S3 Table. Estimates of cloud forest minimum elevations.

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Source** | **Location, Aspect, Region** | | **CFmin (m)** | **Longitude (dd)** | **Latitude (dd)** | **CFmin Cell (m)** | **ELEVmax (km)** | **RH150 (%)** | **RH (%)** | |
| [1] | Sierra Madre Oriental, Tamaulipas, w, OT | | 1,000 | -99.1832 | 23.1162 | 1,000 | 3.499 | 73.0 | 69.7 | |
| [2] | Sierra Madre Oriental, Circ.Xalapa, w, OT | | 1,200 | -96.9088 | 19.4833 | 1,249 | 5.576 | 76.0 | 81.9 | |
| [3] | Sierra Mazateca, w, IT | | 2,200 | -96.9571 | 18.1403 | 2,211 | 4.575 | 79.3 | 76.6 | |
| [4] | Sierra Madre del Sur, St Tomás, w, IT | | 2,200 | -95.9721 | 16.2543 | 2,216 | 3.72 | 71.6 | 81.0 | |
| [5] | Sierra Madre del Sur, Sierra Juarez, w, IT | | 1,100 | -96.5194 | 17.7206 | 1,107 | 4.575 | 79.3 | 83.1 | |
| [6] | Sierra de Manantlán, l, IT | | 1,950 | -103.979 | 19.5002 | 1,968 | 4.184 | 71.5 | 73.8 | |
| [7, 8] | Sierra Madre de Chiapas, w, IT | | 1,667 | -92.7603 | 15.4958 | 1,682 | 4.198 | 77.4 | 77.9 | |
| [9] | Sierra de las Minas, Cerro Raxon, w, IT | | 1,300 | -89.7375 | 15.1958 | 1,287 | 3.299 | 73.5 | 87.7 | |
| [9, 10] | Sierra de las Minas, Cerro Raxon, l, IT | | 1,825 | -89.8476 | 15.1958 | 1,808 | 3.299 | 73.5 | 90.2 | |
| [11] | Montaña de Miranda, w, IT | | 2,000 | -89.8981 | 15.1170 | 1,991 | 3.299 | 73.5 | 89.5 | |
| [11] | Montaña de Miranda, l, IT | | 2,300 | -89.9404 | 15.1244 | 2,302 | 3.299 | 73.5 | 90.7 | |
| [12, 13] | La Tigra National Park, w, IT | | 1,425 | -87.0897 | 14.2267 | 1,456 | 2.31 | 75.9 | 80.3 | |
| [14, 15] | Cordillera de Tilarán, l, IT | | 1,480 | -84.8047 | 10.3102 | 1,476 | 3.458 | 80.6 | 89.5 | |
| [16] | Cordillera Central, w, IT | | 1,450 | -84.0900 | 10.2390 | 1,449 | 3.4 | 81.3 | 90.7 | |
| [17, 18] | Cordillera de Talamanca, Costa Rica, l, IT | | 1,650 | -83.8368 | 9.5329 | 1,656 | 3.458 | 80.6 | 96.2 | |
| [19] | Serrania de Sapo, Cerro Sapo, wl, PC | | 700 | -78.3583 | 7.9811 | 741 | 1.102 | 82.4 | 85.5 | |
| [19] | Cordillera de Juardó ridge, wl, PC | | 730 | -78.0484 | 7.6822 | 737 | 1.504 | 82.4 | 87.4 | |
| [19] | Serranía de Pirre, w, IT | | 1,260 | -77.7213 | 7.7643 | 1,292 | 1.707 | 82.0 | 87.8 | |
| [19] | Serrania de Pirre, Cerro Cituro, w, IT | | 900 | -77.6919 | 7.9397 | 914 | 1.707 | 82.0 | 86.4 | |
| [19] | Cerro Tacarcuna, w, IT | | 1,418 | -77.2833 | 8.1714 | 1,416 | 1.817 | 82.0 | 86.3 | |
| [19] | Cerro Campana, l, PC | | 870 | -79.9247 | 8.6808 | 879 | 1.152 | 80.9 | 86.5 | |
| [19] | Cerro Hoya, w, PC | | 910 | -80.6542 | 7.3437 | 952 | 1.533 | 80.0 | 85.5 | |
| [19] | Cordillera de Talamanca, Panama, l, IT | | 2,100 | -82.7324 | 8.9146 | 2,096 | 3.44 | 80.6 | 90.0 | |
| [19] | Cordillera de Talamanca, Panama, w, IT | | 1,800 | -82.6814 | 8.9596 | 1,800 | 3.468 | 84.2 | 88.3 | |
| [20-22] | Sierra Maestra - Pico Turquino, w, CC | | 900 | -76.8105 | 20.0067 | 903 | 1.946 | 77.3 | 82.4 | |
| [23] | Blue Mountains, w, CC | | 912 | -76.4977 | 18.0398 | 908 | 2.201 | 80.0 | 85.5 | |
| [23] | John Crow Mountains, l, CC | | 762 | -76.3477 | 18.0040 | 770 | 1.301 | 80.6 | 85.3 | |
