to antisymmetric levels which are absent for the homonuclear molecule $O_2^{16}$ because of zero nuclear spin of $O_2^{16}$, but present in the minor isotopic molecules such as $O^{16}O^{17}$ and $O^{16}O^{18}$. Although several expressions on rotational energy of triplet-splitting levels of the $^3\Sigma_g^-$ ground state have been derived by Schlapp (1937), Tinkham and Strandberg (1955) and Watson (1968), the predictions of energy from these formulae are nearly identical. According to the theory developed by Schalpp, the rotational energies of the $^3\Sigma_g^-$ ground state associated with a given value of $K$ are expressed by the following formulae:

$$E_{J=K+1} = W+(2K+3)B-\lambda-[(2K+3)^2B^2+\lambda^2-2\lambda B]^{1/2}+\mu(K+1) \qquad (1)$$

$$E_{J=K} = W$$

$$E_{J=K-1} = W-(2K-1)B-\lambda+[(2K+3)^2B^2+\lambda^2-2\lambda B]^{1/2}-\mu K \qquad (3)$$

where $W$ is the rotational energy for the usual nonrigid rotator given by

$$W = BK(K+1)-DK^2(K+1)^2+\cdots, \qquad (4)$$

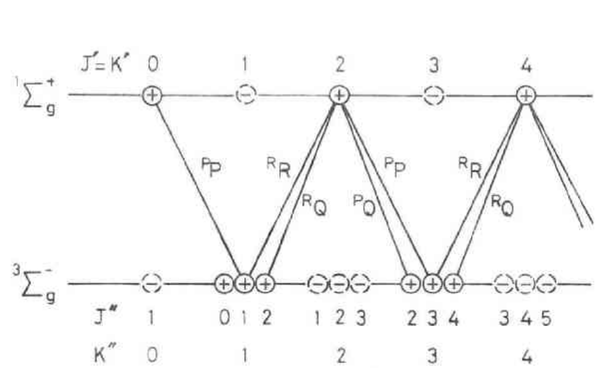


Fig. 1: Transitions in the red system of atmospheric oxygen bands of $O_2^{16}$. The broken-line circles refer to antisymmetric rotational levels which are absent for zero nuclear spin. Spectra of $O^{16}O^{17}$ and $O^{16}O^{18}$ contain additional transitions among these levels.

$B$ and $D$ are the rotational constants and $\lambda$ and $\mu$ are the splitting constants which represent a coupling of the spin to the internuclear axis and a magnetic coupling between the electron spin and the axis of rotation, respectively.

The molecular constants of three isotopic molecules, $O_2^{16}$, $O^{16}O^{17}$ and $O^{16}O^{18}$ in the states $^3\Sigma_g^-$ and $^1\Sigma_g^+$ have been determined accurately by Babcock and Herzberg (1948). The constants used in this calculation are summarized in Table 1. The values of $\nu_{i0}$ represent the center of each band. The molecular constants for $O_2^{16}$ contained in the table are taken from Babcock and Herzberg, and those for the minor isotopic molecules, $O^{16}O^{17}$ and $O^{16}O^{18}$, are obtained from the values of molecular constants for $O_2^{16}$ and the theoretical relations (Herzberg, 1950).

Table 1: Molecular constants of the three oxygen molecules.

| | $O_2^{16}$ | | $O^{16}O^{17}$ | | $O^{16}O^{18}$ | |
|---|---|---|---|---|---|---|
| | $^3\Sigma_g^{-1}$ | $^1\Sigma_g^+$ | $^3\Sigma_g^{-1}$ | $^1\Sigma_g^{+3}$ | $^3\Sigma_g^{-1}$ | $^1\Sigma_g^+$ |
| $B_0(cm^{-1})$ | 1. 43777 | 1. 39133 | 1. 39542 | 1. 35037 | 1. 35793 | 1. 31411 |
| $D_0(cm^{-1})$ | $4.913\times10^{-6}$ | $5.395\times10^{-6}$ | $4.628\times10^{-6}$ | $5.081\times10^{-6}$ | $4.382\times10^{-6}$ | $4.811\times10^{-6}$ |
| $\nu_{00}(cm^{-1})$ | | 13120. 908 | | 13122. 021 | | 13123. 019 |
| $B_1(cm^{-1})$ | | 1. 37306 | | 1. 33290 | | 1. 29735 |
| $D_1(cm^{-1})$ | | $5.472\times10^{-6}$ | | $5.153\times10^{-6}$ | | $4.879\times10^{-6}$ |
| $\nu_{10}(cm^{-1})$ | | 14525. 660 | | 14506. 281 | | 14488. 873 |
| $B_2(cm^{-1})$ | | 1. 35472 | | 1. 31537 | | 1. 28052 |
| $D_2(cm^{-1})$ | | $5.549\times10^{-6}$ | | $5.262\times10^{-6}$ | | $4.948\times10^{-6}$ |
| $\nu_{20}(cm^{-1})$ | | 15902. 416 | | 15863. 372 | | 15828. 291 |
| $\lambda(cm^{-1})$ | 1. 984 | | 1. 984 | | 1. 984 | |
| $\mu(cm^{-1})$ | −0. 00837 | | −0. 00790 | | −0. 00740 | |

## 3. Line parameters and details of calculation.

The mean transmission in the spectral interval $\nu_1\sim\nu_2$, $\tau$, is given by

$$\tau=\frac{1}{\nu_2-\nu_1}\int_{\nu_1}^{\nu_2}\exp\left(-\sum_i k_{\nu,i}u\right)d\nu\,. \tag{5}$$

Here $k_{\nu_i}$ is the absorption coefficient of the $i$th line at wavenumber $\nu$ and $u$ is the absorber thickness defined by

$$u=0.21pl\,\frac{273.15}{T} \tag{6}$$

where $0.21p$ is the partial pressure of the oxygen, $l$ is the geometrical pathlength and $T$ is the absolute temperature. The band limits adopted in this calculation are 13240 $cm^{-1}$–12905 $cm^{-1}$, 14625 $cm^{-1}$–14300 $cm^{-1}$ and 15980 $cm^{-1}$–15685 $cm^{-1}$ for the A, B and $\gamma$ bands, respectively. These band intervals are divided into subintervals with 5 $cm^{-1}$ width, and each subinterval into a lot of smaller intervals. Four-point Gaussian quadrature is applied over these smaller intervals and the resulting transmissions are averaged over each 5 $cm^{-1}$ subinterval and over the whole band interval. In order to get the transmission at each point, contributions from all lines of isotopic species,

$O_2^{16}$, $O^{16}O^{17}$ and $O^{16}O^{18}$, are taken into account, if their line strengths are greater than $10^{-7}$ times that of the strongest line of $O_2^{16}$ in each band. The details of the line parameters governing directly the calculated results will be discussed below.

The Lorentz and Doppler half-widths of the red atmospheric bands become comparable at the comparatively high pressure of about 0.35 atm, so that, over a wide range of pressures, the absorption coefficient $k_\nu$ is given by the mixed Doppler-Lorentz profile, i.e. Voigt profile, in the form

$$k_\nu = \frac{k_0 y}{\pi} \int_{-\infty}^{+\infty} \frac{\exp(-t)^2}{y^2+(x-t)^2}\, dt\,, \tag{7}$$

where $$k_0 = \frac{S}{\gamma_D}\left(\frac{ln\,2}{\pi}\right)^{1/2}, \quad y = \frac{\gamma_L}{\gamma_D}(ln\,2)^{1/2}, \quad x = \frac{(\nu-\nu_0)}{\gamma_D}(ln\,2)^{1/2}$$

and

$$\gamma_D = \frac{\nu_0}{c}\left(\frac{2kT\,ln\,2}{m}\right)^{1/2}.$$

It is well known that this profile reduces to the Lorentz profile given by

$$k_\nu = \frac{1}{\pi}\frac{S\gamma_L}{(\nu-\nu_0)^2+\gamma_L{}^2} \tag{8}$$

in the high pressure range where collision broadening predominates and to the Doppler profile given by

$$k_\nu = k_0 \exp(-x^2) \tag{9}$$

in the low pressure range where Doppler broadening surpasses collision broadening. Although the Voigt profile (i.e. Lorentz profile for stationary molecules) is subject to doubt as the shape factor of the oxygen line in the works of Adiks and Dianov-Klokov and Burch and Gryvank, our absorption measurement for the A band has provided a good confirmation on this profile. Thus the employment of the Voigt profile in calculating the transmission functions of the red atmospheric bands is expected to give satisfactory results. The integral (7) can not be evaluated analytically, so that the efficient numerical method developed by Drayson (1976) is adopted except for the far wing of each line; the wings of all lines whose line centers are more distant than 10 $cm^{-1}$ from each quadrature point are simply replaced by the Lorentz wing. This procedure reduces remarkably the computer time, while still retaining accurate wing effects.

The Lorentz half-width $\gamma_L$ is normally represented by

$$\gamma_L = \gamma_L^\circ P\left(\frac{273.15}{T}\right)^n, \tag{10}$$

$\gamma_L^\circ$ being the value of $\gamma_L$ at STP. For the atmosphere composed of 21% oxygen and 79% nitrogen, $\gamma_L$ is given by

$$\gamma_L = \left[0.21\gamma^0_{O_2-O_2}\left(\frac{273.15}{T}\right)^{n'} + 0.79\gamma^0_{O_2-N_2}\left(\frac{273.15}{T}\right)^{n''}\right]P_{tot} \tag{11}$$

where $P_{tot}$ is the total pressure and $\gamma_{O_2-O_2}{}^0$ and $\gamma_{O_2-N_2}{}^0$ are, respectively, the half-widths of the self-broadened and nitrogen-broadened oxygen line at STP. Since the temperature dependence of the half-widths of oxygen lines is not clarified yet, the same value of 0.5 is straightforwardly given to $n$, $n'$ and $n''$ according to the classical pressure-broadening theory. Miller, Giver and Boese (Miller et al., 1969; Giver et al.,

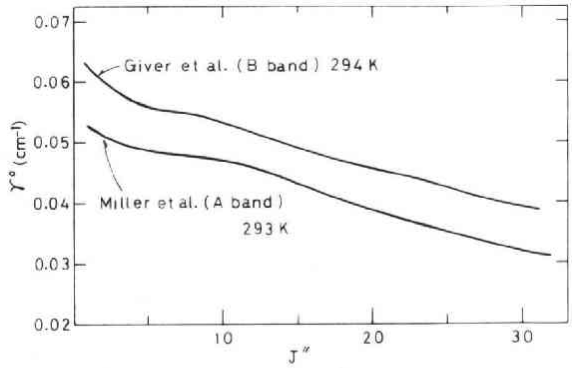


Fig. 2: Half-widths of self-broadened oxygen lines at 1 atm pressure. Giver et al''s results for the B band are given by upper curve. The results of Miller et al. for the A band are given by lower curve.

1974), who belong to the same study group, have measured the self-broadened half-widths of the oxygen A and B bands and found considerably different results for both bands as shown in Fig. 2. They have also found that there are no systematic differences between self-broadened and nitrogen-broadened half-widths. Since it is quite believable that the half-width is not so much different from band to band, the disagreement in their results is unlikely to be physically significant. In this connection, they have methioned in the paper for the B band (Giver et al., 1974) that this difference is probably attributable to the greater uncertainities included in their analysis of the half-widths for the A band, and that the half-widths for the B band are more precise than those for the A band. We have also made sure that their half-widths for the B band are most plausible as the selfbroadened as well as nitrogen-broadened widths of the oxygen lines. Therefore, we have adopted the self-broadened half-widths by Giver et al. as the half-widths of all oxygen bands. Unfortunately, their measurements of the half-width is limited up to $J''=25$ line. Accordingly, the half-widths of lines with $J''=25\sim40$ are obtained by the extrapolation from observed values, and the constant value of 0.033 cm$^{-1}$ (at 294 K) is assumed for lines with $J''\geq40$.

The strength of an individual line defined by

$$S_{J''}=\int_{-\infty}^{+\infty}k_\nu d\nu\,, \tag{12}$$

can be calculated from the band strength $S_v$ by the following relation:

$$S_{J''}=S_v\frac{F_{J''}}{Q_T}\exp\left(-hcE_{J''}/kT\right) \tag{13}$$

where $F_{J''}$ is the weighting function, $Q_T$ is the rotational partition function given by

$$Q_T = \sum_{J''} F_{J''} \exp(-hcE_{J''}/kT), \tag{14}$$

$E_{J''}$ is the rotational energy presented by Eqs (1), (2) and (3) and double primes denotes the lower energy state. The weighting function $F_{J''}$ have been obtained experimentally by Childs and Mecke (1931) and theoretically by Shclapp, Tinkham and Strandberg and Watson. The distribution of line strengths determined from the recent laboratory measurements (Adiks and Dianov-klokov; Burch and Gryvnak; Miller et al.; Galkin et al.; Giver et al.) indicates a good consistence with that derived from theoretical function rather than that from experimental function. Moreover, Miller et al., Glakin et al. and Giver et al. have shown that the differences of the line strengths predicted by each theoretical function are so small that the selection of correct weighting function for the oxygen band would be permitted to only exceptionally accurate measurement. Thus the Schalpp's weighting function presented in Table 2 is employed in this calculation.

Table 2: Types of lines and Schlapp's weighting function.

| | $J''$ | $\Delta K$ | $\Delta J$ | Weightjng function |
|---|---|---|---|---|
| $^PP$ | $K''$ | $-1$ | $-1$ | $\frac{1}{2}(J''+1)$ |
| $^PQ$ | $K''-1$ | $-1$ | 0 | $\frac{1}{2}(J''+0.75)$ |
| $^RQ$ | $K''+1$ | $+1$ | 0 | $\frac{1}{2}(J''+0.25)$ |
| $^RR$ | $K''$ | $+1$ | $+1$ | $\frac{1}{2}J''$ |

In employing Eq. (13), the band strength is the most important factor. Since the strength of the A band of $532\pm21$ cm$^{-1}$ km$^{-1}$atm$^{-1}$ STP determined by Miller et al. have been confirmed by us, this value is applied straightforwardly to Eq. (13). For the B and $\gamma$ bands, only a few measurements have been done so far, and the band strengths are not yet established firmly. In this study, we adopt the $40.8\pm0.6$ cm$^{-1}$km$^{-1}$atm$^{-1}$ STP and $1.52\pm0.07$ cm$^{-1}$km$^{-1}$atm$^{-1}$ STP for the B and $\gamma$ bands, which were determined by Giver et al. and Miller et al. (1976), respectively, under laboratory conditions. These authors have used the same experimental procedure in a series of investigations on the red atmospheric bands, and more accurate method of data analysis has been employed for these two bands than for the A bands.

The disagreement of the experimental line strengths and those calculated on the bases of Eq. (13) and theoretical weighting function, whose possible cause may be attributed to the effect of vibration-rotation interaction excluded from Eq. (13), has been recognized by Miller et al., but completely denied by Galkin et al. Since no significant differences have been found in earlier comparisons of spectra for the A band (Tanaka et al.), this disagreement if it exists would affect little the calculated transmission functions of the A band. However, if Miller et al.'s suggestion of an increasing vibration-rotation interaction for the higher vibrational levels in the $^1\Sigma_g^+$ upper state is true, the transmission functions for the $\gamma$ band, especially those for 5 $cm^{-1}$ interval, would include some systematic errors.

## 4. Calculated results

The condition of the absorption path under which transmissions have been performed by the method described in the previous section is shown in Table 3. The temperature T, total air pressure P and path length L are given in units of K, atm and km, respectively. The absrober thicknesses can be easily obtained by Eq. (6) in unit of atm km.

Table 3: Temperatures, pressures and path lengths of tabulated transmission functions.

| $T$(K) | $P$(atm) | $L$(km) |
|---|---|---|
| 300 | 1.0 | 50.0 |
| 250 | 0.75 | 20.0 |
| 200 | 0.5 | 10.0 |
| | 0.35 | 5.0 |
| | 0.2 | 2.0 |
| | 0.1 | 1.0 |
| | 0.05 | 0.5 |
| | 0.02 | 0.2 |
| | 0.01 | |

The calculated transmission functions are made an entry in Tables 4, 5 and 6 which correspond to the A, B and $\gamma$ bands, respectively. The wavenumbers CWN listed in the tables refer to the center of the 5 $cm^{-1}$ interval. For economy, some results of the 5 $cm^{-1}$ interval near the band wings and all results of $\gamma$ band for the pressure less than 0.02 atm, which are nearly equal to 1.0, are not shown in the tables. The transmission functions for the whole bands are represented in the lowest part of each table.

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Table 4–1: Transmission functions for the A band at 300 K, averaged over 5 cm$^{-1}$ intervals and over the whole band interval.

| CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| [illegible] | | | | | | | | | | | | | | | | | |
| 13197.5 | 0.9583 | 0.9831 | 0.9915 | 0.9957 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 13077.5 | 0.0444 | 0.1564 | 0.2807 | 0.4415 | 0.6186 | 0.7238 | 0.8033 | 0.8805 |
| 13192.5 | 0.9489 | 0.9792 | 0.9896 | 0.9948 | 0.9979 | 0.9990 | 0.9995 | 0.9998 | 13072.5 | 0.3326 | 0.5840 | 0.7267 | 0.8240 | 0.9030 | 0.9309 | 0.9630 | 0.9822 |
| 13187.5 | 0.9356 | 0.9737 | 0.9868 | 0.9934 | 0.9973 | 0.9987 | 0.9993 | 0.9997 | 13067.5 | 0.1898 | 0.3458 | 0.4726 | 0.5894 | 0.7117 | 0.7866 | 0.8454 | 0.9076 |
| 13182.5 | 0.9154 | 0.9653 | 0.9825 | 0.9912 | 0.9965 | 0.9982 | 0.9991 | 0.9997 | 13062.5 | 0.3169 | 0.5092 | 0.6417 | 0.7461 | 0.8432 | 0.8921 | 0.9268 | 0.9591 |
| 13177.5 | 0.8814 | 0.9507 | 0.9751 | 0.9874 | 0.9950 | 0.9975 | 0.9987 | 0.9995 | 13057.5 | 0.4484 | 0.6115 | 0.7071 | 0.7828 | 0.8571 | 0.8980 | 0.9288 | 0.9588 |
| 13172.5 | 0.8152 | 0.9214 | 0.9599 | 0.9797 | 0.9918 | 0.9959 | 0.9980 | 0.9992 | 13052.5 | 0.2623 | 0.4295 | 0.5545 | 0.6645 | 0.7784 | 0.8423 | 0.8918 | 0.9406 |
| 13167.5 | 0.5822 | 0.7602 | 0.8419 | 0.8934 | 0.9428 | 0.9666 | 0.9817 | 0.9922 | 13047.5 | 0.7039 | 0.8516 | 0.9185 | 0.9569 | 0.9821 | 0.9910 | 0.9954 | 0.9982 |
| 13162.5 | 0.0028 | 0.0405 | 0.1209 | 0.2720 | 0.4896 | 0.6403 | 0.7633 | 0.8787 | 13042.5 | 0.2935 | 0.4855 | 0.6140 | 0.7184 | 0.8198 | 0.8748 | 0.9175 | 0.9575 |
| 13157.5 | 0.0028 | 0.0606 | 0.1868 | 0.3498 | 0.5469 | 0.6631 | 0.7567 | 0.8502 | 13037.5 | 0.8550 | 0.9385 | 0.9686 | 0.9842 | 0.9936 | 0.9968 | 0.9984 | 0.9994 |
| 13152.5 | 0.0004 | 0.0179 | 0.0766 | 0.1838 | 0.3703 | 0.5131 | 0.6398 | 0.7732 | 13032.5 | 0.4055 | 0.5882 | 0.6900 | 0.7641 | 0.8648 | 0.9100 | 0.9440 | 0.9732 |
| 13147.5 | 0.0001 | 0.0142 | 0.0838 | 0.2280 | 0.4600 | 0.6133 | 0.7374 | 0.8415 | 13027.5 | 0.9208 | 0.9674 | 0.9836 | 0.9917 | 0.9967 | 0.9983 | 0.9992 | 0.9997 |
| 13142.5 | 0.0001 | 0.0091 | 0.0611 | 0.1792 | 0.3865 | 0.5356 | 0.6610 | 0.7873 | 13022.5 | 0.5292 | 0.6858 | 0.7744 | 0.8408 | 0.9043 | 0.9396 | 0.9647 | 0.9839 |
| 13137.5 | 0.0035 | 0.0400 | 0.1471 | 0.3113 | 0.5311 | 0.6638 | 0.7660 | 0.8580 | 13017.5 | 0.9552 | 0.9810 | 0.9904 | 0.9952 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 13132.5 | 0.0158 | 0.1397 | 0.2510 | 0.4146 | 0.6069 | 0.7181 | 0.8028 | 0.8841 | 13012.5 | 0.6529 | 0.7738 | 0.8398 | 0.8907 | 0.9384 | 0.9638 | 0.9797 | 0.9904 |
| 13127.5 | 0.0807 | 0.2501 | 0.4125 | 0.5635 | 0.7189 | 0.8044 | 0.8680 | 0.9301 | 13007.5 | 0.9663 | 0.9863 | 0.9931 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 13122.5 | 0.6265 | 0.8274 | 0.9096 | 0.9537 | 0.9812 | 0.9906 | 0.9953 | 0.9981 | 13002.5 | 0.8119 | 0.8846 | 0.9241 | 0.9528 | 0.9770 | 0.9872 | 0.9924 | 0.9969 |
| 13117.5 | 0.1831 | 0.4207 | 0.5839 | 0.7092 | 0.8221 | 0.8788 | 0.9193 | 0.9560 | 12997.5 | 0.9173 | 0.9481 | 0.9653 | 0.9750 | 0.9866 | 0.9921 | 0.9949 | 0.9979 |
| 13112.5 | 0.0331 | 0.1501 | 0.2931 | 0.4474 | 0.6263 | 0.7309 | 0.8119 | 0.8903 | 12992.5 | 0.9110 | 0.9473 | 0.9662 | 0.9798 | 0.9905 | 0.9943 | 0.9971 | 0.9988 |
| 13107.5 | 0.0483 | 0.1573 | 0.2780 | 0.4167 | 0.5895 | 0.6969 | 0.7873 | 0.8670 | 12987.5 | 0.9051 | 0.9442 | 0.9644 | 0.9787 | 0.9900 | 0.9941 | 0.9970 | 0.9988 |
| 13102.5 | 0.0783 | 0.2664 | 0.4357 | 0.5868 | 0.7360 | 0.8137 | 0.8734 | 0.9254 | 12982.5 | 0.9914 | 0.9966 | 0.9983 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13097.5 | 0.0913 | 0.2762 | 0.4351 | 0.5812 | 0.7303 | 0.8106 | 0.8689 | 0.9201 | 12977.5 | 0.8871 | 0.9371 | 0.9627 | 0.9791 | 0.9900 | 0.9940 | 0.9974 | 0.9990 |
| 13092.5 | 0.0170 | 0.0990 | 0.2181 | 0.3667 | 0.5570 | 0.6750 | 0.7668 | 0.8550 | 12972.5 | 0.9959 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 0.9990 | 0.9999 | 1.0000 |
| 13087.5 | 0.1351 | 0.3581 | 0.4929 | 0.6236 | 0.7468 | 0.8201 | 0.8751 | 0.9268 | 12967.5 | 0.9182 | 0.9882 | 0.9924 | 0.9897 | 0.9858 | 0.9979 | 0.9989 | 0.9996 |
| 13082.5 | 0.1873 | 0.3927 | 0.5311 | 0.6631 | 0.7580 | 0.8260 | 0.8751 | 0.9268 | 12962.5 | 0.9922 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| | | | | | | | | | BAND | 0.6353 | 0.7080 | 0.7633 | 0.8165 | 0.8742 | 0.9115 | 0.9383 | 0.9630 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 13197.5 | 0.9763 | 0.9905 | 0.9952 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 13077.5 | 0.1042 | 0.2662 | 0.4134 | 0.5557 | 0.7066 | 0.7883 | 0.8499 | 0.9193 |
| 13192.5 | 0.9709 | 0.9883 | 0.9941 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 13072.5 | 0.4931 | 0.7028 | 0.8079 | 0.8772 | 0.9330 | 0.9586 | 0.9754 | 0.9886 |
| 13187.5 | 0.9633 | 0.9851 | 0.9925 | 0.9963 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 13067.5 | 0.2832 | 0.4490 | 0.5691 | 0.6690 | 0.7706 | 0.8327 | 0.8814 | 0.9291 |
| 13182.5 | 0.9515 | 0.9803 | 0.9901 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 13062.5 | 0.4355 | 0.6160 | 0.7278 | 0.8102 | 0.8833 | 0.9191 | 0.9452 | 0.9692 |
| 13177.5 | 0.9314 | 0.9720 | 0.9859 | 0.9929 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 13057.5 | 0.5539 | 0.6899 | 0.7695 | 0.8312 | 0.8904 | 0.9221 | 0.9455 | 0.9684 |
| 13172.5 | 0.8913 | 0.9550 | 0.9772 | 0.9886 | 0.9954 | 0.9977 | 0.9989 | 0.9995 | 13052.5 | 0.3644 | 0.5324 | 0.6456 | 0.7381 | 0.8206 | 0.8701 | 0.9172 | 0.9547 |
| 13167.5 | 0.7045 | 0.8296 | 0.8857 | 0.9234 | 0.9582 | 0.9759 | 0.9869 | 0.9945 | 13047.5 | 0.8031 | 0.9077 | 0.9510 | 0.9747 | 0.9897 | 0.9948 | 0.9974 | 0.9990 |
| 13162.5 | 0.0171 | 0.1068 | 0.2367 | 0.3931 | 0.5948 | 0.7108 | 0.8173 | 0.9071 | 13042.5 | 0.4124 | 0.5917 | 0.7005 | 0.7840 | 0.8623 | 0.9041 | 0.9368 | 0.9678 |
| 13157.5 | 0.0246 | 0.1570 | 0.3181 | 0.4758 | 0.6419 | 0.7358 | 0.8049 | 0.8845 | 13037.5 | 0.9126 | 0.9638 | 0.9817 | 0.9908 | 0.9963 | 0.9982 | 0.9991 | 0.9996 |
| 13152.5 | 0.0058 | 0.0620 | 0.1606 | 0.2952 | 0.4857 | 0.6132 | 0.7161 | 0.8256 | 13032.5 | 0.5225 | 0.6801 | 0.7681 | 0.8354 | 0.8972 | 0.9316 | 0.9573 | 0.9796 |
| 13147.5 | 0.0035 | 0.0645 | 0.1962 | 0.3707 | 0.5862 | 0.7110 | 0.8016 | 0.8822 | 13027.5 | 0.9535 | 0.9811 | 0.9905 | 0.9952 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 13142.5 | 0.0020 | 0.0466 | 0.1522 | 0.3039 | 0.5081 | 0.6370 | 0.7386 | 0.8366 | 13022.5 | 0.6315 | 0.7591 | 0.8281 | 0.8787 | 0.9272 | 0.9538 | 0.9733 | 0.9878 |
| 13137.5 | 0.0146 | 0.1210 | 0.2776 | 0.4499 | 0.6405 | 0.7455 | 0.8224 | 0.8930 | 13017.5 | 0.9728 | 0.9890 | 0.9945 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 13132.5 | 0.0594 | 0.2207 | 0.3838 | 0.5379 | 0.6979 | 0.7859 | 0.8505 | 0.9122 | 13012.5 | 0.7318 | 0.8274 | 0.8781 | 0.9160 | 0.9551 | 0.9724 | 0.9845 | 0.9925 |
| 13127.5 | 0.1758 | 0.3855 | 0.5377 | 0.6644 | 0.7866 | 0.8516 | 0.9007 | 0.9470 | 13007.5 | 0.9805 | 0.9921 | 0.9961 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13122.5 | 0.7659 | 0.8978 | 0.9474 | 0.9733 | 0.9892 | 0.9946 | 0.9973 | 0.9989 | 13002.5 | 0.8584 | 0.9156 | 0.9448 | 0.9657 | 0.9832 | 0.9906 | 0.9942 | 0.9976 |
| 13117.5 | 0.3270 | 0.5548 | 0.6878 | 0.7836 | 0.8680 | 0.9097 | 0.9358 | 0.9677 | 12997.5 | 0.9378 | 0.9599 | 0.9710 | 0.9800 | 0.9892 | 0.9936 | 0.9958 | 0.9983 |
| 13112.5 | 0.0926 | 0.2642 | 0.4184 | 0.5614 | 0.7113 | 0.7946 | 0.8568 | 0.9170 | 12992.5 | 0.9340 | 0.9602 | 0.9744 | 0.9846 | 0.9927 | 0.9955 | 0.9977 | 0.9991 |
| 13107.5 | 0.1084 | 0.2541 | 0.3908 | 0.5266 | 0.6777 | 0.7658 | 0.8354 | 0.8990 | 12987.5 | 0.9301 | 0.9584 | 0.9733 | 0.9839 | 0.9923 | 0.9954 | 0.9976 | 0.9990 |
| 13102.5 | 0.1855 | 0.4042 | 0.5603 | 0.6847 | 0.8022 | 0.8631 | 0.9040 | 0.9444 | 12982.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13097.5 | 0.1965 | 0.4057 | 0.5549 | 0.6790 | 0.7970 | 0.8582 | 0.9012 | 0.9396 | 12977.5 | 0.9150 | 0.9526 | 0.9719 | 0.9842 | 0.9924 | 0.9961 | 0.9980 | 0.9992 |
| 13092.5 | 0.0568 | 0.1935 | 0.3389 | 0.4885 | 0.6546 | 0.7502 | 0.8216 | 0.8890 | 12972.5 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13087.5 | 0.2563 | 0.4655 | 0.6017 | 0.7068 | 0.8076 | 0.8648 | 0.9075 | 0.9459 | 12967.5 | 0.9531 | 0.9766 | 0.9867 | 0.9920 | 0.9967 | 0.9983 | 0.9992 | 0.9997 |
| 13082.5 | 0.3124 | 0.5058 | 0.6230 | 0.7166 | 0.8139 | 0.8685 | 0.9084 | 0.9451 | 12962.5 | 0.9956 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.6797 | 0.7326 | 0.8063 | 0.8542 | 0.9062 | 0.9372 | 0.9531 | 0.9726 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 13197.5 | 0.9894 | 0.9957 | 0.9979 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 13077.5 | 0.2398 | 0.4365 | 0.5749 | 0.6885 | 0.7976 | 0.8552 | 0.8979 | 0.9380 |
| 13192.5 | 0.9870 | 0.9948 | 0.9974 | 0.9987 | 0.9995 | 0.9997 | 0.9998 | 0.9999 | 13072.5 | 0.6773 | 0.8184 | 0.8842 | 0.9267 | 0.9610 | 0.9767 | 0.9868 | 0.9942 |
| 13187.5 | 0.9835 | 0.9934 | 0.9967 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 13067.5 | 0.4268 | 0.5852 | 0.6818 | 0.7570 | 0.8303 | 0.8850 | 0.9182 | 0.9508 |
| 13182.5 | 0.9781 | 0.9912 | 0.9956 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 13062.5 | 0.5940 | 0.7398 | 0.8191 | 0.8748 | 0.9227 | 0.9464 | 0.9631 | 0.9791 |
| 13177.5 | 0.9689 | 0.9874 | 0.9937 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 13057.5 | 0.6736 | 0.7789 | 0.8385 | 0.8834 | 0.9250 | 0.9465 | 0.9624 | 0.9782 |
| 13172.5 | 0.9501 | 0.9797 | 0.9898 | 0.9949 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 13052.5 | 0.5118 | 0.6611 | 0.7500 | 0.8185 | 0.8827 | 0.9168 | 0.9429 | 0.9691 |
| 13167.5 | 0.8182 | 0.8916 | 0.9252 | 0.9493 | 0.9727 | 0.9846 | 0.9918 | 0.9966 | 13047.5 | 0.8969 | 0.9548 | 0.9767 | 0.9882 | 0.9952 | 0.9976 | 0.9988 | 0.9995 |
| 13162.5 | 0.0852 | 0.2692 | 0.4040 | 0.5529 | 0.7131 | 0.8038 | 0.8738 | 0.9362 | 13042.5 | 0.5700 | 0.7161 | 0.7938 | 0.8521 | 0.9055 | 0.9341 | 0.9569 | 0.9782 |
| 13157.5 | 0.1312 | 0.3402 | 0.4953 | 0.6216 | 0.7453 | 0.8159 | 0.8681 | 0.9184 | 13037.5 | 0.5570 | 0.9820 | 0.9974 | 0.9957 | 0.9983 | 0.9991 | 0.9998 | 0.9998 |
| 13152.5 | 0.3467 | 0.5785 | 0.7157 | 0.8602 | 0.8276 | 0.7268 | 0.9035 | 0.8795 | 13032.5 | 0.4620 | 0.7798 | 0.8423 | 0.8876 | 0.9297 | 0.9550 | 0.9707 | 0.9857 |
| 13147.5 | 0.3484 | 0.2193 | 0.3951 | 0.5596 | 0.7251 | 0.8101 | 0.8684 | 0.9215 | 13027.5 | 0.9781 | 0.9905 | 0.9934 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 13142.5 | 0.3345 | 0.1721 | 0.3263 | 0.4820 | 0.6523 | 0.7606 | 0.8402 | 0.8870 | 13022.5 | 0.7448 | 0.8556 | 0.8828 | 0.9170 | 0.9488 | 0.9667 | 0.9820 | 0.9917 |
| 13137.5 | 0.0977 | 0.3017 | 0.4718 | 0.6175 | 0.7588 | 0.8251 | 0.8891 | 0.9280 | 13017.5 | 0.9952 | 0.9998 | 0.9974 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 13132.5 | 0.1025 | 0.4056 | 0.5570 | 0.6786 | 0.7647 | 0.8349 | 0.8994 | 0.9402 | 13012.5 | 0.8164 | 0.8824 | 0.8826 | 0.9423 | 0.9479 | 0.9812 | 0.9894 | 0.9949 |
| 13127.5 | 0.3570 | 0.5526 | 0.6807 | 0.7220 | 0.8552 | 0.8001 | 0.9324 | 0.9662 | 13007.5 | 0.9910 | 0.9944 | 0.9982 | 0.9991 | 0.9998 | 0.9998 | 0.9999 | 1.0000 |
| 13122.5 | 0.8857 | 0.9523 | 0.9757 | 0.9878 | 0.9951 | 0.9971 | 0.9988 | 0.9995 | 13002.5 | 0.9081 | 0.9441 | 0.9667 | 0.9779 | 0.9891 | 0.9938 | 0.9961 | 0.9984 |
| 13117.5 | 0.5260 | 0.7013 | 0.7935 | 0.8552 | 0.9000 | 0.9274 | 0.9501 | 0.9782 | 12997.5 | 0.9575 | 0.9711 | 0.9784 | 0.9852 | 0.9921 | 0.9956 | 0.9969 | 0.9987 |
| 13112.5 | 0.2371 | 0.4430 | 0.5769 | 0.6927 | 0.8025 | 0.8603 | 0.9024 | 0.9435 | 12992.5 | 0.9556 | 0.9728 | 0.9825 | 0.9886 | 0.9950 | 0.9969 | 0.9976 | 0.9994 |
| 13107.5 | 0.2323 | 0.4125 | 0.5455 | 0.6507 | 0.7756 | 0.8502 | 0.8844 | 0.9312 | 12987.5 | 0.9532 | 0.9710 | 0.9814 | 0.9890 | 0.9947 | 0.9967 | 0.9983 | 0.9993 |
| 13102.5 | 0.5726 | 0.5831 | 0.6904 | 0.7888 | 0.8697 | 0.9100 | 0.9361 | 0.9627 | 12982.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.3755 | 0.5746 | 0.6935 | 0.7835 | 0.8651 | 0.9054 | 0.9315 | 0.9598 | 12977.5 | 0.9626 | 0.9678 | 0.9877 | 0.9894 | 0.9950 | 0.9976 | 0.9987 | 0.9993 |
| 13092.5 | 0.1709 | 0.3630 | 0.5103 | 0.6357 | 0.7614 | 0.8266 | 0.8725 | 0.9235 | 12972.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.4367 | 0.6120 | 0.7195 | 0.7957 | 0.8714 | 0.9114 | 0.9306 | 0.9643 | 12967.5 | 0.8678 | 0.9840 | 0.9000 | 0.9944 | 0.9978 | 0.9980 | 0.9994 | 0.9998 |
| 13082.5 | 0.4766 | 0.6361 | 0.7275 | 0.8058 | 0.8765 | 0.9123 | 0.9307 | 0.9612 | 12962.5 | 0.9989 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.7423 | 0.8131 | 0.8596 | 0.8974 | 0.9343 | 0.9559 | 0.9683 | 0.9814 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 13197.5 | 0.9948 | 0.9979 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 13077.5 | 0.3800 | 0.5762 | 0.6807 | 0.7758 | 0.8531 | 0.8968 | 0.9267 | 0.9551 |
| 13192.5 | 0.9936 | 0.9974 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 13072.5 | 0.7891 | 0.8833 | 0.9264 | 0.9541 | 0.9766 | 0.9866 | 0.9928 | 0.9970 |
| 13187.5 | 0.9919 | 0.9967 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 13067.5 | 0.5501 | 0.6822 | 0.7584 | 0.8219 | 0.8847 | 0.9168 | 0.9403 | 0.9640 |
| 13182.5 | 0.9892 | 0.9957 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 13062.5 | 0.7092 | 0.8186 | 0.8745 | 0.9128 | 0.9458 | 0.9619 | 0.9735 | 0.9850 |
| 13177.5 | 0.9846 | 0.9938 | 0.9969 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 13057.5 | 0.7564 | 0.8387 | 0.8836 | 0.9165 | 0.9441 | 0.9613 | 0.9726 | 0.9842 |
| 13172.5 | 0.9752 | 0.9900 | 0.9950 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 13052.5 | 0.6296 | 0.7510 | 0.8190 | 0.8692 | 0.9114 | 0.9396 | 0.9587 | 0.9779 |
| 13167.5 | 0.8784 | 0.9246 | 0.9469 | 0.9640 | 0.9811 | 0.9895 | 0.9941 | 0.9977 | 13047.5 | 0.9440 | 0.9766 | 0.9880 | 0.9940 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |
| 13162.5 | 0.2012 | 0.3979 | 0.5435 | 0.6687 | 0.7886 | 0.8558 | 0.9074 | 0.9542 | 13042.5 | 0.6842 | 0.7944 | 0.8521 | 0.8938 | 0.9313 | 0.9524 | 0.9690 | 0.9848 |
| 13157.5 | 0.2849 | 0.4942 | 0.6210 | 0.7187 | 0.8127 | 0.8629 | 0.9010 | 0.9411 | 13037.5 | 0.9780 | 0.9911 | 0.9955 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 13152.5 | 0.1407 | 0.3164 | 0.4606 | 0.5905 | 0.7260 | 0.8009 | 0.8571 | 0.9124 | 13032.5 | 0.7559 | 0.8426 | 0.8872 | 0.9194 | 0.9489 | 0.9658 | 0.9788 | 0.9897 |
| 13147.5 | 0.1667 | 0.3910 | 0.5595 | 0.6906 | 0.8102 | 0.8687 | 0.9084 | 0.9444 | 13027.5 | 0.9887 | 0.9956 | 0.9977 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 13142.5 | 0.1289 | 0.3275 | 0.4824 | 0.6156 | 0.7477 | 0.8178 | 0.8680 | 0.9178 | 13022.5 | 0.8176 | 0.8828 | 0.9158 | 0.9398 | 0.9639 | 0.9776 | 0.9872 | 0.9941 |
| 13137.5 | 0.2453 | 0.4719 | 0.6169 | 0.7279 | 0.8287 | 0.8791 | 0.9152 | 0.9484 | 13017.5 | 0.9934 | 0.9974 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13132.5 | 0.3527 | 0.5564 | 0.6785 | 0.7705 | 0.8561 | 0.8967 | 0.9271 | 0.9570 | 13012.5 | 0.8690 | 0.9136 | 0.9396 | 0.9581 | 0.9749 | 0.9866 | 0.9925 | 0.9964 |
| 13127.5 | 0.5170 | 0.6826 | 0.7720 | 0.8378 | 0.8968 | 0.9281 | 0.9510 | 0.9747 | 13007.5 | 0.9955 | 0.9982 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13122.5 | 0.9408 | 0.9735 | 0.9876 | 0.9938 | 0.9973 | 0.9988 | 0.9994 | 0.9998 | 13002.5 | 0.9382 | 0.9634 | 0.9757 | 0.9848 | 0.9928 | 0.9958 | 0.9973 | 0.9986 |
| 13117.5 | 0.6645 | 0.7923 | 0.8570 | 0.9011 | 0.9390 | 0.9577 | 0.9714 | 0.9844 | 12997.5 | 0.9681 | 0.9776 | 0.9832 | 0.9884 | 0.9940 | 0.9966 | 0.9978 | 0.9991 |
| 13112.5 | 0.3914 | 0.5795 | 0.6925 | 0.7792 | 0.8593 | 0.9008 | 0.9304 | 0.9596 | 12992.5 | 0.9681 | 0.9803 | 0.9874 | 0.9926 | 0.9965 | 0.9979 | 0.9989 | 0.9996 |
| 13107.5 | 0.3602 | 0.5470 | 0.6607 | 0.7515 | 0.8389 | 0.8851 | 0.9187 | 0.9507 | 12987.5 | 0.9671 | 0.9797 | 0.9869 | 0.9921 | 0.9962 | 0.9976 | 0.9988 | 0.9995 |
| 13102.5 | 0.5339 | 0.6907 | 0.7888 | 0.8535 | 0.9099 | 0.9375 | 0.9564 | 0.9732 | 12982.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.5287 | 0.6942 | 0.7837 | 0.8487 | 0.9056 | 0.9330 | 0.9521 | 0.9704 | 12977.5 | 0.9586 | 0.9770 | 0.9866 | 0.9925 | 0.9965 | 0.9982 | 0.9991 | 0.9996 |
| 13092.5 | 0.1157 | 0.5125 | 0.6375 | 0.7361 | 0.8287 | 0.8767 | 0.9111 | 0.9446 | 12972.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.5806 | 0.7200 | 0.7961 | 0.8558 | 0.9116 | 0.9392 | 0.9580 | 0.9749 | 12967.5 | 0.9768 | 0.9886 | 0.9936 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 13082.5 | 0.6007 | 0.7265 | 0.8015 | 0.8592 | 0.9122 | 0.9385 | 0.9566 | 0.9737 | 12962.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.7866 | 0.8594 | 0.8971 | 0.9241 | 0.9531 | 0.9671 | 0.9771 | 0.9866 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 13197.5 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.6074 | 0.7631 | 0.8152 | 0.8673 | 0.9145 | 0.9378 | 0.9547 | 0.9722 |
| 13192.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.8938 | 0.9426 | 0.9649 | 0.9793 | 0.9904 | 0.9949 | 0.9974 | 0.9989 |
| 13187.5 | 0.9973 | 0.9989 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 13067.5 | 0.7032 | 0.7969 | 0.8528 | 0.8939 | 0.9300 | 0.9482 | 0.9622 | 0.9776 |
| 13182.5 | 0.9965 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 13062.5 | 0.8343 | 0.8976 | 0.9289 | 0.9500 | 0.9679 | 0.9768 | 0.9837 | 0.9911 |
| 13177.5 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 13057.5 | 0.8513 | 0.9040 | 0.9311 | 0.9502 | 0.9672 | 0.9760 | 0.9830 | 0.9906 |
| 13172.5 | 0.9918 | 0.9967 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 13052.5 | 0.7713 | 0.8503 | 0.8917 | 0.9214 | 0.9480 | 0.9626 | 0.9748 | 0.9872 |
| 13167.5 | 0.9306 | 0.9544 | 0.9676 | 0.9785 | 0.9892 | 0.9941 | 0.9970 | 0.9988 | 13047.5 | 0.9795 | 0.9916 | 0.9958 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13162.5 | 0.4290 | 0.6048 | 0.7098 | 0.7899 | 0.8660 | 0.9096 | 0.9454 | 0.9729 | 13042.5 | 0.8115 | 0.8779 | 0.9135 | 0.9356 | 0.9578 | 0.9707 | 0.9814 | 0.9910 |
| 13157.5 | 0.5248 | 0.6781 | 0.7625 | 0.8256 | 0.8827 | 0.9126 | 0.9368 | 0.9638 | 13037.5 | 0.9920 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13152.5 | 0.3519 | 0.5369 | 0.6540 | 0.7461 | 0.8330 | 0.8783 | 0.9114 | 0.9455 | 13032.5 | 0.8556 | 0.9068 | 0.9321 | 0.9503 | 0.9680 | 0.9789 | 0.9872 | 0.9938 |
| 13147.5 | 0.4355 | 0.6376 | 0.7489 | 0.8267 | 0.8923 | 0.9260 | 0.9458 | 0.9665 | 13027.5 | 0.9958 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13142.5 | 0.3675 | 0.5626 | 0.6796 | 0.7676 | 0.8481 | 0.8886 | 0.9193 | 0.9494 | 13022.5 | 0.8827 | 0.9295 | 0.9482 | 0.9627 | 0.9780 | 0.9867 | 0.9925 | 0.9966 |
| 13137.5 | 0.5088 | 0.6835 | 0.7763 | 0.8424 | 0.9002 | 0.9288 | 0.9498 | 0.9684 | 13017.5 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13132.5 | 0.5882 | 0.7332 | 0.8107 | 0.8655 | 0.9138 | 0.9379 | 0.9554 | 0.9738 | 13012.5 | 0.9219 | 0.9483 | 0.9623 | 0.9740 | 0.9862 | 0.9922 | 0.9957 | 0.9980 |
| 13127.5 | 0.7107 | 0.8141 | 0.8666 | 0.9043 | 0.9384 | 0.9568 | 0.9714 | 0.9854 | 13007.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9792 | 0.9916 | 0.9957 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 13002.5 | 0.9661 | 0.9789 | 0.9859 | 0.9914 | 0.9959 | 0.9977 | 0.9986 | 0.9994 |
| 13117.5 | 0.8096 | 0.8830 | 0.9191 | 0.9435 | 0.9643 | 0.9746 | 0.9827 | 0.9907 | 12997.5 | 0.9786 | 0.9842 | 0.9886 | 0.9926 | 0.9963 | 0.9979 | 0.9987 | 0.9995 |
| 13112.5 | 0.6098 | 0.7449 | 0.8176 | 0.8702 | 0.9170 | 0.9403 | 0.9577 | 0.9756 | 12992.5 | 0.9802 | 0.9879 | 0.9926 | 0.9958 | 0.9981 | 0.9988 | 0.9994 | 0.9998 |
| 13107.5 | 0.5803 | 0.7176 | 0.7960 | 0.8519 | 0.9048 | 0.9313 | 0.9508 | 0.9700 | 12987.5 | 0.9796 | 0.9874 | 0.9920 | 0.9952 | 0.9977 | 0.9986 | 0.9993 | 0.9997 |
| 13102.5 | 0.7238 | 0.8246 | 0.8811 | 0.9177 | 0.9489 | 0.9635 | 0.9739 | 0.9831 | 12982.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.7180 | 0.8237 | 0.8768 | 0.9134 | 0.9467 | 0.9604 | 0.9713 | 0.9820 | 12977.5 | 0.9744 | 0.9863 | 0.9922 | 0.9957 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 13092.5 | 0.5485 | 0.6987 | 0.7819 | 0.8427 | 0.8975 | 0.9256 | 0.9458 | 0.9666 | 12972.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.7404 | 0.8325 | 0.8835 | 0.9197 | 0.9505 | 0.9652 | 0.9755 | 0.9849 | 12967.5 | 0.9861 | 0.9934 | 0.9963 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13082.5 | 0.7445 | 0.8355 | 0.8846 | 0.9194 | 0.9494 | 0.9640 | 0.9743 | 0.9836 | 12962.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8692 | 0.9141 | 0.9385 | 0.9562 | 0.9721 | 0.9802 | 0.9861 | 0.9919 |

| CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.7909 | 0.8656 | 0.9035 | 0.9297 | 0.9520 | 0.9637 | 0.9733 | 0.9841 |
| 13192.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9558 | 0.9780 | 0.9876 | 0.9933 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 13187.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.8342 | 0.8926 | 0.9215 | 0.9414 | 0.9590 | 0.9689 | 0.9776 | 0.9873 |
| 13182.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9181 | 0.9481 | 0.9635 | 0.9730 | 0.9816 | 0.9866 | 0.9910 | 0.9954 |
| 13177.5 | 0.9987 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9222 | 0.9495 | 0.9631 | 0.9724 | 0.9810 | 0.9861 | 0.9907 | 0.9953 |
| 13172.5 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.8786 | 0.9202 | 0.9409 | 0.9555 | 0.9687 | 0.9767 | 0.9866 | 0.9937 |
| 13167.5 | 0.9608 | 0.9736 | 0.9816 | 0.9883 | 0.9943 | 0.9971 | 0.9984 | 0.9994 | 13047.5 | 0.9960 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13162.5 | 0.6602 | 0.7698 | 0.8260 | 0.8738 | 0.9206 | 0.9484 | 0.9481 | 0.9850 | 13042.5 | 0.9004 | 0.9341 | 0.9508 | 0.9629 | 0.9744 | 0.9816 | 0.9901 | 0.9935 |
| 13157.5 | 0.7203 | 0.8207 | 0.8674 | 0.8999 | 0.9291 | 0.9467 | 0.9628 | 0.9800 | 13037.5 | 0.9978 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13152.5 | 0.6102 | 0.7436 | 0.8109 | 0.8616 | 0.9056 | 0.9285 | 0.9467 | 0.9672 | 13032.5 | 0.9250 | 0.9483 | 0.9607 | 0.9704 | 0.9816 | 0.9883 | 0.9931 | 0.9968 |
| 13147.5 | 0.7073 | 0.8216 | 0.8703 | 0.9128 | 0.9432 | 0.9579 | 0.9680 | 0.9811 | 13027.5 | 0.9997 | 0.9999 | 0.9998 | 0.9997 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.6300 | 0.7642 | 0.8260 | 0.8733 | 0.9159 | 0.9367 | 0.9555 | 0.9726 | 13022.5 | 0.9433 | 0.9597 | 0.9697 | 0.9783 | 0.9879 | 0.9930 | 0.9961 | 0.9983 |
| 13137.5 | 0.7421 | 0.8384 | 0.8858 | 0.9187 | 0.9461 | 0.9586 | 0.9701 | 0.9817 | 13017.5 | 0.9997 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.7828 | 0.8620 | 0.9017 | 0.9269 | 0.9521 | 0.9664 | 0.9764 | 0.9858 | 13012.5 | 0.9557 | 0.9693 | 0.9778 | 0.9856 | 0.9928 | 0.9960 | 0.9979 | 0.9991 |
| 13127.5 | 0.8507 | 0.9051 | 0.9295 | 0.9482 | 0.9658 | 0.9764 | 0.9857 | 0.9930 | 13007.5 | 0.9998 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9947 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 13002.5 | 0.9818 | 0.9887 | 0.9928 | 0.9958 | 0.9980 | 0.9990 | 0.9994 | 0.9997 |
| 13117.5 | 0.9061 | 0.9417 | 0.9588 | 0.9701 | 0.9800 | 0.9855 | 0.9904 | 0.9953 | 12997.5 | 0.9853 | 0.9898 | 0.9932 | 0.9959 | 0.9981 | 0.9990 | 0.9994 | 0.9998 |
| 13112.5 | 0.7922 | 0.8674 | 0.9056 | 0.9314 | 0.9540 | 0.9658 | 0.9755 | 0.9850 | 12992.5 | 0.9886 | 0.9936 | 0.9961 | 0.9979 | 0.9991 | 0.9995 | 0.9997 | 0.9999 |
| 13107.5 | 0.7667 | 0.8500 | 0.8923 | 0.9222 | 0.9482 | 0.9623 | 0.9733 | 0.9827 | 12987.5 | 0.9878 | 0.9926 | 0.9954 | 0.9974 | 0.9988 | 0.9993 | 0.9996 | 0.9999 |
| 13102.5 | 0.8627 | 0.9158 | 0.9414 | 0.9585 | 0.9723 | 0.9789 | 0.9858 | 0.9884 | 12982.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.8582 | 0.9116 | 0.9373 | 0.9552 | 0.9704 | 0.9777 | 0.9855 | 0.9905 | 12977.5 | 0.9854 | 0.9927 | 0.9959 | 0.9978 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 13092.5 | 0.7540 | 0.8403 | 0.8846 | 0.9139 | 0.9435 | 0.9579 | 0.9609 | 0.9821 | 12972.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.8618 | 0.9183 | 0.9456 | 0.9602 | 0.9743 | 0.9827 | 0.9887 | 0.9910 | 12967.5 | 0.9926 | 0.9966 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13082.5 | 0.8660 | 0.9170 | 0.9418 | 0.9588 | 0.9728 | 0.9796 | 0.9868 | 0.9904 | 12962.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9296 | 0.9547 | 0.9675 | 0.9765 | 0.9844 | 0.9887 | 0.9920 | 0.9955 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.8909 | 0.9286 | 0.9461 | 0.9583 | 0.9700 | 0.9769 | 0.9852 | 0.9905 |
| 13192.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9835 | 0.9927 | 0.9962 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13187.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.9120 | 0.9403 | 0.9534 | 0.9637 | 0.9716 | 0.9802 | 0.9865 | 0.9931 |
| 13182.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9581 | 0.9720 | 0.9787 | 0.9837 | 0.9889 | 0.9922 | 0.9951 | 0.9976 |
| 13177.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9586 | 0.9718 | 0.9782 | 0.9832 | 0.9887 | 0.9922 | 0.9952 | 0.9978 |
| 13172.5 | 0.9991 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.9339 | 0.9538 | 0.9643 | 0.9725 | 0.9818 | 0.9881 | 0.9931 | 0.9969 |
| 13167.5 | 0.9754 | 0.9857 | 0.9902 | 0.9936 | 0.9971 | 0.9985 | 0.9993 | 0.9997 | 13047.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13162.5 | 0.7926 | 0.8544 | 0.8898 | 0.9192 | 0.9518 | 0.9705 | 0.9852 | 0.9927 | 13042.5 | 0.9446 | 0.9609 | 0.9695 | 0.9765 | 0.9851 | 0.9908 | 0.9948 | 0.9977 |
| 13157.5 | 0.8484 | 0.8961 | 0.9188 | 0.9358 | 0.9536 | 0.9662 | 0.9778 | 0.9890 | 13037.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13152.5 | 0.7461 | 0.8578 | 0.8950 | 0.9174 | 0.9390 | 0.9510 | 0.9654 | 0.9781 | 13032.5 | 0.9554 | 0.9679 | 0.9752 | 0.9814 | 0.9890 | 0.9934 | 0.9962 | 0.9985 |
| 13147.5 | 0.8151 | 0.9096 | 0.9351 | 0.9515 | 0.9659 | 0.9735 | 0.9829 | 0.9891 | 13027.5 | 0.9998 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.8067 | 0.8732 | 0.9056 | 0.9278 | 0.9492 | 0.9621 | 0.9754 | 0.9861 | 13022.5 | 0.9648 | 0.9744 | 0.9808 | 0.9869 | 0.9933 | 0.9963 | 0.9980 | 0.9992 |
| 13137.5 | 0.8679 | 0.9163 | 0.9387 | 0.9535 | 0.9669 | 0.9742 | 0.9807 | 0.9886 | 13017.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.8870 | 0.9268 | 0.9454 | 0.9583 | 0.9707 | 0.9784 | 0.9852 | 0.9925 | 13012.5 | 0.9720 | 0.9805 | 0.9866 | 0.9918 | 0.9962 | 0.9980 | 0.9989 | 0.9996 |
| 13127.5 | 0.9212 | 0.9466 | 0.9598 | 0.9697 | 0.9807 | 0.9875 | 0.9931 | 0.9966 | 13007.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13002.5 | 0.9897 | 0.9938 | 0.9963 | 0.9979 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 13117.5 | 0.9121 | 0.9489 | 0.9766 | 0.9822 | 0.9879 | 0.9916 | 0.9947 | 0.9975 | 12997.5 | 0.9901 | 0.9938 | 0.9961 | 0.9978 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 13112.5 | 0.8919 | 0.9297 | 0.9475 | 0.9598 | 0.9711 | 0.9778 | 0.9842 | 0.9915 | 12992.5 | 0.9935 | 0.9966 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 0.9999 |
| 13107.5 | 0.8780 | 0.9209 | 0.9416 | 0.9555 | 0.9681 | 0.9769 | 0.9816 | 0.9894 | 12987.5 | 0.9920 | 0.9955 | 0.9974 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13102.5 | 0.9321 | 0.9571 | 0.9686 | 0.9761 | 0.9824 | 0.9857 | 0.9880 | 0.9935 | 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.9281 | 0.9543 | 0.9668 | 0.9749 | 0.9819 | 0.9844 | 0.9906 | 0.9952 | 12977.5 | 0.9915 | 0.9960 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 13092.5 | 0.8692 | 0.9144 | 0.9364 | 0.9518 | 0.9663 | 0.9750 | 0.9826 | 0.9910 | 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.9349 | 0.9594 | 0.9705 | 0.9778 | 0.9819 | 0.9870 | 0.9901 | 0.9942 | 12967.5 | 0.9960 | 0.9983 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13082.5 | 0.9321 | 0.9574 | 0.9690 | 0.9766 | 0.9832 | 0.9866 | 0.9897 | 0.9937 | 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9625 | 0.9752 | 0.9814 | 0.9861 | 0.9905 | 0.9930 | 0.9952 | 0.9975 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.9482 | 0.9622 | 0.9694 | 0.9738 | 0.9792 | 0.9848 | 0.9901 | 0.9952 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.9551 | 0.9663 | 0.9722 | 0.9770 | 0.9835 | 0.9888 | 0.9932 | 0.9969 |
| 13182.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9701 | 0.9851 | 0.9882 | 0.9906 | 0.9937 | 0.9960 | 0.9977 | 0.9990 |
| 13177.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9790 | 0.9850 | 0.9884 | 0.9909 | 0.9942 | 0.9966 | 0.9980 | 0.9991 |
| 13172.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.9667 | 0.9741 | 0.9795 | 0.9845 | 0.9909 | 0.9947 | 0.9972 | 0.9988 |
| 13167.5 | 0.9854 | 0.9916 | 0.9949 | 0.9972 | 0.9985 | 0.9994 | 0.9997 | 0.9999 | 13047.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13162.5 | 0.8728 | 0.9087 | 0.9329 | 0.9540 | 0.9758 | 0.9866 | 0.9937 | 0.9970 | 13042.5 | 0.9688 | 0.9760 | 0.9809 | 0.9867 | 0.9926 | 0.9958 | 0.9978 | 0.9991 |
| 13157.5 | 0.9190 | 0.9386 | 0.9492 | 0.9586 | 0.9735 | 0.9816 | 0.9881 | 0.9951 | 13037.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13152.5 | 0.8954 | 0.9211 | 0.9340 | 0.9412 | 0.9539 | 0.9662 | 0.9797 | 0.9904 | 13032.5 | 0.9735 | 0.9786 | 0.9835 | 0.9888 | 0.9944 | 0.9969 | 0.9983 | 0.9993 |
| 13147.5 | 0.9367 | 0.9562 | 0.9649 | 0.9708 | 0.9780 | 0.9838 | 0.9835 | 0.9949 | 13027.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.9100 | 0.9358 | 0.9499 | 0.9615 | 0.9729 | 0.9808 | 0.9880 | 0.9944 | 13022.5 | 0.9774 | 0.9837 | 0.9890 | 0.9934 | 0.9973 | 0.9984 | 0.9992 | 0.9997 |
| 13137.5 | 0.9403 | 0.9579 | 0.9662 | 0.9711 | 0.9764 | 0.9828 | 0.9887 | 0.9940 | 13017.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.9468 | 0.9620 | 0.9700 | 0.9759 | 0.9825 | 0.9878 | 0.9924 | 0.9965 | 13012.5 | 0.9822 | 0.9890 | 0.9934 | 0.9963 | 0.9986 | 0.9992 | 0.9996 | 0.9998 |
| 13127.5 | 0.9608 | 0.9725 | 0.9793 | 0.9850 | 0.9913 | 0.9949 | 0.9972 | 0.9988 | 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9998 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13002.5 | 0.9963 | 0.9970 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13117.5 | 0.9770 | 0.9835 | 0.9869 | 0.9895 | 0.9931 | 0.9957 | 0.9975 | 0.9989 | 12997.5 | 0.9960 | 0.9968 | 0.9982 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 1.0000 |
| 13112.5 | 0.9401 | 0.9630 | 0.9691 | 0.9732 | 0.9794 | 0.9856 | 0.9918 | 0.9954 | 12992.5 | 0.9968 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13107.5 | 0.9442 | 0.9600 | 0.9670 | 0.9716 | 0.9779 | 0.9835 | 0.9897 | 0.9947 | 12987.5 | 0.9955 | 0.9978 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13102.5 | 0.9696 | 0.9781 | 0.9822 | 0.9848 | 0.9876 | 0.9902 | 0.9914 | 0.9968 | 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.9684 | 0.9777 | 0.9823 | 0.9859 | 0.9903 | 0.9934 | 0.9960 | 0.9983 | 12977.5 | 0.9981 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13092.5 | 0.9302 | 0.9570 | 0.9666 | 0.9742 | 0.9823 | 0.9877 | 0.9925 | 0.9964 | 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.9718 | 0.9799 | 0.9830 | 0.9847 | 0.9877 | 0.9908 | 0.9940 | 0.9970 | 12967.5 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13082.5 | 0.9697 | 0.9787 | 0.9827 | 0.9847 | 0.9870 | 0.9899 | 0.9932 | 0.9965 | 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9814 | 0.9867 | 0.9895 | 0.9917 | 0.9947 | 0.9960 | 0.9975 | 0.9988 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.9655 | 0.9693 | 0.9711 | 0.9752 | 0.9836 | 0.9895 | 0.9940 | 0.9975 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.9686 | 0.9741 | 0.9778 | 0.9822 | 0.9889 | 0.9933 | 0.9962 | 0.9984 |
| 13182.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9860 | 0.9880 | 0.9900 | 0.9927 | 0.9960 | 0.9977 | 0.9988 | 0.9995 |
| 13177.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9866 | 0.9893 | 0.9913 | 0.9936 | 0.9963 | 0.9980 | 0.9990 | 0.9996 |
| 13172.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.9759 | 0.9813 | 0.9855 | 0.9900 | 0.9949 | 0.9972 | 0.9986 | 0.9994 |
| 13167.5 | 0.9903 | 0.9950 | 0.9972 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 13047.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13162.5 | 0.9031 | 0.9340 | 0.9546 | 0.9715 | 0.9865 | 0.9928 | 0.9949 | 0.9985 | 13042.5 | 0.9762 | 0.9817 | 0.9866 | 0.9914 | 0.9958 | 0.9978 | 0.9989 | 0.9995 |
| 13157.5 | 0.9412 | 0.9512 | 0.9587 | 0.9681 | 0.9813 | 0.9890 | 0.9940 | 0.9974 | 13037.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13152.5 | 0.9241 | 0.9316 | 0.9389 | 0.9487 | 0.9652 | 0.9775 | 0.9868 | 0.9941 | 13032.5 | 0.9751 | 0.9823 | 0.9884 | 0.9931 | 0.9968 | 0.9983 | 0.9991 | 0.9996 |
| 13147.5 | 0.9594 | 0.9672 | 0.9722 | 0.9772 | 0.9843 | 0.9897 | 0.9939 | 0.9973 | 13027.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.9430 | 0.9588 | 0.9661 | 0.9728 | 0.9820 | 0.9886 | 0.9935 | 0.9972 | 13022.5 | 0.9818 | 0.9880 | 0.9934 | 0.9963 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 13137.5 | 0.9614 | 0.9666 | 0.9682 | 0.9721 | 0.9805 | 0.9872 | 0.9926 | 0.9966 | 13017.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.9655 | 0.9725 | 0.9761 | 0.9807 | 0.9877 | 0.9924 | 0.9957 | 0.9981 | 13012.5 | 0.9876 | 0.9934 | 0.9963 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13127.5 | 0.9759 | 0.9827 | 0.9870 | 0.9910 | 0.9953 | 0.9974 | 0.9986 | 0.9994 | 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13002.5 | 0.9964 | 0.9984 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13117.5 | 0.9847 | 0.9875 | 0.9897 | 0.9922 | 0.9957 | 0.9975 | 0.9986 | 0.9994 | 12997.5 | 0.9962 | 0.9982 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13112.5 | 0.9646 | 0.9682 | 0.9712 | 0.9760 | 0.9845 | 0.9903 | 0.9945 | 0.9976 | 12992.5 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13107.5 | 0.9627 | 0.9681 | 0.9719 | 0.9762 | 0.9831 | 0.9890 | 0.9935 | 0.9971 | 12987.5 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13102.5 | 0.9706 | 0.9833 | 0.9849 | 0.9866 | 0.9901 | 0.9935 | 0.9960 | 0.9982 | 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.9801 | 0.9852 | 0.9881 | 0.9908 | 0.9942 | 0.9964 | 0.9980 | 0.9992 | 12977.5 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13092.5 | 0.9615 | 0.9724 | 0.9786 | 0.9834 | 0.9892 | 0.9932 | 0.9962 | 0.9984 | 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.9807 | 0.9824 | 0.9844 | 0.9866 | 0.9906 | 0.9938 | 0.9963 | 0.9983 | 12967.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13082.5 | 0.9802 | 0.9819 | 0.9825 | 0.9847 | 0.9890 | 0.9927 | 0.9956 | 0.9980 | 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9872 | 0.9900 | 0.9917 | 0.9936 | 0.9959 | 0.9975 | 0.9986 | 0.9994 |

Table 4–2: Transmission functions for the A band at 250 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9469 | 0.9784 | 0.9902 | 0.9944 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 13077.5 | 0.0295 | 0.1237 | 0.2476 | 0.3970 | 0.5851 | 0.6965 | 0.7836 | 0.8678 |
| 13192.5 | 0.9357 | 0.9738 | 0.9868 | 0.9934 | 0.9973 | 0.9987 | 0.9995 | 0.9997 | 13072.5 | 0.2822 | 0.5436 | 0.6981 | 0.8056 | 0.8952 | 0.9331 | 0.9593 | 0.9804 |
| 13187.5 | 0.9200 | 0.9672 | 0.9835 | 0.9917 | 0.9967 | 0.9983 | 0.9992 | 0.9997 | 13067.5 | 0.1708 | 0.3237 | 0.4501 | 0.5701 | 0.6977 | 0.7734 | 0.8370 | 0.9028 |
| 13182.5 | 0.8968 | 0.9574 | 0.9785 | 0.9892 | 0.9957 | 0.9978 | 0.9989 | 0.9996 | 13062.5 | 0.3016 | 0.4978 | 0.6326 | 0.7403 | 0.8406 | 0.8903 | 0.9282 | 0.9596 |
| 13177.5 | 0.8595 | 0.9412 | 0.9702 | 0.9850 | 0.9940 | 0.9970 | 0.9985 | 0.9994 | 13057.5 | 0.4414 | 0.6065 | 0.7031 | 0.7797 | 0.8552 | 0.8969 | 0.9285 | 0.9594 |
| 13172.5 | 0.7911 | 0.9104 | 0.9541 | 0.9768 | 0.9906 | 0.9953 | 0.9976 | 0.9991 | 13052.5 | 0.2690 | 0.4392 | 0.5645 | 0.6736 | 0.7860 | 0.8492 | 0.8988 | 0.9463 |
| 13167.5 | 0.5846 | 0.7716 | 0.8573 | 0.9133 | 0.9587 | 0.9777 | 0.9886 | 0.9953 | 13047.5 | 0.7140 | 0.8585 | 0.9225 | 0.9592 | 0.9832 | 0.9915 | 0.9957 | 0.9983 |
| 13162.5 | 0.0106 | 0.0792 | 0.1956 | 0.3511 | 0.5644 | 0.7022 | 0.8109 | 0.9065 | 13042.5 | 0.3275 | 0.5187 | 0.6427 | 0.7413 | 0.8367 | 0.8894 | 0.9295 | 0.9657 |
| 13157.5 | 0.0025 | 0.0566 | 0.1786 | 0.3404 | 0.5393 | 0.6574 | 0.7542 | 0.8499 | 13037.5 | 0.8724 | 0.9463 | 0.9727 | 0.9862 | 0.9945 | 0.9972 | 0.9986 | 0.9994 |
| 13152.5 | 0.0001 | 0.0103 | 0.0556 | 0.1498 | 0.3291 | 0.4750 | 0.6077 | 0.7515 | 13032.5 | 0.4468 | 0.6378 | 0.7386 | 0.8149 | 0.8879 | 0.9288 | 0.9582 | 0.9805 |
| 13147.5 | 0.0000 | 0.0044 | 0.0444 | 0.1589 | 0.3857 | 0.5522 | 0.6844 | 0.8128 | 13027.5 | 0.9345 | 0.9732 | 0.9865 | 0.9932 | 0.9973 | 0.9986 | 0.9993 | 0.9997 |
| 13142.5 | 0. | 0.0020 | 0.0264 | 0.1106 | 0.3031 | 0.4614 | 0.6003 | 0.7451 | 13022.5 | 0.6068 | 0.7428 | 0.8184 | 0.8751 | 0.9305 | 0.9588 | 0.9773 | 0.9898 |
| 13137.5 | 0.0001 | 0.0126 | 0.0756 | 0.2123 | 0.4388 | 0.5910 | 0.7067 | 0.8228 | 13017.5 | 0.9627 | 0.9849 | 0.9924 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 13132.5 | 0.0018 | 0.0517 | 0.1582 | 0.3131 | 0.5227 | 0.6529 | 0.7559 | 0.8518 | 13012.5 | 0.7293 | 0.8292 | 0.8836 | 0.9248 | 0.9626 | 0.9790 | 0.9880 | 0.9950 |
| 13127.5 | 0.0363 | 0.1571 | 0.3082 | 0.4498 | 0.6506 | 0.7536 | 0.8520 | 0.9070 | 13007.5 | 0.9744 | 0.9897 | 0.9948 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 13122.5 | 0.4933 | 0.7539 | 0.8660 | 0.9304 | 0.9715 | 0.9857 | 0.9928 | 0.9971 | 13002.5 | 0.8673 | 0.9252 | 0.9546 | 0.9740 | 0.9880 | 0.9932 | 0.9966 | 0.9986 |
| 13117.5 | 0.1015 | 0.3060 | 0.4852 | 0.6347 | 0.7764 | 0.8456 | 0.8950 | 0.9425 | 12997.5 | 0.9379 | 0.9624 | 0.9755 | 0.9850 | 0.9927 | 0.9956 | 0.9977 | 0.9991 |
| 13112.5 | 0.0116 | 0.0829 | 0.2009 | 0.3520 | 0.5475 | 0.6604 | 0.7640 | 0.8590 | 12992.5 | 0.9422 | 0.9698 | 0.9828 | 0.9904 | 0.9955 | 0.9977 | 0.9989 | 0.9995 |
| 13107.5 | 0.0203 | 0.1034 | 0.2027 | 0.3336 | 0.5157 | 0.6364 | 0.7553 | 0.8345 | 12987.5 | 0.9398 | 0.9686 | 0.9821 | 0.9900 | 0.9954 | 0.9977 | 0.9988 | 0.9995 |
| 13102.5 | 0.0329 | 0.1764 | 0.3411 | 0.5062 | 0.6801 | 0.7750 | 0.8464 | 0.9075 | 12982.5 | 0.9916 | 0.9966 | 0.9983 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13097.5 | 0.0451 | 0.1976 | 0.3557 | 0.5081 | 0.6774 | 0.7712 | 0.8409 | 0.9025 | 12977.5 | 0.9420 | 0.9726 | 0.9847 | 0.9917 | 0.9966 | 0.9983 | 0.9992 | 0.9997 |
| 13092.5 | 0.0064 | 0.0598 | 0.1561 | 0.2945 | 0.4927 | 0.6224 | 0.7279 | 0.8287 | 12972.5 | 0.9933 | 0.9973 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13087.5 | 0.0829 | 0.2697 | 0.4304 | 0.5736 | 0.7162 | 0.7942 | 0.8556 | 0.9146 | 12967.5 | 0.9740 | 0.9878 | 0.9938 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 |
| 13082.5 | 0.1368 | 0.3374 | 0.4834 | 0.6044 | 0.7282 | 0.8022 | 0.8605 | 0.9155 | 12962.5 | 0.9938 | 0.9975 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| | | | | | | | | | BAND | 0.6325 | 0.6995 | 0.7516 | 0.8037 | 0.8652 | 0.9025 | 0.9316 | 0.9594 |

PATH LENGTH (km)

