Supplementary Material

## Supplementary Tables

**Table S1** 19 meteorological data from survey sites on the G109 national road

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| site | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  | 11  | 12  | 13  | 14  |
| Lat | 36.4  | 31.6  | 35.3  | 35.5  | 35.0  | 34.3  | 32.2  | 33.7  | 34.0  | 31.9  | 34.6  | 33.3  | 33.0  | 32.6  |
| lon | 94.9  | 91.8  | 93.3  | 93.8  | 93.0  | 92.6  | 91.7  | 92.1  | 92.3  | 91.7  | 92.9  | 91.9  | 92.0  | 91.8  |
| bio1 | 5.5  | -0.8  | -4.5  | -4.4  | -4.4  | -3.7  | -2.3  | -3.8  | -4.2  | -2.5  | -5.3  | -4.3  | -6.8  | -5.8  |
| bio2 | 14.5  | 14.9  | 13.9  | 14.6  | 14.7  | 15.7  | 13.6  | 14.5  | 15.2  | 13.7  | 14.6  | 13.4  | 12.5  | 12.6  |
| bio3 | 35.2  | 40.7  | 37.9  | 38.2  | 39.6  | 40.5  | 37.8  | 38.9  | 40.0  | 38.6  | 39.6  | 37.2  | 35.2  | 35.7  |
| bio4 | 996.6  | 815.3  | 853.8  | 880.3  | 853.5  | 875.7  | 856.6  | 864.5  | 866.9  | 821.0  | 839.6  | 848.6  | 858.1  | 847.2  |
| bio5 | 25.0  | 15.4  | 12.6  | 13.3  | 12.7  | 14.1  | 13.8  | 13.4  | 13.1  | 13.4  | 11.7  | 12.3  | 9.8  | 10.3  |
| bio6 | -16.2  | -21.1  | -24.1  | -25.0  | -24.4  | -24.5  | -22.1  | -24.0  | -24.8  | -22.2  | -25.2  | -23.7  | -25.8  | -25.0  |
| bio7 | 41.2  | 36.5  | 36.7  | 38.3  | 37.1  | 38.6  | 35.9  | 37.4  | 37.9  | 35.6  | 36.9  | 36.0  | 35.6  | 35.3  |
| bio8 | 17.3  | 8.8  | 5.7  | 6.1  | 5.7  | 6.7  | 7.8  | 6.5  | 6.1  | 7.2  | 4.7  | 5.8  | 3.6  | 4.4  |
| bio9 | -4.2  | -9.1  | -14.1  | -14.4  | -14.1  | -13.7  | -11.1  | -13.5  | -14.0  | -10.9  | -14.7  | -13.8  | -16.2  | -15.2  |
| bio10 | 17.3  | 8.8  | 5.7  | 6.1  | 5.7  | 6.7  | 7.8  | 6.5  | 6.1  | 7.2  | 4.7  | 5.8  | 3.6  | 4.4  |
| bio11 | -7.2  | -11.1  | -15.2  | -15.5  | -15.1  | -14.6  | -13.1  | -14.5  | -15.0  | -12.8  | -15.7  | -14.8  | -17.3  | -16.3  |
| bio12 | 44.0  | 420.0  | 243.0  | 233.0  | 265.0  | 284.0  | 421.0  | 323.0  | 304.0  | 430.0  | 303.0  | 369.0  | 433.0  | 447.0  |
| bio13 | 12.0  | 106.0  | 63.0  | 59.0  | 70.0  | 80.0  | 111.0  | 91.0  | 86.0  | 111.0  | 82.0  | 101.0  | 119.0  | 120.0  |
| bio14 | 1.0  | 3.0  | 1.0  | 1.0  | 1.0  | 1.0  | 2.0  | 1.0  | 1.0  | 3.0  | 1.0  | 2.0  | 2.0  | 3.0  |
| bio15 | 83.4  | 112.4  | 111.1  | 109.3  | 113.5  | 117.3  | 115.2  | 117.9  | 117.9  | 113.7  | 114.6  | 115.4  | 116.2  | 114.5  |
| bio16 | 29.0  | 280.0  | 163.0  | 155.0  | 180.0  | 199.0  | 287.0  | 226.0  | 213.0  | 290.0  | 207.0  | 254.0  | 296.0  | 303.0  |
| bio17 | 3.0  | 9.0  | 3.0  | 3.0  | 3.0  | 4.0  | 8.0  | 5.0  | 5.0  | 9.0  | 4.0  | 7.0  | 9.0  | 10.0  |
| bio18 | 29.0  | 280.0  | 163.0  | 155.0  | 180.0  | 199.0  | 287.0  | 226.0  | 213.0  | 290.0  | 207.0  | 254.0  | 296.0  | 303.0  |
| bio19 | 3.0  | 9.0  | 4.0  | 4.0  | 4.0  | 5.0  | 9.0  | 6.0  | 6.0  | 9.0  | 5.0  | 8.0  | 10.0  | 11.0  |

Note: 1-14 refers to 14 points along the Qinghai-Tibet Highway