| [24] | Cordillera Central, Pico Duarte, w, IT | | 1,700 | -70.9020 | 19.0334 | 1,697 | 3.098 | 73.3 | 79.5 | |
| [25] | Luquillo Mountains, w, CC | | 600 | -65.7585 | 18.2561 | 596 | 1.016 | 82.0 | 87.9 | |
| [26, 27] | Cordillera Central, Cerro La Santa, l, CC | | 785 | -66.0586 | 18.1065 | 783 | 0.919 | 80.6 | 85.0 | |
| [26] | Cordillera Central, Cerro de Punta, wl, CC | | 875 | -66.5420 | 18.2227 | 871 | 1.237 | 79.1 | 87.2 | |
| [28] | Mt. Scenery, w, DC | | 500 | -63.2331 | 17.6374 | 534 | 0.826 | 69.3 | 78.7 | |
| [29] | Nevis Peak, wl, CC | | 700 | -62.5814 | 17.1455 | 715 | 0.75 | 78.1 | 81.4 | |
| [29] | Mount Liamuiga, l, CC | | 800 | -62.8127 | 17.3722 | 808 | 0.995 | 78.4 | 83.5 | |
| [29] | Mount Liamuiga, w, CC | | 700 | -62.7952 | 17.3639 | 707 | 1.031 | 78.3 | 82.1 | |
| [30, 31] | Morne Tres Pitons, w, CC | | 785 | -61.3293 | 15.3810 | 787 | 1.344 | 82.5 | 92.0 | |
| [29] | Mount Saint Catherine, w, CC | | 590 | -61.6562 | 12.1622 | 583 | 0.693 | 80.8 | 83.3 | |
| [29] | Mount Saint Catherine, l, CC | | 650 | -61.6895 | 12.1580 | 658 | 0.711 | 80.7 | 83.7 | |
| [32] | El Cerro del Aripo, l, CC | | 725 | -61.2496 | 10.7228 | 725 | 0.933 | 80.8 | 86.8 | |
| [33, 34] | Guiana Highlands, Mt Roraima, wl, IT | | 1,500 | -60.7646 | 5.2078 | 1,543 | 2.525 | 81.0 | | 85.0 | |
| **S3 Table cont’d** | |  |  |  |  |  |  |  | |  | |
| **Source** | **Location, Aspect, Region** | | **CFmin (m)** | **Longitude (dd)** | **Latitude (dd)** | **CFmin Cell (m)** | **ELEVmax (km)** | **RH150 (%)** | | **RH (%)** | |
| [35] | Coastal Ecuador, Cerro Montecristi, w, DC | | 520 | -80.6709 | -1.0539 | 555 | 0.606 | 76.1 | | 74.9 | |
| [36] | Serra do Caparaó, l, IT | | 1,700 | -41.8309 | -20.4247 | 1,733 | 2.676 | 76.0 | | 84.0 | |
| [37] | Serra do Mar mountains, w, IT | | 1,150 | -48.7992 | -25.2453 | 1,162 | 2.029 | 80.3 | | 84.2 | |
| [38] | Serra Geral, Serra do Mar border, l, IT | | 1,500 | -49.4930 | -28.1068 | 1,491 | 1.761 | 76.9 | | 85.2 | |
| [33, 34] | Cordillera Araya-Paria, w, IT | | 1,000 | -62.6271 | 10.7124 | 1,001 | 1.223 | 76.6 | | 84.1 | |
| [33, 34] | Cordillera de la Costa oceanfront, w, DC | | 800 | -66.7981 | 10.5897 | 822 | 2.733 | 77.3 | | 76.9 | |
| [33, 34] | Cordillera de la Costa, w, IT | | 1,200 | -67.7186 | 10.3398 | 1,215 | 2.733 | 77.6 | | 77.2 | |
| [33, 34] | Serrania del Interior Central, w, IT | | 1,200 | -66.3626 | 10.0311 | 1,232 | 1.505 | 77.6 | | 79.5 | |
| [33, 34] | Serrania del Interior Oriental, w, IT | | 1,800 | -64.0953 | 10.0959 | 1,847 | 2.582 | 76.6 | | 87.1 | |
| [33, 34] | Margarita Peak, w, DC | | 600 | -63.8938 | 11.0124 | 614 | 0.895 | 75.5 | | 79.1 | |
| [33, 34] | Sierra de San Luis, Falcón y Laura, wl, IT | | 1,050 | -69.6958 | 11.2068 | 1,075 | 1.489 | 76.8 | | 77.7 | |
| [33, 34] | Paraguaná Peninsula, w, DC | | 550 | -69.9476 | 11.8207 | 579 | 0.75 | 75.2 | | 76.0 | |
| [33, 34] | Cordillera de Merida, wl, IT | | 1,750 | -70.6667 | 8.6666 | 1,733 | 4.856 | 77.1 | | 79.0 | |