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13077.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13192.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13072.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13187.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13067.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13182.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13062.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13177.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13057.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13172.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13052.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13167.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13047.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13162.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13042.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13157.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13037.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13152.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13032.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13147.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13027.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13142.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13022.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13137.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13017.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13132.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13012.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13127.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13007.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13122.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13002.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13117.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12997.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13112.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12992.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13107.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12987.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13102.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12982.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13097.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12977.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13092.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12972.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13087.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12967.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13082.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12962.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | | | | BAND | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13077.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13192.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13072.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13187.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13067.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13182.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13062.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13177.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13057.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13172.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13052.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13167.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13047.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13162.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13042.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13157.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13037.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13152.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13032.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13147.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9080 | 13027.5 | 0.9823 | 0.9929 | 0.9964 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 13142.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.8649 | 13022.5 | 0.7917 | 0.8670 | 0.9061 | 0.9352 | 0.9640 | 0.9701 | 0.9884 | 0.9945 |
| 13137.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9102 | 13017.5 | 0.9901 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13132.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9240 | 13012.5 | 0.8605 | 0.9121 | 0.9397 | 0.9612 | 0.9807 | 0.9801 | 0.9935 | 0.9973 |
| 13127.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13007.5 | 0.9933 | 0.9973 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13122.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9993 | 13002.5 | 0.9391 | 0.9659 | 0.9791 | 0.9880 | 0.9943 | 0.9966 | 0.9983 | 0.9993 |
| 13117.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9712 | 12997.5 | 0.9677 | 0.9790 | 0.9860 | 0.9914 | 0.9958 | 0.9973 | 0.9986 | 0.9994 |
| 13112.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9277 | 12992.5 | 0.9719 | 0.9851 | 0.9914 | 0.9952 | 0.9977 | 0.9988 | 0.9994 | 0.9998 |
| 13107.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9144 | 12987.5 | 0.9712 | 0.9846 | 0.9911 | 0.9949 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 13102.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9544 | 12982.5 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9503 | 12977.5 | 0.9718 | 0.9867 | 0.9925 | 0.9960 | 0.9984 | 0.9992 | 0.9995 | 0.9998 |
| 13092.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9101 | 12972.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 0.9587 | 12967.5 | 0.9877 | 0.9940 | 0.9970 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13082.5 | 0.4290 | 0.5972 | 0.6954 | 0.7754 | 0.8564 | 0.8905 | 0.9301 | 0.9577 | 12962.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.7336 | 0.8002 | 0.8479 | 0.8879 | 0.9277 | 0.9491 | 0.9643 | 0.9792 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9933 | 0.9973 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 13077.5 | 0.3444 | 0.5382 | 0.6592 | 0.7536 | 0.8407 | 0.8866 | 0.9197 | 0.9509 |
| 13192.5 | 0.9919 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 13072.5 | 0.7679 | 0.8717 | 0.9191 | 0.9496 | 0.9741 | 0.9852 | 0.9919 | 0.9966 |
| 13187.5 | 0.9898 | 0.9959 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 13067.5 | 0.5298 | 0.6671 | 0.7461 | 0.8119 | 0.8781 | 0.9125 | 0.9371 | 0.9625 |
| 13182.5 | 0.9868 | 0.9947 | 0.9973 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 13062.5 | 0.7028 | 0.8168 | 0.8722 | 0.9114 | 0.9451 | 0.9616 | 0.9736 | 0.9853 |
| 13177.5 | 0.9816 | 0.9926 | 0.9963 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 13057.5 | 0.7534 | 0.8366 | 0.8820 | 0.9154 | 0.9456 | 0.9611 | 0.9728 | 0.9848 |
| 13172.5 | 0.9716 | 0.9886 | 0.9943 | 0.9971 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 13052.5 | 0.6388 | 0.7583 | 0.8247 | 0.8757 | 0.9188 | 0.9428 | 0.9618 | 0.9803 |
| 13167.5 | 0.8011 | 0.9369 | 0.9593 | 0.9754 | 0.9886 | 0.9941 | 0.9970 | 0.9988 | 13047.5 | 0.9472 | 0.9780 | 0.9888 | 0.9944 | 0.9977 | 0.9989 | 0.9994 | 0.9998 |
| 13162.5 | 0.2716 | 0.4722 | 0.6087 | 0.7189 | 0.8251 | 0.8832 | 0.9271 | 0.9651 | 13042.5 | 0.7088 | 0.8113 | 0.8646 | 0.9030 | 0.9385 | 0.9585 | 0.9740 | 0.9876 |
| 13157.5 | 0.2781 | 0.4878 | 0.6135 | 0.7161 | 0.8095 | 0.8611 | 0.9007 | 0.9420 | 13037.5 | 0.9813 | 0.9925 | 0.9962 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13152.5 | 0.1114 | 0.2762 | 0.4206 | 0.5561 | 0.7009 | 0.7824 | 0.8467 | 0.9043 | 13032.5 | 0.7883 | 0.8639 | 0.9031 | 0.9313 | 0.9581 | 0.9733 | 0.9842 | 0.9924 |
| 13147.5 | 0.1068 | 0.3186 | 0.4927 | 0.6390 | 0.7779 | 0.8467 | 0.8937 | 0.9354 | 13027.5 | 0.9910 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13142.5 | 0.0713 | 0.2442 | 0.4060 | 0.5696 | 0.7020 | 0.7867 | 0.8453 | 0.9022 | 13022.5 | 0.8517 | 0.9051 | 0.9326 | 0.9532 | 0.9744 | 0.9852 | 0.9918 | 0.9961 |
| 13137.5 | 0.1530 | 0.3744 | 0.5363 | 0.6673 | 0.7899 | 0.8518 | 0.8960 | 0.9362 | 13017.5 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13132.5 | 0.2514 | 0.4656 | 0.6065 | 0.7166 | 0.8191 | 0.8722 | 0.9109 | 0.9455 | 13012.5 | 0.9008 | 0.9369 | 0.9566 | 0.9721 | 0.9863 | 0.9923 | 0.9955 | 0.9981 |
| 13127.5 | 0.4184 | 0.6088 | 0.7180 | 0.7986 | 0.8715 | 0.9008 | 0.9384 | 0.9662 | 13007.5 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13122.5 | 0.9120 | 0.9611 | 0.9814 | 0.9906 | 0.9962 | 0.9981 | 0.9991 | 0.9996 | 13002.5 | 0.9593 | 0.9768 | 0.9858 | 0.9918 | 0.9961 | 0.9978 | 0.9988 | 0.9995 |
| 13117.5 | 0.5813 | 0.7385 | 0.8100 | 0.8752 | 0.9232 | 0.9469 | 0.9638 | 0.9795 | 12997.5 | 0.9756 | 0.9830 | 0.9893 | 0.9936 | 0.9969 | 0.9981 | 0.9990 | 0.9996 |
| 13112.5 | 0.2911 | 0.4958 | 0.6249 | 0.7282 | 0.8261 | 0.8787 | 0.9137 | 0.9486 | 12992.5 | 0.9801 | 0.9889 | 0.9941 | 0.9967 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 13107.5 | 0.2870 | 0.4704 | 0.5964 | 0.7006 | 0.8042 | 0.8599 | 0.9008 | 0.9388 | 12987.5 | 0.9786 | 0.9881 | 0.9936 | 0.9963 | 0.9982 | 0.9991 | 0.9995 | 0.9998 |
| 13102.5 | 0.4468 | 0.6375 | 0.7431 | 0.8208 | 0.8899 | 0.9239 | 0.9473 | 0.9676 | 12982.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.4513 | 0.6355 | 0.7308 | 0.8171 | 0.8859 | 0.9186 | 0.9432 | 0.9644 | 12977.5 | 0.9803 | 0.9908 | 0.9949 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 13092.5 | 0.2432 | 0.4460 | 0.5810 | 0.6928 | 0.8000 | 0.8563 | 0.8970 | 0.9351 | 12972.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.5258 | 0.6830 | 0.7679 | 0.8339 | 0.8977 | 0.9287 | 0.9518 | 0.9712 | 12967.5 | 0.9916 | 0.9959 | 0.9978 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13082.5 | 0.5592 | 0.6947 | 0.7751 | 0.8393 | 0.8994 | 0.9296 | 0.9509 | 0.9700 | 12962.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.7857 | 0.8477 | 0.8875 | 0.9188 | 0.9485 | 0.9638 | 0.9749 | 0.9851 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.3717 | 0.7178 | 0.7965 | 0.8539 | 0.9082 | 0.9324 | 0.9312 | 0.9699 |
| 13192.5 | 0.9973 | 0.9989 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 13072.5 | 0.8837 | 0.9371 | 0.9614 | 0.9771 | 0.9893 | 0.9943 | 0.9971 | 0.9988 |
| 13187.5 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 13067.5 | 0.6892 | 0.7860 | 0.8443 | 0.8880 | 0.9268 | 0.9462 | 0.9610 | 0.9770 |
| 13182.5 | 0.9957 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 13062.5 | 0.8317 | 0.8959 | 0.9278 | 0.9494 | 0.9678 | 0.9769 | 0.9840 | 0.9914 |
| 13177.5 | 0.9940 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 13057.5 | 0.8495 | 0.9028 | 0.9303 | 0.9498 | 0.9671 | 0.9762 | 0.9833 | 0.9909 |
| 13172.5 | 0.9906 | 0.9963 | 0.9981 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 13052.5 | 0.7781 | 0.8552 | 0.9055 | 0.9244 | 0.9506 | 0.9650 | 0.9771 | 0.9887 |
| 13167.5 | 0.9614 | 0.9849 | 0.9773 | 0.9865 | 0.9939 | 0.9969 | 0.9984 | 0.9993 | 13047.5 | 0.9809 | 0.9922 | 0.9961 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13162.5 | 0.5000 | 0.6619 | 0.7566 | 0.8252 | 0.8907 | 0.9281 | 0.9542 | 0.9796 | 13042.5 | 0.8270 | 0.8882 | 0.9191 | 0.9415 | 0.9625 | 0.9750 | 0.9847 | 0.9929 |
| 13157.5 | 0.5203 | 0.6741 | 0.7590 | 0.8229 | 0.8815 | 0.9126 | 0.9376 | 0.9647 | 13037.5 | 0.9934 | 0.9973 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13152.5 | 0.3116 | 0.5001 | 0.6216 | 0.7229 | 0.8179 | 0.8680 | 0.9047 | 0.9411 | 13032.5 | 0.8755 | 0.9197 | 0.9418 | 0.9578 | 0.9742 | 0.9840 | 0.9907 | 0.9955 |
| 13147.5 | 0.3605 | 0.5792 | 0.7060 | 0.7971 | 0.8751 | 0.9123 | 0.9382 | 0.9616 | 13027.5 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13142.5 | 0.2835 | 0.4911 | 0.6278 | 0.7255 | 0.8212 | 0.8705 | 0.9061 | 0.9401 | 13022.5 | 0.9121 | 0.9427 | 0.9588 | 0.9717 | 0.9848 | 0.9914 | 0.9953 | 0.9978 |
| 13137.5 | 0.4164 | 0.6146 | 0.7238 | 0.8070 | 0.8781 | 0.9138 | 0.9394 | 0.9614 | 13017.5 | 0.9987 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.5017 | 0.6716 | 0.7656 | 0.8338 | 0.8942 | 0.9244 | 0.9460 | 0.9670 | 13012.5 | 0.9406 | 0.9613 | 0.9735 | 0.9834 | 0.9920 | 0.9956 | 0.9975 | 0.9990 |
| 13127.5 | 0.6624 | 0.7696 | 0.8349 | 0.8817 | 0.9242 | 0.9464 | 0.9633 | 0.9806 | 13007.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9688 | 0.9871 | 0.9935 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9998 | 13002.5 | 0.9771 | 0.9868 | 0.9921 | 0.9956 | 0.9979 | 0.9988 | 0.9994 | 0.9998 |
| 13117.5 | 0.7598 | 0.8526 | 0.8979 | 0.9293 | 0.9558 | 0.9688 | 0.9783 | 0.9877 | 12997.5 | 0.9854 | 0.9893 | 0.9932 | 0.9961 | 0.9982 | 0.9989 | 0.9994 | 0.9998 |
| 13112.5 | 0.5208 | 0.6875 | 0.7749 | 0.8398 | 0.8981 | 0.9273 | 0.9484 | 0.9693 | 12992.5 | 0.9883 | 0.9941 | 0.9967 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13107.5 | 0.5060 | 0.6612 | 0.7513 | 0.8201 | 0.8863 | 0.9173 | 0.9478 | 0.9632 | 12987.5 | 0.9877 | 0.9935 | 0.9962 | 0.9978 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 13102.5 | 0.6659 | 0.7905 | 0.8548 | 0.8996 | 0.9382 | 0.9566 | 0.9689 | 0.9803 | 12982.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.6632 | 0.7872 | 0.8512 | 0.8958 | 0.9340 | 0.9529 | 0.9663 | 0.9785 | 12977.5 | 0.9886 | 0.9948 | 0.9971 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13092.5 | 0.4841 | 0.6504 | 0.7458 | 0.8165 | 0.8809 | 0.9159 | 0.9377 | 0.9607 | 12972.5 | 0.9991 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.7062 | 0.8078 | 0.8652 | 0.9072 | 0.9432 | 0.9603 | 0.9722 | 0.9829 | 12967.5 | 0.9951 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13082.5 | 0.7141 | 0.8129 | 0.8679 | 0.9078 | 0.9423 | 0.9593 | 0.9710 | 0.9813 | 12962.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8580 | 0.9060 | 0.9326 | 0.9521 | 0.9696 | 0.9785 | 0.9850 | 0.9910 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.7701 | 0.8523 | 0.8943 | 0.9237 | 0.9490 | 0.9617 | 0.9719 | 0.9832 |
| 13192.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9518 | 0.9757 | 0.9863 | 0.9926 | 0.9969 | 0.9984 | 0.9992 | 0.9997 |
| 13187.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.8248 | 0.8867 | 0.9176 | 0.9391 | 0.9580 | 0.9686 | 0.9773 | 0.9873 |
| 13182.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9177 | 0.9483 | 0.9632 | 0.9732 | 0.9819 | 0.9869 | 0.9914 | 0.9957 |
| 13177.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9214 | 0.9491 | 0.9630 | 0.9726 | 0.9813 | 0.9864 | 0.9910 | 0.9956 |
| 13172.5 | 0.9976 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 13052.5 | 0.8825 | 0.9232 | 0.9435 | 0.9578 | 0.9717 | 0.9806 | 0.9880 | 0.9945 |
| 13167.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13047.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13162.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13042.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13157.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13037.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13152.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13032.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13147.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13027.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13142.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13022.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13137.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13017.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13132.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13012.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13127.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13007.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13122.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 13002.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13117.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12997.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13112.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12992.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13107.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12987.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13102.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12982.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13097.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12977.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13092.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12972.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13087.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12967.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 13082.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | 12962.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| | | | | | | | | | BAND | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| CWN (cm⁻¹) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13192.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13182.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13177.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13172.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13167.5 | 0.9819 | 0.9894 | 0.9956 | 0.9965 | 0.9985 | 0.9993 | 0.9994 | 0.9998 |
| 13162.5 | 0.8294 | 0.8810 | 0.9111 | 0.9366 | 0.9634 | 0.9780 | 0.9877 | 0.9946 |
| 13157.5 | 0.8678 | 0.8964 | 0.9200 | 0.9373 | 0.9555 | 0.9680 | 0.9781 | 0.9896 |
| 13152.5 | 0.7647 | 0.8460 | 0.8863 | 0.9136 | 0.9381 | 0.9512 | 0.9630 | 0.9780 |
| 13147.5 | 0.8307 | 0.8937 | 0.9265 | 0.9464 | 0.9631 | 0.9718 | 0.9779 | 0.9875 |
| 13142.5 | 0.7719 | 0.8517 | 0.8916 | 0.9191 | 0.9434 | 0.9573 | 0.9681 | 0.9830 |
| 13137.5 | 0.8383 | 0.8987 | 0.9276 | 0.9467 | 0.9628 | 0.9715 | 0.9784 | 0.9868 |
| 13132.5 | 0.8607 | 0.9114 | 0.9357 | 0.9519 | 0.9663 | 0.9749 | 0.9831 | 0.9905 |
| 13127.5 | 0.9039 | 0.9366 | 0.9528 | 0.9645 | 0.9763 | 0.9841 | 0.9902 | 0.9955 |
| 13122.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13117.5 | 0.9411 | 0.9627 | 0.9727 | 0.9795 | 0.9858 | 0.9898 | 0.9931 | 0.9967 |
| 13112.5 | 0.8669 | 0.9152 | 0.9383 | 0.9539 | 0.9676 | 0.9752 | 0.9817 | 0.9894 |
| 13107.5 | 0.8518 | 0.9049 | 0.9312 | 0.9491 | 0.9644 | 0.9725 | 0.9798 | 0.9871 |
| 13102.5 | 0.9175 | 0.9490 | 0.9634 | 0.9730 | 0.9808 | 0.9845 | 0.9877 | 0.9922 |
| 13097.5 | 0.9138 | 0.9456 | 0.9610 | 0.9714 | 0.9798 | 0.9846 | 0.9888 | 0.9930 |
| 13092.5 | 0.8479 | 0.9012 | 0.9278 | 0.9463 | 0.9629 | 0.9722 | 0.9808 | 0.9890 |
| 13087.5 | 0.9249 | 0.9538 | 0.9673 | 0.9759 | 0.9831 | 0.9867 | 0.9897 | 0.9934 |
| 13082.5 | 0.9236 | 0.9519 | 0.9657 | 0.9747 | 0.9822 | 0.9862 | 0.9894 | 0.9934 |
| 13077.5 | 0.8805 | 0.9226 | 0.9428 | 0.9563 | 0.9690 | 0.9744 | 0.9830 | 0.9904 |
| 13072.5 | 0.9819 | 0.9919 | 0.9958 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 13067.5 | 0.9076 | 0.9382 | 0.9528 | 0.9635 | 0.9757 | 0.9803 | 0.9863 | 0.9930 |
| 13062.5 | 0.9580 | 0.9723 | 0.9791 | 0.9841 | 0.9893 | 0.9927 | 0.9953 | 0.9979 |
| 13057.5 | 0.9584 | 0.9721 | 0.9784 | 0.9836 | 0.9890 | 0.9924 | 0.9955 | 0.9980 |
| 13052.5 | 0.9367 | 0.9563 | 0.9665 | 0.9744 | 0.9835 | 0.9895 | 0.9940 | 0.9974 |
| 13047.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13042.5 | 0.9497 | 0.9647 | 0.9728 | 0.9795 | 0.9877 | 0.9926 | 0.9959 | 0.9987 |
| 13037.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13032.5 | 0.9613 | 0.9726 | 0.9795 | 0.9856 | 0.9923 | 0.9956 | 0.9975 | 0.9989 |
| 13027.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13022.5 | 0.9718 | 0.9799 | 0.9839 | 0.9912 | 0.9958 | 0.9978 | 0.9988 | 0.9995 |
| 13017.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9788 | 0.9869 | 0.9919 | 0.9955 | 0.9980 | 0.9990 | 0.9994 | 0.9998 |
| 13007.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9937 | 0.9969 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12997.5 | 0.9936 | 0.9967 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12992.5 | 0.9970 | 0.9987 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 12987.5 | 0.9960 | 0.9981 | 0.9990 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9969 | 0.9987 | 0.9993 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| MEAN | 0.9501 | 0.9736 | 0.9808 | 0.9857 | 0.9893 | 0.9929 | 0.9950 | 0.9972 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13182.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13177.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13172.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13167.5 | 0.9902 | 0.9950 | 0.9972 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13162.5 | 0.8980 | 0.9283 | 0.9484 | 0.9654 | 0.9822 | 0.9901 | 0.9948 | 0.9978 |
| 13157.5 | 0.9209 | 0.9409 | 0.9519 | 0.9615 | 0.9739 | 0.9829 | 0.9888 | 0.9954 |
| 13152.5 | 0.8903 | 0.9218 | 0.9363 | 0.9447 | 0.9552 | 0.9659 | 0.9771 | 0.9884 |
| 13147.5 | 0.9294 | 0.9524 | 0.9634 | 0.9704 | 0.9773 | 0.9826 | 0.9882 | 0.9940 |
| 13142.5 | 0.8985 | 0.9290 | 0.9450 | 0.9576 | 0.9707 | 0.9787 | 0.9861 | 0.9931 |
| 13137.5 | 0.9311 | 0.9527 | 0.9633 | 0.9708 | 0.9770 | 0.9814 | 0.9866 | 0.9928 |
| 13132.5 | 0.9388 | 0.9572 | 0.9667 | 0.9741 | 0.9813 | 0.9863 | 0.9911 | 0.9956 |
| 13127.5 | 0.9553 | 0.9666 | 0.9741 | 0.9824 | 0.9902 | 0.9953 | 0.9969 | 0.9984 |
| 13122.5 | 0.9995 | 0.9998 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13117.5 | 0.9736 | 0.9816 | 0.9858 | 0.9887 | 0.9921 | 0.9947 | 0.9964 | 0.9985 |
| 13112.5 | 0.9414 | 0.9589 | 0.9674 | 0.9732 | 0.9787 | 0.9836 | 0.9889 | 0.9944 |
| 13107.5 | 0.9357 | 0.9553 | 0.9650 | 0.9712 | 0.9769 | 0.9818 | 0.9870 | 0.9932 |
| 13102.5 | 0.9653 | 0.9760 | 0.9810 | 0.9844 | 0.9871 | 0.9893 | 0.9922 | 0.9956 |
| 13097.5 | 0.9635 | 0.9749 | 0.9804 | 0.9843 | 0.9891 | 0.9923 | 0.9950 | 0.9977 |
| 13092.5 | 0.9321 | 0.9537 | 0.9639 | 0.9720 | 0.9805 | 0.9859 | 0.9906 | 0.9957 |
| 13087.5 | 0.9692 | 0.9782 | 0.9831 | 0.9855 | 0.9878 | 0.9903 | 0.9933 | 0.9965 |
| 13082.5 | 0.9671 | 0.9774 | 0.9823 | 0.9856 | 0.9880 | 0.9901 | 0.9928 | 0.9962 |
| 13077.5 | 0.9458 | 0.9611 | 0.9692 | 0.9753 | 0.9809 | 0.9856 | 0.9905 | 0.9952 |
| 13072.5 | 0.9958 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13067.5 | 0.9547 | 0.9667 | 0.9729 | 0.9779 | 0.9841 | 0.9890 | 0.9933 | 0.9969 |
| 13062.5 | 0.9796 | 0.9856 | 0.9890 | 0.9915 | 0.9945 | 0.9966 | 0.9981 | 0.9992 |
| 13057.5 | 0.9795 | 0.9853 | 0.9889 | 0.9917 | 0.9945 | 0.9968 | 0.9983 | 0.9993 |
| 13052.5 | 0.9670 | 0.9759 | 0.9813 | 0.9862 | 0.9922 | 0.9955 | 0.9974 | 0.9990 |
| 13047.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13042.5 | 0.9722 | 0.9789 | 0.9837 | 0.9887 | 0.9942 | 0.9968 | 0.9983 | 0.9993 |
| 13037.5 | 0.9990 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13032.5 | 0.9780 | 0.9835 | 0.9882 | 0.9926 | 0.9964 | 0.9981 | 0.9990 | 0.9996 |
| 13027.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13022.5 | 0.9822 | 0.9885 | 0.9929 | 0.9960 | 0.9982 | 0.9991 | 0.9995 | 0.9998 |
| 13017.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9887 | 0.9936 | 0.9964 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9975 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12997.5 | 0.9969 | 0.9986 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 12992.5 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12987.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| MEAN | 0.9811 | 0.9868 | 0.9898 | 0.9920 | 0.9943 | 0.9959 | 0.9973 | 0.9987 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13182.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13177.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13172.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13167.5 | 0.9961 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13162.5 | 0.9246 | 0.9496 | 0.9660 | 0.9790 | 0.9902 | 0.9948 | 0.9971 | 0.9989 |
| 13157.5 | 0.9464 | 0.9518 | 0.9630 | 0.9713 | 0.9829 | 0.9898 | 0.9944 | 0.9976 |
| 13152.5 | 0.9276 | 0.9367 | 0.9421 | 0.9500 | 0.9645 | 0.9762 | 0.9857 | 0.9935 |
| 13147.5 | 0.9576 | 0.9674 | 0.9721 | 0.9767 | 0.9831 | 0.9884 | 0.9920 | 0.9968 |
| 13142.5 | 0.9378 | 0.9555 | 0.9636 | 0.9727 | 0.9810 | 0.9873 | 0.9924 | 0.9967 |
| 13137.5 | 0.9580 | 0.9686 | 0.9720 | 0.9742 | 0.9799 | 0.9857 | 0.9910 | 0.9958 |
| 13132.5 | 0.9618 | 0.9722 | 0.9768 | 0.9806 | 0.9865 | 0.9911 | 0.9948 | 0.9976 |
| 13127.5 | 0.9726 | 0.9810 | 0.9857 | 0.9896 | 0.9942 | 0.9966 | 0.9982 | 0.9993 |
| 13122.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13117.5 | 0.9834 | 0.9873 | 0.9895 | 0.9916 | 0.9947 | 0.9968 | 0.9982 | 0.9992 |
| 13112.5 | 0.9630 | 0.9704 | 0.9730 | 0.9760 | 0.9826 | 0.9883 | 0.9930 | 0.9968 |
| 13107.5 | 0.9606 | 0.9687 | 0.9719 | 0.9754 | 0.9814 | 0.9868 | 0.9911 | 0.9961 |
| 13102.5 | 0.9784 | 0.9834 | 0.9854 | 0.9867 | 0.9892 | 0.9921 | 0.9950 | 0.9977 |
| 13097.5 | 0.9780 | 0.9835 | 0.9869 | 0.9898 | 0.9934 | 0.9956 | 0.9974 | 0.9989 |
| 13092.5 | 0.9588 | 0.9704 | 0.9760 | 0.9821 | 0.9878 | 0.9919 | 0.9941 | 0.9980 |
| 13087.5 | 0.9810 | 0.9837 | 0.9848 | 0.9865 | 0.9899 | 0.9930 | 0.9951 | 0.9980 |
| 13082.5 | 0.9797 | 0.9841 | 0.9848 | 0.9858 | 0.9891 | 0.9924 | 0.9943 | 0.9978 |
| 13077.5 | 0.9653 | 0.9731 | 0.9754 | 0.9784 | 0.9818 | 0.9900 | 0.9941 | 0.9973 |
| 13072.5 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13067.5 | 0.9693 | 0.9756 | 0.9792 | 0.9832 | 0.9892 | 0.9934 | 0.9963 | 0.9984 |
| 13062.5 | 0.9873 | 0.9900 | 0.9917 | 0.9939 | 0.9966 | 0.9981 | 0.9990 | 0.9996 |
| 13057.5 | 0.9874 | 0.9906 | 0.9925 | 0.9946 | 0.9971 | 0.9984 | 0.9991 | 0.9996 |
| 13052.5 | 0.9779 | 0.9833 | 0.9873 | 0.9914 | 0.9958 | 0.9977 | 0.9988 | 0.9995 |
| 13047.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13042.5 | 0.9791 | 0.9845 | 0.9890 | 0.9932 | 0.9968 | 0.9983 | 0.9991 | 0.9997 |
| 13037.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13032.5 | 0.9814 | 0.9878 | 0.9924 | 0.9957 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 13027.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13022.5 | 0.9870 | 0.9929 | 0.9960 | 0.9978 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 13017.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9923 | 0.9965 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12997.5 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12992.5 | 0.9991 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12987.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| MEAN | 0.9878 | 0.9900 | 0.9925 | 0.9939 | 0.9959 | 0.9973 | 0.9984 | 0.9993 |

Table 4–3: Transmission functions for the A band at 200 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9288 | 0.9709 | 0.9851 | 0.9926 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 13192.5 | 0.9147 | 0.9650 | 0.9823 | 0.9911 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 13187.5 | 0.8955 | 0.9568 | 0.9782 | 0.9890 | 0.9956 | 0.9978 | 0.9989 | 0.9996 |
| 13182.5 | 0.8681 | 0.9450 | 0.9721 | 0.9860 | 0.9944 | 0.9972 | 0.9986 | 0.9994 |
| 13177.5 | 0.8262 | 0.9264 | 0.9623 | 0.9811 | 0.9924 | 0.9962 | 0.9981 | 0.9992 |
| 13172.5 | 0.7551 | 0.8936 | 0.9453 | 0.9722 | 0.9888 | 0.9944 | 0.9972 | 0.9989 |
| 13167.5 | 0.5869 | 0.7906 | 0.8823 | 0.9366 | 0.9734 | 0.9866 | 0.9932 | 0.9972 |
| 13162.5 | 0.0438 | 0.1692 | 0.3168 | 0.4793 | 0.6735 | 0.7879 | 0.8718 | 0.9403 |
| 13157.5 | 0.0039 | 0.0638 | 0.1881 | 0.3500 | 0.5477 | 0.6612 | 0.7596 | 0.8596 |
| 13152.5 | 0.0000 | 0.0060 | 0.0407 | 0.1230 | 0.2933 | 0.4406 | 0.5774 | 0.7328 |
| 13147.5 | 0. | 0.0010 | 0.0183 | 0.0960 | 0.3026 | 0.4784 | 0.6299 | 0.7765 |
| 13142.5 | 0. | 0.0002 | 0.0067 | 0.0515 | 0.2088 | 0.3681 | 0.5270 | 0.6870 |
| 13137.5 | 0. | 0.0018 | 0.0244 | 0.1110 | 0.3201 | 0.4888 | 0.6312 | 0.7701 |
| 13132.5 | 0.0003 | 0.0146 | 0.0723 | 0.1942 | 0.4068 | 0.5561 | 0.6811 | 0.8027 |
| 13127.5 | 0.0103 | 0.0732 | 0.1877 | 0.3444 | 0.5502 | 0.6765 | 0.7748 | 0.8703 |
| 13122.5 | 0.3120 | 0.6219 | 0.7872 | 0.8888 | 0.9530 | 0.9762 | 0.9880 | 0.9952 |
| 13117.5 | 0.0281 | 0.1726 | 0.3403 | 0.5233 | 0.7008 | 0.7932 | 0.8502 | 0.9106 |
| 13112.5 | 0.0019 | 0.0317 | 0.1079 | 0.2368 | 0.4595 | 0.5803 | 0.6941 | 0.8120 |
| 13107.5 | 0.0042 | 0.0485 | 0.1260 | 0.2381 | 0.4195 | 0.5334 | 0.6686 | 0.7875 |
| 13102.5 | 0.0075 | 0.0889 | 0.2291 | 0.3989 | 0.6011 | 0.7165 | 0.8025 | 0.8813 |
| 13097.5 | 0.0145 | 0.1182 | 0.2601 | 0.4172 | 0.6057 | 0.7169 | 0.8006 | 0.8775 |
| 13092.5 | 0.0015 | 0.0296 | 0.0968 | 0.2175 | 0.4149 | 0.5568 | 0.6758 | 0.7944 |
| 13087.5 | 0.0607 | 0.1966 | 0.3581 | 0.5133 | 0.6736 | 0.7638 | 0.8325 | 0.9000 |
| 13082.5 | 0.0920 | 0.2799 | 0.4314 | 0.5674 | 0.6952 | 0.7753 | 0.8387 | 0.9023 |
| 13077.5 | 0.0188 | 0.0969 | 0.2104 | 0.3566 | 0.5499 | 0.6702 | 0.7048 | 0.8506 |
| 13072.5 | 0.2413 | 0.5062 | 0.6738 | 0.7903 | 0.8857 | 0.9289 | 0.9570 | 0.9785 |
| 13067.5 | 0.1603 | 0.3119 | 0.4384 | 0.5600 | 0.6908 | 0.7646 | 0.8341 | 0.9028 |
| 13062.5 | 0.3020 | 0.5041 | 0.6402 | 0.7471 | 0.8456 | 0.8930 | 0.9308 | 0.9635 |
| 13057.5 | 0.4310 | 0.6157 | 0.7119 | 0.7864 | 0.8605 | 0.9016 | 0.9330 | 0.9635 |
| 13052.5 | 0.2909 | 0.4757 | 0.5904 | 0.7036 | 0.8095 | 0.8692 | 0.9141 | 0.9585 |
| 13047.5 | 0.7466 | 0.8782 | 0.9344 | 0.9659 | 0.9860 | 0.9929 | 0.9964 | 0.9986 |
| 13042.5 | 0.4031 | 0.5878 | 0.7001 | 0.7870 | 0.8707 | 0.9173 | 0.9509 | 0.9772 |
| 13037.5 | 0.8985 | 0.9578 | 0.9786 | 0.9892 | 0.9957 | 0.9978 | 0.9989 | 0.9996 |
| 13032.5 | 0.5496 | 0.7190 | 0.8028 | 0.8657 | 0.9245 | 0.9573 | 0.9742 | 0.9891 |
| 13027.5 | 0.9401 | 0.9793 | 0.9896 | 0.9948 | 0.9979 | 0.9990 | 0.9995 | 0.9998 |
| 13022.5 | 0.7153 | 0.8235 | 0.8821 | 0.9251 | 0.9642 | 0.9815 | 0.9915 | 0.9957 |
| 13017.5 | 0.9699 | 0.9878 | 0.9939 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 13012.5 | 0.8275 | 0.9020 | 0.9406 | 0.9661 | 0.9862 | 0.9918 | 0.9958 | 0.9983 |
| 13007.5 | 0.9790 | 0.9916 | 0.9958 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13002.5 | 0.9335 | 0.9678 | 0.9824 | 0.9901 | 0.9960 | 0.9980 | 0.9990 | 0.9996 |
| 12997.5 | 0.9602 | 0.9804 | 0.9890 | 0.9935 | 0.9975 | 0.9986 | 0.9993 | 0.9997 |
| 12992.5 | 0.9725 | 0.9877 | 0.9935 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 12987.5 | 0.9727 | 0.9879 | 0.9936 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 |
| 12982.5 | 0.9899 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12977.5 | 0.9705 | 0.9916 | 0.9958 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 12972.5 | 0.9915 | 0.9966 | 0.9983 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 12967.5 | 0.9893 | 0.9957 | 0.9979 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12962.5 | 0.9920 | 0.9971 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| MEAN | 0.6325 | 0.6960 | 0.7411 | 0.7806 | 0.8521 | 0.8916 | 0.9228 | 0.9535 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9593 | 0.9835 | 0.9917 | 0.9958 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 13192.5 | 0.9511 | 0.9801 | 0.9900 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 13187.5 | 0.9308 | 0.9755 | 0.9877 | 0.9938 | 0.9975 | 0.9988 | 0.9994 | 0.9998 |
| 13182.5 | 0.9235 | 0.9687 | 0.9842 | 0.9921 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 13177.5 | 0.8982 | 0.9579 | 0.9787 | 0.9893 | 0.9957 | 0.9979 | 0.9989 | 0.9996 |
| 13172.5 | 0.8557 | 0.9386 | 0.9688 | 0.9843 | 0.9937 | 0.9968 | 0.9984 | 0.9994 |
| 13167.5 | 0.7244 | 0.8649 | 0.9250 | 0.9599 | 0.9832 | 0.9915 | 0.9957 | 0.9983 |
| 13162.5 | 0.1065 | 0.2788 | 0.4361 | 0.5860 | 0.7476 | 0.8374 | 0.9020 | 0.9546 |
| 13157.5 | 0.0273 | 0.1606 | 0.3191 | 0.4784 | 0.6429 | 0.7379 | 0.8117 | 0.8926 |
| 13152.5 | 0.0013 | 0.0330 | 0.1041 | 0.2213 | 0.4112 | 0.5467 | 0.6684 | 0.7951 |
| 13147.5 | 0.0001 | 0.0123 | 0.0751 | 0.2134 | 0.4455 | 0.6018 | 0.7215 | 0.8348 |
| 13142.5 | 0. | 0.0036 | 0.0381 | 0.1360 | 0.3366 | 0.4917 | 0.6247 | 0.7597 |
| 13137.5 | 0.0002 | 0.0165 | 0.0883 | 0.2316 | 0.4378 | 0.6055 | 0.7162 | 0.8270 |
| 13132.5 | 0.0044 | 0.0544 | 0.1666 | 0.3229 | 0.5306 | 0.6584 | 0.7548 | 0.8505 |
| 13127.5 | 0.0362 | 0.1632 | 0.3148 | 0.4750 | 0.6532 | 0.7538 | 0.8253 | 0.9017 |
| 13122.5 | 0.5130 | 0.7626 | 0.8725 | 0.9339 | 0.9737 | 0.9866 | 0.9932 | 0.9973 |
| 13117.5 | 0.0993 | 0.3143 | 0.4920 | 0.6396 | 0.7769 | 0.8465 | 0.8953 | 0.9400 |
| 13112.5 | 0.0132 | 0.0889 | 0.2095 | 0.3608 | 0.5543 | 0.6760 | 0.7672 | 0.8570 |
| 13107.5 | 0.0241 | 0.1093 | 0.2151 | 0.3482 | 0.5292 | 0.6472 | 0.7638 | 0.8375 |
| 13102.5 | 0.0429 | 0.1992 | 0.3668 | 0.5297 | 0.6969 | 0.7874 | 0.8536 | 0.9121 |
| 13097.5 | 0.0639 | 0.2334 | 0.3677 | 0.5371 | 0.6980 | 0.7862 | 0.8505 | 0.9140 |
| 13092.5 | 0.0119 | 0.0821 | 0.1839 | 0.3379 | 0.5721 | 0.6945 | 0.8470 | 0.9470 |
| 13087.5 | 0.1740 | 0.3274 | 0.4463 | 0.6201 | 0.7645 | 0.8187 | 0.8748 | 0.9262 |
| 13082.5 | 0.2003 | 0.4051 | 0.5363 | 0.6477 | 0.7607 | 0.8277 | 0.8701 | 0.9266 |
| 13077.5 | 0.0582 | 0.1866 | 0.3287 | 0.4793 | 0.6685 | 0.7467 | 0.8203 | 0.8913 |
| 13072.5 | 0.4071 | 0.6460 | 0.7715 | 0.8550 | 0.9216 | 0.9517 | 0.9714 | 0.9868 |
| 13067.5 | 0.2506 | 0.4148 | 0.5386 | 0.6449 | 0.7550 | 0.8105 | 0.8725 | 0.9257 |
| 13062.5 | 0.4270 | 0.6161 | 0.7290 | 0.8121 | 0.8855 | 0.9220 | 0.9484 | 0.9726 |
| 13057.5 | 0.5570 | 0.6944 | 0.7734 | 0.8345 | 0.8933 | 0.9250 | 0.9489 | 0.9721 |
| 13052.5 | 0.4088 | 0.5777 | 0.6852 | 0.7709 | 0.8542 | 0.9003 | 0.9360 | 0.9686 |
| 13047.5 | 0.8562 | 0.9260 | 0.9612 | 0.9802 | 0.9919 | 0.9960 | 0.9980 | 0.9992 |
| 13042.5 | 0.5211 | 0.6805 | 0.7705 | 0.8378 | 0.9017 | 0.9369 | 0.9628 | 0.9827 |
| 13037.5 | 0.9406 | 0.9756 | 0.9877 | 0.9958 | 0.9975 | 0.9988 | 0.9994 | 0.9998 |
| 13032.5 | 0.6674 | 0.7869 | 0.8505 | 0.8981 | 0.9443 | 0.9675 | 0.9817 | 0.9916 |
| 13027.5 | 0.9707 | 0.9882 | 0.9941 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 13022.5 | 0.7469 | 0.8660 | 0.9111 | 0.9440 | 0.9731 | 0.9852 | 0.9919 | 0.9967 |
| 13017.5 | 0.9828 | 0.9931 | 0.9965 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 13012.5 | 0.8714 | 0.9266 | 0.9555 | 0.9748 | 0.9876 | 0.9936 | 0.9968 | 0.9987 |
| 13007.5 | 0.9881 | 0.9952 | 0.9976 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 13002.5 | 0.9523 | 0.9774 | 0.9874 | 0.9928 | 0.9970 | 0.9985 | 0.9993 | 0.9997 |
| 12997.5 | 0.9712 | 0.9855 | 0.9917 | 0.9949 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |
| 12992.5 | 0.9813 | 0.9914 | 0.9956 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 12987.5 | 0.9813 | 0.9915 | 0.9956 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 12982.5 | 0.9943 | 0.9977 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12977.5 | 0.9961 | 0.9963 | 0.9972 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |
| 12972.5 | 0.9962 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12967.5 | 0.9933 | 0.9971 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 12962.5 | 0.9968 | 0.9986 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| MEAN | 0.6700 | 0.7322 | 0.7808 | 0.8285 | 0.8833 | 0.9142 | 0.9412 | 0.9648 |

| CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9817 | 0.9926 | 0.9963 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 13192.5 | 0.9780 | 0.9911 | 0.9956 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 13187.5 | 0.9725 | 0.9890 | 0.9945 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 13182.5 | 0.9653 | 0.9860 | 0.9930 | 0.9965 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 13177.5 | 0.9534 | 0.9811 | 0.9905 | 0.9952 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 13172.5 | 0.9321 | 0.9722 | 0.9860 | 0.9930 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 13167.5 | 0.8483 | 0.9265 | 0.9594 | 0.9785 | 0.9910 | 0.9954 | 0.9977 | 0.9991 |
| 13162.5 | 0.2462 | 0.4472 | 0.5902 | 0.7090 | 0.8256 | 0.8880 | 0.9320 | 0.9690 |
| 13157.5 | 0.1352 | 0.3423 | 0.4968 | 0.6225 | 0.7464 | 0.8159 | 0.8705 | 0.9263 |
| 13152.5 | 0.0234 | 0.1180 | 0.2408 | 0.3845 | 0.5655 | 0.6743 | 0.7626 | 0.8573 |
| 13147.5 | 0.0075 | 0.0901 | 0.2371 | 0.4135 | 0.6203 | 0.7343 | 0.8188 | 0.8910 |
| 13142.5 | 0.0021 | 0.0476 | 0.1549 | 0.3088 | 0.5112 | 0.6394 | 0.7394 | 0.8345 |
| 13137.5 | 0.0106 | 0.1044 | 0.2549 | 0.4267 | 0.6229 | 0.7335 | 0.8134 | 0.8836 |
| 13132.5 | 0.0450 | 0.1861 | 0.3454 | 0.5038 | 0.6730 | 0.7666 | 0.8354 | 0.8990 |
| 13127.5 | 0.1425 | 0.3407 | 0.4988 | 0.6327 | 0.7639 | 0.8332 | 0.8844 | 0.9336 |
| 13122.5 | 0.7377 | 0.8841 | 0.9398 | 0.9694 | 0.9878 | 0.9938 | 0.9969 | 0.9988 |
| 13117.5 | 0.2804 | 0.5143 | 0.6537 | 0.7604 | 0.8531 | 0.8987 | 0.9302 | 0.9601 |
| 13112.5 | 0.0727 | 0.2301 | 0.3828 | 0.5292 | 0.6873 | 0.7758 | 0.8444 | 0.9034 |
| 13107.5 | 0.0949 | 0.2342 | 0.3697 | 0.5067 | 0.6620 | 0.7532 | 0.8251 | 0.8895 |
| 13102.5 | 0.1719 | 0.3906 | 0.5501 | 0.6774 | 0.7981 | 0.8604 | 0.9060 | 0.9422 |
| 13097.5 | 0.2030 | 0.4093 | 0.5570 | 0.6793 | 0.7965 | 0.8595 | 0.9064 | 0.9461 |
| 13092.5 | 0.0676 | 0.2136 | 0.3620 | 0.5083 | 0.6705 | 0.7616 | 0.8284 | 0.8924 |
| 13087.5 | 0.2989 | 0.5070 | 0.6372 | 0.7340 | 0.8280 | 0.8805 | 0.9184 | 0.9519 |
| 13082.5 | 0.3749 | 0.5542 | 0.6604 | 0.7486 | 0.8354 | 0.8843 | 0.9195 | 0.9512 |
| 13077.5 | 0.1654 | 0.3517 | 0.5007 | 0.6285 | 0.7579 | 0.8248 | 0.8778 | 0.9283 |
| 13072.5 | 0.6172 | 0.7848 | 0.8636 | 0.9142 | 0.9545 | 0.9720 | 0.9846 | 0.9932 |
| 13067.5 | 0.3929 | 0.5551 | 0.6586 | 0.7505 | 0.8268 | 0.8756 | 0.9126 | 0.9488 |
| 13062.5 | 0.5924 | 0.7417 | 0.8212 | 0.8769 | 0.9240 | 0.9484 | 0.9650 | 0.9810 |
| 13057.5 | 0.4774 | 0.7830 | 0.8418 | 0.8841 | 0.9227 | 0.9467 | 0.9650 | 0.9828 |
| 13052.5 | 0.5376 | 0.6992 | 0.7808 | 0.8425 | 0.9003 | 0.9318 | 0.9564 | 0.9786 |
| 13047.5 | 0.9169 | 0.9644 | 0.9819 | 0.9909 | 0.9963 | 0.9982 | 0.9991 | 0.9996 |
| 13042.5 | 0.6821 | 0.7828 | 0.8637 | 0.8896 | 0.9329 | 0.9575 | 0.9749 | 0.9856 |
| 13037.5 | 0.9522 | 0.9888 | 0.9944 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 13032.5 | 0.7729 | 0.8553 | 0.8889 | 0.9311 | 0.9621 | 0.9778 | 0.9873 | 0.9937 |
| 13027.5 | 0.9864 | 0.9946 | 0.9973 | 0.9986 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 13022.5 | 0.6354 | 0.9103 | 0.9398 | 0.9622 | 0.9820 | 0.9930 | 0.9944 | 0.9977 |
| 13017.5 | 0.9623 | 0.9960 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13012.5 | 0.9142 | 0.9538 | 0.9702 | 0.9831 | 0.9915 | 0.9956 | 0.9978 | 0.9991 |
| 13007.5 | 0.9947 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13002.5 | 0.9709 | 0.9861 | 0.9922 | 0.9953 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 12997.5 | 0.9807 | 0.9909 | 0.9943 | 0.9964 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 12992.5 | 0.9888 | 0.9943 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 12987.5 | 0.9886 | 0.9948 | 0.9971 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 12982.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12977.5 | 0.9638 | 0.9863 | 0.9983 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 12972.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12962.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.7332 | 0.7872 | 0.8344 | 0.8759 | 0.9180 | 0.9428 | 0.9602 | 0.9782 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9910 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13192.5 | 0.9891 | 0.9956 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13187.5 | 0.9866 | 0.9946 | 0.9973 | 0.9986 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 13182.5 | 0.9828 | 0.9931 | 0.9965 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 13177.5 | 0.9769 | 0.9907 | 0.9953 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 13172.5 | 0.9661 | 0.9863 | 0.9931 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 13167.5 | 0.9096 | 0.9560 | 0.9757 | 0.9872 | 0.9947 | 0.9973 | 0.9986 | 0.9994 |
| 13162.5 | 0.3035 | 0.5820 | 0.6992 | 0.7886 | 0.8734 | 0.9191 | 0.9510 | 0.9780 |
| 13157.5 | 0.2892 | 0.4970 | 0.6226 | 0.7197 | 0.8139 | 0.8654 | 0.9058 | 0.9470 |
| 13152.5 | 0.0887 | 0.2416 | 0.3868 | 0.5244 | 0.6772 | 0.7647 | 0.8357 | 0.8972 |
| 13147.5 | 0.0375 | 0.2368 | 0.4137 | 0.5734 | 0.7363 | 0.8181 | 0.8766 | 0.9238 |
| 13142.5 | 0.0277 | 0.1552 | 0.3079 | 0.4649 | 0.6396 | 0.7386 | 0.8129 | 0.8806 |
| 13137.5 | 0.0688 | 0.2546 | 0.4267 | 0.5801 | 0.7317 | 0.8111 | 0.8670 | 0.9179 |
| 13132.5 | 0.1410 | 0.3453 | 0.5032 | 0.6367 | 0.7663 | 0.8343 | 0.8837 | 0.9280 |
| 13127.5 | 0.2917 | 0.5015 | 0.6347 | 0.7375 | 0.8322 | 0.8814 | 0.9179 | 0.9529 |
| 13122.5 | 0.8586 | 0.9400 | 0.9692 | 0.9845 | 0.9938 | 0.9969 | 0.9984 | 0.9994 |
| 13117.5 | 0.4601 | 0.6552 | 0.7593 | 0.8338 | 0.8980 | 0.9205 | 0.9515 | 0.9718 |
| 13112.5 | 0.1852 | 0.3857 | 0.5207 | 0.6530 | 0.7753 | 0.8403 | 0.8875 | 0.9313 |
| 13107.5 | 0.1964 | 0.3717 | 0.5089 | 0.6289 | 0.7535 | 0.8226 | 0.8738 | 0.9213 |
| 13102.5 | 0.3358 | 0.5503 | 0.6779 | 0.7734 | 0.8606 | 0.9058 | 0.9337 | 0.9595 |
| 13097.5 | 0.3578 | 0.5572 | 0.6799 | 0.7725 | 0.8577 | 0.9003 | 0.9297 | 0.9559 |
| 13092.5 | 0.1723 | 0.3647 | 0.5118 | 0.6369 | 0.7622 | 0.8290 | 0.8776 | 0.9228 |
| 13087.5 | 0.4611 | 0.6379 | 0.7346 | 0.8063 | 0.8806 | 0.9181 | 0.9441 | 0.9666 |
| 13082.5 | 0.5135 | 0.6598 | 0.7459 | 0.8163 | 0.8842 | 0.9181 | 0.9434 | 0.9657 |
| 13077.5 | 0.3049 | 0.5025 | 0.6299 | 0.7336 | 0.8267 | 0.8766 | 0.9131 | 0.9473 |
| 13072.5 | 0.7506 | 0.8630 | 0.9140 | 0.9465 | 0.9726 | 0.9843 | 0.9913 | 0.9964 |
| 13067.5 | 0.5194 | 0.6594 | 0.7401 | 0.8070 | 0.8750 | 0.9106 | 0.9368 | 0.9629 |
| 13062.5 | 0.7106 | 0.8218 | 0.8766 | 0.9147 | 0.9474 | 0.9636 | 0.9758 | 0.9889 |
| 13057.5 | 0.7606 | 0.8422 | 0.8863 | 0.9186 | 0.9479 | 0.9631 | 0.9748 | 0.9863 |
| 13052.5 | 0.6698 | 0.7816 | 0.8624 | 0.8871 | 0.9284 | 0.9511 | 0.9689 | 0.9849 |
| 13047.5 | 0.9562 | 0.9819 | 0.9908 | 0.9954 | 0.9982 | 0.9991 | 0.9995 | 0.9998 |
| 13042.5 | 0.7568 | 0.8436 | 0.8885 | 0.9207 | 0.9520 | 0.9696 | 0.9825 | 0.9919 |
| 13037.5 | 0.9859 | 0.9943 | 0.9972 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |
| 13032.5 | 0.8388 | 0.8977 | 0.9281 | 0.9508 | 0.9728 | 0.9841 | 0.9909 | 0.9954 |
| 13027.5 | 0.9933 | 0.9973 | 0.9986 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13022.5 | 0.8978 | 0.9360 | 0.9570 | 0.9731 | 0.9873 | 0.9930 | 0.9960 | 0.9984 |
| 13017.5 | 0.9961 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13012.5 | 0.9393 | 0.9651 | 0.9789 | 0.9881 | 0.9941 | 0.9970 | 0.9985 | 0.9994 |
| 13007.5 | 0.9974 | 0.9989 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13002.5 | 0.9808 | 0.9908 | 0.9949 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 |
| 12997.5 | 0.9860 | 0.9928 | 0.9959 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 12992.5 | 0.9927 | 0.9968 | 0.9981 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12987.5 | 0.9924 | 0.9963 | 0.9983 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 12982.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9968 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12972.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.7714 | 0.8542 | 0.8757 | 0.9094 | 0.9425 | 0.9596 | 0.9718 | 0.9831 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13192.5 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13187.5 | 0.9956 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13182.5 | 0.9944 | 0.9977 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13177.5 | 0.9924 | 0.9970 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 13172.5 | 0.9888 | 0.9955 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 0.9999 |
| 13167.5 | 0.9577 | 0.9791 | 0.9886 | 0.9940 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 13162.5 | 0.6069 | 0.7450 | 0.8162 | 0.8700 | 0.9224 | 0.9514 | 0.9718 | 0.9873 |
| 13157.5 | 0.5209 | 0.6806 | 0.7639 | 0.8268 | 0.8850 | 0.9166 | 0.9421 | 0.9683 |
| 13152.5 | 0.2763 | 0.4661 | 0.5951 | 0.7006 | 0.8031 | 0.8578 | 0.8982 | 0.9375 |
| 13147.5 | 0.2779 | 0.5083 | 0.6518 | 0.7591 | 0.8525 | 0.8971 | 0.9280 | 0.9556 |
| 13142.5 | 0.1905 | 0.4001 | 0.5469 | 0.6673 | 0.7832 | 0.8453 | 0.8871 | 0.9277 |
| 13137.5 | 0.2952 | 0.5169 | 0.6521 | 0.7552 | 0.8447 | 0.8905 | 0.9228 | 0.9516 |
| 13132.5 | 0.3849 | 0.5822 | 0.6975 | 0.7848 | 0.8633 | 0.9050 | 0.9333 | 0.9569 |
| 13127.5 | 0.5418 | 0.6999 | 0.7852 | 0.8463 | 0.9016 | 0.9302 | 0.9518 | 0.9725 |
| 13122.5 | 0.9491 | 0.9790 | 0.9895 | 0.9946 | 0.9978 | 0.9989 | 0.9995 | 0.9998 |
| 13117.5 | 0.6826 | 0.8039 | 0.8643 | 0.9062 | 0.9420 | 0.9594 | 0.9718 | 0.9833 |
| 13112.5 | 0.4216 | 0.6039 | 0.7112 | 0.7951 | 0.8682 | 0.9066 | 0.9332 | 0.9592 |
| 13107.5 | 0.4093 | 0.5828 | 0.6899 | 0.7734 | 0.8536 | 0.8956 | 0.9257 | 0.9536 |
| 13102.5 | 0.5847 | 0.7359 | 0.8161 | 0.8728 | 0.9221 | 0.9459 | 0.9619 | 0.9757 |
| 13097.5 | 0.5895 | 0.7360 | 0.8146 | 0.8702 | 0.9184 | 0.9421 | 0.9598 | 0.9737 |
| 13092.5 | 0.4061 | 0.5887 | 0.6986 | 0.7819 | 0.8588 | 0.8982 | 0.9267 | 0.9535 |
| 13087.5 | 0.6650 | 0.7791 | 0.8434 | 0.8918 | 0.9341 | 0.9544 | 0.9682 | 0.9806 |
| 13082.5 | 0.6810 | 0.7871 | 0.8485 | 0.8939 | 0.9338 | 0.9536 | 0.9673 | 0.9798 |
| 13077.5 | 0.5381 | 0.6933 | 0.7788 | 0.8412 | 0.8983 | 0.9272 | 0.9480 | 0.9680 |
| 13072.5 | 0.8763 | 0.9335 | 0.9592 | 0.9758 | 0.9887 | 0.9940 | 0.9969 | 0.9987 |
| 13067.5 | 0.6823 | 0.7806 | 0.8401 | 0.8852 | 0.9252 | 0.9456 | 0.9610 | 0.9774 |
| 13062.5 | 0.8369 | 0.8998 | 0.9307 | 0.9515 | 0.9693 | 0.9783 | 0.9854 | 0.9924 |
| 13057.5 | 0.8549 | 0.9065 | 0.9330 | 0.9518 | 0.9687 | 0.9776 | 0.9848 | 0.9920 |
| 13052.5 | 0.7996 | 0.8700 | 0.9061 | 0.9326 | 0.9568 | 0.9706 | 0.9817 | 0.9915 |
| 13047.5 | 0.9865 | 0.9937 | 0.9968 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13042.5 | 0.8568 | 0.9075 | 0.9333 | 0.9526 | 0.9713 | 0.9822 | 0.9898 | 0.9955 |
| 13037.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 13032.5 | 0.9058 | 0.9394 | 0.9566 | 0.9700 | 0.9838 | 0.9907 | 0.9947 | 0.9974 |
| 13027.5 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13022.5 | 0.9395 | 0.9617 | 0.9743 | 0.9844 | 0.9927 | 0.9960 | 0.9978 | 0.9991 |
| 13017.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9637 | 0.9793 | 0.9878 | 0.9932 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 13007.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9897 | 0.9952 | 0.9974 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 12997.5 | 0.9914 | 0.9958 | 0.9977 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |
| 12992.5 | 0.9963 | 0.9983 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12987.5 | 0.9959 | 0.9980 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12982.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9976 | 0.9989 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12972.5 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.8448 | 0.8855 | 0.9244 | 0.9464 | 0.9661 | 0.9742 | 0.9833 | 0.9900 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13192.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13182.5 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13177.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13172.5 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13167.5 | 0.9813 | 0.9906 | 0.9949 | 0.9973 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 13162.5 | 0.7825 | 0.8561 | 0.8969 | 0.9260 | 0.9576 | 0.9744 | 0.9855 | 0.9937 |
| 13157.5 | 0.7333 | 0.8229 | 0.8606 | 0.9029 | 0.9338 | 0.9521 | 0.9677 | 0.9832 |
| 13152.5 | 0.5472 | 0.6965 | 0.7770 | 0.8382 | 0.8935 | 0.9212 | 0.9475 | 0.9645 |
| 13147.5 | 0.5973 | 0.7520 | 0.8294 | 0.8817 | 0.9258 | 0.9469 | 0.9615 | 0.9736 |
| 13142.5 | 0.4960 | 0.6626 | 0.7559 | 0.8236 | 0.8847 | 0.9136 | 0.9379 | 0.9601 |
| 13137.5 | 0.6019 | 0.7472 | 0.8224 | 0.8744 | 0.9206 | 0.9429 | 0.9582 | 0.9720 |
| 13132.5 | 0.6553 | 0.7796 | 0.8437 | 0.8893 | 0.9288 | 0.9483 | 0.9622 | 0.9746 |
| 13127.5 | 0.7595 | 0.8453 | 0.8890 | 0.9202 | 0.9481 | 0.9627 | 0.9742 | 0.9860 |
| 13122.5 | 0.9859 | 0.9943 | 0.9971 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 13117.5 | 0.8429 | 0.9036 | 0.9330 | 0.9531 | 0.9700 | 0.9783 | 0.9845 | 0.9911 |
| 13112.5 | 0.6730 | 0.7893 | 0.8499 | 0.8935 | 0.9315 | 0.9504 | 0.9650 | 0.9774 |
| 13107.5 | 0.6341 | 0.7710 | 0.8351 | 0.8819 | 0.9240 | 0.9451 | 0.9600 | 0.9742 |
| 13102.5 | 0.7882 | 0.8701 | 0.9104 | 0.9379 | 0.9610 | 0.9717 | 0.9789 | 0.9855 |
| 13097.5 | 0.7869 | 0.8675 | 0.9072 | 0.9344 | 0.9580 | 0.9695 | 0.9775 | 0.9854 |
| 13092.5 | 0.6625 | 0.7791 | 0.8409 | 0.8853 | 0.9250 | 0.9453 | 0.9601 | 0.9748 |
| 13087.5 | 0.8207 | 0.8898 | 0.9245 | 0.9479 | 0.9673 | 0.9766 | 0.9830 | 0.9893 |
| 13082.5 | 0.8257 | 0.8911 | 0.9239 | 0.9468 | 0.9662 | 0.9755 | 0.9820 | 0.9886 |
| 13077.5 | 0.7503 | 0.8392 | 0.8852 | 0.9176 | 0.9459 | 0.9580 | 0.9706 | 0.9826 |
| 13072.5 | 0.9494 | 0.9745 | 0.9855 | 0.9922 | 0.9967 | 0.9983 | 0.9992 | 0.9997 |
| 13067.5 | 0.8204 | 0.8839 | 0.9150 | 0.9383 | 0.9581 | 0.9688 | 0.9778 | 0.9878 |
| 13062.5 | 0.9204 | 0.9505 | 0.9668 | 0.9745 | 0.9831 | 0.9880 | 0.9923 | 0.9963 |
| 13057.5 | 0.9245 | 0.9512 | 0.9646 | 0.9740 | 0.9825 | 0.9876 | 0.9920 | 0.9962 |
| 13052.5 | 0.8947 | 0.9313 | 0.9497 | 0.9629 | 0.9760 | 0.9843 | 0.9908 | 0.9960 |
| 13047.5 | 0.9957 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13042.5 | 0.9247 | 0.9505 | 0.9635 | 0.9735 | 0.9843 | 0.9908 | 0.9949 | 0.9978 |
| 13037.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13032.5 | 0.9497 | 0.9660 | 0.9754 | 0.9836 | 0.9917 | 0.9956 | 0.9974 | 0.9988 |
| 13027.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13022.5 | 0.9666 | 0.9787 | 0.9863 | 0.9920 | 0.9964 | 0.9980 | 0.9990 | 0.9996 |
| 13017.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9798 | 0.9892 | 0.9939 | 0.9967 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 13007.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9933 | 0.9970 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12997.5 | 0.9953 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 12992.5 | 0.9984 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12987.5 | 0.9980 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12982.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12972.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9140 | 0.9449 | 0.9608 | 0.9722 | 0.9822 | 0.9873 | 0.9909 | 0.9945 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 13197.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13192.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13182.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13177.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13172.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13167.5 | 0.9905 | 0.9954 | 0.9973 | 0.9987 | 0.9995 | 0.9997 | 0.9998 | 0.9999 |
| 13162.5 | 0.8719 | 0.9124 | 0.9369 | 0.9569 | 0.9765 | 0.9864 | 0.9926 | 0.9968 |
| 13157.5 | 0.8520 | 0.8999 | 0.9237 | 0.9412 | 0.9595 | 0.9715 | 0.9818 | 0.9911 |
| 13152.5 | 0.7459 | 0.8361 | 0.8790 | 0.9099 | 0.9369 | 0.9515 | 0.9636 | 0.9779 |
| 13147.5 | 0.7990 | 0.8774 | 0.9144 | 0.9392 | 0.9593 | 0.9694 | 0.9772 | 0.9858 |
| 13142.5 | 0.7233 | 0.8208 | 0.8703 | 0.9352 | 0.9355 | 0.9517 | 0.9640 | 0.9786 |
| 13137.5 | 0.7962 | 0.8712 | 0.9093 | 0.9350 | 0.9564 | 0.9670 | 0.9759 | 0.9861 |
| 13132.5 | 0.8201 | 0.8864 | 0.9189 | 0.9413 | 0.9601 | 0.9700 | 0.9780 | 0.9871 |
| 13127.5 | 0.8759 | 0.9198 | 0.9414 | 0.9567 | 0.9709 | 0.9792 | 0.9843 | 0.9933 |
| 13122.5 | 0.9960 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13117.5 | 0.9224 | 0.9519 | 0.9658 | 0.9750 | 0.9830 | 0.9874 | 0.9912 | 0.9953 |
| 13112.5 | 0.8283 | 0.8913 | 0.9224 | 0.9437 | 0.9618 | 0.9710 | 0.9783 | 0.9867 |
| 13107.5 | 0.8132 | 0.8831 | 0.9143 | 0.9380 | 0.9583 | 0.9686 | 0.9760 | 0.9863 |
| 13102.5 | 0.8980 | 0.9366 | 0.9554 | 0.9679 | 0.9782 | 0.9829 | 0.9842 | 0.9906 |
| 13097.5 | 0.8930 | 0.9320 | 0.9524 | 0.9658 | 0.9767 | 0.9822 | 0.9849 | 0.9922 |
| 13092.5 | 0.8196 | 0.8834 | 0.9156 | 0.9384 | 0.9584 | 0.9688 | 0.9771 | 0.9865 |
| 13087.5 | 0.9126 | 0.9469 | 0.9628 | 0.9734 | 0.9819 | 0.9862 | 0.9899 | 0.9932 |
| 13082.5 | 0.9116 | 0.9452 | 0.9613 | 0.9721 | 0.9810 | 0.9855 | 0.9881 | 0.9931 |
| 13077.5 | 0.8690 | 0.9165 | 0.9393 | 0.9548 | 0.9682 | 0.9760 | 0.9829 | 0.9904 |
| 13072.5 | 0.9811 | 0.9915 | 0.9956 | 0.9978 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 13067.5 | 0.9057 | 0.9374 | 0.9529 | 0.9639 | 0.9745 | 0.9810 | 0.9871 | 0.9934 |
| 13062.5 | 0.9600 | 0.9739 | 0.9804 | 0.9852 | 0.9903 | 0.9936 | 0.9962 | 0.9983 |
| 13057.5 | 0.9603 | 0.9735 | 0.9800 | 0.9848 | 0.9900 | 0.9934 | 0.9962 | 0.9983 |
| 13052.5 | 0.9436 | 0.9613 | 0.9706 | 0.9780 | 0.9866 | 0.9919 | 0.9958 | 0.9982 |
| 13047.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13042.5 | 0.9533 | 0.9710 | 0.9781 | 0.9844 | 0.9916 | 0.9953 | 0.9975 | 0.9990 |
| 13037.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13032.5 | 0.9702 | 0.9798 | 0.9862 | 0.9914 | 0.9959 | 0.9978 | 0.9988 | 0.9994 |
| 13027.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13022.5 | 0.9800 | 0.9879 | 0.9927 | 0.9959 | 0.9982 | 0.9991 | 0.9995 | 0.9998 |
| 13017.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13012.5 | 0.9887 | 0.9944 | 0.9969 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 13007.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13002.5 | 0.9980 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12997.5 | 0.9978 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 12992.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12987.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12977.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12967.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9568 | 0.9711 | 0.9793 | 0.9849 | 0.9900 | 0.9926 | 0.9947 | 0.9969 |

| CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.9434 | 0.9601 | 0.9689 | 0.9757 | 0.9825 | 0.9870 | 0.9913 | 0.9936 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9917 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.9374 | 0.9676 | 0.9741 | 0.9792 | 0.9852 | 0.9898 | 0.9938 | 0.9972 |
| 13182.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9410 | 0.9867 | 0.9601 | 0.9927 | 0.9956 | 0.9974 | 0.9986 | 0.9994 |
| 13177.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9908 | 0.9864 | 0.9899 | 0.9927 | 0.9957 | 0.9973 | 0.9987 | 0.9994 |
| 13172.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.9710 | 0.9791 | 0.9842 | 0.9888 | 0.9941 | 0.9968 | 0.9983 | 0.9993 |
| 13167.5 | 0.9918 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 13047.5 | 0.9987 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13162.5 | 0.9265 | 0.9570 | 0.9660 | 0.9782 | 0.9892 | 0.9941 | 0.9960 | 0.9987 | 13042.5 | 0.9770 | 0.9833 | 0.9870 | 0.9922 | 0.9963 | 0.9980 | 0.9990 | 0.9996 |
| 13157.5 | 0.9211 | 0.9451 | 0.9561 | 0.9657 | 0.9774 | 0.9855 | 0.9915 | 0.9962 | 13037.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13152.5 | 0.8848 | 0.9199 | 0.9371 | 0.9483 | 0.9581 | 0.9676 | 0.9771 | 0.9881 | 13032.5 | 0.9840 | 0.9887 | 0.9935 | 0.9963 | 0.9986 | 0.9991 | 0.9995 | 0.9998 |
| 13147.5 | 0.9181 | 0.9471 | 0.9604 | 0.9694 | 0.9770 | 0.9839 | 0.9870 | 0.9930 | 13027.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.8799 | 0.9194 | 0.9381 | 0.9524 | 0.9670 | 0.9759 | 0.9816 | 0.9917 | 13022.5 | 0.9947 | 0.9962 | 0.9988 | 0.9983 | 0.9995 | 0.9996 | 0.9998 | 0.9999 |
| 13137.5 | 0.9143 | 0.9445 | 0.9579 | 0.9674 | 0.9766 | 0.9817 | 0.9886 | 0.9915 | 13017.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.9217 | 0.9494 | 0.9614 | 0.9702 | 0.9797 | 0.9843 | 0.9891 | 0.9945 | 13012.5 | 0.9948 | 0.9976 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 13127.5 | 0.9419 | 0.9626 | 0.9714 | 0.9785 | 0.9861 | 0.9878 | 0.9946 | 0.9974 | 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9002 | 0.9037 | 0.9008 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13002.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13117.5 | 0.9678 | 0.9782 | 0.9831 | 0.9871 | 0.9909 | 0.9936 | 0.9967 | 0.9978 | 12997.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13112.5 | 0.2275 | 0.4517 | 0.9629 | 0.9739 | 0.9781 | 0.9826 | 0.9871 | 0.9928 | 12992.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13107.5 | 0.9205 | 0.9477 | 0.9604 | 0.9690 | 0.9762 | 0.9823 | 0.9862 | 0.9928 | 12987.5 | 0.9994 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13102.5 | 0.9587 | 0.9725 | 0.9790 | 0.9832 | 0.9867 | 0.9886 | 0.9913 | 0.9948 | 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.9556 | 0.9730 | 0.9777 | 0.9825 | 0.9874 | 0.9913 | 0.9932 | 0.9940 | 12977.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13092.5 | 0.9213 | 0.9475 | 0.9601 | 0.9694 | 0.9784 | 0.9847 | 0.9884 | 0.9945 | 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.9435 | 0.9771 | 0.9825 | 0.9857 | 0.9874 | 0.9897 | 0.9941 | 0.9941 | 12967.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13082.5 | 0.9434 | 0.9758 | 0.9814 | 0.9855 | 0.9885 | 0.9904 | 0.9933 | 0.9949 | 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9870 | 0.9844 | 0.9894 | 0.9927 | 0.9945 | 0.9959 | 0.9972 | 0.9985 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13197.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13077.5 | 0.9650 | 0.9745 | 0.9790 | 0.9820 | 0.9869 | 0.9912 | 0.9947 | 0.9975 |
| 13192.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13072.5 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 13187.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13067.5 | 0.9408 | 0.9775 | 0.9811 | 0.9847 | 0.9892 | 0.9930 | 0.9968 | 0.9985 |
| 13182.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13062.5 | 0.9885 | 0.9918 | 0.9936 | 0.9954 | 0.9976 | 0.9986 | 0.9993 | 0.9997 |
| 13177.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13057.5 | 0.9884 | 0.9920 | 0.9939 | 0.9957 | 0.9978 | 0.9988 | 0.9994 | 0.9998 |
| 13172.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13052.5 | 0.9808 | 0.9866 | 0.9899 | 0.9935 | 0.9970 | 0.9986 | 0.9992 | 0.9997 |
| 13167.5 | 0.9977 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 13047.5 | 0.9990 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13162.5 | 0.9484 | 0.9672 | 0.9787 | 0.9873 | 0.9942 | 0.9977 | 0.9984 | 0.9994 | 13042.5 | 0.9831 | 0.9885 | 0.9925 | 0.9956 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 13157.5 | 0.9488 | 0.9607 | 0.9682 | 0.9758 | 0.9858 | 0.9916 | 0.9954 | 0.9980 | 13037.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13152.5 | 0.9262 | 0.9630 | 0.9479 | 0.9560 | 0.9659 | 0.9763 | 0.9842 | 0.9930 | 13032.5 | 0.9888 | 0.9936 | 0.9964 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 13147.5 | 0.9536 | 0.9672 | 0.9727 | 0.9769 | 0.9824 | 0.9871 | 0.9912 | 0.9961 | 13027.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13142.5 | 0.9303 | 0.9506 | 0.9620 | 0.9713 | 0.9800 | 0.9858 | 0.9912 | 0.9960 | 13022.5 | 0.9933 | 0.9968 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 13137.5 | 0.9515 | 0.9657 | 0.9728 | 0.9772 | 0.9809 | 0.9850 | 0.9884 | 0.9948 | 13017.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13132.5 | 0.9317 | 0.9645 | 0.9735 | 0.9803 | 0.9856 | 0.9897 | 0.9937 | 0.9960 | 13012.5 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 13127.5 | 0.9676 | 0.9774 | 0.9831 | 0.9873 | 0.9924 | 0.9953 | 0.9976 | 0.9989 | 13007.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13122.5 | 0.9907 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 13002.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13117.5 | 0.9809 | 0.9862 | 0.9891 | 0.9911 | 0.9938 | 0.9959 | 0.9974 | 0.9988 | 12997.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13112.5 | 0.9578 | 0.9692 | 0.9743 | 0.9775 | 0.9819 | 0.9866 | 0.9911 | 0.9954 | 12992.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13107.5 | 0.9548 | 0.9616 | 0.9727 | 0.9757 | 0.9800 | 0.9840 | 0.9884 | 0.9944 | 12987.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13102.5 | 0.9760 | 0.9824 | 0.9856 | 0.9871 | 0.9888 | 0.9910 | 0.9935 | 0.9960 | 12982.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13097.5 | 0.9749 | 0.9817 | 0.9853 | 0.9887 | 0.9925 | 0.9948 | 0.9966 | 0.9985 | 12977.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13092.5 | 0.9546 | 0.9679 | 0.9751 | 0.9806 | 0.9864 | 0.9905 | 0.9941 | 0.9973 | 12972.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13087.5 | 0.9801 | 0.9850 | 0.9862 | 0.9872 | 0.9888 | 0.9925 | 0.9953 | 0.9977 | 12967.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 13082.5 | 0.9786 | 0.9846 | 0.9871 | 0.9881 | 0.9900 | 0.9925 | 0.9944 | 0.9976 | 12962.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9879 | 0.9914 | 0.9931 | 0.9945 | 0.9961 | 0.9972 | 0.9983 | 0.9992 |

