



Sistema de Informação de Qualidade do Ar

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

| MP10 (Partículas Inaláveis) | | | | | | | | | | | | Unidade de Medida: micrograma por metro cúbico (µg/m3) | | | | | | | | | | | | |
|-----------------------------|----|----|----|----|----|----|----|----|----|----|----|--|----|----|----|----|----|----|----|----|----|----|----|----|
| Janeiro / 2016 | | | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 29 | 38 | 34 | 21 | 15 | 12 | 6 | 4 | 2 | 4 | 9 | 6 | 5 | 14 | 6 | 14 | 12 | 16 | 19 | - | 38 | 25 | 22 | 47 |
| 2 | 11 | 30 | 17 | 4 | 9 | 6 | 1 | 7 | 3 | 16 | 46 | 49 | 23 | 2 | 12 | 19 | 7 | 0 | 2 | 12 | 11 | 7 | 6 | 0 |
| 3 | 2 | 6 | 12 | 4 | 10 | 2 | 1 | 4 | 7 | 1 | 8 | 8 | 1 | 4 | 4 | 6 | 5 | 3 | 11 | 10 | 6 | 5 | 7 | 10 |
| 4 | 8 | 44 | 20 | 15 | 12 | 14 | 13 | 23 | 10 | 17 | 13 | 5 | 7 | 16 | 24 | 16 | 18 | 28 | 35 | 21 | 26 | 13 | 16 | 24 |
| 5 | 13 | 33 | 19 | 14 | 11 | 8 | 11 | 10 | 9 | 14 | 14 | 13 | 17 | 20 | 31 | 28 | 37 | 32 | 27 | 26 | 28 | 26 | 18 | 19 |
| 6 | 22 | 41 | 31 | 30 | 18 | 18 | 22 | 19 | 14 | 23 | 21 | 20 | 28 | 19 | 26 | 29 | 40 | 31 | 37 | 43 | 41 | 32 | 40 | 35 |
| 7 | 44 | 55 | 42 | 20 | 28 | 32 | 30 | 21 | 20 | 31 | 25 | 20 | 19 | 21 | 19 | 17 | 19 | 23 | 26 | 30 | 32 | 37 | 43 | 42 |
| 8 | 25 | 34 | 35 | 31 | 34 | 31 | 35 | 36 | 30 | 28 | 27 | 25 | 36 | 61 | 63 | 47 | 29 | 24 | 22 | 18 | 13 | 28 | 25 | 18 |
| 9 | 25 | 63 | 41 | 28 | 24 | 26 | 27 | 25 | 33 | 33 | 26 | 14 | 13 | 11 | 3 | 13 | 26 | 6 | 18 | 12 | 9 | 4 | 6 | 6 |
| 10 | 7 | 29 | 21 | 18 | 5 | 7 | 12 | 10 | 7 | 7 | 4 | 0 | 16 | 9 | 1 | 16 | 56 | 22 | 7 | 8 | 25 | 24 | 9 | 4 |
| 11 | 3 | 18 | 22 | 5 | 8 | 3 | 1 | 4 | 16 | 3 | 4 | 0 | 6 | 10 | 4 | 9 | 8 | 6 | 2 | 7 | 9 | 9 | 9 | 11 |
| 12 | 16 | 27 | 10 | 17 | 4 | 3 | 4 | 9 | 13 | 2 | 5 | 5 | 0 | 4 | 3 | 11 | 7 | 18 | 8 | 5 | 10 | 14 | 3 | 8 |
| 13 | 7 | 21 | 14 | 7 | 12 | 10 | 8 | 26 | 16 | 17 | 13 | 15 | 13 | 14 | 15 | 25 | 32 | 32 | 4 | 11 | 2 | 6 | 13 | 5 |
