



Sistema de Informação de Qualidade do Ar

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

MP10 (Partículas Inaláveis)

Unidade de Medida: micrograma por metro cúbico (µg/m3)

Janeiro / 2018

| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 23 | 26 | 24 | 22 | 25 | 17 | 9 | 11 | 23 | 12 | 8 | 4 | 15 | 18 | 15 | 7 | 4 | 6 | 10 | 10 | 10 | 16 | 32 | 4 |
| 2 | 9 | 24 | 22 | 16 | 19 | 24 | 17 | 23 | 26 | 21 | 15 | 13 | 13 | 14 | 15 | 29 | 7 | 12 | 20 | 12 | 9 | 20 | 19 | 9 |
| 3 | 22 | 26 | 11 | 4 | 13 | 17 | 13 | 17 | 13 | 17 | 35 | 21 | 16 | 9 | 22 | 23 | 25 | 18 | 3 | 10 | 8 | 10 | 14 | 8 |
| 4 | 11 | 20 | 18 | 18 | 3 | 23 | 17 | 16 | 10 | 10 | 45 | 17 | 32 | 30 | 18 | 12 | 9 | 16 | 14 | 23 | 17 | 6 | 25 | 32 |
| 5 | 25 | 12 | 14 | 17 | 17 | 23 | 23 | 20 | 18 | 29 | 20 | 21 | 16 | 21 | 19 | 38 | 36 | 35 | 33 | 28 | 19 | 8 | 25 | 38 |
| 6 | 43 | 36 | 19 | 22 | 17 | 23 | 32 | 35 | 20 | 16 | 33 | 33 | 23 | 19 | 16 | 23 | 10 | 43 | 10 | 10 | 8 | 21 | 16 | 19 |
| 7 | 18 | 16 | 11 | 12 | 18 | 7 | 15 | 4 | 14 | 4 | 2 | 13 | 16 | 14 | 8 | 15 | 9 | 7 | 19 | 5 | 0 | 0 | 10 | 14 |
| 8 | 3 | 0 | 6 | 7 | 6 | 7 | 19 | 22 | 7 | 1 | 16 | 15 | 23 | 26 | 17 | 13 | 26 | 18 | 1 | 5 | 2 | 9 | 17 | 4 |
| 9 | 7 | 10 | 3 | 10 | 22 | 10 | 26 | 27 | 28 | 16 | 25 | 21 | 38 | 35 | 47 | 44 | 25 | 26 | 22 | 25 | 19 | 23 | 30 | 18 |
| 10 | 13 | 22 | 12 | 2 | 17 | 18 | 22 | 29 | 28 | 19 | 27 | 32 | 41 | 21 | 33 | 33 | 28 | 26 | 25 | 19 | 31 | 30 | 26 | 21 |
| 11 | 13 | 7 | 25 | 17 | 34 | 31 | 35 | 17 | 18 | 35 | 50 | 44 | 40 | 26 | 33 | 32 | 14 | 31 | 8 | 16 | 13 | 23 | 23 | 11 |
| 12 | 14 | 14 | 15 | 16 | 27 | 32 | 29 | 19 | 24 | 33 | 29 | 29 | 27 | 28 | 37 | 28 | 34 | 31 | 26 | 25 | 20 | 38 | 31 | 13 |
| 13 | 11 | 14 | 1 | 15 | 14 | 18 | 16 | 23 | 31 | 25 | 19 | 19 | 17 | 19 | 13 | 13 | 20 | 19 | 10 | 8 | 11 | 16 | 25 | 24 |
| 14 | 26 | 7 | 13 | 10 | 10 | 7 | 20 | 19 | 10 | 3 | 11 | 16 | 14 | - | - | - | - | - | - | - | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 30 | 35 | 27 | 11 | 12 | 19 | 16 | 17 | 33 | 20 |
| 16 | 13 | 7 | 6 | 7 | 19 | 13 | 21 | 26 | 24 | 30 | 42 | 44 | 43 | 34 | 34 | 18 | 14 | 9 | 33 | 20 | 15 | 23 | 11 | 21 |
| 17 | 22 | 12 | 14 | 28 | 13 | 25 | 35 | 50 | 46 | 46 | 54 | 40 | 16 | 31 | 26 | 36 | 26 | 22 | 20 | 10 | 19 | 20 | 21 | 36 |
| 18 | 42 | 38 | 40 | 46 | 48 | 54 | 57 | 64 | 63 | 71 | 65 | 57 | 35 | 26 | 32 | 46 | 36 | 31 | 27 | 34 | 14 | 39 | 39 | 16 |
| 19 | 24 | 18 | 18 | 27 | 26 | 42 | 26 | 35 | 34 | 31 | - | - | - | - | 30 | 18 | 18 | 29 | 16 | 24 | 26 | 28 | 4 | 0 |
| 20 | 6 | 18 | 16 | 21 | 18 | 27 | 19 | 35 | 23 | 21 | 38 | 28 | 17 | 21 | 19 | 20 | 31 | 25 | 17 | 12 | 26 | 27 | 11 | 13 |
| 21 | 13 | 15 | 16 | 9 | 10 | 20 | 24 | 23 | 18 | 30 | 14 | 14 | 18 | 24 | 18 | 22 | 13 | 25 | 11 | 14 | 16 | 12 | 36 | 49 |
| 22 | 32 | 14 | 25 | 19 | 25 | 41 | 59 | 33 | 32 | 31 | 32 | 29 | 39 | 37 | 36 | 36 | 38 | 24 | 14 | 29 | 34 | 6 | 19 | 47 |
| 23 | 40 | 27 | 14 | 19 | 13 | 38 | 40 | 52 | 45 | 18 | 47 | 36 | 50 | 50 | 41 | 39 | 22 | 33 | 21 | 22 | 16 | 28 | 39 | 20 |
| 24 | 25 | 18 | 22 | 18 | 27 | 14 | 32 | 31 | 23 | 30 | 27 | 43 | 65 | 39 | 27 | - | 0 | 9 | 17 | 37 | 47 | 29 | 56 | 48 |
| 25 | 30 | 38 | 23 | 15 | 13 | 17 | 19 | 11 | 7 | 12 | 11 | 27 | 19 | 31 | 23 | 24 | 13 | 9 | 21 | 14 | 0 | 2 | 8 | 14 |
| 26 | 7 | 29 | 22 | 13 | 34 | 14 | 10 | 14 | 11 | 4 | 15 | 11 | 3 | 14 | 17 | 7 | 19 | 23 | 12 | 18 | 11 | 3 | 14 | 12 |
| 27 | 9 | 10 | 23 | 14 | 19 | 0 | 3 | 25 | 23 | 17 | 4 | 21 | 22 | 4 | 24 | 30 | 23 | 20 | 26 | 5 | 13 | 17 | 8 | 1 |
| 28 | 14 | 11 | 5 | 12 | 8 | 12 | 7 | 13 | 5 | 14 | 2 | 29 | 17 | 12 | 11 | 18 | 43 | 37 | 8 | 29 | 15 | 16 | 36 | 7 |
| 29 | 3 | 12 | 3 | 34 | 60 | 45 | 25 | 34 | 39 | 33 | 50 | 43 | 50 | 30 | 26 | 43 | 31 | 28 | 17 | 16 | 15 | 16 | 22 | 5 |
| 30 | 8 | 15 | 8 | 8 | 17 | 14 | 14 | 21 | 11 | 15 | 3 | 3 | 21 | 12 | 10 | 8 | 9 | 7 | 10 | 9 | 10 | 14 | 4 | 5 |
| 31 | 11 | 24 | 16 | 19 | 9 | 19 | 14 | 13 | 17 | 29 | 22 | 13 | 2 | 5 | 22 | 19 | 6 | 14 | 2 | 7 | 12 | 10 | 0 | 2 |



