Table S1: Raw data from population survey plots.

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Plot data |   |   |   |   |   |   |   |   |   |   |   |   |  |
| **Site**  | **Coordinates** | **Time** | **Number of Individuals** | **Humidity @ 1m (%)** | **Temp @ 1m (°C)** | **Leaf Litter Humidity (%)** | **Leaf Litter Temp. (°C)** | **Soil Humidity (%)** | **Soil Temp. (°C)** | **Area (m2)** | **Sun Exposure** | **Elevation (m)** |
| Domes E1 | 18.21.845, -67.15.997 | 9:18 | 3 | 83 | 26.67 | 87.9 | 26.67 | 76 | 25.00 | 1 | Low | 20 |
| Domes E2 | 18.22.019, -67.15.997 | 10:53 | 2 | 78.7 | 30.44 | 76.7 | 30.61 | 78 | 27.78 | 1 | Low | 46 |
| Domes E3 | 18.22.011, -67.15.999 | 11:12 | 1 | 70.6 | 30.78 | 74.7 | 30.94 | 72 | 27.22 | 1 | Low | 47 |
| Domes N4 | 18.21.989, -67.16.057 | 15:03 | 2 | 76.7 | 31.61 | 76.1 | 32.78 | 65 | 28.89 | 1 | Normal | 26 |
| Domes N5 | 18.21.999, -67.16.066 | 9:00 | 1 | 75.7 | 27.39 | 76.8 | 27.67 | 73 | 25.00 | 1 | Normal | 6 |
| Domes N6 | 18.21.994, -67.16.067 | 9:20 | 1 | 84.5 | 28.72 | 88.7 | 28.67 | 73 | 26.11 | 1 | Low | 11 |
| Domes N7 | 18.22.002, -67.16.078 | 9:35 | 1 | 67.4 | 30.61 | 77.1 | 29.67 | 71 | 26.11 | 1 | Normal | 6 |
| Domes N8 | 18.22.005, -67.16.061 | 9:49 | 2 | 75.1 | 27.94 | 78.6 | 28.61 | 71 | 25.00 | 1 | Low | 5 |
| Punta Gorda 1 | 18.22.126, -67.15.781 | 12:30 | 2 | 67.2 | 31.94 | 74.8 | 32.56 | 70 | 27.22 | 1 | Low | 7 |
| Punta Gorda 2 | 18.22.171, -67.15.685 | 8:13 | 4 | 85.5 | 27.00 | 88.2 | 27.33 | 78 | 26.11 | 11.76 | Low | 22 |
| Punta Gorda 3 | 18.22.165, -67.15.699 | 9:04 | 6 | 90.4 | 28.56 | 88.2 | 29.00 | 84 | 26.11 | 5.8 | Low | 14 |
| Punta Gorda 4 | 18.22.166, -67.15.703 | 10:00 | 0 | 77.8 | 32.17 | 97.3 | 34.06 | 87 | 27.78 | 11.52 | Normal+ | 13 |
| Punta Gorda 5 | 18.22.162, -67.15.710 | 10:15 | 1 | 71.8 | 30.56 | 85.3 | 30.78 | 76 | 28.89 | 4.3 | Low | 15 |
| Punta Gorda 6 | 18.22.162, -67.15.724 | 10:40 | 2 | 69.1 | 32.06 | 80.7 | 31.72 | 76 | 27.22 | 3.12 | Low | 14 |
| Punta Gorda 7 | 18.22.151, -67.15.737 | 11:01 | 0 | 71.8 | 30.89 | 78.4 | 30.78 | 65 | 27.22 | 4.86 | Low | 12 |
| Punta Gorda 8 | 18.22.118, -67.15.812 | 11:36 | 5 | 72.2 | 30.89 | 84.7 | 30.72 | 64 | 27.22 | 14.64 | Low | 12 |
| Punta Gorda 9 | 18.22.126, -67.15.795 | 12:05 | 1 | 75.5 | 29.89 | 78.3 | 30.11 | 71 | 27.78 | 6.9 | Low | 13 |
| Punta Gorda 10 | 18.22.146, -67.15.753 | 12:22 | 0 | 74.2 | 31.67 | 78.7 | 32.28 | 75 | 28.89 | 1 | Low+ | 13 |
| Domes N9 | 18.21.983, -67.16.061 | 14:20 | 4 | 84.6 | 29.56 | 83.8 | 29.50 | 73 | 27.78 | 17.68 | Normal | 30 |
