**Supplemental Table 1. Average Number of Inhabitants per Type of Patio According to the Four Factors of Inhabitants, Mature State**

This table gives the average number of inhabitants per type of patio at their final, ‘mature’ state, obtained through the four factors discussed in the main text.

Supplemental Table 1. Average Number of Inhabitants per Type of Patio According to the Four Factors of Inhabitants, Mature State.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Residential unit type | Patio Type | Average Number of Inhabitants per Patio | | | |
| Number of Inhabitants per Residential Structure | | Amount of Roofed Space per Inhabitant (m²) | |
| 5.6 | 4 | 6.87 | 8.36 |
| A1 | P1A | — | — | — | — |
| A2 | P1B | 5.6 | 4.0 | 2.9 | 2.3 |
| A2 | P1C | 5.6 | 4.0 | 5.6 | 4.6 |
| B1 | P2A | 7.7 | 5.5 | 5.7 | 4.7 |
| B1 | P2B | 11.2 | 8.0 | 4.5 | 3.7 |
| B2 | P2A | 10.1 | 7.2 | 7.9 | 6.5 |
| B2 | P2B | 20.5 | 14.7 | 15.0 | 12.3 |
| C1 | P3A | 5.6 | 4.0 | 4.2 | 3.5 |
| C2  Main  Patio | P3A | 11.2 | 8.0 | 6.8 | 5.6 |
| P3B | 13.7 | 9.8 | 7.7 | 6.4 |
| P3C | 22.4 | 16.0 | 17.2 | 14.1 |
| C2 Secondary  Patio | P3A | 4.4 | 3.1 | 2.8 | 2.3 |
| P3B | 11.2 | 8.0 | 12.7 | 10.4 |
| C3 | P3A | 7.9 | 5.7 | 5.3 | 4.4 |
| C3 | P3B | 13.6 | 9.7 | 9.4 | 7.7 |
| C3 | P3C | 19.6 | 14.0 | 14.7 | 12.1 |
| D1 | P3A | 4.9 | 3.5 | 3.3 | 2.7 |
| D1 | P3B | 13.4 | 9.6 | 10.7 | 8.8 |
| D1 | P3C | 16.8 | 12.0 | 14.5 | 11.9 |
| D2 | P3A | 6.4 | 4.6 | 4.0 | 3.3 |
| D2 | P3B | 13.3 | 9.5 | 10.9 | 9.0 |
| D2 | P3C | 22.4 | 16.0 | 22.1 | 18.1 |

**Supplemental Table 2. Proportion of Structures Identified for Each Phase at Tikal, by Type of Excavation (after Culbert et al. 1990:107–108).**

Supplemental Table 2. Proportion of Structures Identified for Each Phase at Tikal, by Type of Excavation (after Culbert et al. 1990:107–108).

|  |  |  |
| --- | --- | --- |
|  | Proportion of Occupied Structures Identified | |
|  | Test Pits Only | Full Excavation |
| Late Classic | 94 | 100 |
| Early Classic | 63 | 69 |
| Preclassic | 31 | 40 |

**Supplemental Table 3. Rate of Occupation of Each Type of Patio During Each Phase**

Supplemental Table 3 gives the rate of occupation of each type of patio during the Late Preclassic Kutz’; the Early Classic Balam 1, 2, and 3; and the Late Classic Ma’ax 3 phases. It incorporates the 5% correction to account for the shortcomings of test pitting as a methodology, but no corrections for contemporaneity and invisibility. A problem with the sampling is that some categories had too few sampled patios. This tends to exaggerate the rates of occupation (5% only of the Late Classic occupation for D1-P3C, for example). The solution is to test more patios pertaining to those under-sampled categories. C1 results have been left blank because they were not tested.

No positively identified Early Classic layer exist in residential unit D1. Types that had no Early Classic occupation according to the model of growth described in Supplemental text 2, such as D1, appear to be occupied in this table because the aoristic treatment used to sort out inadequately dated events has distributed some of the events among phases, as allowed by stratigraphic logic. Because this table presents raw data, I decided, for the sake of transparency, not to proceed to corrections mandated by my model of growth, as the model is in part deduced from these results.

Supplemental Table 3. Rate of Occupation of Each Type of Patio During Each Phase.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Patio Type | Kutz’ | Balam 1 | Balam 2 | Balam 3 | Ma’ax 3 |
| A1-P1A | — | — | — | — | — |
| A2-P1B | 12.35 | 4.63 | 36.42 | 71.30 | 66.67 |
| A2-P1C | 0.00 | 25.00 | 16.67 | 25.00 | 40.00 |
| B1-P2A | 12.50 | 59.38 | 70.31 | 82.03 | 64.46 |
| B1-P2B | 0.00 | 0.00 | 100.00 | 100.00 | 61.54 |
| B2-P2A | 36.36 | 68.75 | 44.85 | 44.78 | 82.14 |
| B2-P2B | 23.08 | 24.73 | 57.14 | 39.01 | 38.90 |
| C2-P3A (main patio) | 0.00 | 0.00 | 0.00 | 0.00 | 71.43 |
| C2-P3B (main patio) | 52.31 | 84.62 | 74.00 | 59.00 | 80.00 |
| C2-P3C (main patio) | 0.00 | 0.00 | 100.00 | 100.00 | 100.00 |
| C2-P3A (secondary patio) | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 |
| C2-P3B (secondary patio) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| C3-P3A | 18.18 | 66.54 | 36.03 | 16.54 | 48.11 |
| C3-P3B | 30.97 | 38.45 | 56.16 | 32.16 | 70.50 |
| C3-P3C | 0.00 | 50.00 | 50.00 | 0.00 | 48.57 |
| D1-P3A | 0.00 | 44.12 | 29.41 | 44.12 | 100.00 |
| D1-P3B | 0.00 | 14.71 | 9.80 | 14.71 | 57.04 |
| D1-P3C | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| D2-P3A | 30.00 | 55.00 | 50.00 | 23.75 | 55.33 |
| D2-P3B | 12.39 | 38.19 | 45.51 | 43.57 | 73.54 |
| D2-P3C | 21.43 | 59.82 | 54.17 | 74.11 | 72.25 |