Sistema de Informação de Qualidade do Ar

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

MP10 (Partículas Inaláveis)

Unidade de Medida: micrograma por metro cúbico ($\mu\text{g}/\text{m}^3$)

Fevereiro / 2018

| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 15 | 14 | 21 | 11 | 14 | 3 | 10 | 9 | 7 | 15 | 22 | 7 | 14 | 23 | 20 | 16 | 11 | 3 | 20 | 12 | 2 | 2 | 17 | 13 |
| 2 | 5 | 4 | 3 | 11 | 2 | 3 | 16 | 23 | 27 | 8 | 20 | 18 | 38 | 39 | 28 | 26 | 17 | 25 | 22 | 16 | 9 | 16 | 8 | 7 |
| 3 | 0 | 4 | 10 | 4 | 9 | 16 | 7 | 9 | 18 | 14 | 22 | 12 | 20 | 15 | 7 | 12 | 2 | 14 | 9 | 13 | 13 | 11 | 2 | 10 |
| 4 | 4 | 7 | 19 | 15 | 13 | 14 | 8 | 11 | 17 | 4 | 16 | 27 | 20 | 16 | 10 | 12 | 12 | 17 | 17 | 23 | 15 | 10 | 7 | 20 |
| 5 | 15 | 16 | 16 | 14 | 15 | 16 | 1 | 13 | 17 | 20 | 23 | 13 | 16 | 24 | 18 | 9 | 5 | 17 | 16 | 11 | 17 | 3 | 1 | 2 |
| 6 | 7 | 1 | 4 | 5 | 1 | 0 | 0 | 18 | 25 | 30 | 20 | 32 | 22 | 16 | 18 | 5 | 9 | 19 | 18 | 19 | 5 | 2 | 4 | 11 |
| 7 | 11 | 21 | 7 | 12 | 8 | 7 | 9 | 38 | 30 | 34 | 29 | 27 | 28 | 27 | 19 | 14 | 12 | 10 | 22 | 11 | 13 | 18 | 15 | 14 |
| 8 | 32 | 17 | 36 | 53 | 49 | 56 | 59 | 48 | 58 | 61 | 66 | 70 | 53 | 46 | 41 | 35 | 41 | 39 | 33 | 19 | 30 | 23 | 31 | 25 |
| 9 | 41 | 39 | 44 | 46 | 35 | 29 | 36 | 44 | 37 | 44 | 60 | 61 | 49 | 43 | 36 | 21 | 31 | 34 | 41 | 32 | 32 | 27 | 28 | 12 |
| 10 | 22 | 52 | 37 | 26 | 12 | 14 | 54 | 34 | 38 | 41 | 37 | 29 | 27 | 34 | 22 | 10 | 28 | 24 | 16 | 9 | 6 | 13 | 17 | 19 |
| 11 | 17 | 11 | 18 | 20 | 28 | 24 | 18 | 17 | 15 | 19 | 18 | 13 | 10 | 12 | 15 | 12 | 7 | 21 | 12 | 9 | 10 | 17 | 18 | 21 |
| 12 | 13 | 18 | 27 | 30 | 18 | 33 | 29 | 24 | 26 | 19 | 13 | 20 | 21 | 21 | 23 | 19 | 13 | 21 | 13 | 3 | 13 | 13 | 11 | 17 |
| 13 | 11 | 13 | 5 | 0 | 5 | 1 | 6 | 15 | 1 | 14 | 4 | 0 | 6 | 16 | 1 | 5 | 10 | 13 | 2 | 6 | 11 | 10 | 0 | 1 |
| 14 | 0 | 1 | 15 | 8 | 6 | 8 | 0 | 2 | 7 | 13 | 14 | 15 | 20 | 13 | 2 | 8 | 10 | 5 | 2 | 5 | 10 | 7 | 1 | 0 |
| 15 | 10 | 13 | 2 | 3 | 5 | 7 | 0 | 11 | 12 | 28 | 18 | 17 | 19 | 17 | 10 | 14 | 26 | 17 | 7 | 17 | 7 | 0 | 12 | 9 |
| 16 | 0 | 2 | 21 | 10 | 13 | 5 | 8 | 7 | 19 | 19 | 19 | 12 | 32 | 31 | 27 | 5 | 14 | 15 | 12 | 4 | 23 | 9 | 2 | 16 |
| 17 | 28 | 13 | 14 | 15 | 0 | 7 | 32 | 7 | 13 | 11 | 9 | 18 | 9 | 15 | 15 | 4 | 4 | 0 | 0 | 14 | 14 | 4 | 7 | 10 |
| 18 | 17 | 5 | 16 | 4 | 8 | 6 | 8 | 10 | 14 | 20 | 20 | 16 | 1 | 16 | 17 | 18 | 22 | 0 | 20 | 10 | 8 | 10 | 13 | 18 |
| 19 | 25 | 16 | 26 | 18 | 21 | 20 | 23 | 39 | 39 | 13 | 43 | 35 | 28 | 27 | 39 | 22 | 32 | 21 | 29 | 25 | 26 | 33 | 37 | 25 |
| 20 | 25 | 26 | 26 | 8 | 19 | 18 | 15 | 21 | 39 | 36 | 35 | 41 | 29 | 36 | 17 | 25 | 22 | 13 | 17 | 20 | 22 | 25 | 39 | 47 |
| 21 | 17 | 28 | 12 | 22 | 18 | 28 | 22 | 24 | 17 | 22 | 33 | 12 | 28 | 11 | 23 | 28 | 25 | - | - | - | - | - | - | - |
| 22 | - | - | - | - | - | - | - | 61 | 44 | 36 | 36 | 32 | 38 | 45 | 21 | 23 | 37 | 11 | 17 | 0 | 8 | 16 | 13 | 2 |
| 23 | 18 | 24 | 7 | 14 | 10 | 6 | 0 | 16 | 26 | 12 | 26 | 31 | 23 | 16 | 19 | 21 | 32 | 3 | 9 | 21 | 13 | 23 | 21 | 18 |
| 24 | 13 | 17 | 11 | 5 | 12 | 17 | 20 | 14 | 18 | 11 | 6 | 4 | 24 | 11 | 22 | 31 | 24 | 16 | 16 | 7 | 16 | 11 | 13 | 1 |
| 25 | 23 | 15 | 16 | 14 | 13 | 11 | 5 | 7 | 18 | 9 | 11 | 23 | 20 | 28 | 18 | 23 | 29 | 10 | 18 | 13 | 8 | 15 | 16 | 21 |
| 26 | 14 | 15 | 13 | 17 | 17 | 12 | 19 | 19 | 19 | 24 | 30 | 49 | 38 | 30 | 39 | 42 | 25 | 10 | 27 | 22 | 25 | 36 | 31 | 13 |
| 27 | 14 | 19 | 27 | 31 | 38 | 32 | 21 | 27 | 28 | 11 | 13 | 41 | 34 | 35 | 23 | 8 | 44 | 40 | 2 | 0 | 2 | 15 | 13 | 9 |
| 28 | 14 | 19 | 20 | 27 | 40 | 44 | 48 | 58 | 44 | 39 | 48 | 55 | 44 | 37 | 35 | 31 | 22 | 28 | 30 | 17 | 26 | 26 | 30 | 29 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

