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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