| Domes N10 | 18.21.981, -67.16.058 | 14:51 | 5 | 81.2 | 30.00 | 90.5 | 30.17 | 76 | 27.22 | 11.61 | Low | 26 |
| Domes E11 | 18.21.846, -67.15.997 | 7:25 | 7 | 89.5 | 24.17 | 89.5 | 24.39 | 79 | 23.89 | 13.23 | Low | 38 |
| Domes E12 | 18.21.871, -67.15.993 | 7:54 | 2 | 90.8 | 26.33 | 92.6 | 26.39 | 87 | 23.89 | 1.83 | Low | 31 |
| Domes E13 | 18.21.903, -67.15.982 | 8:30 | 4 | 88.3 | 26.17 | 89.5 | 26.61 | 83 | 25.00 | 7.2 | Low | 40 |
| Domes E14 | 18.21.940, -67.15.986 | 9:04 | 0 | 82.8 | 28.22 | 91.5 | 28.44 | 90 | 25.00 | 0.72 | Low | 44 |
| Domes E15 | 18.21.916, -67.15.976 | 9:21 | 0 | 89.3 | 28.06 | 91.9 | 28.22 | 90 | 27.22 | 6.12 | Low | 40 |
| Domes E16 | 18.21.904, -67.15.992 | 9:42 | 0 | 81.7 | 28.00 | 89.6 | 28.39 | 88 | 26.11 | 5.5 | Low | 32 |
| Domes E17 | 18.21.914, -67.15.993 | 10:00 | 1 | 84.7 | 28.50 | 89.6 | 28.94 | 86 | 27.22 | 2.4 | Low+ | 33 |
| Domes E18 | 18.21.908, -67.16.003 | 10:37 | 2 | 82.1 | 29.22 | 86.8 | 30.28 | 84 | 26.11 | 6.7 | Low+ | 28 |
| Domes E19 | 18.21.953, -67.16.062 | 11:17 | 4 | 81.6 | 29.83 | 88.4 | 30.22 | 85 | 27.22 | 18.09 | Normal | 16 |
| Domes E20 | 18.21.966, -67.16.074 | 11:45 | 3 | 84.5 | 30.72 | 86.5 | 30.61 | 82 | 27.78 | 5.16 | Low | 12 |
| Domes E21 | 18.21.979, -67.16.081 | 12:18 | 1 | 76.3 | 30.94 | 86.1 | 31.28 | 80 | 27.78 | 2.04 | Low+ | 14 |
| Domes N22 | 18.21.987, -67.16.054 | 14:29 | 3 | 75.5 | 30.28 | 86.4 | 30.94 | 73 | 28.89 | 5.67 | Low+ | 31 |
| Domes N23 | 18.21.987, -67.16.052 | 14:56 | 1 | 79.2 | 29.72 | 86.1 | 31.11 | 77 | 27.78 | 8.16 | Low+ | 31 |
| Domes N24 | 18.21.989, -67.16.073 | 15:14 | 3 | 80.3 | 29.56 | 84.4 | 30.78 | 73 | 28.89 | 4.05 | High | 25 |
| Domes N25 | 18.22.001, -67.16.060 | 15:35 | 3 | 76.9 | 31.00 | 84.2 | 32.00 | 80 | 27.22 | 2.7 | Low | 25 |
| Domes N26 | 18.22.007, -67.16.064 | 16:00 | 1 | 77.9 | 30.61 | 85.7 | 30.94 | 78 | 28.89 | 4.05 | Low | 18 |

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| **Site**  | **Leaf Litter Type** |
| Domes E1 | *Calophyllum antillanum,* twigs, stumps |
| Domes E2 | *Calophyllum antillanum, Coccoloba uvifera, Bucida buceras* |
| Domes E3 | *Calophyllum antillanum, Coccoloba uvifera, Bursera simaruba* |
| Domes N4 | *Calophyllum antillanum, Terminalia catappa, Cocos nucifera* |
| Domes N5 | *Calophyllum antillanum, Terminalia catappa, Cocos nucifera* |
| Domes N6 | *Terminalia catappa, Cocos nucifera* |
| Domes N7 | *Calophyllum antillanum, Terminalia catappa,* twigs*, Dracaena trifasciata, Cocos nucifera* |
| Domes N8 | *Calophyllum antillanum, Terminalia catappa,* stumps |