MP10 (Partículas Inaláveis)

Unidade de Medida: micrograma por metro cúbico (µg/m3)

Março / 2018

| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 35 | 48 | 32 | 39 | 57 | 52 | 49 | 45 | 30 | 35 | 30 | 34 | 22 | 19 | 26 | 40 | 33 | 39 | 25 | 29 | 16 | 33 | 27 | 35 |
| 2 | 22 | 31 | 22 | 15 | 39 | 52 | 46 | 41 | 32 | 37 | 41 | 39 | 29 | 28 | 22 | 34 | 21 | 15 | 12 | 11 | 12 | 26 | 55 | 48 |
| 3 | 19 | 3 | 12 | 11 | 31 | 24 | 24 | 31 | 25 | 23 | 14 | 15 | 13 | 11 | 21 | 17 | 12 | 14 | 12 | 0 | 2 | 8 | 9 | 11 |
| 4 | 30 | 25 | 7 | 19 | 20 | 17 | 21 | 24 | 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 5 | 1 | 13 | 4 | 23 | 34 | 38 | 50 | 58 | 31 | 22 | 37 | 32 | 10 | 19 | 34 | 20 | 25 | 14 | 6 | 17 | 33 | 18 | 21 | 27 |
| 6 | 49 | 47 | 31 | 51 | 61 | 24 | 53 | 66 | 42 | 44 | 41 | 30 | 23 | 29 | 21 | 15 | 13 | 7 | 13 | 34 | 28 | 25 | 29 | 7 |
| 7 | 14 | 21 | 27 | 13 | 16 | 24 | 37 | 50 | 46 | 45 | 41 | 48 | 37 | 36 | 21 | 7 | 18 | 20 | 18 | 9 | 9 | 19 | 11 | 0 |
| 8 | 0 | 1 | 0 | 4 | 11 | 0 | 10 | 17 | 9 | 8 | 22 | 23 | 10 | 16 | 10 | 11 | 20 | 5 | 5 | 0 | 8 | 2 | 17 | 20 |
| 9 | 18 | 5 | 2 | 11 | 14 | 24 | 15 | 13 | 12 | 13 | 15 | 30 | 24 | 27 | 21 | 29 | 35 | 37 | 22 | 17 | 13 | 9 | 25 | 31 |
| 10 | 18 | 14 | 28 | 20 | 10 | 7 | 27 | 28 | 8 | 14 | 16 | 25 | 30 | 19 | 24 | 20 | 23 | 6 | 23 | 15 | 24 | 19 | 17 | 18 |
| 11 | 21 | 21 | 30 | 9 | 19 | 19 | 16 | 20 | 23 | 23 | 27 | 23 | 31 | 23 | 25 | 15 | 23 | 25 | 17 | 20 | 17 | 19 | 14 | 37 |
| 12 | 51 | 54 | 46 | 42 | 43 | 55 | 49 | 46 | 40 | 21 | 35 | 35 | 28 | 35 | 27 | 32 | 30 | - | 0 | 0 | 0 | 5 | 8 | 7 |
| 13 | 15 | 16 | 20 | 15 | 9 | 19 | 12 | 16 | 9 | 15 | 11 | 22 | 16 | 19 | 30 | 17 | 20 | 21 | 22 | 29 | 20 | 24 | 27 | 20 |
| 14 | 29 | 36 | 24 | 43 | 38 | 46 | 38 | 41 | 35 | 35 | 45 | 38 | 37 | 28 | 30 | 28 | 43 | 31 | 40 | 42 | 27 | 7 | 5 | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | 24 | 35 | 38 | 38 | 27 | 14 | 26 | 24 | 32 | 36 | 41 | 60 | 44 |
| 16 | 41 | 34 | 33 | 35 | 30 | 37 | 39 | 34 | 35 | 18 | 11 | 26 | 31 | 20 | 14 | 20 | 22 | 14 | 20 | 15 | 25 | 18 | 23 | 18 |
| 17 | 24 | 19 | 15 | 7 | 20 | 22 | 39 | 28 | 28 | 34 | 35 | 38 | 28 | 21 | 21 | 22 | 21 | 17 | 22 | 20 | 14 | 24 | 29 | 25 |
| 18 | 15 | 38 | 21 | 20 | 21 | 25 | 17 | 17 | 25 | 12 | 19 | 14 | 17 | 11 | 22 | 7 | 14 | 8 | 16 | 33 | 32 | 27 | 28 | 39 |
| 19 | 51 | 49 | 61 | 69 | 69 | 64 | 45 | 37 | 28 | 33 | 34 | 36 | 34 | 38 | 31 | 29 | 35 | 32 | 27 | 28 | 32 | 58 | 68 | 44 |
| 20 | 67 | 49 | 32 | 16 | 5 | 25 | 19 | 16 | 24 | 20 | 40 | 46 | 52 | 52 | 36 | 26 | 26 | 4 | 22 | 28 | 14 | 14 | 25 | 23 |
| 21 | 14 | 13 | 18 | 21 | 31 | 28 | 16 | 10 | 19 | 22 | 15 | 14 | 16 | 17 | 23 | 20 | 0 | 1 | 3 | 10 | 15 | 10 | 10 | 7 |
| 22 | 11 | 14 | 1 | 9 | 10 | 5 | 1 | 4 | 20 | 29 | 16 | 5 | 18 | 24 | 13 | 20 | 14 | 10 | 14 | 10 | 5 | 9 | 12 | 13 |
| 23 | 9 | 7 | 25 | 14 | 25 | 18 | 14 | 21 | 22 | 37 | 42 | 41 | 43 | 41 | 24 | 25 | 28 | 31 | 29 | 23 | 34 | 26 | 23 | 29 |
| 24 | 31 | 22 | 35 | 28 | 21 | 23 | 24 | 29 | 27 | 25 | 18 | 19 | 12 | 16 | 15 | 22 | 20 | 11 | 20 | 25 | 29 | 37 | 39 | 37 |
| 25 | 33 | 44 | 32 | 22 | 19 | 18 | 11 | 18 | 12 | 13 | 15 | 20 | 20 | 8 | 15 | 12 | 22 | 28 | 25 | 29 | 34 | 35 | 34 | 25 |
| 26 | 43 | 39 | 38 | 28 | 21 | 20 | 36 | 44 | 35 | 34 | 50 | 37 | 28 | 24 | 25 | 6 | 16 | 12 | 3 | 1 | 4 | 8 | 10 | 6 |
| 27 | 0 | 2 | 7 | 2 | 17 | 11 | 10 | 24 | 23 | 31 | 17 | 33 | 29 | 47 | 38 | 36 | 24 | 11 | 19 | 15 | 34 | 17 | 13 | 19 |
| 28 | 2 | 33 | 20 | 16 | 18 | 30 | 24 | 30 | 33 | 27 | 11 | 9 | 36 | 31 | 32 | 31 | 24 | 10 | 15 | 31 | 32 | 27 | 29 | 26 |
| 29 | 26 | 27 | 39 | 34 | 40 | 39 | 29 | 21 | 26 | 31 | 33 | 44 | 48 | 36 | 15 | 35 | 29 | 21 | 28 | 16 | 27 | 36 | 33 | 29 |
| 30 | 37 | 13 | 33 | 39 | 31 | 27 | 18 | 21 | 28 | 29 | 29 | 30 | 15 | 18 | 14 | 12 | 9 | 3 | 8 | 36 | 15 | 14 | 22 | 36 |
| 31 | 24 | 27 | 21 | 28 | 18 | 21 | 11 | 24 | 28 | 19 | 25 | 30 | 25 | 13 | 26 | 16 | 16 | 34 | 17 | 12 | 18 | 20 | 13 | 6 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