| [33, 34] | Sierra de Perija, w, IT | | 1,400 | -72.7771 | 10.5372 | 1,456 | 3.617 | 76.9 | | 84.0 | |
| [39] | Sierra Nevada de Santa Marta, l, IT | | 1,900 | -74.0020 | 10.8770 | 1,885 | 5.683 | 76.9 | | 90.0 | |
| [40] | Serranía de Macuira, w, DC | | 525 | -71.3801 | 12.1723 | 534 | 0.729 | 74.9 | | 75.0 | |
| EC | Andes Cordillera Oriental, Ecuador, w, IT | | 1,500 | -77.8101 | -0.6792 | 1,505 | 5.834 | 82.3 | | 91.9 | |
| [41, 42] | Andes Cordillera El Consuelo, w, IT | | 1,850 | -79.0603 | -3.9726 | 1,901 | 3.774 | 82.3 | | 82.4 | |
| EC | Andes Cordillera del Condor, l, IT | | 1,100 | -78.3709 | -3.7583 | 1,100 | 2.681 | 82.3 | | 84.9 | |
| [43] | Andes Huancabamba Depression, w, IT | | 1,700 | -78.4366 | -5.5461 | 1,734 | 3.947 | 82.3 | | 78.3 | |
| [44] | Andes Cordillera Willkabamba, w, IT | | 1,650 | -71.5520 | -13.0585 | 1,688 | 6.386 | 77.7 | | 80.6 | |
| [46] | Andes Cordillera Willkabamba N. HP, w, IT | | 1,380 | -73.7145 | -12.5835 | 1,373 | 5.624 | 82.3 | | 72.0 | |
| [45, 46] | Andes Río Abiseo National Park, w, IT | | 1,500 | -76.9355 | -7.5603 | 1,543 | 4.427 | 82.3 | | 75.1 | |
| [47-50] | Andes Cerro Jaccha Hornuni, w, IT | | 2,000 | -67.9231 | -16.1290 | 2,011 | 6.386 | 77.7 | | 75.5 | |
| [51] | Andes Anconquija, w, OT | | 1,500 | -65.6246 | -27.0191 | 1,521 | 5.519 | 61.5 | | 73.6 | |
| Img | Andes Cordillera Occidental 1, w, IT | | 625 | -76.5496 | 6.3069 | 635 | 1.545 | 89.8 | | 91.1 | |
| Img | Andes Cordillera Occidental 2, l, IT | | 975 | -76.5139 | 6.3405 | 970 | 1.545 | 89.8 | | 91.3 | |
| Img | Andes Cordillera Occidental 3, w, IT | | 1,700 | -76.2730 | 5.9496 | 1,710 | 4.032 | 89.8 | | 91.2 | |
| Img | Andes Cordillera Occidental 4, w, IT | | 1,150 | -77.6562 | 2.0503 | 1,149 | 1.517 | 91.2 | | 88.0 | |
| Img | Andes Cordillera Occidental 5, w, IT | | 1,250 | -76.3419 | 5.1209 | 1,246 | 4.056 | 92.1 | | 89.8 | |
| [52] | Santa Cruz Island, Galapagos, w, DC | | 450 | -90.2919 | -0.6530 | 446 | 0.859 | 74.5 | | 77.7 | |
| [53] | Andes Carrasco National Park, w, IT | | 1,800 | -63.8638 | -18.8283 | 1,806 | 6.386 | 77.7 | | 75.5 | |
| [54] | Andes Los Toldos Valley, w, OT | | 1,600 | -64.6955 | -22.3720 | 1,549 | 6.345 | 67.8 | | 62.5 | |
| Img | Andes Cordillera Occidental 6, w, IT | | 825 | -76.5979 | 6.6935 | 824 | 1.493 | 89.8 | | 88.5 | |
| Img | Andes Cordillera Occidental 7, w, IT | | 900 | -76.5686 | 4.7205 | 889 | 4.056 | 92.1 | | 87.6 | |
| Img | Andes Cordillera Occidental 8, w, IT | | 1,225 | -76.7274 | 3.8905 | 1,224 | 3.911 | 91.2 | | 79.0 | |
| Img | Andes Cordillera Oriental 1, w, IT | | 1,600 | -71.9322 | 6.7221 | 1,564 | 5.318 | 79.0 | | 89.7 | |
| Img | Andes Cordillera Oriental 2, w, IT | | 1,500 | -71.9055 | 6.6268 | 1,504 | 5.122 | 79.9 | | 89.2 | |
| Img | Andes Cordillera Occidental 9, w, IT | | 1,300 | -75.9930 | 7.3287 | 1,303 | 3.682 | 78.0 | | 84.7 | |

Img = CFmin from image interpretation (see main text). EC = Expert consultation. Column definitions in Table 3.

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S3 Table of Supporting material for:

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