Tabl 5–1: Transmission functions for the B band at 300 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interbal.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9903 | 0.9967 | 0.9981 | 0.9990 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 14472.5 | 0.7523 | 0.8407 | 0.8887 | 0.9239 | 0.9576 | 0.9748 | 0.9861 | 0.9941 |
| 14572.5 | 0.9857 | 0.9942 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 14467.5 | 0.7400 | 0.8338 | 0.8838 | 0.9202 | 0.9548 | 0.9731 | 0.9850 | 0.9934 |
| 14567.5 | 0.9767 | 0.9894 | 0.9949 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 14462.5 | 0.7852 | 0.8664 | 0.9081 | 0.9379 | 0.9661 | 0.9804 | 0.9894 | 0.9954 |
| 14562.5 | 0.9483 | 0.9790 | 0.9804 | 0.9947 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 14457.5 | 0.7948 | 0.8689 | 0.9081 | 0.9371 | 0.9655 | 0.9799 | 0.9888 | 0.9948 |
| 14557.5 | 0.3087 | 0.4244 | 0.5371 | 0.6356 | 0.7997 | 0.8810 | 0.9339 | 0.9711 | 14452.5 | 0.8116 | 0.8949 | 0.9279 | 0.9526 | 0.9754 | 0.9861 | 0.9921 | 0.9966 |
| 14552.5 | 0.1449 | 0.3292 | 0.4765 | 0.6109 | 0.7583 | 0.8459 | 0.9008 | 0.9583 | 14447.5 | 0.8271 | 0.8901 | 0.9248 | 0.9511 | 0.9750 | 0.9860 | 0.9922 | 0.9967 |
| 14547.5 | 0.1778 | 0.3677 | 0.5087 | 0.6305 | 0.7678 | 0.8520 | 0.9132 | 0.9602 | 14442.5 | 0.9259 | 0.9563 | 0.9713 | 0.9822 | 0.9916 | 0.9956 | 0.9977 | 0.9990 |
| 14542.5 | 0.2428 | 0.4750 | 0.6002 | 0.7181 | 0.8289 | 0.8970 | 0.9374 | 0.9711 | 14437.5 | 0.8012 | 0.8760 | 0.9161 | 0.9471 | 0.9744 | 0.9860 | 0.9924 | 0.9969 |
| 14537.5 | 0.4051 | 0.6084 | 0.7267 | 0.8142 | 0.8958 | 0.9383 | 0.9650 | 0.9854 | 14432.5 | 0.9892 | 0.9956 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14532.5 | 0.5991 | 0.7671 | 0.8278 | 0.8881 | 0.9429 | 0.9678 | 0.9824 | 0.9922 | 14427.5 | 0.8054 | 0.8799 | 0.9223 | 0.9536 | 0.9790 | 0.9889 | 0.9943 | 0.9977 |
| 14527.5 | 0.9184 | 0.9531 | 0.9915 | 0.9958 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 14422.5 | 0.9931 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14522.5 | 0.7148 | 0.8404 | 0.8974 | 0.9329 | 0.9653 | 0.9808 | 0.9887 | 0.9957 | 14417.5 | 0.8840 | 0.9310 | 0.9574 | 0.9763 | 0.9893 | 0.9944 | 0.9972 | 0.9989 |
| 14517.5 | 0.4948 | 0.6562 | 0.7627 | 0.8590 | 0.9079 | 0.9455 | 0.9700 | 0.9871 | 14412.5 | 0.9584 | 0.9807 | 0.9898 | 0.9948 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |
| 14512.5 | 0.5560 | 0.7701 | 0.7938 | 0.8558 | 0.9158 | 0.9484 | 0.9710 | 0.9872 | 14407.5 | 0.9953 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14507.5 | 0.6832 | 0.8141 | 0.8782 | 0.9207 | 0.9561 | 0.9734 | 0.9869 | 0.9934 | 14402.5 | 0.9043 | 0.9478 | 0.9697 | 0.9826 | 0.9917 | 0.9958 | 0.9979 | 0.9991 |
| 14502.5 | 0.4903 | 0.6404 | 0.7325 | 0.8066 | 0.8814 | 0.9218 | 0.9568 | 0.9805 | 14397.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.5268 | 0.6712 | 0.7579 | 0.8230 | 0.8894 | 0.9287 | 0.9578 | 0.9809 | 14392.5 | 0.9663 | 0.9837 | 0.9907 | 0.9945 | 0.9977 | 0.9989 | 0.9994 | 0.9998 |
| 14492.5 | 0.8057 | 0.8945 | 0.9365 | 0.9638 | 0.9840 | 0.9914 | 0.9956 | 0.9982 | 14387.5 | 0.9716 | 0.9857 | 0.9917 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 14487.5 | 0.4599 | 0.6317 | 0.7327 | 0.8101 | 0.8852 | 0.9270 | 0.9549 | 0.9794 | 14382.5 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8047 | 0.8752 | 0.9092 | 0.9334 | 0.9589 | 0.9740 | 0.9843 | 0.9934 | 14377.5 | 0.9670 | 0.9844 | 0.9910 | 0.9954 | 0.9981 | 0.9991 | 0.9995 | 0.9998 |
| 14477.5 | 0.6247 | 0.7591 | 0.8337 | 0.8884 | 0.9372 | 0.9618 | 0.9789 | 0.9903 | 14372.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8429 | 0.8937 | 0.9233 | 0.9463 | 0.9689 | 0.9810 | 0.9892 | 0.9952 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9946 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 14472.5 | 0.8093 | 0.8797 | 0.9163 | 0.9428 | 0.9679 | 0.9810 | 0.9896 | 0.9955 |
| 14572.5 | 0.9910 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 14467.5 | 0.8004 | 0.8743 | 0.9126 | 0.9400 | 0.9659 | 0.9798 | 0.9887 | 0.9950 |
| 14567.5 | 0.9857 | 0.9942 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 14462.5 | 0.8377 | 0.8907 | 0.9307 | 0.9531 | 0.9742 | 0.9853 | 0.9920 | 0.9965 |
| 14562.5 | 0.9705 | 0.9881 | 0.9940 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 14457.5 | 0.8423 | 0.9004 | 0.9300 | 0.9521 | 0.9738 | 0.9847 | 0.9915 | 0.9959 |
| 14557.5 | 0.3252 | 0.5058 | 0.6152 | 0.7227 | 0.8630 | 0.9078 | 0.9498 | 0.9778 | 14452.5 | 0.8717 | 0.9206 | 0.9451 | 0.9640 | 0.9812 | 0.9893 | 0.9938 | 0.9972 |
| 14552.5 | 0.2406 | 0.4421 | 0.5789 | 0.6934 | 0.8124 | 0.8815 | 0.9312 | 0.9681 | 14447.5 | 0.8671 | 0.9171 | 0.9441 | 0.9637 | 0.9815 | 0.9894 | 0.9940 | 0.9974 |
| 14547.5 | 0.2918 | 0.4822 | 0.6052 | 0.7088 | 0.8227 | 0.8889 | 0.9354 | 0.9704 | 14442.5 | 0.9452 | 0.9674 | 0.9785 | 0.9867 | 0.9939 | 0.9968 | 0.9984 | 0.9994 |
| 14542.5 | 0.3940 | 0.5837 | 0.6957 | 0.7826 | 0.8688 | 0.9175 | 0.9530 | 0.9775 | 14437.5 | 0.8483 | 0.9056 | 0.9368 | 0.9600 | 0.9805 | 0.9893 | 0.9941 | 0.9976 |
| 14537.5 | 0.5359 | 0.7034 | 0.7961 | 0.8612 | 0.9226 | 0.9541 | 0.9747 | 0.9891 | 14432.5 | 0.9932 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14532.5 | 0.6948 | 0.8089 | 0.8705 | 0.9159 | 0.9569 | 0.9755 | 0.9848 | 0.9930 | 14427.5 | 0.8505 | 0.9084 | 0.9410 | 0.9650 | 0.9842 | 0.9916 | 0.9957 | 0.9983 |
| 14527.5 | 0.9755 | 0.9901 | 0.9950 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 14422.5 | 0.9958 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.8172 | 0.8871 | 0.9233 | 0.9497 | 0.9741 | 0.9858 | 0.9923 | 0.9967 | 14417.5 | 0.9098 | 0.9442 | 0.9670 | 0.9816 | 0.9917 | 0.9957 | 0.9978 | 0.9991 |
| 14517.5 | 0.6030 | 0.7432 | 0.8188 | 0.8755 | 0.9302 | 0.9589 | 0.9776 | 0.9902 | 14412.5 | 0.9726 | 0.9880 | 0.9938 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 |
| 14512.5 | 0.6535 | 0.7779 | 0.8430 | 0.8932 | 0.9363 | 0.9617 | 0.9789 | 0.9904 | 14407.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14507.5 | 0.7601 | 0.8671 | 0.9130 | 0.9450 | 0.9680 | 0.9806 | 0.9889 | 0.9951 | 14402.5 | 0.9246 | 0.9600 | 0.9769 | 0.9868 | 0.9937 | 0.9968 | 0.9984 | 0.9994 |
| 14502.5 | 0.5860 | 0.7154 | 0.7915 | 0.8503 | 0.9082 | 0.9424 | 0.9648 | 0.9852 | 14397.5 | 0.9984 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.6211 | 0.7429 | 0.8100 | 0.8617 | 0.9140 | 0.9447 | 0.9675 | 0.9853 | 14392.5 | 0.9768 | 0.9878 | 0.9931 | 0.9959 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 14492.5 | 0.8467 | 0.9330 | 0.9505 | 0.9777 | 0.9905 | 0.9910 | 0.9974 | 0.9990 | 14387.5 | 0.9779 | 0.9890 | 0.9934 | 0.9961 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 14487.5 | 0.5706 | 0.7151 | 0.7951 | 0.8547 | 0.9122 | 0.9441 | 0.9630 | 0.9841 | 14382.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8525 | 0.9031 | 0.9287 | 0.9471 | 0.9675 | 0.9707 | 0.9874 | 0.9948 | 14377.5 | 0.9749 | 0.9881 | 0.9930 | 0.9966 | 0.9986 | 0.9993 | 0.9996 | 0.9999 |
| 14477.5 | 0.7118 | 0.8201 | 0.8780 | 0.9180 | 0.9537 | 0.9719 | 0.9841 | 0.9927 | 14372.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8748 | 0.9170 | 0.9407 | 0.9584 | 0.9763 | 0.9856 | 0.9918 | 0.9963 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 14472.5 | 0.8710 | 0.9195 | 0.9438 | 0.9611 | 0.9785 | 0.9872 | 0.9930 | 0.9970 |
| 14572.5 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 14467.5 | 0.8648 | 0.9155 | 0.9412 | 0.9596 | 0.9770 | 0.9861 | 0.9923 | 0.9965 |
| 14567.5 | 0.9936 | 0.9974 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 14462.5 | 0.8914 | 0.9326 | 0.9531 | 0.9678 | 0.9828 | 0.9902 | 0.9947 | 0.9976 |
| 14562.5 | 0.9868 | 0.9947 | 0.9973 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 14457.5 | 0.8928 | 0.9321 | 0.9526 | 0.9674 | 0.9820 | 0.9895 | 0.9940 | 0.9970 |
| 14557.5 | 0.4820 | 0.6160 | 0.7126 | 0.7990 | 0.8895 | 0.9335 | 0.9649 | 0.9844 | 14452.5 | 0.9128 | 0.9459 | 0.9626 | 0.9752 | 0.9870 | 0.9925 | 0.9958 | 0.9980 |
| 14552.5 | 0.4090 | 0.5884 | 0.6981 | 0.7832 | 0.8690 | 0.9183 | 0.9530 | 0.9780 | 14447.5 | 0.9099 | 0.9416 | 0.9631 | 0.9758 | 0.9873 | 0.9927 | 0.9958 | 0.9982 |
| 14547.5 | 0.4577 | 0.6189 | 0.7164 | 0.7984 | 0.8822 | 0.9272 | 0.9581 | 0.9809 | 14442.5 | 0.9639 | 0.9782 | 0.9856 | 0.9912 | 0.9961 | 0.9981 | 0.9992 | 0.9997 |
| 14542.5 | 0.5603 | 0.7074 | 0.7888 | 0.8495 | 0.9096 | 0.9432 | 0.9648 | 0.9843 | 14437.5 | 0.8968 | 0.9360 | 0.9569 | 0.9729 | 0.9868 | 0.9926 | 0.9958 | 0.9983 |
| 14537.5 | 0.6865 | 0.8055 | 0.8648 | 0.9077 | 0.9484 | 0.9696 | 0.9832 | 0.9928 | 14432.5 | 0.9964 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14532.5 | 0.7942 | 0.8722 | 0.9130 | 0.9432 | 0.9707 | 0.9831 | 0.9907 | 0.9957 | 14427.5 | 0.8975 | 0.9375 | 0.9630 | 0.9766 | 0.9894 | 0.9943 | 0.9971 | 0.9988 |
| 14527.5 | 0.9882 | 0.9953 | 0.9976 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 14422.5 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.8792 | 0.9256 | 0.9488 | 0.9663 | 0.9826 | 0.9903 | 0.9947 | 0.9977 | 14417.5 | 0.9359 | 0.9620 | 0.9769 | 0.9875 | 0.9942 | 0.9970 | 0.9985 | 0.9994 |
| 14517.5 | 0.7237 | 0.8261 | 0.8784 | 0.9151 | 0.9526 | 0.9722 | 0.9844 | 0.9932 | 14412.5 | 0.9881 | 0.9942 | 0.9970 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14512.5 | 0.7616 | 0.8487 | 0.8927 | 0.9253 | 0.9572 | 0.9745 | 0.9857 | 0.9937 | 14407.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.8531 | 0.9171 | 0.9453 | 0.9635 | 0.9790 | 0.9870 | 0.9924 | 0.9967 | 14402.5 | 0.9489 | 0.9727 | 0.9845 | 0.9913 | 0.9960 | 0.9980 | 0.9990 | 0.9996 |
| 14502.5 | 0.6905 | 0.7995 | 0.8548 | 0.8968 | 0.9375 | 0.9608 | 0.9776 | 0.9898 | 14397.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.7286 | 0.8173 | 0.8657 | 0.9024 | 0.9396 | 0.9613 | 0.9774 | 0.9897 | 14392.5 | 0.9837 | 0.9920 | 0.9954 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 14492.5 | 0.9217 | 0.9678 | 0.9797 | 0.9892 | 0.9953 | 0.9976 | 0.9988 | 0.9995 | 14387.5 | 0.9845 | 0.9925 | 0.9956 | 0.9974 | 0.9989 | 0.9995 | 0.9997 | 0.9999 |
| 14487.5 | 0.5988 | 0.8041 | 0.8596 | 0.9002 | 0.9394 | 0.9613 | 0.9771 | 0.9892 | 14382.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8970 | 0.9303 | 0.9479 | 0.9618 | 0.9768 | 0.9857 | 0.9918 | 0.9963 | 14377.5 | 0.9830 | 0.9920 | 0.9953 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 14477.5 | 0.8071 | 0.8838 | 0.9211 | 0.9467 | 0.9697 | 0.9813 | 0.9894 | 0.9950 | 14372.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9110 | 0.9422 | 0.9590 | 0.9717 | 0.9838 | 0.9902 | 0.9945 | 0.9975 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 0.9982 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9969 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14562.5 | 0.9935 | 0.9974 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14557.5 | 0.5769 | 0.7008 | 0.7806 | 0.8494 | 0.9184 | 0.9528 | 0.9738 | 0.9886 |
| 14552.5 | 0.5625 | 0.6928 | 0.7767 | 0.8398 | 0.9061 | 0.9408 | 0.9660 | 0.9842 |
| 14547.5 | 0.5843 | 0.7151 | 0.7952 | 0.8588 | 0.9188 | 0.9103 | 0.9715 | 0.9871 |
| 14542.5 | 0.6765 | 0.7879 | 0.8470 | 0.8910 | 0.9345 | 0.9590 | 0.9762 | 0.9886 |
| 14537.5 | 0.7818 | 0.8640 | 0.9052 | 0.9349 | 0.9637 | 0.9786 | 0.9882 | 0.9949 |
| 14532.5 | 0.8550 | 0.9095 | 0.9379 | 0.9593 | 0.9789 | 0.9881 | 0.9934 | 0.9960 |
| 14527.5 | 0.9936 | 0.9975 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14522.5 | 0.9157 | 0.9475 | 0.9637 | 0.9761 | 0.9876 | 0.9930 | 0.9961 | 0.9983 |
| 14517.5 | 0.8012 | 0.8742 | 0.9114 | 0.9390 | 0.9661 | 0.9801 | 0.9886 | 0.9951 |
| 14512.5 | 0.8299 | 0.8915 | 0.9235 | 0.9470 | 0.9700 | 0.9822 | 0.9902 | 0.9957 |
| 14507.5 | 0.9042 | 0.9447 | 0.9629 | 0.9747 | 0.9850 | 0.9907 | 0.9944 | 0.9976 |
| 14502.5 | 0.7782 | 0.8542 | 0.8950 | 0.9231 | 0.9549 | 0.9718 | 0.9838 | 0.9927 |
| 14497.5 | 0.7088 | 0.8452 | 0.9010 | 0.9281 | 0.9557 | 0.9721 | 0.9837 | 0.9924 |
| 14492.5 | 0.9556 | 0.9789 | 0.9893 | 0.9943 | 0.9977 | 0.9988 | 0.9994 | 0.9998 |
| 14487.5 | 0.7829 | 0.8594 | 0.8988 | 0.9275 | 0.9559 | 0.9723 | 0.9840 | 0.9925 |
| 14482.5 | 0.9231 | 0.9473 | 0.9608 | 0.9713 | 0.9828 | 0.9894 | 0.9939 | 0.9972 |
| 14477.5 | 0.8683 | 0.9237 | 0.9458 | 0.9630 | 0.9787 | 0.9869 | 0.9924 | 0.9963 |
| 14472.5 | 0.9094 | 0.9432 | 0.9600 | 0.9725 | 0.9845 | 0.9910 | 0.9950 | 0.9978 |
| 14467.5 | 0.9068 | 0.9405 | 0.9581 | 0.9710 | 0.9835 | 0.9905 | 0.9944 | 0.9974 |
| 14462.5 | 0.9237 | 0.9521 | 0.9660 | 0.9770 | 0.9878 | 0.9931 | 0.9963 | 0.9984 |
| 14457.5 | 0.9234 | 0.9516 | 0.9657 | 0.9765 | 0.9870 | 0.9924 | 0.9956 | 0.9978 |
| 14452.5 | 0.9580 | 0.9610 | 0.9728 | 0.9819 | 0.9906 | 0.9945 | 0.9967 | 0.9985 |
| 14447.5 | 0.9377 | 0.9621 | 0.9737 | 0.9825 | 0.9907 | 0.9946 | 0.9969 | 0.9986 |
| 14442.5 | 0.9747 | 0.9845 | 0.9898 | 0.9950 | 0.9974 | 0.9988 | 0.9993 | 0.9998 |
| 14437.5 | 0.9266 | 0.9540 | 0.9669 | 0.9805 | 0.9896 | 0.9946 | 0.9969 | 0.9987 |
| 14432.5 | 0.9970 | 0.9982 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9263 | 0.9550 | 0.9713 | 0.9835 | 0.9925 | 0.9960 | 0.9980 | 0.9992 |
| 14422.5 | 0.9987 | 0.9995 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9521 | 0.9718 | 0.9831 | 0.9905 | 0.9958 | 0.9978 | 0.9989 | 0.9996 |
| 14412.5 | 0.9937 | 0.9970 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14407.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9628 | 0.9807 | 0.9892 | 0.9941 | 0.9974 | 0.9987 | 0.9993 | 0.9997 |
| 14397.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9883 | 0.9946 | 0.9971 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14387.5 | 0.9887 | 0.9946 | 0.9969 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 14382.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9880 | 0.9944 | 0.9968 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14372.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9550 | 0.9581 | 0.9704 | 0.9796 | 0.9884 | 0.9930 | 0.9960 | 0.9982 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.7112 | 0.7997 | 0.8560 | 0.9031 | 0.9491 | 0.9708 | 0.9840 | 0.9930 |
| 14552.5 | 0.7089 | 0.8071 | 0.8586 | 0.8982 | 0.9402 | 0.9637 | 0.9794 | 0.9906 |
| 14547.5 | 0.7362 | 0.8314 | 0.8834 | 0.9200 | 0.9542 | 0.9724 | 0.9844 | 0.9932 |
| 14542.5 | 0.8043 | 0.8718 | 0.9064 | 0.9322 | 0.9595 | 0.9752 | 0.9858 | 0.9932 |
| 14537.5 | 0.8756 | 0.9212 | 0.9439 | 0.9610 | 0.9784 | 0.9876 | 0.9931 | 0.9971 |
| 14532.5 | 0.9151 | 0.9455 | 0.9620 | 0.9751 | 0.9874 | 0.9930 | 0.9961 | 0.9983 |
| 14527.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.9515 | 0.9689 | 0.9782 | 0.9855 | 0.9925 | 0.9957 | 0.9976 | 0.9990 |
| 14517.5 | 0.8822 | 0.9248 | 0.9463 | 0.9628 | 0.9794 | 0.9878 | 0.9932 | 0.9970 |
| 14512.5 | 0.8860 | 0.9338 | 0.9568 | 0.9688 | 0.9824 | 0.9902 | 0.9947 | 0.9977 |
| 14507.5 | 0.9490 | 0.9695 | 0.9786 | 0.9847 | 0.9908 | 0.9942 | 0.9967 | 0.9985 |
| 14502.5 | 0.8656 | 0.9171 | 0.9360 | 0.9518 | 0.9722 | 0.9828 | 0.9903 | 0.9956 |
| 14497.5 | 0.8781 | 0.9142 | 0.9380 | 0.9568 | 0.9774 | 0.9828 | 0.9909 | 0.9956 |
| 14492.5 | 0.9831 | 0.9925 | 0.9962 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14487.5 | 0.8709 | 0.9135 | 0.9378 | 0.9568 | 0.9751 | 0.9837 | 0.9908 | 0.9958 |
| 14482.5 | 0.9505 | 0.9661 | 0.9766 | 0.9815 | 0.9890 | 0.9932 | 0.9961 | 0.9982 |
| 14477.5 | 0.9278 | 0.9554 | 0.9688 | 0.9787 | 0.9871 | 0.9921 | 0.9951 | 0.9977 |
| 14472.5 | 0.9474 | 0.9662 | 0.9757 | 0.9830 | 0.9907 | 0.9946 | 0.9971 | 0.9988 |
| 14467.5 | 0.9469 | 0.9668 | 0.9746 | 0.9871 | 0.9898 | 0.9939 | 0.9963 | 0.9984 |
| 14462.5 | 0.9531 | 0.9708 | 0.9793 | 0.9861 | 0.9928 | 0.9960 | 0.9979 | 0.9991 |
| 14457.5 | 0.9548 | 0.9704 | 0.9788 | 0.9855 | 0.9931 | 0.9954 | 0.9974 | 0.9987 |
| 14452.5 | 0.9628 | 0.9757 | 0.9829 | 0.9888 | 0.9942 | 0.9966 | 0.9980 | 0.9991 |
| 14447.5 | 0.9646 | 0.9769 | 0.9834 | 0.9889 | 0.9941 | 0.9966 | 0.9980 | 0.9991 |
| 14442.5 | 0.9850 | 0.9902 | 0.9941 | 0.9967 | 0.9984 | 0.9995 | 0.9998 | 0.9999 |
| 14437.5 | 0.9658 | 0.9716 | 0.9808 | 0.9880 | 0.9941 | 0.9966 | 0.9981 | 0.9992 |
| 14432.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9547 | 0.9725 | 0.9828 | 0.9901 | 0.9956 | 0.9977 | 0.9988 | 0.9995 |
| 14422.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9688 | 0.9822 | 0.9896 | 0.9942 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 14412.5 | 0.9976 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14407.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9776 | 0.9891 | 0.9941 | 0.9969 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 14397.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9935 | 0.9972 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14387.5 | 0.9933 | 0.9969 | 0.9983 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14382.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9937 | 0.9969 | 0.9983 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14372.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9606 | 0.9746 | 0.9820 | 0.9875 | 0.9930 | 0.9958 | 0.9976 | 0.9989 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.8162 | 0.8731 | 0.9106 | 0.9420 | 0.9709 | 0.9838 | 0.9911 | 0.9963 |
| 14552.5 | 0.8325 | 0.8854 | 0.9165 | 0.9387 | 0.9654 | 0.9797 | 0.9887 | 0.9950 |
| 14547.5 | 0.8653 | 0.9131 | 0.9397 | 0.9582 | 0.9770 | 0.9868 | 0.9928 | 0.9968 |
| 14542.5 | 0.8918 | 0.9270 | 0.9450 | 0.9603 | 0.9775 | 0.9867 | 0.9925 | 0.9966 |
| 14537.5 | 0.9351 | 0.9566 | 0.9680 | 0.9777 | 0.9881 | 0.9932 | 0.9961 | 0.9983 |
| 14532.5 | 0.9524 | 0.9682 | 0.9781 | 0.9864 | 0.9935 | 0.9966 | 0.9981 | 0.9992 |
| 14527.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9738 | 0.9822 | 0.9872 | 0.9915 | 0.9956 | 0.9975 | 0.9986 | 0.9994 |
| 14517.5 | 0.9363 | 0.9575 | 0.9686 | 0.9780 | 0.9880 | 0.9931 | 0.9962 | 0.9984 |
| 14512.5 | 0.9472 | 0.9657 | 0.9755 | 0.9834 | 0.9916 | 0.9956 | 0.9976 | 0.9990 |
| 14507.5 | 0.9748 | 0.9835 | 0.9876 | 0.9907 | 0.9944 | 0.9966 | 0.9981 | 0.9992 |
| 14502.5 | 0.9272 | 0.9505 | 0.9627 | 0.9726 | 0.9839 | 0.9903 | 0.9945 | 0.9976 |
| 14497.5 | 0.9301 | 0.9514 | 0.9631 | 0.9727 | 0.9838 | 0.9901 | 0.9944 | 0.9975 |
| 14492.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14487.5 | 0.9299 | 0.9516 | 0.9636 | 0.9740 | 0.9857 | 0.9918 | 0.9954 | 0.9981 |
| 14482.5 | 0.9710 | 0.9796 | 0.9842 | 0.9883 | 0.9932 | 0.9960 | 0.9978 | 0.9990 |
| 14477.5 | 0.9619 | 0.9760 | 0.9822 | 0.9871 | 0.9924 | 0.9954 | 0.9975 | 0.9987 |
| 14472.5 | 0.9715 | 0.9805 | 0.9858 | 0.9901 | 0.9948 | 0.9971 | 0.9984 | 0.9994 |
| 14467.5 | 0.9704 | 0.9797 | 0.9847 | 0.9890 | 0.9939 | 0.9966 | 0.9980 | 0.9991 |
| 14462.5 | 0.9750 | 0.9832 | 0.9880 | 0.9922 | 0.9962 | 0.9980 | 0.9989 | 0.9996 |
| 14457.5 | 0.9745 | 0.9825 | 0.9873 | 0.9914 | 0.9957 | 0.9975 | 0.9986 | 0.9994 |
| 14452.5 | 0.9786 | 0.9856 | 0.9899 | 0.9935 | 0.9967 | 0.9981 | 0.9989 | 0.9995 |
| 14447.5 | 0.9795 | 0.9856 | 0.9896 | 0.9932 | 0.9965 | 0.9980 | 0.9989 | 0.9995 |
| 14442.5 | 0.9916 | 0.9951 | 0.9972 | 0.9987 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14437.5 | 0.9779 | 0.9828 | 0.9885 | 0.9930 | 0.9964 | 0.9982 | 0.9990 | 0.9996 |
| 14432.5 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9731 | 0.9842 | 0.9906 | 0.9948 | 0.9978 | 0.9988 | 0.9994 | 0.9998 |
| 14422.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9809 | 0.9898 | 0.9943 | 0.9969 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 14412.5 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9885 | 0.9948 | 0.9973 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14397.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14387.5 | 0.9968 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9967 | 0.9986 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9782 | 0.9855 | 0.9895 | 0.9928 | 0.9961 | 0.9978 | 0.9988 | 0.9995 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.8714 | 0.9136 | 0.9422 | 0.9649 | 0.9836 | 0.9912 | 0.9954 | 0.9981 |
| 14552.5 | 0.8946 | 0.9244 | 0.9430 | 0.9609 | 0.9797 | 0.9887 | 0.9940 | 0.9974 |
| 14547.5 | 0.9290 | 0.9530 | 0.9663 | 0.9772 | 0.9883 | 0.9931 | 0.9965 | 0.9985 |
| 14542.5 | 0.9540 | 0.9540 | 0.9653 | 0.9760 | 0.9873 | 0.9928 | 0.9961 | 0.9983 |
| 14537.5 | 0.9614 | 0.9722 | 0.9795 | 0.9865 | 0.9931 | 0.9964 | 0.9981 | 0.9992 |
| 14532.5 | 0.9696 | 0.9806 | 0.9875 | 0.9926 | 0.9968 | 0.9982 | 0.9990 | 0.9996 |
| 14527.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9834 | 0.9880 | 0.9916 | 0.9947 | 0.9975 | 0.9986 | 0.9993 | 0.9997 |
| 14517.5 | 0.9612 | 0.9716 | 0.9788 | 0.9858 | 0.9929 | 0.9961 | 0.9979 | 0.9991 |
| 14512.5 | 0.9703 | 0.9802 | 0.9863 | 0.9914 | 0.9960 | 0.9979 | 0.9990 | 0.9996 |
| 14507.5 | 0.9814 | 0.9893 | 0.9914 | 0.9937 | 0.9961 | 0.9980 | 0.9989 | 0.9996 |
| 14502.5 | 0.9566 | 0.9682 | 0.9751 | 0.9821 | 0.9902 | 0.9944 | 0.9970 | 0.9987 |
| 14497.5 | 0.9573 | 0.9685 | 0.9752 | 0.9820 | 0.9901 | 0.9943 | 0.9969 | 0.9986 |
| 14492.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9578 | 0.9730 | 0.9779 | 0.9852 | 0.9926 | 0.9960 | 0.9979 | 0.9991 |
| 14482.5 | 0.9813 | 0.9854 | 0.9886 | 0.9920 | 0.9958 | 0.9977 | 0.9988 | 0.9995 |
| 14477.5 | 0.9790 | 0.9846 | 0.9879 | 0.9913 | 0.9952 | 0.9977 | 0.9985 | 0.9993 |
| 14472.5 | 0.9823 | 0.9871 | 0.9906 | 0.9939 | 0.9971 | 0.9984 | 0.9992 | 0.9997 |
| 14467.5 | 0.9815 | 0.9858 | 0.9892 | 0.9928 | 0.9963 | 0.9980 | 0.9989 | 0.9996 |
| 14462.5 | 0.9863 | 0.9902 | 0.9928 | 0.9957 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 14457.5 | 0.9840 | 0.9887 | 0.9921 | 0.9950 | 0.9976 | 0.9987 | 0.9993 | 0.9997 |
| 14452.5 | 0.9850 | 0.9903 | 0.9936 | 0.9961 | 0.9982 | 0.9990 | 0.9994 | 0.9998 |
| 14447.5 | 0.9858 | 0.9897 | 0.9930 | 0.9957 | 0.9980 | 0.9989 | 0.9994 | 0.9998 |
| 14442.5 | 0.9955 | 0.9978 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14437.5 | 0.9840 | 0.9899 | 0.9928 | 0.9959 | 0.9982 | 0.9990 | 0.9995 | 0.9998 |
| 14432.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9830 | 0.9909 | 0.9949 | 0.9973 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 14422.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9881 | 0.9943 | 0.9968 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14412.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9942 | 0.9973 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9866 | 0.9908 | 0.9936 | 0.9956 | 0.9978 | 0.9988 | 0.9994 | 0.9997 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.9114 | 0.9486 | 0.9696 | 0.9831 | 0.9927 | 0.9962 | 0.9981 | 0.9992 |
| 14552.5 | 0.9287 | 0.9498 | 0.9661 | 0.9795 | 0.9906 | 0.9950 | 0.9974 | 0.9990 |
| 14547.5 | 0.9661 | 0.9744 | 0.9824 | 0.9892 | 0.9950 | 0.9973 | 0.9986 | 0.9994 |
| 14542.5 | 0.9597 | 0.9703 | 0.9794 | 0.9874 | 0.9941 | 0.9968 | 0.9983 | 0.9993 |
| 14537.5 | 0.9748 | 0.9827 | 0.9887 | 0.9934 | 0.9970 | 0.9985 | 0.9993 | 0.9997 |
| 14532.5 | 0.9825 | 0.9880 | 0.9941 | 0.9968 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |
| 14527.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9870 | 0.9922 | 0.9953 | 0.9973 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 14517.5 | 0.9722 | 0.9809 | 0.9875 | 0.9926 | 0.9967 | 0.9983 | 0.9991 | 0.9996 |
| 14512.5 | 0.9846 | 0.9900 | 0.9937 | 0.9964 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 14507.5 | 0.9901 | 0.9924 | 0.9944 | 0.9964 | 0.9983 | 0.9991 | 0.9995 | 0.9998 |
| 14502.5 | 0.9705 | 0.9776 | 0.9841 | 0.9900 | 0.9953 | 0.9975 | 0.9987 | 0.9995 |
| 14497.5 | 0.9706 | 0.9774 | 0.9838 | 0.9898 | 0.9951 | 0.9974 | 0.9986 | 0.9994 |
| 14492.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9756 | 0.9830 | 0.9886 | 0.9932 | 0.9969 | 0.9984 | 0.9992 | 0.9997 |
| 14482.5 | 0.9853 | 0.9894 | 0.9928 | 0.9957 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 14477.5 | 0.9861 | 0.9870 | 0.9917 | 0.9949 | 0.9976 | 0.9987 | 0.9993 | 0.9997 |
| 14472.5 | 0.9879 | 0.9919 | 0.9949 | 0.9970 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 14467.5 | 0.9854 | 0.9903 | 0.9936 | 0.9962 | 0.9983 | 0.9991 | 0.9995 | 0.9998 |
| 14462.5 | 0.9904 | 0.9942 | 0.9965 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14457.5 | 0.9887 | 0.9930 | 0.9957 | 0.9975 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 14452.5 | 0.9897 | 0.9941 | 0.9965 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14447.5 | 0.9889 | 0.9935 | 0.9962 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 14442.5 | 0.9981 | 0.9994 | 0.9997 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14437.5 | 0.9875 | 0.9937 | 0.9964 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14432.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9910 | 0.9958 | 0.9978 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9962 | 0.9979 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9977 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9914 | 0.9943 | 0.9965 | 0.9978 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | PATH LENGTH (km) | | | | | | | | | PATH LENGTH (km) | | | | | | | |
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14472.5 | 0.9919 | 0.9949 | 0.9970 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14467.5 | 0.9888 | 0.9934 | 0.9961 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14462.5 | 0.9935 | 0.9966 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14457.5 | 0.9914 | 0.9955 | 0.9975 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14557.5 | 0.9386 | 0.9659 | 0.9828 | 0.9909 | 0.9962 | 0.9981 | 0.9990 | 0.9996 | 14452.5 | 0.9927 | 0.9964 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 0.9999 |
| 14552.5 | 0.9441 | 0.9657 | 0.9792 | 0.9886 | 0.9950 | 0.9974 | 0.9987 | 0.9995 | 14447.5 | 0.9921 | 0.9960 | 0.9978 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 14547.5 | 0.9730 | 0.9827 | 0.9891 | 0.9940 | 0.9974 | 0.9986 | 0.9993 | 0.9997 | 14442.5 | 0.9986 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14542.5 | 0.9665 | 0.9790 | 0.9871 | 0.9927 | 0.9968 | 0.9983 | 0.9992 | 0.9997 | 14437.5 | 0.9922 | 0.9964 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14537.5 | 0.9811 | 0.9858 | 0.9934 | 0.9966 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 14432.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14532.5 | 0.9883 | 0.9941 | 0.9968 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 14427.5 | 0.9949 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14527.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9907 | 0.9951 | 0.9972 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 14417.5 | 0.9969 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14517.5 | 0.9786 | 0.9873 | 0.9925 | 0.9958 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14512.5 | 0.9802 | 0.9940 | 0.9966 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.9919 | 0.9944 | 0.9966 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 14402.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14502.5 | 0.9756 | 0.9818 | 0.9898 | 0.9942 | 0.9974 | 0.9987 | 0.9993 | 0.9997 | 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.9749 | 0.9811 | 0.9895 | 0.9940 | 0.9973 | 0.9986 | 0.9993 | 0.9997 | 14392.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14492.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14387.5 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9821 | 0.9880 | 0.9933 | 0.9963 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.9882 | 0.9927 | 0.9958 | 0.9975 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 14377.5 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14477.5 | 0.9855 | 0.9911 | 0.9948 | 0.9970 | 0.9987 | 0.9993 | 0.9997 | 0.9998 | 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9939 | 0.9962 | 0.9978 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |

Table 5–2: Transmissionffunctions for the B band at 250 k, averaged over 5 cm⁻¹ intervals and over the whole band interval.