| MP10 (Partículas Inaláveis) | | | | | | | | | | | | Unidade de Medida: micrograma por metro cúbico (µg/m3) | | | | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|-----|
| Abril / 2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 21 | 20 | 11 | 10 | 28 | 10 | 18 | 14 | 13 | 24 | 21 | 36 | 28 | 15 | 16 | 10 | 9 | 15 | 12 | 5 | 15 | 23 | 20 | 16 |
| 2 | 21 | 18 | 18 | 14 | 23 | 14 | 26 | 22 | 34 | 33 | 27 | 32 | 33 | 37 | 26 | 22 | 21 | 18 | 27 | 33 | 25 | 36 | 29 | 27 |
| 3 | 27 | 23 | 34 | 9 | 35 | 30 | 38 | 40 | 38 | 31 | 35 | 37 | 23 | 29 | 22 | 27 | 32 | 19 | 27 | 13 | 8 | 5 | 11 | 9 |
| 4 | 15 | 11 | 12 | 7 | 18 | 19 | 13 | 13 | 26 | 23 | 29 | 33 | 37 | 42 | 38 | 33 | 5 | 23 | 14 | 4 | 10 | 9 | 9 | 16 |
| 5 | 8 | 2 | 2 | 28 | 30 | 18 | 28 | 19 | 11 | 20 | 41 | 52 | 47 | 11 | 19 | 41 | 21 | 7 | 19 | 31 | 22 | 21 | 24 | 41 |
| 6 | 26 | 34 | 31 | 13 | 24 | 5 | 29 | 15 | 15 | 30 | 30 | 34 | 27 | 28 | 18 | 20 | 22 | 29 | 11 | 18 | 16 | 31 | 12 | 3 |
| 7 | 18 | 11 | 16 | 14 | 22 | 24 | 28 | 20 | 14 | 13 | 27 | 37 | 29 | 25 | 37 | 20 | 29 | 37 | 25 | 22 | 22 | 19 | 10 | 16 |
| 8 | 12 | 21 | 16 | 16 | 17 | 10 | 16 | 15 | 16 | 18 | 20 | 12 | 11 | 14 | 26 | 18 | 41 | 32 | 16 | 4 | 25 | 10 | 3 | 16 |
| 9 | 7 | 25 | 28 | 10 | 2 | 28 | 20 | 19 | 22 | 11 | 28 | 19 | 35 | 36 | 28 | 44 | 18 | 26 | 22 | 37 | 36 | 24 | 16 | 13 |
| 10 | 7 | 21 | 2 | 0 | 17 | 41 | 33 | 18 | 28 | 36 | 45 | 35 | 47 | 32 | 41 | 32 | 30 | 43 | 46 | 11 | 22 | 31 | 22 | 17 |
| 11 | 25 | 31 | 25 | 23 | 16 | 27 | 29 | 20 | 22 | 26 | 21 | 30 | 30 | 29 | 28 | 38 | 36 | 35 | 28 | 23 | 27 | 21 | 26 | 19 |
| 12 | 10 | 28 | 4 | 17 | 18 | 32 | 35 | 31 | 38 | 43 | 68 | 62 | 39 | 11 | 37 | 27 | 48 | 55 | 25 | 71 | 51 | 59 | 69 | 59 |
| 13 | 37 | 56 | 53 | 37 | 42 | 66 | 86 | 68 | 70 | 54 | 29 | 31 | 26 | 14 | 32 | 39 | 51 | 56 | 28 | 16 | 26 | 25 | 25 | 27 |
| 14 | 12 | 27 | 7 | 6 | 21 | 15 | 11 | 20 | 20 | 18 | 23 | 22 | 15 | 12 | 24 | 19 | 7 | 10 | 21 | 15 | 10 | 7 | 26 | 35 |
| 15 | 27 | 13 | 3 | 8 | 10 | 13 | 34 | 10 | 0 | 0 | 1 | 3 | 10 | 8 | 10 | 3 | 13 | 0 | 6 | 0 | 3 | 16 | 14 | 16 |
| 16 | 18 | 15 | 3 | 9 | 23 | 3 | 5 | 3 | 19 | 12 | 21 | 19 | 5 | 21 | 23 | 18 | 19 | 8 | 30 | 5 | 5 | 19 | 12 | 13 |
| 17 | 18 | 15 | 16 | 10 | 3 | 14 | 22 | 13 | 19 | 16 | 22 | 28 | 8 | 13 | 14 | 13 | 21 | 22 | 24 | 21 | 18 | 2 | 19 | 11 |
| 18 | 19 | 21 | 24 | 26 | 19 | 29 | 24 | 31 | 34 | 22 | 30 | 28 | 26 | 20 | 21 | 30 | 45 | 36 | 11 | 9 | 18 | 28 | 19 | 7 |
| 19 | 39 | 38 | 38 | 35 | 36 | 29 | 37 | 56 | 34 | 34 | 62 | 46 | 40 | 25 | 30 | 37 | 43 | 31 | 23 | 19 | 22 | 31 | 31 | 51 |
| 20 | 51 | 64 | 63 | 56 | 58 | 52 | 60 | 68 | 62 | 55 | 53 | 48 | 9 | 31 | 19 | 5 | 16 | 28 | 10 | 12 | 25 | 41 | 35 | 50 |
| 21 | 75 | 76 | 74 | 96 | 48 | 38 | 63 | 60 | 56 | 48 | 28 | 14 | 11 | 5 | 24 | 26 | 43 | 16 | 45 | 50 | 20 | 39 | 12 | 21 |
| 22 | 26 | 39 | 13 | 39 | 32 | 20 | 27 | 29 | 21 | 21 | 25 | 23 | 26 | 6 | 25 | 30 | 35 | 25 | 20 | 23 | 33 | 27 | 5 | 12 |
| 23 | 30 | 19 | 4 | 47 | 42 | 34 | 33 | 28 | 40 | 41 | 51 | 49 | 43 | 41 | 24 | 43 | 45 | 45 | 29 | 15 | 21 | 27 | 42 | 36 |
| 24 | 31 | 24 | 25 | 48 | 46 | 39 | 42 | 35 | 41 | 33 | 31 | 39 | 35 | 25 | 29 | 39 | 34 | 44 | 45 | 37 | 36 | 26 | 18 | 17 |
| 25 | 15 | 24 | 14 | 18 | 16 | 3 | 18 | 36 | 47 | 47 | 56 | 58 | 27 | 44 | 39 | 35 | 44 | 52 | 45 | 16 | 19 | 29 | 37 | 29 |
| 26 | 33 | 36 | 30 | 26 | 35 | 42 | 30 | 34 | 33 | 52 | 47 | 50 | 45 | 48 | 51 | 40 | 42 | 59 | 37 | 34 | 28 | 22 | 14 | 26 |
| 27 | 26 | 3 | 17 | 23 | 28 | 26 | 18 | 24 | 27 | 45 | 42 | 30 | 28 | 39 | 30 | 39 | 69 | 50 | 29 | 31 | 31 | 37 | 23 | 14 |
| 28 | 29 | 32 | 36 | 28 | 20 | 30 | 37 | 28 | 25 | 32 | 34 | 33 | 34 | 25 | 30 | 42 | 47 | 35 | 45 | 56 | 36 | 33 | 27 | 46 |
| 29 | 41 | 21 | 34 | 34 | 26 | 25 | 30 | 23 | 15 | 22 | 25 | 40 | 27 | 23 | 21 | 23 | 26 | 24 | 33 | 38 | 40 | 25 | 34 | 31 |
| 30 | 36 | 37 | 53 | 57 | 42 | 43 | 50 | 54 | 48 | 54 | 39 | 39 | 32 | 16 | 12 | 4 | 27 | 48 | 55 | 57 | 71 | 78 | 88 | 110 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