| 14 | 11 | 33 | 21 | 17 | 13 | 7 | 9 | 23 | 21 | 9 | 22 | 5 | 67 | - | - | - | - | - | - | - | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 21 | - | - | - | - | - | - | - | - | - | - | 18 | 95 | 54 | 25 | 25 | 3 | 7 | 3 | 41 | 50 | 26 | 16 | 33 | 21 |
| 22 | 8 | 31 | 23 | 4 | 4 | 10 | 11 | 19 | 21 | 10 | 17 | 29 | 24 | 27 | 62 | 49 | 31 | 16 | 0 | 20 | 20 | 20 | 59 | 91 |
| 23 | 29 | 33 | 33 | 19 | 24 | 17 | 24 | 15 | 21 | 7 | 4 | 3 | 14 | 24 | 21 | 29 | 24 | 39 | 36 | 38 | 25 | 19 | 23 | 24 |
| 24 | 23 | 39 | 27 | 23 | 15 | 8 | 24 | 13 | 19 | 15 | 21 | 13 | 32 | 35 | 48 | 68 | 43 | 39 | 21 | 21 | 24 | 32 | 43 | 49 |
| 25 | 35 | 27 | 31 | 18 | 22 | 19 | 23 | 26 | 34 | 12 | 14 | 16 | 11 | 15 | 11 | 13 | 13 | 24 | 44 | 30 | 33 | 21 | 15 | 17 |
| 26 | 20 | 26 | 17 | 8 | 9 | 2 | 10 | 15 | 17 | 16 | 17 | 21 | 17 | 17 | 18 | 17 | 19 | 32 | 27 | 5 | 16 | 20 | 26 | 16 |
| 27 | 28 | 40 | 20 | 6 | 7 | 15 | 20 | 10 | 27 | 31 | 35 | 37 | 26 | 34 | 59 | 38 | 44 | 4 | 13 | 15 | 8 | 2 | 4 | 6 |
| 28 | 8 | 49 | 24 | 2 | 1 | 8 | 18 | 19 | 22 | 14 | 14 | 12 | 9 | 25 | 44 | 30 | 23 | 29 | 41 | 29 | 20 | 20 | 19 | 21 |
| 29 | 12 | 49 | 31 | 18 | 11 | 13 | 9 | 11 | 19 | 9 | 18 | 15 | 2 | 16 | 9 | 7 | 6 | 10 | 25 | 21 | 17 | 5 | 16 | 10 |
| 30 | 6 | 8 | 7 | 5 | 5 | 13 | 11 | 14 | 14 | 4 | 16 | 10 | 15 | 10 | 14 | 15 | 25 | 21 | 11 | 23 | 24 | 35 | 31 | 26 |
| 31 | 33 | 73 | 54 | 42 | 29 | 24 | 16 | 15 | 22 | 8 | 19 | 10 | 5 | 15 | 8 | 10 | 13 | 7 | 14 | 18 | 19 | 33 | 34 | 38 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Fevereiro / 2016

| 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 | 32 | 37 | 29 | 28 | 41 | 39 | 34 | 35 | 31 | 26 | 29 | 18 | 13 | 16 | 16 | 7 | 15 | 14 | 28 | 45 | 38 | 43 | 42 | 49 |
| 2 | 38 | 46 | 30 | 19 | 11 | 22 | 13 | 11 | 20 | 17 | 5 | 12 | 16 | 32 | 40 | 36 | 25 | 32 | 36 | 25 | 28 | 14 | 20 | 13 |
| 3 | 12 | 18 | 26 | 19 | 22 | 18 | 13 | 22 | 26 | 38 | 40 | 24 | 22 | 33 | 47 | 45 | 45 | 38 | 34 | 35 | 23 | 24 | 24 | 23 |
| 4 | 19 | 31 | 24 | 22 | 18 | 22 | 27 | 33 | 22 | 30 | 22 | 11 | 3 | 9 | 12 | 23 | 22 | 20 | 33 | 31 | 42 | 47 | 47 | 53 |