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9880 | 0.9952 | 0.9976 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 14472.5 | 0.7351 | 0.8291 | 0.8811 | 0.9190 | 0.9550 | 0.9735 | 0.9854 | 0.9938 |
| 14572.5 | 0.9827 | 0.9928 | 0.9964 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 14467.5 | 0.7253 | 0.8227 | 0.8762 | 0.9153 | 0.9524 | 0.9718 | 0.9844 | 0.9932 |
| 14567.5 | 0.9696 | 0.9877 | 0.9938 | 0.9969 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 14462.5 | 0.7184 | 0.8610 | 0.9085 | 0.9375 | 0.9666 | 0.9810 | 0.9897 | 0.9956 |
| 14562.5 | 0.9396 | 0.9756 | 0.9876 | 0.9938 | 0.9975 | 0.9988 | 0.9994 | 0.9998 | 14457.5 | 0.7901 | 0.8664 | 0.9069 | 0.9370 | 0.9662 | 0.9806 | 0.9892 | 0.9957 |
| 14557.5 | 0.3120 | 0.4590 | 0.5551 | 0.6753 | 0.8158 | 0.8924 | 0.9405 | 0.9745 | 14452.5 | 0.8144 | 0.8860 | 0.9311 | 0.9558 | 0.9779 | 0.9874 | 0.9928 | 0.9971 |
| 14552.5 | 0.1231 | 0.3036 | 0.4521 | 0.5883 | 0.7405 | 0.8325 | 0.9010 | 0.9562 | 14447.5 | 0.8114 | 0.8950 | 0.9284 | 0.9545 | 0.9775 | 0.9874 | 0.9931 | 0.9972 |
| 14547.5 | 0.1231 | 0.3000 | 0.4460 | 0.5780 | 0.7255 | 0.8203 | 0.8920 | 0.9501 | 14442.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14542.5 | 0.1804 | 0.3905 | 0.5389 | 0.6625 | 0.7893 | 0.8632 | 0.9184 | 0.9629 | 14437.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14537.5 | 0.3317 | 0.5211 | 0.6505 | 0.7652 | 0.8645 | 0.9173 | 0.9532 | 0.9796 | 14432.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14532.5 | 0.5097 | 0.6845 | 0.7810 | 0.8346 | 0.9231 | 0.9558 | 0.9757 | 0.9901 | 14427.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14527.5 | 0.9360 | 0.9751 | 0.9878 | 0.9937 | 0.9975 | 0.9987 | 0.9994 | 0.9998 | 14422.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14522.5 | 0.6022 | 0.8096 | 0.8694 | 0.9126 | 0.9533 | 0.9734 | 0.9856 | 0.9939 | 14417.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14517.5 | 0.4044 | 0.5951 | 0.7085 | 0.7933 | 0.8810 | 0.9273 | 0.9580 | 0.9821 | 14412.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14512.5 | 0.4766 | 0.6694 | 0.7681 | 0.8226 | 0.8937 | 0.9350 | 0.9633 | 0.9827 | 14407.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14507.5 | 0.6005 | 0.7662 | 0.8457 | 0.8992 | 0.9417 | 0.9652 | 0.9798 | 0.9910 | 14402.5 | 0.9367 | 0.9688 | 0.9820 | 0.9891 | 0.9957 | 0.9978 | 0.9989 | 0.9996 |
| 14502.5 | 0.4717 | 0.5832 | 0.6857 | 0.7697 | 0.8557 | 0.9062 | 0.9450 | 0.9744 | 14397.5 | 0.9983 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.4449 | 0.6266 | 0.7206 | 0.7940 | 0.8698 | 0.9145 | 0.9483 | 0.9764 | 14392.5 | 0.9816 | 0.9911 | 0.9950 | 0.9971 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 14492.5 | 0.7628 | 0.8681 | 0.9194 | 0.9527 | 0.9786 | 0.9888 | 0.9940 | 0.9975 | 14387.5 | 0.9842 | 0.9923 | 0.9956 | 0.9974 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 14487.5 | 0.4019 | 0.5851 | 0.6967 | 0.7834 | 0.8678 | 0.9134 | 0.9459 | 0.9740 | 14382.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.7812 | 0.8619 | 0.9001 | 0.9272 | 0.9549 | 0.9714 | 0.9834 | 0.9927 | 14377.5 | 0.9848 | 0.9932 | 0.9964 | 0.9981 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14477.5 | 0.5889 | 0.7330 | 0.8141 | 0.8751 | 0.9296 | 0.9571 | 0.9758 | 0.9891 | 14372.5 | 0.9983 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8299 | 0.8834 | 0.9153 | 0.9401 | 0.9649 | 0.9782 | 0.9874 | 0.9943 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9932 | 0.9971 | 0.9985 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 14472.5 | 0.7955 | 0.8711 | 0.9107 | 0.9392 | 0.9662 | 0.9801 | 0.9891 | 0.9954 |
| 14572.5 | 0.9900 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 14467.5 | 0.7868 | 0.8657 | 0.9067 | 0.9361 | 0.9642 | 0.9788 | 0.9882 | 0.9948 |
| 14567.5 | 0.9828 | 0.9931 | 0.9965 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 14462.5 | 0.8326 | 0.8975 | 0.9295 | 0.9524 | 0.9747 | 0.9858 | 0.9925 | 0.9967 |
| 14562.5 | 0.9656 | 0.9861 | 0.9930 | 0.9965 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 14457.5 | 0.8366 | 0.8986 | 0.9291 | 0.9521 | 0.9743 | 0.9852 | 0.9917 | 0.9961 |
| 14557.5 | 0.3822 | 0.5210 | 0.6333 | 0.7406 | 0.8565 | 0.9170 | 0.9541 | 0.9803 | 14452.5 | 0.8742 | 0.9228 | 0.9478 | 0.9664 | 0.9831 | 0.9904 | 0.9944 | 0.9977 |
| 14552.5 | 0.2280 | 0.4202 | 0.5575 | 0.6750 | 0.7988 | 0.8713 | 0.9245 | 0.9664 | 14447.5 | 0.8707 | 0.9205 | 0.9469 | 0.9661 | 0.9832 | 0.9906 | 0.9947 | 0.9978 |
| 14547.5 | 0.2373 | 0.4184 | 0.5522 | 0.6661 | 0.7883 | 0.8640 | 0.9192 | 0.9627 | 14442.5 | 0.9491 | 0.9703 | 0.9811 | 0.9888 | 0.9951 | 0.9975 | 0.9987 | 0.9995 |
| 14542.5 | 0.3092 | 0.5121 | 0.6388 | 0.7388 | 0.8380 | 0.8955 | 0.9378 | 0.9709 | 14437.5 | 0.8611 | 0.9151 | 0.9440 | 0.9466 | 0.9846 | 0.9916 | 0.9955 | 0.9982 |
| 14537.5 | 0.4409 | 0.6366 | 0.7449 | 0.8250 | 0.8990 | 0.9385 | 0.9652 | 0.9848 | 14432.5 | 0.9958 | 0.9976 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14532.5 | 0.6225 | 0.7611 | 0.8351 | 0.8908 | 0.9421 | 0.9666 | 0.9814 | 0.9915 | 14427.5 | 0.8726 | 0.9259 | 0.9548 | 0.9745 | 0.9888 | 0.9942 | 0.9971 | 0.9988 |
| 14527.5 | 0.9441 | 0.9851 | 0.9927 | 0.9963 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 14422.5 | 0.9961 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.7700 | 0.8582 | 0.9025 | 0.9348 | 0.9650 | 0.9801 | 0.9892 | 0.9956 | 14417.5 | 0.9297 | 0.9619 | 0.9786 | 0.9882 | 0.9949 | 0.9974 | 0.9987 | 0.9995 |
| 14517.5 | 0.5246 | 0.6668 | 0.7767 | 0.8461 | 0.9048 | 0.9449 | 0.9681 | 0.9846 | 14412.5 | 0.9811 | 0.9920 | 0.9959 | 0.9978 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14512.5 | 0.5867 | 0.7297 | 0.8082 | 0.8651 | 0.9194 | 0.9605 | 0.9710 | 0.9870 | 14407.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.7113 | 0.8319 | 0.8897 | 0.9278 | 0.9592 | 0.9746 | 0.9851 | 0.9936 | 14402.5 | 0.9512 | 0.9761 | 0.9865 | 0.9920 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 14502.5 | 0.5237 | 0.6649 | 0.7532 | 0.8211 | 0.8892 | 0.9283 | 0.9573 | 0.9807 | 14397.5 | 0.9980 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.5667 | 0.7036 | 0.7807 | 0.8396 | 0.8986 | 0.9337 | 0.9599 | 0.9818 | 14392.5 | 0.9866 | 0.9936 | 0.9965 | 0.9981 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 14492.5 | 0.8367 | 0.9115 | 0.9474 | 0.9705 | 0.9871 | 0.9930 | 0.9964 | 0.9986 | 14387.5 | 0.9878 | 0.9940 | 0.9966 | 0.9981 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14487.5 | 0.5190 | 0.6771 | 0.7668 | 0.8345 | 0.8992 | 0.9352 | 0.9613 | 0.9815 | 14382.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8350 | 0.8932 | 0.9214 | 0.9421 | 0.9644 | 0.9776 | 0.9872 | 0.9942 | 14377.5 | 0.9884 | 0.9948 | 0.9974 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 14477.5 | 0.6811 | 0.7594 | 0.8633 | 0.9082 | 0.9483 | 0.9683 | 0.9812 | 0.9918 | 14372.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8634 | 0.9087 | 0.9365 | 0.9562 | 0.9752 | 0.9833 | 0.9906 | 0.9957 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 14472.5 | 0.8616 | 0.9130 | 0.9402 | 0.9591 | 0.9773 | 0.9862 | 0.9927 | 0.9969 |
| 14572.5 | 0.9955 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 14467.5 | 0.8552 | 0.9088 | 0.9374 | 0.9571 | 0.9759 | 0.9857 | 0.9920 | 0.9966 |
| 14567.5 | 0.9925 | 0.9969 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 14462.5 | 0.8881 | 0.9311 | 0.9524 | 0.9678 | 0.9831 | 0.9906 | 0.9949 | 0.9978 |
| 14562.5 | 0.9865 | 0.9938 | 0.9969 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 14457.5 | 0.8906 | 0.9306 | 0.9520 | 0.9675 | 0.9825 | 0.9898 | 0.9942 | 0.9972 |
| 14557.5 | 0.4957 | 0.6318 | 0.7292 | 0.8140 | 0.8907 | 0.9423 | 0.9680 | 0.9862 | 14452.5 | 0.9147 | 0.9476 | 0.9644 | 0.9770 | 0.9886 | 0.9933 | 0.9959 | 0.9983 |
| 14552.5 | 0.3038 | 0.5702 | 0.6824 | 0.7701 | 0.8507 | 0.9113 | 0.9494 | 0.9750 | 14447.5 | 0.9127 | 0.9477 | 0.9650 | 0.9776 | 0.9880 | 0.9933 | 0.9962 | 0.9984 |
| 14547.5 | 0.3041 | 0.5680 | 0.6745 | 0.7434 | 0.8574 | 0.9105 | 0.9476 | 0.9758 | 14442.5 | 0.9665 | 0.9803 | 0.9875 | 0.9927 | 0.9969 | 0.9984 | 0.9993 | 0.9997 |
| 14542.5 | 0.4881 | 0.6339 | 0.7480 | 0.8191 | 0.8887 | 0.9283 | 0.9573 | 0.9798 | 14437.5 | 0.9055 | 0.9427 | 0.9627 | 0.9776 | 0.9896 | 0.9940 | 0.9968 | 0.9987 |
| 14537.5 | 0.6129 | 0.7572 | 0.8314 | 0.8838 | 0.9330 | 0.9595 | 0.9770 | 0.9900 | 14432.5 | 0.9988 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14532.5 | 0.7640 | 0.8398 | 0.8897 | 0.9267 | 0.9609 | 0.9772 | 0.9874 | 0.9940 | 14427.5 | 0.9132 | 0.9498 | 0.9695 | 0.9829 | 0.9925 | 0.9961 | 0.9980 | 0.9992 |
| 14527.5 | 0.9829 | 0.9931 | 0.9966 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 14422.5 | 0.9970 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.8481 | 0.9060 | 0.9352 | 0.9566 | 0.9767 | 0.9867 | 0.9927 | 0.9968 | 14417.5 | 0.9504 | 0.9733 | 0.9860 | 0.9918 | 0.9965 | 0.9982 | 0.9991 | 0.9996 |
| 14517.5 | 0.6612 | 0.7866 | 0.8477 | 0.8941 | 0.9388 | 0.9629 | 0.9791 | 0.9907 | 14412.5 | 0.9906 | 0.9961 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14512.5 | 0.7106 | 0.8158 | 0.8603 | 0.9081 | 0.9458 | 0.9664 | 0.9808 | 0.9915 | 14407.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.8170 | 0.8951 | 0.9310 | 0.9543 | 0.9733 | 0.9852 | 0.9901 | 0.9956 | 14402.5 | 0.9666 | 0.9830 | 0.9910 | 0.9960 | 0.9979 | 0.9990 | 0.9995 | 0.9998 |
| 14502.5 | 0.6693 | 0.7827 | 0.8272 | 0.8762 | 0.9238 | 0.9510 | 0.9712 | 0.9868 | 14397.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.6872 | 0.7892 | 0.8447 | 0.8870 | 0.9290 | 0.9536 | 0.9724 | 0.9873 | 14392.5 | 0.9911 | 0.9958 | 0.9977 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 14492.5 | 0.9037 | 0.9515 | 0.9729 | 0.9855 | 0.9934 | 0.9968 | 0.9984 | 0.9993 | 14387.5 | 0.9916 | 0.9959 | 0.9977 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 14487.5 | 0.6589 | 0.7771 | 0.8404 | 0.8866 | 0.9306 | 0.9551 | 0.9733 | 0.9874 | 14382.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8861 | 0.9237 | 0.9432 | 0.9584 | 0.9747 | 0.9862 | 0.9910 | 0.9950 | 14377.5 | 0.9927 | 0.9965 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14477.5 | 0.7868 | 0.8698 | 0.9117 | 0.9407 | 0.9663 | 0.9794 | 0.9887 | 0.9946 | 14372.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9024 | 0.9366 | 0.9548 | 0.9686 | 0.9818 | 0.9888 | 0.9935 | 0.9971 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 14472.5 | 0.9028 | 0.9394 | 0.9576 | 0.9709 | 0.9838 | 0.9906 | 0.9949 | 0.9978 |
| 14572.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 14467.5 | 0.8980 | 0.9366 | 0.9557 | 0.9695 | 0.9829 | 0.9898 | 0.9942 | 0.9973 |
| 14567.5 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 14462.5 | 0.9215 | 0.9512 | 0.9658 | 0.9772 | 0.9881 | 0.9934 | 0.9964 | 0.9984 |
| 14562.5 | 0.9924 | 0.9970 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 14457.5 | 0.9218 | 0.9509 | 0.9656 | 0.9766 | 0.9874 | 0.9927 | 0.9958 | 0.9980 |
| 14557.5 | 0.5929 | 0.7119 | 0.7956 | 0.8620 | 0.9266 | 0.9579 | 0.9747 | 0.9896 | 14452.5 | 0.9396 | 0.9626 | 0.9743 | 0.9834 | 0.9916 | 0.9951 | 0.9969 | 0.9987 |
| 14552.5 | 0.5263 | 0.6793 | 0.7656 | 0.8311 | 0.8976 | 0.9359 | 0.9629 | 0.9826 | 14447.5 | 0.9398 | 0.9637 | 0.9752 | 0.9835 | 0.9918 | 0.9952 | 0.9971 | 0.9988 |
| 14547.5 | 0.5521 | 0.6743 | 0.7609 | 0.8323 | 0.9019 | 0.9388 | 0.9649 | 0.9838 | 14442.5 | 0.9766 | 0.9861 | 0.9912 | 0.9950 | 0.9980 | 0.9992 | 0.9996 | 0.9998 |
| 14542.5 | 0.6200 | 0.7482 | 0.8175 | 0.8694 | 0.9195 | 0.9482 | 0.9693 | 0.9854 | 14437.5 | 0.9351 | 0.9590 | 0.9733 | 0.9819 | 0.9923 | 0.9956 | 0.9976 | 0.9990 |
| 14537.5 | 0.7289 | 0.8313 | 0.8821 | 0.9186 | 0.9529 | 0.9715 | 0.9838 | 0.9928 | 14432.5 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14532.5 | 0.8106 | 0.8870 | 0.9219 | 0.9478 | 0.9720 | 0.9837 | 0.9910 | 0.9957 | 14427.5 | 0.9378 | 0.9641 | 0.9786 | 0.9880 | 0.9947 | 0.9973 | 0.9986 | 0.9994 |
| 14527.5 | 0.9909 | 0.9966 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 14422.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.8942 | 0.9343 | 0.9544 | 0.9693 | 0.9835 | 0.9905 | 0.9947 | 0.9976 | 14417.5 | 0.9631 | 0.9806 | 0.9890 | 0.9940 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 14517.5 | 0.7582 | 0.8460 | 0.8913 | 0.9245 | 0.9566 | 0.9736 | 0.9851 | 0.9933 | 14412.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14512.5 | 0.7931 | 0.8684 | 0.9065 | 0.9347 | 0.9619 | 0.9766 | 0.9868 | 0.9942 | 14407.5 | 0.9991 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.8789 | 0.9304 | 0.9537 | 0.9687 | 0.9814 | 0.9881 | 0.9930 | 0.9968 | 14402.5 | 0.9761 | 0.9880 | 0.9930 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 14502.5 | 0.7383 | 0.8268 | 0.8750 | 0.9108 | 0.9451 | 0.9649 | 0.9792 | 0.9904 | 14397.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.7680 | 0.8444 | 0.8858 | 0.9169 | 0.9478 | 0.9664 | 0.9801 | 0.9908 | 14392.5 | 0.9940 | 0.9973 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14492.5 | 0.9427 | 0.9732 | 0.9856 | 0.9922 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 14387.5 | 0.9941 | 0.9972 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14487.5 | 0.7531 | 0.8401 | 0.8854 | 0.9182 | 0.9498 | 0.9680 | 0.9812 | 0.9913 | 14382.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.9151 | 0.9426 | 0.9574 | 0.9689 | 0.9813 | 0.9884 | 0.9933 | 0.9969 | 14377.5 | 0.9947 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14477.5 | 0.8571 | 0.9112 | 0.9368 | 0.9590 | 0.9765 | 0.9856 | 0.9914 | 0.9956 | 14372.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9287 | 0.9540 | 0.9675 | 0.9775 | 0.9870 | 0.9920 | 0.9954 | 0.9979 |

[illegible]

| CWN (cm⁻¹) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9985 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14557.5 | 0.7245 | 0.8135 | 0.8688 | 0.9129 | 0.9546 | 0.9742 | 0.9857 | 0.9938 |
| 14552.5 | 0.6907 | 0.8004 | 0.8535 | 0.8940 | 0.9366 | 0.9610 | 0.9776 | 0.9896 |
| 14547.5 | 0.6988 | 0.8026 | 0.8825 | 0.9058 | 0.9452 | 0.9662 | 0.9807 | 0.9914 |
| 14542.5 | 0.7689 | 0.8482 | 0.8809 | 0.9202 | 0.9506 | 0.9687 | 0.9817 | 0.9914 |
| 14537.5 | 0.8465 | 0.9036 | 0.9317 | 0.9521 | 0.9725 | 0.9833 | 0.9896 | 0.9959 |
| 14532.5 | 0.8955 | 0.9334 | 0.9531 | 0.9684 | 0.9832 | 0.9905 | 0.9948 | 0.9975 |
| 14527.5 | 0.9965 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.9304 | 0.9618 | 0.9750 | 0.9817 | 0.9901 | 0.9942 | 0.9967 | 0.9985 |
| 14517.5 | 0.8568 | 0.9090 | 0.9352 | 0.9544 | 0.9737 | 0.9841 | 0.9906 | 0.9959 |
| 14512.5 | 0.8778 | 0.9222 | 0.9452 | 0.9620 | 0.9781 | 0.9870 | 0.9928 | 0.9969 |
| 14507.5 | 0.9361 | 0.9624 | 0.9741 | 0.9818 | 0.9887 | 0.9927 | 0.9957 | 0.9980 |
| 14502.5 | 0.8401 | 0.8959 | 0.9268 | 0.9458 | 0.9666 | 0.9788 | 0.9875 | 0.9943 |
| 14497.5 | 0.8558 | 0.9037 | 0.9302 | 0.9481 | 0.9678 | 0.9795 | 0.9870 | 0.9941 |
| 14492.5 | 0.9772 | 0.9901 | 0.9947 | 0.9973 | 0.9989 | 0.9995 | 0.9997 | 0.9999 |
| 14487.5 | 0.8530 | 0.9047 | 0.9301 | 0.9498 | 0.9694 | 0.9810 | 0.9892 | 0.9952 |
| 14482.5 | 0.9460 | 0.9633 | 0.9728 | 0.9802 | 0.9882 | 0.9927 | 0.9958 | 0.9980 |
| 14477.5 | 0.9101 | 0.9508 | 0.9655 | 0.9762 | 0.9861 | 0.9916 | 0.9950 | 0.9975 |

| CWN (cm⁻¹) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9459 | 0.9643 | 0.9747 | 0.9824 | 0.9906 | 0.9944 | 0.9970 | 0.9987 |
| 14467.5 | 0.9411 | 0.9620 | 0.9734 | 0.9815 | 0.9895 | 0.9937 | 0.9964 | 0.9984 |
| 14462.5 | 0.9562 | 0.9707 | 0.9795 | 0.9864 | 0.9931 | 0.9962 | 0.9980 | 0.9991 |
| 14457.5 | 0.9564 | 0.9704 | 0.9788 | 0.9856 | 0.9926 | 0.9956 | 0.9975 | 0.9988 |
| 14452.5 | 0.9459 | 0.9769 | 0.9841 | 0.9898 | 0.9949 | 0.9971 | 0.9981 | 0.9992 |
| 14447.5 | 0.9658 | 0.9780 | 0.9846 | 0.9899 | 0.9948 | 0.9970 | 0.9982 | 0.9993 |
| 14442.5 | 0.9862 | 0.9918 | 0.9950 | 0.9974 | 0.9991 | 0.9997 | 0.9998 | 0.9999 |
| 14437.5 | 0.9539 | 0.9750 | 0.9858 | 0.9902 | 0.9953 | 0.9973 | 0.9985 | 0.9994 |
| 14432.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9621 | 0.9784 | 0.9873 | 0.9930 | 0.9969 | 0.9984 | 0.9992 | 0.9997 |
| 14422.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9768 | 0.9880 | 0.9931 | 0.9964 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 14412.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9864 | 0.9940 | 0.9968 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14397.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9969 | 0.9987 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14387.5 | 0.9967 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14382.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9975 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9570 | 0.9724 | 0.9805 | 0.9864 | 0.9922 | 0.9953 | 0.9973 | 0.9988 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.8303 | 0.8863 | 0.9211 | 0.9492 | 0.9745 | 0.9858 | 0.9923 | 0.9967 |
| 14552.5 | 0.8311 | 0.8867 | 0.9136 | 0.9371 | 0.9636 | 0.9782 | 0.9877 | 0.9945 |
| 14547.5 | 0.8628 | 0.9022 | 0.9311 | 0.9518 | 0.9725 | 0.9838 | 0.9911 | 0.9961 |
| 14542.5 | 0.8762 | 0.9167 | 0.9373 | 0.9539 | 0.9725 | 0.9836 | 0.9905 | 0.9956 |
| 14537.5 | 0.9221 | 0.9480 | 0.9624 | 0.9731 | 0.9847 | 0.9910 | 0.9940 | 0.9970 |
| 14532.5 | 0.9440 | 0.9624 | 0.9732 | 0.9824 | 0.9913 | 0.9952 | 0.9976 | 0.9988 |
| 14527.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9685 | 0.9790 | 0.9868 | 0.9896 | 0.9944 | 0.9967 | 0.9981 | 0.9992 |
| 14517.5 | 0.9244 | 0.9501 | 0.9634 | 0.9738 | 0.9849 | 0.9909 | 0.9948 | 0.9977 |
| 14512.5 | 0.9365 | 0.9596 | 0.9711 | 0.9798 | 0.9881 | 0.9930 | 0.9968 | 0.9987 |
| 14507.5 | 0.9694 | 0.9807 | 0.9857 | 0.9893 | 0.9932 | 0.9957 | 0.9974 | 0.9989 |
| 14502.5 | 0.9167 | 0.9433 | 0.9577 | 0.9687 | 0.9808 | 0.9880 | 0.9931 | 0.9969 |
| 14497.5 | 0.9203 | 0.9457 | 0.9591 | 0.9697 | 0.9816 | 0.9886 | 0.9932 | 0.9969 |
| 14492.5 | 0.9933 | 0.9971 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14487.5 | 0.9220 | 0.9472 | 0.9604 | 0.9713 | 0.9836 | 0.9905 | 0.9948 | 0.9978 |
| 14482.5 | 0.9689 | 0.9784 | 0.9835 | 0.9879 | 0.9928 | 0.9956 | 0.9975 | 0.9989 |
| 14477.5 | 0.9605 | 0.9744 | 0.9812 | 0.9865 | 0.9921 | 0.9951 | 0.9971 | 0.9986 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9782 | 0.9800 | 0.9854 | 0.9900 | 0.9947 | 0.9970 | 0.9984 | 0.9993 |
| 14467.5 | 0.9692 | 0.9793 | 0.9866 | 0.9890 | 0.9939 | 0.9966 | 0.9980 | 0.9991 |
| 14462.5 | 0.9750 | 0.9835 | 0.9883 | 0.9925 | 0.9964 | 0.9981 | 0.9990 | 0.9996 |
| 14457.5 | 0.9764 | 0.9828 | 0.9878 | 0.9920 | 0.9960 | 0.9977 | 0.9987 | 0.9994 |
| 14452.5 | 0.9784 | 0.9845 | 0.9910 | 0.9944 | 0.9977 | 0.9984 | 0.9991 | 0.9996 |
| 14447.5 | 0.9806 | 0.9867 | 0.9907 | 0.9940 | 0.9970 | 0.9983 | 0.9990 | 0.9996 |
| 14442.5 | 0.9924 | 0.9958 | 0.9978 | 0.9989 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14437.5 | 0.9768 | 0.9854 | 0.9907 | 0.9944 | 0.9974 | 0.9985 | 0.9992 | 0.9997 |
| 14432.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9767 | 0.9882 | 0.9933 | 0.9964 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 14422.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9865 | 0.9934 | 0.9964 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14412.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9935 | 0.9973 | 0.9986 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14397.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9984 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9768 | 0.9868 | 0.9890 | 0.9923 | 0.9957 | 0.9975 | 0.9986 | 0.9994 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.8868 | 0.9254 | 0.9503 | 0.9696 | 0.9857 | 0.9923 | 0.9959 | 0.9983 |
| 14552.5 | 0.8975 | 0.9266 | 0.9438 | 0.9601 | 0.9785 | 0.9877 | 0.9930 | 0.9971 |
| 14547.5 | 0.9204 | 0.9478 | 0.9623 | 0.9739 | 0.9861 | 0.9927 | 0.9966 | 0.9983 |
| 14542.5 | 0.9288 | 0.9491 | 0.9615 | 0.9723 | 0.9847 | 0.9911 | 0.9950 | 0.9978 |
| 14537.5 | 0.9365 | 0.9691 | 0.9784 | 0.9834 | 0.9912 | 0.9950 | 0.9976 | 0.9989 |
| 14532.5 | 0.9660 | 0.9760 | 0.9845 | 0.9905 | 0.9955 | 0.9976 | 0.9987 | 0.9994 |
| 14527.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9814 | 0.9867 | 0.9902 | 0.9934 | 0.9966 | 0.9981 | 0.9990 | 0.9996 |
| 14517.5 | 0.9566 | 0.9691 | 0.9761 | 0.9830 | 0.9907 | 0.9947 | 0.9971 | 0.9988 |
| 14512.5 | 0.9659 | 0.9772 | 0.9837 | 0.9894 | 0.9949 | 0.9973 | 0.9986 | 0.9994 |
| 14507.5 | 0.9835 | 0.9886 | 0.9904 | 0.9927 | 0.9956 | 0.9974 | 0.9986 | 0.9994 |
| 14502.5 | 0.9517 | 0.9656 | 0.9752 | 0.9799 | 0.9881 | 0.9930 | 0.9961 | 0.9983 |
| 14497.5 | 0.9534 | 0.9665 | 0.9737 | 0.9806 | 0.9886 | 0.9932 | 0.9962 | 0.9983 |
| 14492.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9547 | 0.9680 | 0.9762 | 0.9838 | 0.9916 | 0.9950 | 0.9974 | 0.9988 |
| 14482.5 | 0.9807 | 0.9856 | 0.9885 | 0.9917 | 0.9951 | 0.9974 | 0.9986 | 0.9994 |
| 14477.5 | 0.9780 | 0.9843 | 0.9881 | 0.9914 | 0.9951 | 0.9971 | 0.9984 | 0.9993 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9822 | 0.9873 | 0.9906 | 0.9938 | 0.9970 | 0.9983 | 0.9991 | 0.9996 |
| 14467.5 | 0.9818 | 0.9863 | 0.9895 | 0.9928 | 0.9963 | 0.9979 | 0.9989 | 0.9995 |
| 14462.5 | 0.9848 | 0.9897 | 0.9931 | 0.9958 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 14457.5 | 0.9844 | 0.9894 | 0.9928 | 0.9955 | 0.9978 | 0.9988 | 0.9994 | 0.9997 |
| 14452.5 | 0.9872 | 0.9917 | 0.9946 | 0.9968 | 0.9985 | 0.9992 | 0.9995 | 0.9998 |
| 14447.5 | 0.9860 | 0.9910 | 0.9940 | 0.9963 | 0.9983 | 0.9991 | 0.9995 | 0.9998 |
| 14442.5 | 0.9967 | 0.9984 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14437.5 | 0.9860 | 0.9908 | 0.9944 | 0.9968 | 0.9986 | 0.9992 | 0.9996 | 0.9998 |
| 14432.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9870 | 0.9935 | 0.9964 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14422.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9921 | 0.9964 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14412.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9970 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9865 | 0.9907 | 0.9932 | 0.9954 | 0.9976 | 0.9986 | 0.9993 | 0.9997 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.9249 | 0.9542 | 0.9738 | 0.9853 | 0.9935 | 0.9967 | 0.9983 | 0.9993 |
| 14552.5 | 0.9340 | 0.9511 | 0.9656 | 0.9783 | 0.9897 | 0.9945 | 0.9971 | 0.9988 |
| 14547.5 | 0.9622 | 0.9738 | 0.9811 | 0.9878 | 0.9942 | 0.9969 | 0.9984 | 0.9993 |
| 14542.5 | 0.9595 | 0.9694 | 0.9774 | 0.9853 | 0.9927 | 0.9960 | 0.9979 | 0.9991 |
| 14537.5 | 0.9732 | 0.9802 | 0.9860 | 0.9913 | 0.9959 | 0.9978 | 0.9989 | 0.9996 |
| 14532.5 | 0.9805 | 0.9860 | 0.9926 | 0.9958 | 0.9982 | 0.9990 | 0.9995 | 0.9998 |
| 14527.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9872 | 0.9909 | 0.9940 | 0.9964 | 0.9984 | 0.9991 | 0.9996 | 0.9998 |
| 14517.5 | 0.9715 | 0.9783 | 0.9844 | 0.9903 | 0.9954 | 0.9975 | 0.9987 | 0.9995 |
| 14512.5 | 0.9830 | 0.9881 | 0.9910 | 0.9933 | 0.9962 | 0.9979 | 0.9989 | 0.9996 |
| 14507.5 | 0.9867 | 0.9917 | 0.9935 | 0.9955 | 0.9977 | 0.9988 | 0.9994 | 0.9997 |
| 14502.5 | 0.9706 | 0.9766 | 0.9821 | 0.9880 | 0.9940 | 0.9967 | 0.9983 | 0.9993 |
| 14497.5 | 0.9712 | 0.9770 | 0.9826 | 0.9884 | 0.9942 | 0.9968 | 0.9984 | 0.9993 |
| 14492.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9749 | 0.9824 | 0.9878 | 0.9925 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 14482.5 | 0.9857 | 0.9902 | 0.9924 | 0.9952 | 0.9976 | 0.9986 | 0.9994 | 0.9997 |
| 14477.5 | 0.9858 | 0.9887 | 0.9915 | 0.9948 | 0.9975 | 0.9986 | 0.9993 | 0.9997 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9882 | 0.9919 | 0.9947 | 0.9969 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |
| 14467.5 | 0.9864 | 0.9906 | 0.9936 | 0.9961 | 0.9982 | 0.9991 | 0.9995 | 0.9998 |
| 14462.5 | 0.9908 | 0.9945 | 0.9967 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14457.5 | 0.9902 | 0.9938 | 0.9962 | 0.9979 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 14452.5 | 0.9915 | 0.9953 | 0.9977 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14447.5 | 0.9904 | 0.9943 | 0.9968 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 14442.5 | 0.9987 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14437.5 | 0.9904 | 0.9951 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14432.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9936 | 0.9971 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9963 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9938 | 0.9953 | 0.9961 | 0.9974 | 0.9988 | 0.9994 | 0.9997 | 0.9998 |

[illegible]

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.9476 | 0.9731 | 0.9850 | 0.9920 | 0.9967 | 0.9983 | 0.9991 | 0.9997 |
| 14552.5 | 0.9467 | 0.9651 | 0.9780 | 0.9876 | 0.9944 | 0.9971 | 0.9985 | 0.9994 |
| 14547.5 | 0.9713 | 0.9822 | 0.9884 | 0.9932 | 0.9970 | 0.9984 | 0.9992 | 0.9997 |
| 14542.5 | 0.9670 | 0.9772 | 0.9850 | 0.9911 | 0.9960 | 0.9979 | 0.9990 | 0.9996 |
| 14537.5 | 0.9792 | 0.9862 | 0.9913 | 0.9950 | 0.9978 | 0.9989 | 0.9994 | 0.9998 |
| 14532.5 | 0.9867 | 0.9928 | 0.9959 | 0.9978 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 14527.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9903 | 0.9937 | 0.9963 | 0.9980 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 14517.5 | 0.9761 | 0.9843 | 0.9901 | 0.9945 | 0.9975 | 0.9987 | 0.9993 | 0.9997 |
| 14512.5 | 0.9891 | 0.9916 | 0.9940 | 0.9970 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 14507.5 | 0.9915 | 0.9935 | 0.9955 | 0.9972 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 14502.5 | 0.9747 | 0.9818 | 0.9878 | 0.9927 | 0.9967 | 0.9982 | 0.9991 | 0.9996 |
| 14497.5 | 0.9750 | 0.9821 | 0.9880 | 0.9928 | 0.9968 | 0.9983 | 0.9991 | 0.9996 |
| 14492.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9824 | 0.9886 | 0.9929 | 0.9960 | 0.9983 | 0.9991 | 0.9996 | 0.9998 |
| 14482.5 | 0.9879 | 0.9921 | 0.9951 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 14477.5 | 0.9863 | 0.9911 | 0.9945 | 0.9968 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9910 | 0.9947 | 0.9969 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 14467.5 | 0.9897 | 0.9934 | 0.9960 | 0.9978 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 14462.5 | 0.9930 | 0.9968 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14457.5 | 0.9926 | 0.9961 | 0.9978 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 1.0000 |
| 14452.5 | 0.9941 | 0.9971 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14447.5 | 0.9932 | 0.9966 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14442.5 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14437.5 | 0.9940 | 0.9972 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14432.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9965 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9938 | 0.9961 | 0.9976 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |

Table 5–3: Transmission functions for the B band at 200 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm⁻¹) | PATH LENGTH (km) | | | | | | | | CWN (cm⁻¹) | PATH LENGTH (km) | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 | | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 14577.5 | 0.9861 | 0.9934 | 0.9968 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 14472.5 | 0.7218 | 0.8221 | 0.8766 | 0.9168 | 0.9548 | 0.9740 | 0.9858 | 0.9940 |
| 14572.5 | 0.9770 | 0.9907 | 0.9954 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 14467.5 | 0.7127 | 0.8162 | 0.8722 | 0.9133 | 0.9524 | 0.9723 | 0.9849 | 0.9935 |
| 14567.5 | 0.9622 | 0.9847 | 0.9923 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 14462.5 | 0.7808 | 0.8464 | 0.9100 | 0.9417 | 0.9700 | 0.9836 | 0.9911 | 0.9963 |
| 14562.5 | 0.9287 | 0.9706 | 0.9852 | 0.9926 | 0.9970 | 0.9985 | 0.9993 | 0.9997 | 14457.5 | 0.7944 | 0.8708 | 0.9110 | 0.9414 | 0.9609 | 0.9812 | 0.9906 | 0.9960 |
| 14557.5 | 0.3282 | 0.4727 | 0.5955 | 0.7160 | 0.8465 | 0.9172 | 0.9575 | 0.9799 | 14452.5 | 0.8484 | 0.9088 | 0.9408 | 0.9637 | 0.9829 | 0.9906 | 0.9949 | 0.9978 |
| 14552.5 | 0.0983 | 0.2742 | 0.4252 | 0.5839 | 0.7224 | 0.8200 | 0.8878 | 0.9506 | 14447.5 | 0.8468 | 0.9064 | 0.9390 | 0.9630 | 0.9827 | 0.9905 | 0.9950 | 0.9980 |
| 14547.5 | 0.0706 | 0.2221 | 0.3678 | 0.5110 | 0.6728 | 0.7767 | 0.8653 | 0.9357 | 14442.5 | 0.9424 | 0.9686 | 0.9817 | 0.9906 | 0.9955 | 0.9974 | 0.9988 | 0.9995 |
| 14542.5 | 0.0960 | 0.2831 | 0.4427 | 0.5841 | 0.7329 | 0.8216 | 0.8808 | 0.9482 | 14437.5 | 0.8505 | 0.9131 | 0.9470 | 0.9700 | 0.9866 | 0.9930 | 0.9964 | 0.9986 |
| 14537.5 | 0.1808 | 0.4014 | 0.5603 | 0.6907 | 0.8164 | 0.8837 | 0.9320 | 0.9696 | 14432.5 | 0.9915 | 0.9966 | 0.9981 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14532.5 | 0.3860 | 0.5895 | 0.7100 | 0.8021 | 0.8905 | 0.9333 | 0.9640 | 0.9838 | 14427.5 | 0.8817 | 0.9381 | 0.9656 | 0.9813 | 0.9923 | 0.9961 | 0.9980 | 0.9992 |
| 14527.5 | 0.9021 | 0.9595 | 0.9793 | 0.9897 | 0.9959 | 0.9979 | 0.9990 | 0.9996 | 14422.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14522.5 | 0.5076 | 0.7475 | 0.8254 | 0.8816 | 0.9338 | 0.9607 | 0.9786 | 0.9907 | 14417.5 | 0.9477 | 0.9758 | 0.9870 | 0.9933 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 14517.5 | 0.2890 | 0.4940 | 0.6283 | 0.7348 | 0.8306 | 0.9086 | 0.9434 | 0.9735 | 14412.5 | 0.9849 | 0.9936 | 0.9967 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14512.5 | 0.3759 | 0.5636 | 0.6820 | 0.7738 | 0.8611 | 0.9088 | 0.9418 | 0.9753 | 14407.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14507.5 | 0.5078 | 0.6961 | 0.7967 | 0.8664 | 0.9246 | 0.9524 | 0.9718 | 0.9871 | 14402.5 | 0.9720 | 0.9860 | 0.9928 | 0.9964 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 14502.5 | 0.3179 | 0.5096 | 0.6240 | 0.7199 | 0.8206 | 0.8801 | 0.9241 | 0.9657 | 14397.5 | 0.9984 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.3920 | 0.5635 | 0.6723 | 0.7586 | 0.8445 | 0.8960 | 0.9340 | 0.9701 | 14392.5 | 0.9928 | 0.9971 | 0.9985 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14492.5 | 0.7064 | 0.8341 | 0.8960 | 0.9376 | 0.9707 | 0.9844 | 0.9914 | 0.9965 | 14387.5 | 0.9938 | 0.9975 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14487.5 | 0.3604 | 0.5321 | 0.6568 | 0.7521 | 0.8478 | 0.9020 | 0.9411 | 0.9721 | 14382.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.7551 | 0.8465 | 0.8903 | 0.9208 | 0.9514 | 0.9694 | 0.9835 | 0.9922 | 14377.5 | 0.9960 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14477.5 | 0.5543 | 0.7072 | 0.7954 | 0.8622 | 0.9226 | 0.9532 | 0.9718 | 0.9882 | 14372.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8148 | 0.8703 | 0.9048 | 0.9325 | 0.9595 | 0.9741 | 0.9848 | 0.9931 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 14577.5 | 0.9910 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 14472.5 | 0.7851 | 0.8656 | 0.9074 | 0.9376 | 0.9681 | 0.9805 | 0.9894 | 0.9955 |
| 14572.5 | 0.9870 | 0.9948 | 0.9974 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 14467.5 | 0.7778 | 0.8607 | 0.9037 | 0.9349 | 0.9642 | 0.9792 | 0.9888 | 0.9950 |
| 14567.5 | 0.9788 | 0.9914 | 0.9957 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 14462.5 | 0.8364 | 0.8988 | 0.9321 | 0.9561 | 0.9774 | 0.9876 | 0.9933 | 0.9972 |
| 14562.5 | 0.9589 | 0.9834 | 0.9916 | 0.9958 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 14457.5 | 0.8423 | 0.9019 | 0.9324 | 0.9558 | 0.9772 | 0.9871 | 0.9927 | 0.9968 |
| 14557.5 | 0.4072 | 0.5581 | 0.6723 | 0.7761 | 0.8815 | 0.9326 | 0.9614 | 0.9845 | 14452.5 | 0.8869 | 0.9312 | 0.9552 | 0.9725 | 0.9869 | 0.9923 | 0.9959 | 0.9983 |
| 14552.5 | 0.2013 | 0.3952 | 0.5337 | 0.6548 | 0.7867 | 0.8618 | 0.9142 | 0.9622 | 14447.5 | 0.8833 | 0.9300 | 0.9549 | 0.9726 | 0.9870 | 0.9923 | 0.9961 | 0.9984 |
| 14547.5 | 0.1580 | 0.3401 | 0.4851 | 0.6079 | 0.7442 | 0.8306 | 0.8948 | 0.9518 | 14442.5 | 0.9574 | 0.9768 | 0.9861 | 0.9926 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 14542.5 | 0.2062 | 0.4140 | 0.5577 | 0.6755 | 0.7961 | 0.8630 | 0.9118 | 0.9602 | 14437.5 | 0.8865 | 0.9345 | 0.9601 | 0.9774 | 0.9888 | 0.9944 | 0.9972 | 0.9989 |
| 14537.5 | 0.3155 | 0.5322 | 0.6668 | 0.7688 | 0.8630 | 0.9136 | 0.9484 | 0.9776 | 14432.5 | 0.9945 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14532.5 | 0.5180 | 0.6869 | 0.7807 | 0.8516 | 0.9129 | 0.9516 | 0.9737 | 0.9875 | 14427.5 | 0.9103 | 0.9533 | 0.9740 | 0.9861 | 0.9942 | 0.9971 | 0.9985 | 0.9994 |
| 14527.5 | 0.9422 | 0.9766 | 0.9883 | 0.9941 | 0.9976 | 0.9988 | 0.9994 | 0.9998 | 14422.5 | 0.9969 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14522.5 | 0.6968 | 0.8116 | 0.8699 | 0.9116 | 0.9505 | 0.9706 | 0.9838 | 0.9930 | 14417.5 | 0.9598 | 0.9816 | 0.9899 | 0.9948 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |
| 14517.5 | 0.4168 | 0.6034 | 0.7136 | 0.7972 | 0.8787 | 0.9231 | 0.9531 | 0.9800 | 14412.5 | 0.9903 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14512.5 | 0.4923 | 0.6602 | 0.7566 | 0.8280 | 0.8968 | 0.9319 | 0.9593 | 0.9814 | 14407.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.6789 | 0.7701 | 0.8562 | 0.9064 | 0.9457 | 0.9656 | 0.9786 | 0.9905 | 14402.5 | 0.9788 | 0.9892 | 0.9944 | 0.9973 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 14502.5 | 0.4450 | 0.6010 | 0.7016 | 0.7813 | 0.8615 | 0.9081 | 0.9436 | 0.9730 | 14397.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.4994 | 0.6528 | 0.7426 | 0.8178 | 0.8790 | 0.9186 | 0.9556 | 0.9770 | 14392.5 | 0.9948 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14492.5 | 0.7939 | 0.8862 | 0.9308 | 0.9630 | 0.9821 | 0.9906 | 0.9950 | 0.9980 | 14387.5 | 0.9955 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14487.5 | 0.4619 | 0.6320 | 0.7337 | 0.8135 | 0.8860 | 0.9251 | 0.9568 | 0.9785 | 14382.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8150 | 0.8823 | 0.9143 | 0.9371 | 0.9617 | 0.9760 | 0.9843 | 0.9930 | 14377.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14477.5 | 0.6507 | 0.7790 | 0.8498 | 0.8989 | 0.9434 | 0.9658 | 0.9806 | 0.9917 | 14372.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8691 | 0.9078 | 0.9283 | 0.9482 | 0.9681 | 0.9805 | 0.9885 | 0.9948 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 14577.5 | 0.9940 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 14472.5 | 0.8566 | 0.9103 | 0.9382 | 0.9583 | 0.9771 | 0.9870 | 0.9929 | 0.9970 |
| 14572.5 | 0.9962 | 0.9977 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 14467.5 | 0.8487 | 0.9065 | 0.9355 | 0.9563 | 0.9760 | 0.9863 | 0.9923 | 0.9966 |
| 14567.5 | 0.9904 | 0.9962 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 14462.5 | 0.8888 | 0.9330 | 0.9545 | 0.9701 | 0.9850 | 0.9918 | 0.9955 | 0.9981 |
| 14562.5 | 0.9815 | 0.9924 | 0.9963 | 0.9981 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 14457.5 | 0.8931 | 0.9334 | 0.9544 | 0.9700 | 0.9844 | 0.9912 | 0.9949 | 0.9979 |
| 14557.5 | 0.5267 | 0.6678 | 0.7627 | 0.8420 | 0.9181 | 0.9555 | 0.9764 | 0.9892 | 14452.5 | 0.9222 | 0.9534 | 0.9695 | 0.9812 | 0.9909 | 0.9947 | 0.9970 | 0.9988 |
| 14552.5 | 0.3686 | 0.5488 | 0.6639 | 0.7560 | 0.8501 | 0.9068 | 0.9442 | 0.9760 | 14447.5 | 0.9221 | 0.9542 | 0.9705 | 0.9817 | 0.9912 | 0.9950 | 0.9972 | 0.9989 |
| 14547.5 | 0.3160 | 0.5030 | 0.6211 | 0.7187 | 0.8249 | 0.8873 | 0.9326 | 0.9686 | 14442.5 | 0.9721 | 0.9866 | 0.9909 | 0.9951 | 0.9981 | 0.9991 | 0.9995 | 0.9998 |
| 14542.5 | 0.3886 | 0.5767 | 0.6881 | 0.7767 | 0.8582 | 0.9062 | 0.9473 | 0.9725 | 14437.5 | 0.9252 | 0.9560 | 0.9731 | 0.9862 | 0.9929 | 0.9962 | 0.9982 | 0.9992 |
| 14537.5 | 0.5071 | 0.6833 | 0.7789 | 0.8470 | 0.9003 | 0.9428 | 0.9666 | 0.9831 | 14432.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14532.5 | 0.6667 | 0.7887 | 0.8531 | 0.9006 | 0.9448 | 0.9672 | 0.9816 | 0.9913 | 14427.5 | 0.9394 | 0.9687 | 0.9826 | 0.9907 | 0.9961 | 0.9980 | 0.9990 | 0.9996 |
| 14527.5 | 0.9726 | 0.9889 | 0.9945 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 14422.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.7988 | 0.8756 | 0.9137 | 0.9412 | 0.9670 | 0.9806 | 0.9892 | 0.9952 | 14417.5 | 0.9720 | 0.9871 | 0.9930 | 0.9964 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 14517.5 | 0.5709 | 0.7251 | 0.8039 | 0.8621 | 0.9176 | 0.9480 | 0.9688 | 0.9864 | 14412.5 | 0.9952 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14512.5 | 0.6379 | 0.7667 | 0.8344 | 0.8829 | 0.9288 | 0.9544 | 0.9730 | 0.9878 | 14407.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.7600 | 0.8615 | 0.9090 | 0.9400 | 0.9652 | 0.9776 | 0.9862 | 0.9937 | 14402.5 | 0.9850 | 0.9931 | 0.9965 | 0.9982 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14502.5 | 0.5830 | 0.7129 | 0.7891 | 0.8477 | 0.9047 | 0.9371 | 0.9614 | 0.9822 | 14397.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.6337 | 0.7525 | 0.8172 | 0.8666 | 0.9192 | 0.9457 | 0.9656 | 0.9849 | 14392.5 | 0.9968 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14492.5 | 0.8767 | 0.9360 | 0.9632 | 0.9799 | 0.9912 | 0.9954 | 0.9977 | 0.9991 | 14387.5 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14487.5 | 0.6125 | 0.7452 | 0.8175 | 0.8704 | 0.9206 | 0.9486 | 0.9691 | 0.9853 | 14382.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.8737 | 0.9187 | 0.9386 | 0.9551 | 0.9728 | 0.9831 | 0.9904 | 0.9956 | 14377.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14477.5 | 0.7624 | 0.8556 | 0.9024 | 0.9348 | 0.9632 | 0.9777 | 0.9879 | 0.9940 | 14372.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.8910 | 0.9286 | 0.9492 | 0.9665 | 0.9790 | 0.9868 | 0.9923 | 0.9964 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 14577.5 | 0.9980 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 14472.5 | 0.8981 | 0.9371 | 0.9584 | 0.9705 | 0.9840 | 0.9909 | 0.9950 | 0.9979 |
| 14572.5 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 14467.5 | 0.8935 | 0.9343 | 0.9545 | 0.9691 | 0.9830 | 0.9900 | 0.9944 | 0.9975 |
| 14567.5 | 0.9953 | 0.9981 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 14462.5 | 0.9228 | 0.9527 | 0.9674 | 0.9790 | 0.9891 | 0.9942 | 0.9969 | 0.9987 |
| 14562.5 | 0.9909 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 14457.5 | 0.9239 | 0.9528 | 0.9674 | 0.9785 | 0.9888 | 0.9936 | 0.9963 | 0.9983 |
| 14557.5 | 0.6265 | 0.7479 | 0.8237 | 0.8844 | 0.9406 | 0.9663 | 0.9814 | 0.9921 | 14452.5 | 0.9448 | 0.9666 | 0.9781 | 0.9865 | 0.9934 | 0.9961 | 0.9978 | 0.9991 |
| 14552.5 | 0.5075 | 0.6624 | 0.7521 | 0.8213 | 0.8911 | 0.9316 | 0.9600 | 0.9813 | 14447.5 | 0.9465 | 0.9681 | 0.9790 | 0.9870 | 0.9936 | 0.9963 | 0.9979 | 0.9992 |
| 14547.5 | 0.4625 | 0.6210 | 0.7169 | 0.7966 | 0.8785 | 0.9229 | 0.9561 | 0.9780 | 14442.5 | 0.9806 | 0.9893 | 0.9938 | 0.9968 | 0.9985 | 0.9993 | 0.9997 | 0.9999 |
| 14542.5 | 0.5376 | 0.6890 | 0.7739 | 0.8369 | 0.8980 | 0.9325 | 0.9584 | 0.9802 | 14437.5 | 0.9457 | 0.9687 | 0.9809 | 0.9891 | 0.9948 | 0.9972 | 0.9986 | 0.9994 |
| 14537.5 | 0.6479 | 0.7709 | 0.8461 | 0.8832 | 0.9365 | 0.9600 | 0.9767 | 0.9884 | 14432.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14532.5 | 0.7637 | 0.8515 | 0.8966 | 0.9297 | 0.9608 | 0.9763 | 0.9867 | 0.9937 | 14427.5 | 0.9569 | 0.9779 | 0.9878 | 0.9934 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 14527.5 | 0.9856 | 0.9942 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 14422.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.8602 | 0.9131 | 0.9397 | 0.9586 | 0.9768 | 0.9867 | 0.9923 | 0.9964 | 14417.5 | 0.9797 | 0.9906 | 0.9949 | 0.9974 | 0.9989 | 0.9995 | 0.9997 | 0.9999 |
| 14517.5 | 0.6930 | 0.8020 | 0.8602 | 0.9019 | 0.9413 | 0.9631 | 0.9786 | 0.9902 | 14412.5 | 0.9974 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 14512.5 | 0.7387 | 0.8338 | 0.8817 | 0.9166 | 0.9499 | 0.9682 | 0.9816 | 0.9917 | 14407.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.8401 | 0.9086 | 0.9394 | 0.9595 | 0.9759 | 0.9862 | 0.9906 | 0.9955 | 14402.5 | 0.9906 | 0.9955 | 0.9977 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 14502.5 | 0.6866 | 0.7887 | 0.8467 | 0.8902 | 0.9335 | 0.9550 | 0.9726 | 0.9873 | 14397.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.7273 | 0.8168 | 0.8656 | 0.9021 | 0.9380 | 0.9591 | 0.9753 | 0.9885 | 14392.5 | 0.9978 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14492.5 | 0.9249 | 0.9634 | 0.9800 | 0.9893 | 0.9954 | 0.9977 | 0.9988 | 0.9995 | 14387.5 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.7161 | 0.8174 | 0.8693 | 0.9070 | 0.9427 | 0.9631 | 0.9780 | 0.9897 | 14382.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.9071 | 0.9376 | 0.9539 | 0.9665 | 0.9803 | 0.9878 | 0.9929 | 0.9967 | 14377.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14477.5 | 0.8355 | 0.9017 | 0.9337 | 0.9551 | 0.9744 | 0.9844 | 0.9910 | 0.9957 | 14372.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9201 | 0.9484 | 0.9633 | 0.9744 | 0.9851 | 0.9907 | 0.9945 | 0.9976 |
| [illegible] | | | | | | | | | | | | | | | | | |
| 14577.5 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14472.5 | 0.9414 | 0.9633 | 0.9743 | 0.9826 | 0.9906 | 0.9946 | 0.9971 | 0.9987 |
| 14572.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 14467.5 | 0.9390 | 0.9619 | 0.9732 | 0.9816 | 0.9898 | 0.9940 | 0.9966 | 0.9986 |
| 14567.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 14462.5 | 0.9552 | 0.9719 | 0.9808 | 0.9877 | 0.9940 | 0.9967 | 0.9983 | 0.9993 |
| 14562.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 14457.5 | 0.9535 | 0.9718 | 0.9802 | 0.9870 | 0.9934 | 0.9963 | 0.9978 | 0.9990 |
| 14557.5 | 0.7535 | 0.8396 | 0.8898 | 0.9286 | 0.9638 | 0.9796 | 0.9888 | 0.9952 | 14452.5 | 0.9675 | 0.9798 | 0.9867 | 0.9919 | 0.9961 | 0.9977 | 0.9987 | 0.9995 |
| 14552.5 | 0.6869 | 0.7909 | 0.8468 | 0.8893 | 0.9332 | 0.9581 | 0.9760 | 0.9888 | 14447.5 | 0.9696 | 0.9808 | 0.9871 | 0.9920 | 0.9961 | 0.9977 | 0.9987 | 0.9995 |
| 14547.5 | 0.6497 | 0.7638 | 0.8328 | 0.8854 | 0.9327 | 0.9576 | 0.9751 | 0.9880 | 14442.5 | 0.9888 | 0.9939 | 0.9966 | 0.9984 | 0.9993 | 0.9998 | 0.9999 | 1.0000 |
| 14542.5 | 0.7149 | 0.8126 | 0.8641 | 0.9021 | 0.9380 | 0.9592 | 0.9756 | 0.9886 | 14437.5 | 0.9676 | 0.9813 | 0.9886 | 0.9934 | 0.9968 | 0.9983 | 0.9991 | 0.9996 |
| 14537.5 | 0.8003 | 0.8747 | 0.9130 | 0.9383 | 0.9630 | 0.9767 | 0.9866 | 0.9938 | 14432.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14532.5 | 0.8637 | 0.9130 | 0.9382 | 0.9581 | 0.9763 | 0.9861 | 0.9921 | 0.9964 | 14427.5 | 0.9743 | 0.9871 | 0.9929 | 0.9962 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 14527.5 | 0.9946 | 0.9978 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 14422.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9205 | 0.9502 | 0.9650 | 0.9758 | 0.9861 | 0.9918 | 0.9953 | 0.9977 | 14417.5 | 0.9877 | 0.9944 | 0.9970 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 14517.5 | 0.8179 | 0.8860 | 0.9176 | 0.9418 | 0.9651 | 0.9781 | 0.9872 | 0.9940 | 14412.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14512.5 | 0.8464 | 0.9019 | 0.9306 | 0.9516 | 0.9713 | 0.9821 | 0.9888 | 0.9956 | 14407.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14507.5 | 0.9161 | 0.9512 | 0.9669 | 0.9771 | 0.9857 | 0.9905 | 0.9942 | 0.9977 | 14402.5 | 0.9949 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14502.5 | 0.8047 | 0.8725 | 0.9082 | 0.9342 | 0.9588 | 0.9730 | 0.9832 | 0.9924 | 14397.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14497.5 | 0.8302 | 0.8870 | 0.9172 | 0.9397 | 0.9619 | 0.9752 | 0.9851 | 0.9930 | 14392.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14492.5 | 0.9688 | 0.9842 | 0.9925 | 0.9962 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 14387.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.8327 | 0.8918 | 0.9219 | 0.9437 | 0.9653 | 0.9781 | 0.9874 | 0.9943 | 14382.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14482.5 | 0.9411 | 0.9606 | 0.9708 | 0.9790 | 0.9875 | 0.9923 | 0.9956 | 0.9979 | 14377.5 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14477.5 | 0.9100 | 0.9440 | 0.9639 | 0.9744 | 0.9852 | 0.9909 | 0.9947 | 0.9977 | 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | | | | | | | | | BAND | 0.9520 | 0.9693 | 0.9785 | 0.9850 | 0.9912 | 0.9945 | 0.9968 | 0.9985 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14572.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14567.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14562.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14557.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14552.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14547.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14542.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14537.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14532.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14527.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14522.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14517.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14512.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14507.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14502.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14497.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14492.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14487.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14482.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14477.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14467.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14462.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14457.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14452.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14447.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14442.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14437.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14432.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14427.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14422.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14417.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14412.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14407.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14402.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14397.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14392.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14387.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14382.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14377.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14372.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| BAND | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14572.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14567.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14562.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14557.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14552.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14547.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14542.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14537.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14532.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14527.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14522.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14517.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14512.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14507.5 | 0.9800 | 0.9865 | 0.9896 | 0.9917 | 0.9945 | 0.9961 | 0.9970 | 0.9991 |
| 14502.5 | 0.9418 | 0.9612 | 0.9702 | 0.9774 | 0.9859 | 0.9912 | 0.9960 | 0.9977 |
| 14497.5 | 0.9477 | 0.9633 | 0.9717 | 0.9786 | 0.9869 | 0.9919 | 0.9956 | 0.9970 |
| 14492.5 | 0.9975 | 0.9980 | 0.9995 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14487.5 | 0.9510 | 0.9658 | 0.9743 | 0.9810 | 0.9904 | 0.9947 | 0.9977 | 0.9988 |
| 14482.5 | 0.9801 | 0.9857 | 0.9888 | 0.9917 | 0.9953 | 0.9973 | 0.9985 | 0.9993 |
| 14477.5 | 0.9770 | 0.9863 | 0.9882 | 0.9916 | 0.9952 | 0.9972 | 0.9986 | 0.9992 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14467.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14462.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14457.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14452.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14447.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14442.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14437.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14432.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14427.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14422.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14417.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14412.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14407.5 | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] | [illegible] |
| 14402.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9850 | 0.9905 | 0.9931 | 0.9951 | 0.9973 | 0.9984 | 0.9991 | 0.9996 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.9426 | 0.9648 | 0.9801 | 0.9889 | 0.9951 | 0.9975 | 0.9987 | 0.9995 |
| 14552.5 | 0.9393 | 0.9537 | 0.9659 | 0.9777 | 0.9890 | 0.9960 | 0.9948 | 0.9987 |
| 14547.5 | 0.9581 | 0.9715 | 0.9792 | 0.9860 | 0.9931 | 0.9961 | 0.9981 | 0.9992 |
| 14542.5 | 0.9519 | 0.9680 | 0.9734 | 0.9820 | 0.9910 | 0.9949 | 0.9972 | 0.9988 |
| 14537.5 | 0.9716 | 0.9780 | 0.9831 | 0.9885 | 0.9947 | 0.9968 | 0.9984 | 0.9993 |
| 14532.5 | 0.9776 | 0.9852 | 0.9903 | 0.9942 | 0.9974 | 0.9986 | 0.9993 | 0.9997 |
| 14527.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9870 | 0.9899 | 0.9927 | 0.9952 | 0.9977 | 0.9987 | 0.9995 | 0.9997 |
| 14517.5 | 0.9710 | 0.9767 | 0.9818 | 0.9874 | 0.9936 | 0.9963 | 0.9987 | 0.9992 |
| 14512.5 | 0.9807 | 0.9871 | 0.9912 | 0.9946 | 0.9975 | 0.9987 | 0.9995 | 0.9997 |
| 14507.5 | 0.9802 | 0.9812 | 0.9926 | 0.9944 | 0.9960 | 0.9982 | 0.9995 | 0.9998 |
| 14502.5 | 0.9697 | 0.9763 | 0.9808 | 0.9861 | 0.9926 | 0.9957 | 0.9977 | 0.9990 |
| 14497.5 | 0.9709 | 0.9773 | 0.9818 | 0.9871 | 0.9931 | 0.9961 | 0.9979 | 0.9991 |
| 14492.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9739 | 0.9817 | 0.9870 | 0.9918 | 0.9962 | 0.9980 | 0.9989 | 0.9994 |
| 14482.5 | 0.9867 | 0.9895 | 0.9923 | 0.9950 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 14477.5 | 0.9872 | 0.9910 | 0.9925 | 0.9951 | 0.9974 | 0.9986 | 0.9993 | 0.9997 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9880 | 0.9923 | 0.9950 | 0.9970 | 0.9987 | 0.9993 | 0.9996 | 0.9998 |
| 14467.5 | 0.9877 | 0.9911 | 0.9940 | 0.9964 | 0.9983 | 0.9991 | 0.9995 | 0.9998 |
| 14462.5 | 0.9916 | 0.9951 | 0.9971 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 14457.5 | 0.9919 | 0.9951 | 0.9971 | 0.9984 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 14452.5 | 0.9930 | 0.9948 | 0.9962 | 0.9980 | 0.9986 | 0.9994 | 0.9999 | 0.9998 |
| 14447.5 | 0.9928 | 0.9960 | 0.9977 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 14442.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14437.5 | 0.9957 | 0.9970 | 0.9984 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14432.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9965 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 0.9996 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9922 | 0.9945 | 0.9960 | 0.9974 | 0.9987 | 0.9993 | 0.9996 | 0.9998 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14577.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14572.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14567.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14562.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14557.5 | 0.9604 | 0.9797 | 0.9887 | 0.9939 | 0.9973 | 0.9987 | 0.9993 | 0.9997 |
| 14552.5 | 0.9504 | 0.9637 | 0.9774 | 0.9866 | 0.9940 | 0.9968 | 0.9984 | 0.9993 |
| 14547.5 | 0.9763 | 0.9818 | 0.9874 | 0.9923 | 0.9965 | 0.9982 | 0.9991 | 0.9996 |
| 14542.5 | 0.9684 | 0.9762 | 0.9830 | 0.9893 | 0.9949 | 0.9972 | 0.9986 | 0.9994 |
| 14537.5 | 0.9776 | 0.9835 | 0.9886 | 0.9930 | 0.9968 | 0.9983 | 0.9991 | 0.9996 |
| 14532.5 | 0.9848 | 0.9900 | 0.9943 | 0.9970 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 14527.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14522.5 | 0.9886 | 0.9922 | 0.9950 | 0.9971 | 0.9987 | 0.9993 | 0.9996 | 0.9998 |
| 14517.5 | 0.9745 | 0.9811 | 0.9869 | 0.9919 | 0.9962 | 0.9980 | 0.9990 | 0.9996 |
| 14512.5 | 0.9884 | 0.9926 | 0.9952 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 14507.5 | 0.9911 | 0.9927 | 0.9944 | 0.9963 | 0.9982 | 0.9990 | 0.9995 | 0.9998 |
| 14502.5 | 0.9752 | 0.9805 | 0.9857 | 0.9908 | 0.9956 | 0.9976 | 0.9988 | 0.9995 |
| 14497.5 | 0.9760 | 0.9816 | 0.9868 | 0.9916 | 0.9960 | 0.9979 | 0.9989 | 0.9995 |
| 14492.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14487.5 | 0.9826 | 0.9883 | 0.9925 | 0.9957 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 14482.5 | 0.9881 | 0.9920 | 0.9948 | 0.9970 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |
| 14477.5 | 0.9883 | 0.9910 | 0.9948 | 0.9969 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 14472.5 | 0.9915 | 0.9949 | 0.9970 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 14467.5 | 0.9898 | 0.9938 | 0.9962 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 14462.5 | 0.9965 | 0.9972 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 14457.5 | 0.9943 | 0.9971 | 0.9986 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 14452.5 | 0.9961 | 0.9982 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14447.5 | 0.9951 | 0.9976 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 14442.5 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14437.5 | 0.9962 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 14432.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14427.5 | 0.9982 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 14422.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14417.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14412.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14407.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14402.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14397.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14392.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14387.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14382.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14377.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 14372.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9947 | 0.9961 | 0.9974 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |

Table 6–1: Transmission functions for the $\gamma$ band at 300 k, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15927.5 | 0.7122 | 0.8430 | 0.9097 | 0.9510 | 0.9794 | 0.9898 | 0.9947 | 0.9979 |
| 15922.5 | 0.7215 | 0.8481 | 0.9132 | 0.9514 | 0.9790 | 0.9893 | 0.9944 | 0.9978 |
| 15917.5 | 0.8108 | 0.9060 | 0.9470 | 0.9706 | 0.9872 | 0.9935 | 0.9967 | 0.9987 |
| 15912.5 | 0.8980 | 0.9502 | 0.9726 | 0.9851 | 0.9939 | 0.9969 | 0.9984 | 0.9994 |
| 15907.5 | 0.9438 | 0.9739 | 0.9853 | 0.9921 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 15902.5 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15897.5 | 0.9313 | 0.9668 | 0.9805 | 0.9896 | 0.9958 | 0.9979 | 0.9989 | 0.9996 |
| 15892.5 | 0.9439 | 0.9721 | 0.9847 | 0.9918 | 0.9966 | 0.9983 | 0.9991 | 0.9997 |
| 15887.5 | 0.8914 | 0.9438 | 0.9688 | 0.9834 | 0.9931 | 0.9965 | 0.9982 | 0.9993 |
| 15882.5 | 0.9425 | 0.9702 | 0.9833 | 0.9909 | 0.9962 | 0.9980 | 0.9990 | 0.9996 |
| 15877.5 | 0.9351 | 0.9656 | 0.9807 | 0.9896 | 0.9957 | 0.9978 | 0.9989 | 0.9996 |
| 15872.5 | 0.8831 | 0.9365 | 0.9631 | 0.9787 | 0.9899 | 0.9949 | 0.9974 | 0.9990 |
| 15867.5 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15862.5 | 0.8802 | 0.9403 | 0.9656 | 0.9799 | 0.9905 | 0.9952 | 0.9974 | 0.9990 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15857.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15852.5 | 0.9026 | 0.9498 | 0.9719 | 0.9844 | 0.9935 | 0.9967 | 0.9983 | 0.9993 |
| 15847.5 | 0.9973 | 0.9989 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15842.5 | 0.9190 | 0.9600 | 0.9778 | 0.9879 | 0.9950 | 0.9975 | 0.9987 | 0.9995 |
| 15837.5 | 0.9986 | 0.9996 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9365 | 0.9697 | 0.9831 | 0.9907 | 0.9962 | 0.9981 | 0.9990 | 0.9996 |
| 15827.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9748 | 0.9880 | 0.9941 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15817.5 | 0.9759 | 0.9801 | 0.9865 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15812.5 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9676 | 0.9851 | 0.9922 | 0.9960 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15802.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9808 | 0.9937 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15792.5 | 0.9890 | 0.9956 | 0.9978 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15787.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9855 | 0.9939 | 0.9968 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15777.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9681 | 0.9835 | 0.9907 | 0.9949 | 0.9978 | 0.9989 | 0.9994 | [illegible] |

[illegible]

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.7603 | 0.8774 | 0.9330 | 0.9620 | 0.9841 | 0.9919 | 0.9959 | 0.9984 |
| 15922.5 | 0.7829 | 0.8822 | 0.9324 | 0.9625 | 0.9836 | 0.9917 | 0.9959 | 0.9983 |
| 15917.5 | 0.8633 | 0.9268 | 0.9587 | 0.9773 | 0.9909 | 0.9949 | 0.9974 | 0.9990 |
| 15912.5 | 0.9230 | 0.9625 | 0.9790 | 0.9884 | 0.9952 | 0.9976 | 0.9988 | 0.9995 |
| 15907.5 | 0.9573 | 0.9801 | 0.9886 | 0.9936 | 0.9975 | 0.9987 | 0.9994 | 0.9997 |
| 15902.5 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9470 | 0.9742 | 0.9846 | 0.9917 | 0.9966 | 0.9983 | 0.9992 | 0.9997 |
| 15892.5 | 0.9572 | 0.9796 | 0.9883 | 0.9935 | 0.9973 | 0.9987 | 0.9994 | 0.9997 |
| 15887.5 | 0.9172 | 0.9575 | 0.9763 | 0.9875 | 0.9947 | 0.9973 | 0.9987 | 0.9994 |
| 15882.5 | 0.9567 | 0.9775 | 0.9873 | 0.9930 | 0.9970 | 0.9985 | 0.9992 | 0.9997 |
| 15877.5 | 0.9509 | 0.9761 | 0.9855 | 0.9922 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 15872.5 | 0.9100 | 0.9511 | 0.9716 | 0.9851 | 0.9920 | 0.9960 | 0.9980 | 0.9992 |
| 15867.5 | 0.9972 | 0.9990 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15862.5 | 0.9150 | 0.9562 | 0.9735 | 0.9846 | 0.9927 | 0.9963 | 0.9981 | 0.9991 |
| 15857.5 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9237 | 0.9618 | 0.9785 | 0.9870 | 0.9950 | 0.9975 | 0.9987 | 0.9993 |
| 15847.5 | 0.9982 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9384 | 0.9695 | 0.9829 | 0.9905 | 0.9961 | 0.9980 | 0.9990 | 0.9996 |
| 15837.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9524 | 0.9772 | 0.9871 | 0.9928 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15827.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9809 | 0.9916 | 0.9955 | 0.9977 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 15817.5 | 0.9818 | 0.9918 | 0.9957 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15812.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9751 | 0.9888 | 0.9930 | 0.9969 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15802.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9925 | 0.9960 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15792.5 | 0.9925 | 0.9967 | 0.9983 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15787.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9857 | 0.9935 | 0.9977 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 15777.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9751 | 0.9876 | 0.9929 | 0.9961 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |

[illegible]

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8340 | 0.9159 | 0.9512 | 0.9734 | 0.9888 | 0.9944 | 0.9972 | 0.9989 |
| 15922.5 | 0.8471 | 0.9186 | 0.9532 | 0.9739 | 0.9886 | 0.9942 | 0.9971 | 0.9988 |
| 15917.5 | 0.9049 | 0.9516 | 0.9724 | 0.9842 | 0.9930 | 0.9964 | 0.9982 | 0.9993 |
| 15912.5 | 0.9477 | 0.9742 | 0.9856 | 0.9917 | 0.9966 | 0.9983 | 0.9991 | 0.9997 |
| 15907.5 | 0.9711 | 0.9868 | 0.9925 | 0.9958 | 0.9983 | 0.9991 | 0.9996 | 0.9998 |
| 15902.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9632 | 0.9821 | 0.9892 | 0.9941 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |
| 15892.5 | 0.9707 | 0.9858 | 0.9924 | 0.9960 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15887.5 | 0.9411 | 0.9710 | 0.9838 | 0.9913 | 0.9963 | 0.9982 | 0.9991 | 0.9996 |
| 15882.5 | 0.9706 | 0.9847 | 0.9913 | 0.9951 | 0.9979 | 0.9989 | 0.9994 | 0.9998 |
| 15877.5 | 0.9668 | 0.9826 | 0.9902 | 0.9948 | 0.9978 | 0.9989 | 0.9994 | 0.9998 |
| 15872.5 | 0.9373 | 0.9663 | 0.9808 | 0.9888 | 0.9946 | 0.9973 | 0.9986 | 0.9994 |
| 15867.5 | 0.9987 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9411 | 0.9687 | 0.9822 | 0.9898 | 0.9952 | 0.9976 | 0.9988 | 0.9994 |
| 15857.5 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9497 | 0.9738 | 0.9852 | 0.9918 | 0.9965 | 0.9983 | 0.9991 | 0.9997 |
| 15847.5 | 0.9997 | 0.9998 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9574 | 0.9789 | 0.9879 | 0.9931 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15837.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9686 | 0.9847 | 0.9912 | 0.9950 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 15827.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9871 | 0.9942 | 0.9970 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15817.5 | 0.9877 | 0.9945 | 0.9971 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15812.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9851 | 0.9922 | 0.9958 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15802.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9951 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15792.5 | 0.9951 | 0.9979 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15787.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9932 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15777.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9831 | 0.9916 | 0.9951 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |

[illegible]