| MP10 (Partículas Inaláveis) | | | | | | | | | | | | Unidade de Medida: micrograma por metro cúbico (µg/m3) | | | | | | | | | | | | |
|-----------------------------|-----|-----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|-----|----|----|
| Maio / 2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 111 | 100 | 97 | 82 | 81 | 63 | 57 | 70 | 56 | 25 | 26 | 20 | 17 | 18 | 27 | 39 | 34 | 34 | 13 | 29 | 16 | 18 | 19 | 13 |
| 2 | 5 | 10 | 22 | 28 | 23 | 25 | 30 | 32 | 34 | 33 | 33 | 46 | 52 | 58 | 43 | 43 | 41 | 40 | 36 | 21 | 24 | 28 | 29 | 27 |
| 3 | 34 | 28 | 20 | 14 | 19 | 29 | 31 | 15 | 42 | 42 | 43 | 52 | 52 | 46 | 50 | 29 | 37 | 58 | 67 | 68 | 19 | 41 | 15 | 18 |
| 4 | 51 | 74 | 70 | 65 | 56 | 51 | 73 | 71 | 64 | 69 | 62 | 50 | 41 | 37 | 32 | 40 | 44 | 55 | 65 | 52 | 46 | 58 | 65 | 58 |
| 5 | 47 | 36 | 58 | 32 | 42 | 53 | 50 | 59 | 49 | 47 | 48 | 36 | 26 | 34 | 13 | 46 | 53 | 52 | 35 | 9 | 10 | 25 | 33 | 44 |
| 6 | 47 | 34 | 28 | 24 | 26 | 28 | 29 | 33 | 34 | 27 | 27 | 19 | 29 | 47 | 39 | 39 | 31 | 35 | 30 | 13 | 18 | 21 | 23 | 26 |
| 7 | 28 | 20 | 18 | 7 | 17 | 27 | 21 | 25 | 15 | 17 | 26 | 19 | 23 | 35 | 33 | 29 | 36 | 23 | 8 | 13 | 10 | 14 | 8 | 21 |
| 8 | 16 | 9 | 15 | 12 | 12 | 12 | 17 | 24 | 28 | 27 | 15 | 26 | 13 | 17 | 11 | 17 | 23 | 9 | 21 | 9 | 20 | 13 | 6 | 10 |
| 9 | 16 | 7 | 7 | 3 | 6 | 13 | 19 | 15 | 18 | 26 | 33 | 8 | 14 | 24 | 23 | 38 | 41 | 50 | 57 | 23 | 20 | 26 | 21 | 29 |
| 10 | 29 | 58 | 36 | 21 | 26 | 36 | 34 | 34 | 29 | 33 | 40 | - | - | - | 56 | 39 | 56 | 58 | 65 | 77 | 61 | 30 | 44 | 84 |
| 11 | 97 | 111 | 89 | 80 | 78 | 67 | 64 | 68 | 66 | 63 | 67 | 52 | 44 | 51 | 51 | 57 | 67 | 58 | 55 | 49 | 78 | 101 | 83 | 72 |
| 12 | 66 | 63 | 53 | 51 | 46 | 39 | 44 | 33 | 49 | 60 | 54 | 34 | 34 | 37 | 36 | 23 | 22 | 25 | 23 | 20 | 10 | 13 | 10 | 8 |
| 13 | 9 | 6 | 10 | 15 | 13 | 4 | 3 | 11 | 15 | 18 | 12 | 10 | 18 | 9 | 29 | 29 | 33 | 29 | 36 | 22 | 23 | 20 | 20 | 16 |
| 14 | 24 | 9 | 5 | 13 | 9 | 15 | 12 | 16 | 17 | 28 | 30 | 52 | 48 | 34 | 36 | 41 | 48 | 42 | 32 | 43 | 27 | 40 | 37 | 35 |
| 15 | 35 | 30 | 22 | 19 | 30 | 34 | 27 | 39 | 36 | 42 | 42 | 49 | 49 | 54 | 56 | 46 | 38 | 39 | 58 | 51 | 58 | 57 | 75 | 62 |