| 5 | 35 | 48 | 37 | 26 | 25 | 21 | 22 | 21 | 14 | 22 | 34 | 27 | 29 | 20 | 18 | 32 | 60 | 34 | 13 | 27 | 18 | 30 | 29 | 22 |
| 6 | 14 | 45 | 24 | 10 | 13 | 19 | 20 | 17 | 12 | 8 | 1 | 3 | 3 | 14 | 13 | 10 | 7 | 25 | 27 | 20 | 21 | 16 | 14 | 12 |
| 7 | 12 | 31 | 23 | 18 | 16 | 20 | 12 | 15 | 21 | 22 | 19 | 15 | 2 | 18 | 25 | 14 | 29 | 23 | 24 | 22 | 20 | 19 | 17 | 13 |
| 8 | 16 | 48 | 30 | 18 | 13 | 13 | 18 | 17 | 11 | 9 | 11 | 14 | 15 | 15 | 10 | 7 | 10 | 38 | 38 | 36 | 10 | 5 | 14 | 20 |
| 9 | 21 | 38 | 33 | 19 | 21 | 21 | 25 | 16 | 4 | 6 | 8 | 3 | 14 | 9 | 9 | 9 | 7 | 17 | 12 | 10 | 21 | 11 | 22 | 21 |
| 10 | 32 | 37 | 25 | 23 | 26 | 27 | 30 | 21 | 13 | 18 | 16 | 23 | 15 | 12 | 17 | 24 | 23 | 35 | 18 | 18 | 3 | 12 | 11 | 13 |
| 11 | 10 | 19 | 12 | 10 | 8 | 10 | 11 | 14 | 16 | 20 | 6 | 4 | 9 | 5 | 19 | 22 | 2 | 3 | 10 | 9 | 14 | 2 | 13 | 8 |
| 12 | 12 | 25 | 23 | 39 | 19 | 21 | 18 | 15 | 37 | 16 | 7 | 15 | 26 | 33 | 18 | 27 | 21 | 22 | 20 | 25 | 29 | 23 | 12 | 30 |
| 13 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 14 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 15 | - | - | - | - | - | - | - | - | - | - | - | 54 | 32 | 19 | 33 | 38 | 20 | 22 | 18 | 12 | 18 | 15 | 19 | 9 |
| 16 | 6 | 25 | 20 | 16 | 14 | 7 | 14 | 12 | 21 | 15 | 7 | 12 | 16 | 12 | 17 | 13 | 18 | 10 | 17 | 20 | 33 | 32 | 43 | 41 |
| 17 | 28 | 22 | 14 | 7 | 9 | 4 | 25 | 24 | 25 | 19 | 9 | 16 | 19 | 17 | 25 | 20 | - | 35 | 15 | 16 | 22 | 22 | 7 | 16 |
| 18 | 23 | 31 | 24 | 11 | 21 | 14 | 19 | 10 | 14 | 16 | 11 | 18 | 14 | 13 | 12 | 12 | 48 | 19 | 4 | 21 | 21 | 28 | 37 | 45 |
| 19 | 35 | 65 | 45 | 21 | 23 | 15 | 18 | 21 | 41 | 30 | 30 | 18 | 19 | 21 | 25 | 26 | 52 | 46 | 32 | 16 | 22 | 43 | 44 | 44 |
| 20 | 42 | 49 | 24 | 17 | 13 | 12 | 2 | 32 | 36 | 24 | 7 | 19 | 21 | 7 | 15 | 12 | 19 | 36 | 43 | 36 | 29 | 31 | 31 | 17 |
| 21 | 17 | 24 | 11 | 8 | 15 | 7 | 4 | 14 | 3 | 13 | 1 | 5 | 8 | 15 | 11 | 7 | 23 | 28 | 15 | 20 | 31 | 6 | 5 | 3 |
| 22 | 32 | 16 | 2 | 1 | 11 | 8 | 7 | 18 | 18 | 17 | 11 | 6 | 13 | 17 | 19 | 8 | 19 | 13 | 21 | 21 | 23 | 22 | 18 | 20 |