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8767 | 0.9374 | 0.9644 | 0.9806 | 0.9919 | 0.9959 | 0.9979 | 0.9992 |
| 15922.5 | 0.8876 | 0.9409 | 0.9662 | 0.9811 | 0.9918 | 0.9958 | 0.9979 | 0.9992 |
| 15917.5 | 0.9329 | 0.9652 | 0.9802 | 0.9886 | 0.9949 | 0.9974 | 0.9987 | 0.9995 |
| 15912.5 | 0.9623 | 0.9813 | 0.9892 | 0.9938 | 0.9974 | 0.9987 | 0.9994 | 0.9997 |
| 15907.5 | 0.9786 | 0.9906 | 0.9947 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15902.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9734 | 0.9872 | 0.9923 | 0.9958 | 0.9983 | 0.9991 | 0.9996 | 0.9998 |
| 15892.5 | 0.9781 | 0.9902 | 0.9949 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 15887.5 | 0.9580 | 0.9791 | 0.9884 | 0.9937 | 0.9974 | 0.9987 | 0.9993 | 0.9997 |
| 15882.5 | 0.9788 | 0.9889 | 0.9936 | 0.9965 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15877.5 | 0.9763 | 0.9876 | 0.9931 | 0.9965 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 15872.5 | 0.9544 | 0.9759 | 0.9864 | 0.9923 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 15867.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9571 | 0.9778 | 0.9877 | 0.9932 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 15857.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9630 | 0.9812 | 0.9896 | 0.9940 | 0.9975 | 0.9988 | 0.9994 | 0.9998 |
| 15847.5 | 0.9996 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9691 | 0.9844 | 0.9910 | 0.9948 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |
| 15837.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9777 | 0.9891 | 0.9937 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9998 |
| 15827.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9909 | 0.9967 | 0.9979 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15817.5 | 0.9913 | 0.9961 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15812.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9888 | 0.9945 | 0.9969 | 0.9983 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15802.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9967 | 0.9984 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15792.5 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15787.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9956 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15777.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9878 | 0.9938 | 0.9965 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |

[illegible]

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9220 | 0.9611 | 0.9781 | 0.9881 | 0.9950 | 0.9975 | 0.9988 | 0.9995 |
| 15922.5 | 0.9131 | 0.9643 | 0.9797 | 0.9889 | 0.9952 | 0.9976 | 0.9988 | 0.9995 |
| 15917.5 | 0.9531 | 0.9791 | 0.9861 | 0.9932 | 0.9970 | 0.9985 | 0.9992 | 0.9997 |
| 15912.5 | 0.9764 | 0.9881 | 0.9932 | 0.9961 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15907.5 | 0.9861 | 0.9940 | 0.9972 | 0.9983 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15902.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9843 | 0.9926 | 0.9957 | 0.9974 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 15892.5 | 0.9862 | 0.9944 | 0.9974 | 0.9977 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 15887.5 | 0.9747 | 0.9873 | 0.9929 | 0.9962 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15882.5 | 0.9867 | 0.9930 | 0.9959 | 0.9977 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 15877.5 | 0.9854 | 0.9927 | 0.9960 | 0.9978 | 0.9991 | 0.9995 | 0.9997 | 0.9999 |
| 15872.5 | 0.9723 | 0.9861 | 0.9926 | 0.9959 | 0.9982 | 0.9991 | 0.9996 | 0.9998 |
| 15867.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9745 | 0.9874 | 0.9935 | 0.9965 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 15857.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9775 | 0.9887 | 0.9937 | 0.9965 | 0.9986 | 0.9993 | 0.9996 | 0.9999 |
| 15847.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9804 | 0.9901 | 0.9943 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 15837.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9867 | 0.9935 | 0.9963 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15827.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9948 | 0.9977 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15817.5 | 0.9948 | 0.9977 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15812.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9928 | 0.9966 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15802.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9981 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9925 | 0.9963 | 0.9979 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |

[illegible]

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9561 | 0.9780 | 0.9880 | 0.9936 | 0.9974 | 0.9987 | 0.9993 | 0.9997 |
| 15922.5 | 0.9606 | 0.9806 | 0.9894 | 0.9943 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |
| 15917.5 | 0.9768 | 0.9886 | 0.9937 | 0.9965 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 15912.5 | 0.9863 | 0.9932 | 0.9962 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 15907.5 | 0.9946 | 0.9977 | 0.9985 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15902.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9919 | 0.9963 | 0.9980 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15892.5 | 0.9943 | 0.9977 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15887.5 | 0.9854 | 0.9930 | 0.9962 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15882.5 | 0.9919 | 0.9956 | 0.9976 | 0.9987 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15877.5 | 0.9919 | 0.9960 | 0.9979 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 15872.5 | 0.9860 | 0.9937 | 0.9967 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15867.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9877 | 0.9947 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15857.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9873 | 0.9939 | 0.9967 | 0.9981 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 15847.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9881 | 0.9942 | 0.9968 | 0.9987 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15837.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9925 | 0.9965 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9973 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15817.5 | 0.9973 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9961 | 0.9983 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15802.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9959 | 0.9980 | 0.9988 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |

| CWN (cm) | PATH LENGTH (km) 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9728 | 0.9878 | 0.9936 | 0.9967 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 15922.5 | 0.9772 | 0.9897 | 0.9945 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15917.5 | 0.9867 | 0.9938 | 0.9967 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15912.5 | 0.9917 | 0.9961 | 0.9979 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 0.9999 |
| 15907.5 | 0.9975 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15902.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9958 | 0.9982 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15892.5 | 0.9975 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15887.5 | 0.9914 | 0.9961 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15882.5 | 0.9948 | 0.9975 | 0.9987 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15877.5 | 0.9953 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15872.5 | 0.9934 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15867.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9945 | 0.9977 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15857.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9928 | 0.9968 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15847.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9927 | 0.9967 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15837.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9958 | 0.9981 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15817.5 | 0.9983 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9970 | 0.9991 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15802.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9998 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9977 | 0.9990 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |

Table 6–2: Transmission functions for the $\gamma$ band at 250 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15927.5 | 0.7011 | 0.8357 | 0.9057 | 0.9488 | 0.9785 | 0.9891 | 0.9945 | 0.9978 |
| 15922.5 | 0.6936 | 0.8284 | 0.8998 | 0.9442 | 0.9756 | 0.9874 | 0.9936 | 0.9974 |
| 15917.5 | 0.7797 | 0.8809 | 0.9317 | 0.9622 | 0.9832 | 0.9915 | 0.9957 | 0.9983 |
| 15912.5 | 0.8726 | 0.9352 | 0.9639 | 0.9803 | 0.9917 | 0.9958 | 0.9979 | 0.9992 |
| 15907.5 | 0.9264 | 0.9650 | 0.9806 | 0.9891 | 0.9955 | 0.9978 | 0.9989 | 0.9996 |
| 15902.5 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15897.5 | 0.9106 | 0.9556 | 0.9747 | 0.9857 | 0.9941 | 0.9970 | 0.9985 | 0.9994 |
| 15892.5 | 0.9275 | 0.9624 | 0.9791 | 0.9888 | 0.9952 | 0.9976 | 0.9988 | 0.9995 |
| 15887.5 | 0.8635 | 0.9267 | 0.9583 | 0.9776 | 0.9905 | 0.9952 | 0.9976 | 0.9990 |
| 15882.5 | 0.9289 | 0.9620 | 0.9784 | 0.9882 | 0.9950 | 0.9974 | 0.9987 | 0.9995 |
| 15877.5 | 0.9201 | 0.9564 | 0.9750 | 0.9864 | 0.9943 | 0.9971 | 0.9986 | 0.9994 |
| 15872.5 | 0.8612 | 0.9231 | 0.9548 | 0.9741 | 0.9874 | 0.9936 | 0.9968 | 0.9987 |
| 15867.5 | 0.9931 | 0.9972 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15862.5 | 0.8726 | 0.9305 | 0.9595 | 0.9766 | 0.9887 | 0.9943 | 0.9971 | 0.9988 |
| 15857.5 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15852.5 | 0.8924 | 0.9443 | 0.9688 | 0.9827 | 0.9928 | 0.9963 | 0.9982 | 0.9993 |
| 15847.5 | 0.9967 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15842.5 | 0.9140 | 0.9586 | 0.9770 | 0.9875 | 0.9949 | 0.9974 | 0.9987 | 0.9995 |
| 15837.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9379 | 0.9708 | 0.9836 | 0.9913 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 15827.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9774 | 0.9901 | 0.9949 | 0.9974 | 0.9989 | 0.9995 | 0.9997 | 0.9999 |
| 15817.5 | 0.9789 | 0.9905 | 0.9951 | 0.9975 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 15812.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9737 | 0.9882 | 0.9940 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15802.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9927 | 0.9970 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15792.5 | 0.9927 | 0.9969 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15787.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9911 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15777.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9640 | 0.9810 | 0.9892 | 0.9941 | 0.9974 | 0.9987 | 0.9993 | 0.9997 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.7603 | 0.8721 | 0.9270 | 0.9604 | 0.9831 | 0.9916 | 0.9958 | 0.9983 |
| 15922.5 | 0.7625 | 0.8685 | 0.9231 | 0.9571 | 0.9809 | 0.9902 | 0.9951 | 0.9980 |
| 15917.5 | 0.8329 | 0.9101 | 0.9483 | 0.9711 | 0.9869 | 0.9933 | 0.9966 | 0.9986 |
| 15912.5 | 0.9043 | 0.9513 | 0.9726 | 0.9848 | 0.9936 | 0.9967 | 0.9984 | 0.9993 |
| 15907.5 | 0.9440 | 0.9731 | 0.9851 | 0.9918 | 0.9965 | 0.9982 | 0.9991 | 0.9997 |
| 15902.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9308 | 0.9657 | 0.9802 | 0.9885 | 0.9953 | 0.9976 | 0.9988 | 0.9995 |
| 15892.5 | 0.9451 | 0.9713 | 0.9842 | 0.9916 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 15887.5 | 0.8960 | 0.9443 | 0.9686 | 0.9828 | 0.9926 | 0.9963 | 0.9982 | 0.9993 |
| 15882.5 | 0.9463 | 0.9714 | 0.9837 | 0.9910 | 0.9961 | 0.9980 | 0.9990 | 0.9996 |
| 15877.5 | 0.9307 | 0.9673 | 0.9812 | 0.9898 | 0.9957 | 0.9978 | 0.9989 | 0.9996 |
| 15872.5 | 0.8934 | 0.9409 | 0.9652 | 0.9800 | 0.9901 | 0.9949 | 0.9975 | 0.9990 |
| 15867.5 | 0.9961 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15862.5 | 0.9075 | 0.9468 | 0.9690 | 0.9821 | 0.9913 | 0.9956 | 0.9978 | 0.9991 |
| 15857.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9181 | 0.9576 | 0.9762 | 0.9866 | 0.9944 | 0.9972 | 0.9986 | 0.9994 |
| 15847.5 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9316 | 0.9682 | 0.9821 | 0.9902 | 0.9960 | 0.9980 | 0.9990 | 0.9996 |
| 15837.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9535 | 0.9780 | 0.9875 | 0.9932 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15827.5 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9830 | 0.9925 | 0.9961 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15817.5 | 0.9838 | 0.9928 | 0.9963 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15812.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9799 | 0.9909 | 0.9953 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 15802.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9947 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15792.5 | 0.9946 | 0.9977 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15787.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9935 | 0.9973 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15777.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9724 | 0.9855 | 0.9919 | 0.9956 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8280 | 0.9107 | 0.9492 | 0.9723 | 0.9883 | 0.9941 | 0.9970 | 0.9988 |
| 15922.5 | 0.8333 | 0.9088 | 0.9469 | 0.9703 | 0.9866 | 0.9932 | 0.9966 | 0.9986 |
| 15917.5 | 0.8869 | 0.9391 | 0.9649 | 0.9801 | 0.9908 | 0.9953 | 0.9976 | 0.9990 |
| 15912.5 | 0.9356 | 0.9670 | 0.9812 | 0.9892 | 0.9954 | 0.9977 | 0.9988 | 0.9995 |
| 15907.5 | 0.9620 | 0.9820 | 0.9899 | 0.9941 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |
| 15902.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9520 | 0.9762 | 0.9862 | 0.9918 | 0.9967 | 0.9983 | 0.9992 | 0.9997 |
| 15892.5 | 0.9623 | 0.9807 | 0.9895 | 0.9941 | 0.9977 | 0.9988 | 0.9994 | 0.9998 |
| 15887.5 | 0.9289 | 0.9622 | 0.9785 | 0.9883 | 0.9950 | 0.9975 | 0.9987 | 0.9995 |
| 15882.5 | 0.9638 | 0.9806 | 0.9889 | 0.9937 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15877.5 | 0.9563 | 0.9780 | 0.9874 | 0.9932 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15872.5 | 0.9262 | 0.9592 | 0.9762 | 0.9864 | 0.9932 | 0.9966 | 0.9983 | 0.9993 |
| 15867.5 | 0.9983 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9327 | 0.9635 | 0.9790 | 0.9881 | 0.9942 | 0.9971 | 0.9985 | 0.9994 |
| 15857.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9440 | 0.9711 | 0.9837 | 0.9907 | 0.9961 | 0.9980 | 0.9990 | 0.9996 |
| 15847.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9558 | 0.9781 | 0.9876 | 0.9929 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15837.5 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9692 | 0.9853 | 0.9914 | 0.9953 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 15827.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9886 | 0.9950 | 0.9974 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 15817.5 | 0.9891 | 0.9952 | 0.9975 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 |
| 15812.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9864 | 0.9936 | 0.9967 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 15802.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9967 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15792.5 | 0.9965 | 0.9986 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15787.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9958 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15777.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9810 | 0.9901 | 0.9944 | 0.9969 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8727 | 0.9340 | 0.9631 | 0.9798 | 0.9915 | 0.9957 | 0.9978 | 0.9991 |
| 15922.5 | 0.8776 | 0.9359 | 0.9618 | 0.9786 | 0.9906 | 0.9951 | 0.9975 | 0.9990 |
| 15917.5 | 0.9189 | 0.9564 | 0.9748 | 0.9857 | 0.9935 | 0.9968 | 0.9983 | 0.9993 |
| 15912.5 | 0.9539 | 0.9763 | 0.9863 | 0.9920 | 0.9965 | 0.9982 | 0.9991 | 0.9996 |
| 15907.5 | 0.9731 | 0.9874 | 0.9930 | 0.9960 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15902.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9652 | 0.9829 | 0.9901 | 0.9941 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |
| 15892.5 | 0.9730 | 0.9864 | 0.9928 | 0.9961 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 15887.5 | 0.9488 | 0.9729 | 0.9846 | 0.9916 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 15882.5 | 0.9741 | 0.9861 | 0.9919 | 0.9954 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |
| 15877.5 | 0.9710 | 0.9844 | 0.9911 | 0.9952 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 15872.5 | 0.9463 | 0.9707 | 0.9832 | 0.9904 | 0.9954 | 0.9977 | 0.9988 | 0.9995 |
| 15867.5 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9512 | 0.9741 | 0.9854 | 0.9920 | 0.9962 | 0.9981 | 0.9990 | 0.9996 |
| 15857.5 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9595 | 0.9793 | 0.9885 | 0.9936 | 0.9977 | 0.9986 | 0.9993 | 0.9997 |
| 15847.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9680 | 0.9840 | 0.9908 | 0.9946 | 0.9978 | 0.9989 | 0.9994 | 0.9998 |
| 15837.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9786 | 0.9896 | 0.9939 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 15827.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9920 | 0.9965 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15817.5 | 0.9923 | 0.9966 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15812.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9903 | 0.9954 | 0.9976 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 15802.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9976 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15787.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9973 | 0.9989 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15777.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9863 | 0.9929 | 0.9960 | 0.9978 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9998 | 0.9994 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9204 | 0.9600 | 0.9774 | 0.9874 | 0.9948 | 0.9974 | 0.9987 | 0.9994 |
| 15922.5 | 0.9262 | 0.9603 | 0.9773 | 0.9874 | 0.9944 | 0.9972 | 0.9986 | 0.9994 |
| 15917.5 | 0.9506 | 0.9719 | 0.9850 | 0.9915 | 0.9961 | 0.9980 | 0.9990 | 0.9996 |
| 15912.5 | 0.9719 | 0.9835 | 0.9915 | 0.9949 | 0.9978 | 0.9989 | 0.9994 | 0.9998 |
| 15907.5 | 0.9845 | 0.9910 | 0.9963 | 0.9979 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15902.5 | 0.9998 | 0.9994 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9791 | 0.9901 | 0.9944 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 15892.5 | 0.9845 | 0.9927 | 0.9963 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15887.5 | 0.9686 | 0.9837 | 0.9907 | 0.9949 | 0.9978 | 0.9989 | 0.9994 | 0.9998 |
| 15882.5 | 0.9841 | 0.9914 | 0.9950 | 0.9971 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 15877.5 | 0.9820 | 0.9978 | 0.9948 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15872.5 | 0.9672 | 0.9831 | 0.9907 | 0.9950 | 0.9977 | 0.9989 | 0.9994 | 0.9998 |
| 15867.5 | 0.9907 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9707 | 0.9855 | 0.9923 | 0.9960 | 0.9982 | 0.9991 | 0.9996 | 0.9998 |
| 15857.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9755 | 0.9877 | 0.9931 | 0.9962 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15847.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9801 | 0.9899 | 0.9942 | 0.9964 | 0.9984 | 0.9991 | 0.9997 | 0.9998 |
| 15837.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9872 | 0.9918 | 0.9944 | 0.9987 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15827.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9954 | 0.9980 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15817.5 | 0.9956 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15812.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9945 | 0.9973 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15802.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9989 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9917 | 0.9958 | 0.9978 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9538 | 0.9771 | 0.9875 | 0.9931 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15922.5 | 0.9527 | 0.9788 | 0.9881 | 0.9936 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15917.5 | 0.9723 | 0.9859 | 0.9921 | 0.9956 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 15912.5 | 0.9838 | 0.9916 | 0.9952 | 0.9972 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |
| 15907.5 | 0.9927 | 0.9969 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 0.9999 |
| 15902.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9801 | 0.9931 | 0.9973 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15892.5 | 0.9925 | 0.9968 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15887.5 | 0.9821 | 0.9909 | 0.9949 | 0.9971 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 15882.5 | 0.9906 | 0.9950 | 0.9970 | 0.9983 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15877.5 | 0.9902 | 0.9950 | 0.9972 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15872.5 | 0.9829 | 0.9921 | 0.9959 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15867.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9855 | 0.9934 | 0.9968 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |
| 15857.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9861 | 0.9935 | 0.9964 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15847.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9882 | 0.9942 | 0.9967 | 0.9981 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15837.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9950 | 0.9967 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9977 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15817.5 | 0.9975 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9978 | 0.9986 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15802.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9916 | 0.9978 | 0.9988 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9723 | 0.9872 | 0.9932 | 0.9964 | 0.9985 | 0.9993 | 0.9996 | 0.9998 |
| 15922.5 | 0.9758 | 0.9886 | 0.9939 | 0.9968 | 0.9986 | 0.9993 | 0.9997 | 0.9999 |
| 15917.5 | 0.9840 | 0.9924 | 0.9958 | 0.9978 | 0.9990 | 0.9995 | 0.9998 | 0.9999 |
| 15912.5 | 0.9900 | 0.9951 | 0.9973 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15907.5 | 0.9967 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15902.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9944 | 0.9976 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15892.5 | 0.9966 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15887.5 | 0.9891 | 0.9949 | 0.9973 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15882.5 | 0.9939 | 0.9969 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15877.5 | 0.9943 | 0.9971 | 0.9985 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15872.5 | 0.9920 | 0.9966 | 0.9983 | 0.9991 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15867.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9934 | 0.9974 | 0.9987 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15857.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9924 | 0.9966 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15847.5 | 0.9998 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9928 | 0.9967 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15837.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9961 | 0.9985 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9988 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15817.5 | 0.9987 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9985 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15802.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9974 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |

Table 6–3: Transmission functions for the $\gamma$ band at 200 K, averaged over 5 $cm^{-1}$ intervals and over the whole band interval.

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9978 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9954 | 0.9981 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15927.5 | 0.6985 | 0.8344 | 0.9058 | 0.9491 | 0.9786 | 0.9891 | 0.9945 | 0.9978 |
| 15922.5 | 0.6630 | 0.8061 | 0.8824 | 0.9338 | 0.9704 | 0.9848 | 0.9923 | 0.9969 |
| 15917.5 | 0.7191 | 0.8421 | 0.9069 | 0.9482 | 0.9767 | 0.9880 | 0.9940 | 0.9976 |
| 15912.5 | 0.8297 | 0.9091 | 0.9483 | 0.9716 | 0.9878 | 0.9938 | 0.9969 | 0.9987 |
| 15907.5 | 0.8969 | 0.9491 | 0.9718 | 0.9837 | 0.9933 | 0.9966 | 0.9983 | 0.9993 |
| 15902.5 | 0.9937 | 0.9975 | 0.9987 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15897.5 | 0.8776 | 0.9366 | 0.9640 | 0.9792 | 0.9912 | 0.9956 | 0.9978 | 0.9991 |
| 15892.5 | 0.9021 | 0.9470 | 0.9696 | 0.9835 | 0.9929 | 0.9964 | 0.9982 | 0.9993 |
| 15887.5 | 0.8228 | 0.9006 | 0.9415 | 0.9680 | 0.9863 | 0.9930 | 0.9965 | 0.9986 |
| 15882.5 | 0.9093 | 0.9499 | 0.9709 | 0.9840 | 0.9931 | 0.9965 | 0.9982 | 0.9993 |
| 15877.5 | 0.8901 | 0.9433 | 0.9684 | 0.9815 | 0.9921 | 0.9960 | 0.9980 | 0.9992 |
| 15872.5 | 0.8326 | 0.9054 | 0.9437 | 0.9679 | 0.9842 | 0.9919 | 0.9960 | 0.9984 |
| 15867.5 | 0.9902 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15862.5 | 0.8534 | 0.9195 | 0.9529 | 0.9730 | 0.9869 | 0.9933 | 0.9966 | 0.9986 |
| 15857.5 | 0.9959 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15852.5 | 0.8836 | 0.9401 | 0.9666 | 0.9815 | 0.9923 | 0.9961 | 0.9980 | 0.9992 |
| 15847.5 | 0.9961 | 0.9984 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15842.5 | 0.9152 | 0.9594 | 0.9773 | 0.9882 | 0.9952 | 0.9976 | 0.9988 | 0.9995 |
| 15837.5 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9451 | 0.9747 | 0.9859 | 0.9928 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15827.5 | 0.9988 | 0.9996 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9829 | 0.9927 | 0.9961 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15817.5 | 0.9833 | 0.9929 | 0.9964 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15812.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9825 | 0.9927 | 0.9961 | 0.9981 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15802.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9959 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15792.5 | 0.9959 | 0.9983 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15787.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9962 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15777.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9583 | 0.9775 | 0.9870 | 0.9928 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |

| CWN (cm⁻¹) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9974 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15927.5 | 0.7589 | 0.8711 | 0.9272 | 0.9607 | 0.9835 | 0.9916 | 0.9958 | 0.9983 |
| 15922.5 | 0.7373 | 0.8492 | 0.9100 | 0.9493 | 0.9770 | 0.9882 | 0.9940 | 0.9976 |
| 15917.5 | 0.7867 | 0.8808 | 0.9297 | 0.9607 | 0.9818 | 0.9907 | 0.9953 | 0.9981 |
| 15912.5 | 0.8724 | 0.9319 | 0.9611 | 0.9786 | 0.9905 | 0.9952 | 0.9976 | 0.9990 |
| 15907.5 | 0.9213 | 0.9611 | 0.9784 | 0.9872 | 0.9947 | 0.9973 | 0.9987 | 0.9995 |
| 15902.5 | 0.9964 | 0.9986 | 0.9993 | 0.9996 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15897.5 | 0.9056 | 0.9510 | 0.9720 | 0.9835 | 0.9930 | 0.9966 | 0.9982 | 0.9993 |
| 15892.5 | 0.9264 | 0.9598 | 0.9770 | 0.9871 | 0.9946 | 0.9973 | 0.9986 | 0.9994 |
| 15887.5 | 0.8647 | 0.9244 | 0.9557 | 0.9757 | 0.9896 | 0.9947 | 0.9973 | 0.9989 |
| 15882.5 | 0.9317 | 0.9624 | 0.9781 | 0.9879 | 0.9948 | 0.9973 | 0.9986 | 0.9994 |
| 15877.5 | 0.9230 | 0.9573 | 0.9748 | 0.9861 | 0.9941 | 0.9970 | 0.9985 | 0.9994 |
| 15872.5 | 0.8717 | 0.9274 | 0.9567 | 0.9752 | 0.9874 | 0.9936 | 0.9968 | 0.9987 |
| 15867.5 | 0.9964 | 0.9978 | 0.9989 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15862.5 | 0.8879 | 0.9383 | 0.9639 | 0.9792 | 0.9898 | 0.9948 | 0.9974 | 0.9989 |
| 15857.5 | 0.9978 | 0.9991 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15852.5 | 0.9118 | 0.9545 | 0.9745 | 0.9857 | 0.9941 | 0.9970 | 0.9985 | 0.9994 |
| 15847.5 | 0.9975 | 0.9990 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15842.5 | 0.9337 | 0.9691 | 0.9828 | 0.9907 | 0.9962 | 0.9981 | 0.9990 | 0.9996 |
| 15837.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9588 | 0.9809 | 0.9890 | 0.9944 | 0.9977 | 0.9989 | 0.9994 | 0.9998 |
| 15827.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9870 | 0.9944 | 0.9972 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15817.5 | 0.9874 | 0.9946 | 0.9975 | 0.9986 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |
| 15812.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9866 | 0.9943 | 0.9971 | 0.9986 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15802.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15792.5 | 0.9970 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15787.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9971 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15777.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9682 | 0.9829 | 0.9901 | 0.9945 | 0.9976 | 0.9988 | 0.9994 | 0.9998 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| | PATH LENGTH (km) | | | | | | | |
| 15942.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9992 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8278 | 0.9105 | 0.9495 | 0.9726 | 0.9884 | 0.9941 | 0.9971 | 0.9988 |
| 15922.5 | 0.8158 | 0.8955 | 0.9382 | 0.9652 | 0.9839 | 0.9918 | 0.9959 | 0.9983 |
| 15917.5 | 0.8559 | 0.9197 | 0.9525 | 0.9732 | 0.9871 | 0.9934 | 0.9967 | 0.9987 |
| 15912.5 | 0.9147 | 0.9543 | 0.9737 | 0.9851 | 0.9932 | 0.9966 | 0.9983 | 0.9993 |
| 15907.5 | 0.9466 | 0.9737 | 0.9853 | 0.9911 | 0.9963 | 0.9982 | 0.9991 | 0.9996 |
| 15902.5 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9345 | 0.9661 | 0.9805 | 0.9883 | 0.9950 | 0.9975 | 0.9987 | 0.9995 |
| 15892.5 | 0.9497 | 0.9727 | 0.9845 | 0.9917 | 0.9963 | 0.9982 | 0.9991 | 0.9996 |
| 15887.5 | 0.9079 | 0.9486 | 0.9700 | 0.9835 | 0.9924 | 0.9963 | 0.9981 | 0.9993 |
| 15882.5 | 0.9541 | 0.9747 | 0.9852 | 0.9917 | 0.9962 | 0.9980 | 0.9990 | 0.9996 |
| 15877.5 | 0.9487 | 0.9713 | 0.9831 | 0.9901 | 0.9960 | 0.9980 | 0.9990 | 0.9996 |
| 15872.5 | 0.9115 | 0.9509 | 0.9702 | 0.9830 | 0.9911 | 0.9956 | 0.9978 | 0.9991 |
| 15867.5 | 0.9975 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 |
| 15862.5 | 0.9250 | 0.9577 | 0.9754 | 0.9860 | 0.9932 | 0.9965 | 0.9983 | 0.9993 |

| CWN (cm) | 50.0 | 20.0 | 10.0 | 5.0 | 2.0 | 1.0 | 0.5 | 0.2 |
|---|---|---|---|---|---|---|---|---|
| | PATH LENGTH (km) | | | | | | | |
| 15857.5 | 0.9980 | 0.9994 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9397 | 0.9690 | 0.9826 | 0.9901 | 0.9959 | 0.9979 | 0.9990 | 0.9996 |
| 15847.5 | 0.9985 | 0.9994 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9562 | 0.9757 | 0.9860 | 0.9933 | 0.9973 | 0.9986 | 0.9993 | 0.9997 |
| 15837.5 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9727 | 0.9871 | 0.9924 | 0.9961 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15827.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9913 | 0.9953 | 0.9981 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15817.5 | 0.9918 | 0.9964 | 0.9982 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15812.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9907 | 0.9960 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15802.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9787 | 0.9883 | 0.9932 | 0.9962 | 0.9983 | 0.9991 | 0.9996 | 0.9998 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.8735 | 0.9352 | 0.9654 | 0.9800 | 0.9913 | 0.9957 | 0.9978 | 0.9991 |
| 15922.5 | 0.8653 | 0.9244 | 0.9556 | 0.9750 | 0.9884 | 0.9941 | 0.9970 | 0.9988 |
| 15917.5 | 0.8976 | 0.9428 | 0.9662 | 0.9808 | 0.9906 | 0.9952 | 0.9976 | 0.9990 |
| 15912.5 | 0.9396 | 0.9674 | 0.9811 | 0.9891 | 0.9949 | 0.9974 | 0.9987 | 0.9995 |
| 15907.5 | 0.9621 | 0.9814 | 0.9897 | 0.9938 | 0.9973 | 0.9987 | 0.9994 | 0.9997 |
| 15902.5 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9525 | 0.9755 | 0.9860 | 0.9916 | 0.9964 | 0.9982 | 0.9991 | 0.9996 |
| 15892.5 | 0.9638 | 0.9808 | 0.9893 | 0.9944 | 0.9977 | 0.9988 | 0.9994 | 0.9998 |
| 15887.5 | 0.9338 | 0.9633 | 0.9786 | 0.9882 | 0.9948 | 0.9973 | 0.9987 | 0.9995 |
| 15882.5 | 0.9673 | 0.9820 | 0.9894 | 0.9940 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15877.5 | 0.9637 | 0.9798 | 0.9881 | 0.9935 | 0.9972 | 0.9986 | 0.9993 | 0.9997 |
| 15872.5 | 0.9319 | 0.9640 | 0.9788 | 0.9881 | 0.9941 | 0.9970 | 0.9985 | 0.9994 |
| 15867.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9444 | 0.9699 | 0.9828 | 0.9905 | 0.9955 | 0.9977 | 0.9989 | 0.9995 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15857.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9567 | 0.9778 | 0.9875 | 0.9929 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15847.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9684 | 0.9845 | 0.9911 | 0.9949 | 0.9979 | 0.9990 | 0.9995 | 0.9998 |
| 15837.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9809 | 0.9909 | 0.9945 | 0.9972 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 15827.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9939 | 0.9974 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15817.5 | 0.9941 | 0.9975 | 0.9987 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |
| 15812.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9934 | 0.9971 | 0.9986 | 0.9993 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15802.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9987 | 0.9995 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9844 | 0.9917 | 0.9952 | 0.9973 | 0.9988 | 0.9994 | 0.9997 | 0.9999 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9220 | 0.9604 | 0.9776 | 0.9877 | 0.9947 | 0.9973 | 0.9987 | 0.9995 |
| 15922.5 | 0.9111 | 0.9546 | 0.9738 | 0.9853 | 0.9932 | 0.9966 | 0.9983 | 0.9993 |
| 15917.5 | 0.9385 | 0.9658 | 0.9800 | 0.9887 | 0.9945 | 0.9972 | 0.9986 | 0.9994 |
| 15912.5 | 0.9637 | 0.9804 | 0.9885 | 0.9932 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 15907.5 | 0.9778 | 0.9896 | 0.9944 | 0.9968 | 0.9987 | 0.9994 | 0.9997 | 0.9999 |
| 15902.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9712 | 0.9857 | 0.9920 | 0.9953 | 0.9980 | 0.9990 | 0.9995 | 0.9998 |
| 15892.5 | 0.9789 | 0.9893 | 0.9943 | 0.9971 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 15887.5 | 0.9598 | 0.9761 | 0.9873 | 0.9929 | 0.9968 | 0.9984 | 0.9992 | 0.9997 |
| 15882.5 | 0.9804 | 0.9891 | 0.9935 | 0.9962 | 0.9981 | 0.9990 | 0.9995 | 0.9998 |
| 15877.5 | 0.9785 | 0.9881 | 0.9931 | 0.9962 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15872.5 | 0.9609 | 0.9788 | 0.9881 | 0.9936 | 0.9971 | 0.9985 | 0.9993 | 0.9997 |
| 15867.5 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9466 | 0.9820 | 0.9908 | 0.9952 | 0.9979 | 0.9989 | 0.9995 | 0.9998 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15857.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9739 | 0.9869 | 0.9927 | 0.9960 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 15847.5 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9807 | 0.9904 | 0.9944 | 0.9968 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 15837.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9889 | 0.9947 | 0.9968 | 0.9984 | 0.9994 | 0.9997 | 0.9998 | 0.9999 |
| 15827.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9966 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15817.5 | 0.9965 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15812.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9961 | 0.9985 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15802.5 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9994 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9906 | 0.9951 | 0.9972 | 0.9984 | 0.9993 | 0.9997 | 0.9998 | 0.9999 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9557 | 0.9779 | 0.9876 | 0.9932 | 0.9971 | 0.9986 | 0.9993 | 0.9997 |
| 15922.5 | 0.9539 | 0.9767 | 0.9864 | 0.9926 | 0.9967 | 0.9983 | 0.9992 | 0.9997 |
| 15917.5 | 0.9657 | 0.9817 | 0.9895 | 0.9942 | 0.9973 | 0.9986 | 0.9993 | 0.9997 |
| 15912.5 | 0.9706 | 0.9851 | 0.9916 | 0.9962 | 0.9982 | 0.9991 | 0.9996 | 0.9998 |
| 15907.5 | 0.9801 | 0.9953 | 0.9976 | 0.9988 | 0.9995 | 0.9998 | 0.9999 | 0.9999 |
| 15902.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9848 | 0.9929 | 0.9962 | 0.9979 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15892.5 | 0.9895 | 0.9951 | 0.9975 | 0.9988 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15887.5 | 0.9776 | 0.9880 | 0.9951 | 0.9962 | 0.9983 | 0.9992 | 0.9996 | 0.9998 |
| 15882.5 | 0.9888 | 0.9938 | 0.9963 | 0.9978 | 0.9990 | 0.9995 | 0.9997 | 0.9999 |
| 15877.5 | 0.9881 | 0.9936 | 0.9964 | 0.9980 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15872.5 | 0.9790 | 0.9898 | 0.9947 | 0.9973 | 0.9989 | 0.9994 | 0.9997 | 0.9999 |
| 15867.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9829 | 0.9924 | 0.9962 | 0.9981 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15857.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9859 | 0.9932 | 0.9963 | 0.9980 | 0.9992 | 0.9996 | 0.9998 | 0.9999 |
| 15847.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9897 | 0.9945 | 0.9968 | 0.9982 | 0.9993 | 0.9996 | 0.9998 | 0.9999 |
| 15837.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9941 | 0.9972 | 0.9984 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9985 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15817.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9981 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 |
| 15802.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9997 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9998 | 0.9999 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9949 | 0.9974 | 0.9986 | 0.9992 | 0.9997 | 0.9998 | 0.9999 | 1.0000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15942.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15937.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15932.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15927.5 | 0.9734 | 0.9874 | 0.9932 | 0.9964 | 0.9985 | 0.9992 | 0.9996 | 0.9998 |
| 15922.5 | 0.9741 | 0.9872 | 0.9931 | 0.9963 | 0.9984 | 0.9992 | 0.9996 | 0.9998 |
| 15917.5 | 0.9803 | 0.9901 | 0.9945 | 0.9970 | 0.9987 | 0.9993 | 0.9997 | 0.9999 |
| 15912.5 | 0.9877 | 0.9936 | 0.9963 | 0.9979 | 0.9991 | 0.9995 | 0.9998 | 0.9999 |
| 15907.5 | 0.9951 | 0.9980 | 0.9990 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15902.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15897.5 | 0.9924 | 0.9967 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15892.5 | 0.9949 | 0.9974 | 0.9989 | 0.9995 | 0.9998 | 0.9999 | 0.9999 | 1.0000 |
| 15887.5 | 0.9865 | 0.9932 | 0.9962 | 0.9980 | 0.9991 | 0.9996 | 0.9998 | 0.9999 |
| 15882.5 | 0.9929 | 0.9962 | 0.9978 | 0.9988 | 0.9994 | 0.9997 | 0.9999 | 0.9999 |
| 15877.5 | 0.9930 | 0.9964 | 0.9980 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 0.9999 |
| 15872.5 | 0.9898 | 0.9936 | 0.9978 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15867.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15862.5 | 0.9924 | 0.9970 | 0.9986 | 0.9993 | 0.9997 | 0.9999 | 0.9999 | 1.0000 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15857.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15852.5 | 0.9924 | 0.9965 | 0.9982 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15847.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15842.5 | 0.9934 | 0.9969 | 0.9983 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 |
| 15837.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15832.5 | 0.9968 | 0.9986 | 0.9992 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |
| 15827.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15822.5 | 0.9991 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15817.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15812.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15807.5 | 0.9990 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15802.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15797.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15792.5 | 0.9998 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15787.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15782.5 | 0.9999 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15777.5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| BAND | 0.9972 | 0.9986 | 0.9993 | 0.9996 | 0.9998 | 0.9999 | 1.0000 | 1.0000 |