| 16 | 38 | 46 | 51 | 56 | 47 | 62 | 52 | 59 | 54 | 39 | 44 | 43 | 44 | 43 | 54 | 31 | 34 | 35 | 17 | 19 | 15 | 26 | 13 | 6 |
| 17 | 6 | 8 | 16 | 12 | 16 | 12 | 15 | 20 | 21 | 28 | 24 | 25 | 30 | 29 | 45 | 33 | 31 | 26 | 18 | 21 | 24 | 18 | 22 | 17 |
| 18 | 26 | 43 | 24 | 27 | 20 | 25 | 29 | 32 | 29 | 31 | 42 | 40 | 56 | 52 | 35 | 43 | 40 | 53 | 52 | 48 | 54 | 62 | 65 | 56 |
| 19 | 37 | 29 | 31 | 32 | 33 | 38 | 24 | 32 | 8 | 10 | 4 | 9 | 10 | 8 | 8 | 10 | 10 | 3 | 10 | 21 | 17 | 17 | 31 | 36 |
| 20 | 20 | 10 | 5 | 5 | 4 | 8 | 2 | 12 | 13 | 11 | 1 | 3 | 10 | 9 | 16 | 6 | 2 | 13 | 17 | 19 | 11 | 21 | 29 | 19 |
| 21 | 33 | 26 | 26 | 36 | 30 | 33 | 28 | 25 | 35 | 25 | 41 | 54 | 39 | 31 | 40 | 44 | 42 | 37 | 47 | 60 | 47 | 47 | 45 | 36 |
| 22 | 56 | 87 | 96 | 73 | 68 | 56 | 55 | 82 | 75 | 60 | 53 | 43 | 35 | 28 | 31 | 39 | 49 | 41 | 77 | 77 | 45 | 51 | 76 | 76 |
| 23 | 60 | 79 | 79 | 96 | 93 | 92 | 86 | 74 | 45 | 48 | 55 | 52 | 58 | 54 | 50 | 36 | 38 | 45 | 35 | 46 | 48 | 36 | 16 | 14 |
| 24 | 33 | 23 | 9 | 17 | 26 | 17 | 17 | 32 | 38 | 26 | 43 | 39 | 53 | 45 | 54 | 39 | 39 | 37 | 36 | 31 | 14 | 25 | 19 | 5 |
| 25 | 22 | 24 | 17 | 9 | 9 | 15 | 21 | 28 | 36 | 34 | 27 | 35 | 37 | 43 | 35 | 36 | 43 | 41 | 23 | 25 | 14 | 13 | 9 | 21 |
| 26 | 14 | 12 | 1 | 18 | 22 | 17 | 20 | 24 | 26 | 26 | 22 | 28 | 29 | 27 | 19 | 33 | 47 | 39 | 26 | 23 | 25 | 36 | 28 | 17 |
| 27 | 32 | 26 | 17 | 15 | 18 | 23 | 16 | 20 | 29 | 12 | 17 | 15 | 17 | 29 | 14 | 15 | 37 | 37 | 34 | 32 | 33 | 36 | 22 | 10 |
| 28 | 16 | 28 | 29 | 6 | 7 | 24 | 28 | 18 | 8 | 29 | 36 | 43 | 36 | 34 | 31 | 19 | 19 | 37 | 45 | 21 | 11 | 21 | 26 | 18 |
| 29 | 21 | 13 | 23 | 25 | 36 | 25 | 27 | 51 | 26 | 16 | 28 | 37 | 26 | 18 | 25 | 21 | 19 | 32 | 42 | 33 | 23 | 22 | 27 | 18 |
| 30 | 29 | 25 | 13 | 9 | 20 | 28 | 36 | 24 | 28 | 31 | 33 | 22 | 18 | 10 | 10 | 27 | 23 | 23 | 46 | 57 | 45 | 38 | 50 | 59 |
| 31 | 73 | 90 | 85 | 69 | 64 | 70 | 59 | 71 | 51 | 53 | 20 | 16 | 16 | 14 | 10 | 23 | 24 | 29 | 37 | 46 | 46 | 50 | 57 | 58 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