| 23 | 38 | 16 | 12 | 19 | 11 | 6 | 13 | 18 | 10 | 8 | 6 | 23 | 13 | 15 | 18 | 15 | 18 | 12 | 11 | 16 | 13 | 7 | 14 | 15 |
| 24 | 14 | 14 | 14 | 17 | 14 | 26 | 22 | 13 | 23 | 14 | 14 | 14 | 12 | 20 | 13 | 16 | 19 | 21 | 12 | 8 | 12 | 5 | 14 | 8 |
| 25 | 42 | 33 | 15 | 13 | 10 | 11 | 17 | 15 | 17 | 16 | 17 | 21 | 13 | 13 | 16 | 11 | 14 | 16 | 15 | 28 | 18 | 17 | 18 | 27 |
| 26 | 43 | 33 | 14 | 9 | 5 | 12 | 11 | 10 | 16 | 15 | 13 | 10 | 10 | 24 | 20 | 22 | 17 | 16 | 25 | 20 | 20 | 23 | 38 | 25 |
| 27 | 9 | 20 | 20 | 14 | 12 | 13 | 7 | 11 | 24 | 11 | 11 | 12 | 9 | 11 | 4 | 8 | 6 | 10 | 17 | 13 | 9 | 22 | 20 | 20 |
| 28 | 76 | 44 | 13 | 17 | 13 | 6 | 4 | 15 | 4 | 0 | 8 | 13 | 7 | 6 | 3 | 7 | 5 | 6 | 1 | 15 | 17 | 4 | 8 | 7 |
| 29 | 27 | 15 | 2 | 1 | 5 | 8 | 12 | 11 | 12 | 6 | 15 | 13 | 14 | 17 | 16 | 19 | 13 | 15 | 14 | 13 | 20 | 15 | 9 | 13 |



Sistema de Informação de Qualidade do Ar

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Março / 2016

| 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 | 31 | 26 | 5 | 9 | 14 | 17 | 9 | 9 | 2 | 13 | 5 | 18 | 4 | 3 | 8 | 8 | 8 | 2 | 12 | 12 | 17 | 18 | 8 | 8 |
| 2 | 24 | 22 | 3 | 3 | 6 | 16 | 21 | 23 | 14 | 10 | 18 | 16 | 9 | 23 | 15 | 18 | 43 | 51 | 18 | 25 | 25 | 20 | 23 | 25 |
| 3 | 42 | 27 | 20 | 16 | 25 | 13 | 13 | 21 | 15 | 13 | 13 | 12 | 10 | 19 | 6 | 9 | 13 | 23 | 15 | 13 | 5 | 12 | 10 | 7 |
| 4 | 11 | 10 | 9 | 3 | 2 | 12 | 13 | 6 | 6 | 12 | 18 | 19 | 13 | 0 | 15 | 14 | 16 | 11 | 29 | 35 | 38 | 23 | 34 | 27 |
| 5 | 29 | 28 | 26 | 12 | 9 | 12 | 7 | 6 | 9 | 11 | 9 | 5 | 4 | 15 | 12 | 10 | 13 | 11 | 38 | 43 | 33 | 29 | 35 | 34 |
| 6 | 45 | 30 | 25 | 28 | 28 | 18 | 22 | 9 | 9 | 9 | 4 | 0 | 6 | 10 | 11 | 21 | 63 | 32 | 22 | 40 | 41 | 46 | 19 | 14 |
| 7 | 25 | 21 | 10 | 11 | 7 | 17 | 7 | 24 | 4 | 17 | 15 | 18 | 6 | 21 | 43 | 67 | 38 | - | 51 | 25 | 24 | 25 | 18 | 16 |
| 8 | 35 | 23 | 15 | 18 | 18 | 23 | 22 | 26 | 12 | 18 | 20 | 29 | 30 | 31 | 42 | 29 | 32 | 25 | 41 | 33 | 26 | 18 | 19 | 24 |
| 9 | 38 | 29 | 15 | 23 | 12 | 14 | 21 | 15 | 15 | 15 | 15 | 26 | 25 | 14 | 19 | 21 | 47 | 59 | 35 | 18 | 24 | 23 | 34 | 27 |