| Punta Gorda 1 | *Terminalia catappa, Calophyllum antillanum* |
| Punta Gorda 2 | *Terminalia catappa, Calophyllum antillanum, Thespesia populnea,* stumps*, Coccoloba uvifera* |
| Punta Gorda 3 | *Terminalia catappa, Calophyllum antillanum,* twigs*, Thespesia populnea* |
| Punta Gorda 4 | *Calophyllum antillanum, Terminalia catappa, Thespesia populnea,* twigs*,*rocks |
| Punta Gorda 5 | *Terminalia catappa,* stomps, twigs*, Calophyllum antillanum* |
| Punta Gorda 6 | *Calophyllum antillanum, Terminalia catappa, Thespesia populnea* |
| Punta Gorda 7 | *Calophyllum antillanum, Terminalia catappa* |
| Punta Gorda 8 | *Terminalia catappa, Thespesia populnea, Calophyllum antillanum,* stumps*, Coccoloba uvifera* |
| Punta Gorda 9 | *Terminalia catappa, Calophyllum antillanum,* stomps*,* twigs |
| Punta Gorda 10 | *Coccoloba uvifera* |
| Domes N9 | *Cocos nucifera, Calophyllum antillanum, Coccoloba uvifera, Terminalia catappa, Monnina aestuans* |
| Domes N10 | *Cocos nucifera, Terminalia catappa, Calophyllum antillanum, Monnina aestuans, Paspalum virgatum* |
| Domes E11 | *Calophyllum antillanum,* trunks*,* twigs*, Delonix regia* |
| Domes E12 | *Calophyllum antillanum, Monnina aestuans, Quercus robur, Bursera simaruba, Comocladia glabra* |
| Domes E13 | *Calophyllum antillanum,* twigs*,* stumps*, Paspalum virgatum, Quercus robur, Swietenia macrophylla, Terminalia catappa* |
| Domes E14 | *Calophyllum antillanum, Swietenia macrophylla* |
| Domes E15 | *Paspalum virgatum, Terminalia catappa, Delonix regia, Swietenia macrophylla, Calophyllum antillanum, Monnina aestuans* |
| Domes E16 | *Bursera simaruba, Roystonea regia, Calophyllum antillanum, Swietenia macrophylla* |
| Domes E17 | *Calophyllum antillanum,* stomps*, Bursera simaruba* |
| Domes E18 | *Terminalia catappa, Calophyllum antillanum, Acacia sp.* |
| Domes E19 | *Bursera simaruba, Cocos nucifera, Calophyllum antillanum, Terminalia catappa* |
| Domes E20 | *Calophyllum antillanum, Monnina aestuans, Swietenia macrophylla, Terminalia catappa,* stomps*, Bursera simaruba* |
| Domes E21 | *Calophyllum antillanum, Cocos nucifera, Terminalia catappa* |
| Domes N22 | *Calophyllum antillanum, Terminalia catappa, Cocos nucifera* |
| Domes N23 | *Calophyllum antillanum, Cocos nucifera, Terminalia catappa* |
| Domes N24 | *Calophyllum antillanum, Cocos nucifera, Terminalia catappa,*rocks |
| Domes N25 | *Calophyllum antillanum, Cocos nucifera, Terminalia catappa* |
| Domes N26 | *Calophyllum antillanum, Cocos nucifera, Terminalia catappa* |