| MP10 (Partículas Inaláveis) | | | | | | | | | | | | Unidade de Medida: micrograma por metro cúbico (µg/m3) | | | | | | | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
| Junho / 2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 46 | 56 | 64 | 55 | 76 | 93 | 71 | 60 | 38 | 36 | 24 | 38 | 41 | 45 | 33 | 41 | 47 | 46 | 70 | 76 | 68 | 83 | 78 | 96 |
| 2 | 99 | 103 | 82 | 47 | 47 | 36 | 26 | 34 | 41 | 32 | 33 | 45 | 46 | 39 | 44 | 39 | 45 | 63 | 83 | 81 | 80 | 84 | 72 | 55 |
| 3 | 90 | 92 | 62 | 40 | 12 | 8 | 11 | 6 | 0 | 7 | 9 | 12 | 17 | 10 | 12 | 0 | 6 | 3 | 4 | 0 | 7 | 18 | 17 | 6 |
| 4 | 7 | 3 | 2 | 4 | 6 | 5 | 15 | 4 | 14 | 13 | 15 | 22 | 19 | 14 | 14 | 26 | 28 | 25 | 22 | 10 | 12 | 19 | 22 | 18 |
| 5 | 21 | 18 | 22 | 23 | 19 | 18 | 8 | 20 | 32 | 24 | 34 | 38 | 40 | 42 | 64 | 76 | 72 | 48 | 53 | 49 | 21 | 34 | 23 | 26 |
| 6 | 57 | 54 | 50 | 60 | 64 | 75 | 51 | 45 | 52 | 53 | 57 | 60 | 48 | 51 | 47 | 50 | 46 | 33 | 37 | 38 | 33 | 38 | 22 | 21 |
| 7 | 45 | 43 | 51 | 54 | 52 | 49 | 33 | 48 | 54 | 43 | 65 | 68 | 63 | 51 | 35 | 40 | 45 | 44 | 47 | 41 | 32 | 40 | 31 | 29 |
| 8 | 24 | 21 | 23 | 24 | 14 | 14 | 22 | 25 | 26 | 27 | 43 | 34 | 5 | 14 | 26 | 38 | 35 | 37 | 36 | 38 | 28 | 32 | 29 | 33 |
| 9 | 44 | 55 | 36 | 16 | 15 | 22 | 12 | 19 | 20 | 26 | 32 | 30 | 27 | 41 | 36 | 29 | 40 | 39 | 32 | 35 | 30 | 29 | 44 | 59 |
| 10 | 60 | 63 | 50 | 36 | 11 | 16 | 11 | 17 | 10 | 14 | 16 | 24 | 30 | 41 | 23 | 40 | 34 | 37 | 48 | 42 | 53 | 47 | 39 | 48 |
| 11 | 54 | 55 | 43 | 49 | 67 | 73 | 51 | 64 | 58 | 56 | 51 | - | - | - | 43 | 45 | 42 | 49 | 55 | 65 | 77 | 72 | 76 | 62 |
| 12 | 40 | 39 | 37 | 31 | 31 | 34 | 35 | 32 | 21 | 35 | 35 | 42 | 50 | 44 | 49 | 57 | 67 | 70 | 61 | 65 | 72 | 67 | 45 | 43 |
| 13 | 30 | 37 | 39 | 35 | 33 | 20 | 22 | 17 | 20 | 31 | 40 | 46 | 27 | 35 | 52 | 45 | 38 | 39 | 30 | 30 | 33 | 29 | 18 | 21 |
| 14 | 10 | 9 | 7 | 6 | 6 | 11 | 3 | 6 | 6 | 15 | 18 | 9 | 19 | 7 | 5 | 14 | 11 | 7 | 14 | 10 | 10 | 4 | 12 | 3 |
| 15 | 17 | 18 | 4 | 4 | 13 | 5 | 2 | 4 | 12 | 19 | 30 | 29 | 13 | 24 | 36 | 19 | 7 | 4 | 12 | 6 | 12 | 8 | 9 | 1 |
| 16 | 4 | 0 | 3 | 5 | 7 | 9 | 5 | 3 | 1 | 5 | 3 | 15 | 22 | 19 | 12 | 1 | 2 | 1 | 7 | 10 | 4 | 2 | 9 | 13 |
| 17 | 15 | 10 | 7 | 15 | 2 | 2 | 12 | 3 | 0 | 11 | 3 | 9 | 22 | 21 | 15 | 10 | 27 | 20 | 12 | 18 | 19 | 3 | 4 | 12 |
| 18 | 9 | 5 | 3 | 12 | 12 | 0 | 1 | 11 | 3 | 4 | 28 | 44 | 36 | 27 | 29 | 44 | 40 | 24 | 19 | 20 | 17 | 6 | 12 | 5 |
| 19 | 9 | 15 | 15 | 18 | 12 | 14 | 18 | 20 | 21 | 24 | 3 | 23 | 36 | 35 | 32 | 46 | 35 | 40 | 28 | 17 | 19 | 23 | 25 | 38 |
| 20 | 35 | 24 | 28 | 24 | 32 | 28 | 32 | 40 | 43 | 50 | 49 | 37 | 42 | 30 | 31 | 29 | 30 | 41 | 52 | 70 | 48 | 39 | 34 | 33 |
| 21 | 49 | 69 | 85 | 75 | 88 | 98 | 91 | 88 | 84 | 80 | 68 | 47 | 46 | 49 | 45 | 47 | 47 | 56 | 61 | 86 | 87 | 99 | 100 | 80 |
| 22 | 86 | 75 | 74 | 72 | 80 | 86 | 79 | 59 | 54 | 60 | 64 | 35 | 15 | 12 | 33 | 48 | 37 | 32 | 38 | 36 | 40 | 64 | 79 | 75 |
| 23 | 86 | 98 | 87 | 77 | 81 | 84 | 84 | 80 | 77 | 73 | 52 | 49 | 43 | 17 | 31 | 30 | 24 | 31 | 49 | 79 | 74 | 64 | 60 | 63 |
| 24 | 97 | 108 | 114 | 112 | 105 | 106 | 87 | 75 | 70 | 54 | 46 | 17 | 22 | 21 | 19 | 21 | 28 | 51 | 40 | 40 | 39 | 30 | 35 | - |
| 25 | - | - | - | 41 | 49 | 69 | 78 | 75 | 87 | 91 | 71 | 54 | 52 | - | - | - | - | - | - | - | - | - | - | - |
| 26 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 27 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 20 | 45 | 57 | 64 | 53 |
| 28 | 55 | 41 | 46 | 33 | 28 | 41 | 34 | 28 | 45 | 67 | 78 | 72 | 79 | 83 | 79 | 67 | 57 | 50 | 68 | 99 | 100 | 88 | 112 | 110 |
| 29 | 111 | 97 | 95 | 93 | 98 | 93 | 66 | 59 | 64 | 63 | 44 | 44 | 52 | 39 | 29 | 43 | 53 | 62 | 64 | 87 | 80 | 110 | 113 | 111 |
| 30 | 100 | 87 | 80 | 83 | 85 | 75 | 71 | 56 | 57 | 41 | 36 | 30 | 42 | 37 | 45 | 30 | 35 | 37 | 58 | 85 | 61 | 44 | 49 | 56 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Marg.Tietê-Pte Remédios

| MP10 (Partículas Inaláveis) | | | | | | | | | | | | Unidade de Medida: micrograma por metro cúbico (µg/m3) | | | | | | | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|
| Julho / 2018 | | | | | | | | | | | | | | | | | | | | | | | | |
| Dias / Hora | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 57 | 63 | 65 | 59 | 46 | 52 | 55 | 50 | 39 | 61 | 73 | 79 | 85 | 63 | 24 | 26 | 34 | 46 | 65 | 99 | 69 | 71 | 68 | 85 |
| 2 | 102 | 106 | 102 | 90 | 92 | 93 | 83 | 84 | 70 | 72 | 69 | 62 | 53 | 41 | 40 | 51 | 67 | 72 | 87 | 108 | 107 | 135 | 135 | 114 |
| 3 | 106 | 99 | 80 | 81 | 87 | 97 | 96 | 87 | 91 | 78 | 93 | 69 | 62 | 40 | 32 | 29 | 19 | 17 | 18 | 16 | 11 | 0 | 3 | 10 |
| 4 | 7 | 9 | 0 | 7 | 15 | 10 | 1 | 14 | 13 | 27 | 29 | 35 | 33 | 36 | 40 | 53 | 59 | 49 | 55 | 47 | 29 | 35 | 46 | 43 |
| 5 | 57 | 60 | 62 | 72 | 78 | 80 | 77 | 63 | 50 | 45 | 64 | 77 | 90 | 82 | 49 | 52 | 62 | 74 | 103 | 122 | 121 | 131 | 142 | 140 |
| 6 | 139 | 117 | 101 | 103 | 96 | 97 | 98 | 93 | 96 | 103 | 119 | 87 | 63 | 46 | 39 | 49 | 52 | 58 | 74 | 85 | 96 | 81 | 48 | 36 |
| 7 | 55 | 59 | 54 | 59 | 65 | 78 | 71 | 85 | 92 | 93 | 76 | 56 | 54 | 47 | 44 | 53 | 52 | 72 | 90 | 107 | 101 | 112 | 128 | 140 |
| 8 | 137 | 119 | 98 | 97 | 96 | 89 | 89 | 70 | 61 | 63 | 52 | 52 | 58 | 43 | 46 | 47 | 45 | 46 | 64 | 79 | 85 | 101 | 82 | 72 |
| 9 | 75 | 87 | 91 | 86 | 42 | 7 | 5 | 16 | 29 | 38 | 45 | 62 | 58 | 61 | 48 | 45 | 59 | 26 | 19 | 12 | 0 | 8 | 3 | 0 |
| 10 | 6 | 13 | 4 | 18 | 12 | 15 | 8 | 7 | 8 | 13 | 7 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 11 | 28 | 42 | 30 | 21 | 16 | 13 | 9 | 7 | 11 | 13 | 13 | 5 | 9 | 6 | 11 | 17 | 24 | 25 | 33 | 21 | 19 | 19 | 20 | 29 |
| 12 | 24 | 16 | 16 | 13 | 14 | 20 | 13 | 18 | 9 | 24 | 47 | 37 | 32 | 28 | 25 | 37 | 37 | 54 | 73 | 67 | 59 | 62 | 68 | 42 |
| 13 | 51 | 56 | 63 | 68 | 65 | 82 | 67 | 50 | 31 | 27 | 36 | 30 | 55 | 48 | 54 | 57 | 67 | 72 | 79 | 79 | 86 | 65 | 60 | 68 |
| 14 | 71 | 100 | 112 | 109 | 100 | 100 | 87 | 101 | 94 | 94 | 87 | 79 | 80 | 44 | 29 | 30 | 35 | 47 | 93 | 94 | 73 | 87 | 126 | 125 |
| 15 | 131 | 135 | 127 | 131 | 126 | 115 | 100 | 104 | 83 | 74 | 70 | 66 | 34 | 26 | 11 | 22 | 36 | 48 | 57 | 76 | 94 | 87 | 86 | 113 |
| 16 | 119 | 111 | 107 | 97 | 92 | 96 | 102 | 109 | 92 | 99 | 89 | 91 | 67 | 30 | 35 | 44 | 22 | 33 | 64 | 66 | 88 | 102 | 137 | 154 |
| 17 | 179 | 146 | 91 | 60 | 55 | 49 | 49 | 76 | 69 | 72 | 74 | 67 | 66 | 63 | 47 | 50 | 58 | 56 | 87 | 65 | 45 | 60 | 57 | 62 |
| 18 | 60 | 56 | 85 | 88 | 93 | 116 | 109 | 114 | 106 | 116 | 80 | - | - | - | 49 | 46 | 45 | 53 | 78 | 100 | 104 | 107 | 120 | 116 |
| 19 | 119 | 129 | 123 | 130 | 131 | 136 | 170 | 126 | 70 | 49 | 37 | 44 | 50 | 44 | 50 | 55 | 59 | 64 | 78 | 66 | 69 | 59 | 49 | 49 |
| 20 | 69 | 88 | 115 | 123 | 109 | 105 | 94 | 88 | 63 | 47 | 38 | 54 | 58 | 59 | 65 | 80 | 83 | 92 | 109 | 136 | 125 | 122 | 145 | 142 |
| 21 | 146 | 149 | 147 | 138 | 139 | 185 | 159 | 118 | 81 | 75 | 72 | 77 | 51 | 46 | 80 | 82 | 57 | 35 | 25 | 18 | 14 | 6 | 7 | 9 |
| 22 | 10 | 10 | 11 | 8 | 7 | 6 | 9 | 17 | 14 | 8 | 0 | 11 | 19 | 19 | 19 | 25 | 35 | 41 | 46 | 33 | 27 | 28 | 18 | 23 |
| 23 | 25 | 35 | 44 | 44 | 37 | 34 | 33 | 37 | 31 | 36 | 26 | 49 | 62 | 57 | 52 | 43 | 52 | 64 | 72 | 77 | 99 | 103 | 126 | 145 |
| 24 | 146 | 141 | 137 | 128 | 118 | 121 | 53 | 28 | 20 | 20 | 19 | 24 | 32 | 49 | 46 | 29 | 33 | 42 | 47 | 31 | 27 | 19 | 20 | 15 |
| 25 | 16 | 20 | 23 | 18 | 24 | 21 | 23 | 15 | 21 | 20 | 18 | 24 | 40 | 41 | 38 | 43 | 66 | 74 | 75 | 139 | 184 | 47 | 7 | 14 |
| 26 | 27 | 30 | 32 | 38 | 38 | 35 | 33 | 35 | 20 | 39 | 37 | 46 | 43 | 36 | 45 | 50 | 58 | 65 | 102 | 85 | 65 | 65 | 66 | 70 |
| 27 | 75 | 91 | 108 | 96 | 92 | 99 | 113 | 102 | 64 | 54 | 33 | 18 | 38 | 39 | 48 | 44 | 45 | 58 | 73 | 100 | 104 | 96 | 102 | 111 |
| 28 | 143 | 157 | 163 | 159 | 137 | 119 | 104 | 76 | 51 | 48 | 29 | 29 | 44 | 49 | 50 | 54 | 61 | 77 | 90 | 105 | 137 | 156 | 141 | 156 |
| 29 | 160 | 152 | 154 | 143 | 119 | 91 | 78 | 85 | 72 | 52 | 23 | 29 | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | - | - | - | - | - | - | - | - | - | - | - | 29 | 53 | 68 | 43 | 51 | 53 | 43 | 36 | 40 | 47 | 60 | 72 | 66 |
| 31 | 54 | 50 | 38 | 43 | 53 | 41 | 25 | 19 | 37 | 21 | 14 | 2 | 11 | 10 | 9 | 13 | 14 | 18 | 19 | 12 | 8 | 12 | 9 | 11 |