| 10 | 61 | 49 | 58 | 53 | 21 | 20 | 9 | 19 | 15 | 21 | 19 | 5 | 7 | 1 | 14 | 27 | 10 | 22 | 23 | 15 | 11 | 6 | 0 | 5 |
| 11 | 2 | 36 | 10 | 2 | 1 | 3 | 4 | 14 | 6 | 9 | 2 | 2 | 12 | 8 | 4 | 15 | 9 | 19 | 5 | 15 | 16 | 15 | 13 | 14 |
| 12 | 24 | 14 | 19 | 9 | 12 | 19 | 17 | 23 | 9 | 0 | 12 | 2 | 3 | 10 | 9 | 20 | 16 | 20 | 9 | 11 | 12 | 14 | 13 | 5 |
| 13 | 20 | 4 | 10 | 2 | 10 | 10 | 8 | 12 | 15 | 9 | 11 | 13 | 11 | 14 | 20 | 22 | 10 | 3 | 9 | 14 | 4 | 3 | 4 | 5 |
| 14 | 33 | 13 | 0 | 7 | 4 | 4 | 13 | 16 | 7 | 16 | 16 | 20 | 14 | 23 | 23 | 5 | 11 | 9 | 5 | 12 | 12 | 14 | 9 | 19 |
| 15 | 19 | 1 | 9 | 16 | 12 | 18 | 21 | 34 | 20 | 18 | 18 | 23 | 23 | 37 | 31 | 33 | 29 | 33 | 19 | 19 | 18 | 21 | 17 | 6 |
| 16 | 24 | 16 | 12 | 9 | 11 | 12 | 11 | 17 | 14 | 17 | 1 | 15 | 15 | 14 | 17 | 11 | 24 | 28 | 59 | 45 | 20 | 14 | 5 | 7 |
| 17 | 38 | 24 | 16 | 8 | 15 | 13 | 19 | 23 | 5 | 8 | 20 | 11 | 22 | 18 | 19 | 17 | 21 | 18 | 31 | 74 | 27 | 16 | 33 | 23 |
| 18 | 29 | 31 | 25 | 17 | 21 | 15 | 10 | 13 | 15 | 4 | - | - | - | - | 27 | 40 | 28 | 36 | 31 | 32 | 27 | 34 | 29 | 31 |
| 19 | 47 | 31 | 24 | 19 | 20 | 30 | 26 | 33 | 23 | 23 | 12 | 5 | 15 | 23 | 27 | 25 | 45 | 34 | 30 | 20 | 30 | 35 | 21 | 15 |
| 20 | 4 | 19 | 12 | 21 | 25 | 15 | 9 | 16 | 15 | 9 | 7 | 5 | 21 | 40 | 52 | 30 | 23 | 28 | 15 | 24 | 19 | 20 | 20 | 11 |
| 21 | 27 | 7 | 16 | 14 | 17 | 15 | 10 | 20 | 17 | 26 | 16 | 26 | 32 | 26 | 22 | 21 | 24 | 35 | 43 | 35 | 37 | 33 | 53 | 27 |
| 22 | 38 | 46 | 43 | 41 | 52 | 49 | 54 | 60 | 49 | 17 | 14 | 32 | 27 | 25 | 28 | 37 | 29 | 38 | 5 | 25 | 24 | 32 | 19 | 23 |
| 23 | 51 | 32 | 22 | 24 | 17 | 20 | 17 | 29 | 18 | 7 | 28 | 23 | 18 | 15 | 34 | 26 | 16 | 16 | 7 | 16 | 9 | 3 | 5 | 11 |
| 24 | 32 | 18 | 17 | 6 | 9 | 13 | 14 | 14 | 18 | 19 | 17 | 19 | 15 | 18 | 27 | 13 | 27 | 26 | 12 | 21 | 8 | 9 | 18 | 17 |
| 25 | 33 | 13 | 9 | 12 | 15 | 12 | 10 | 7 | 21 | 9 | 1 | 13 | 10 | 8 | 8 | 15 | 22 | 36 | 7 | 3 | 8 | 9 | 5 | 13 |
| 26 | 28 | 23 | 18 | 18 | 10 | 0 | 14 | 16 | 9 | 2 | 3 | 11 | 11 | 11 | 42 | 46 | 49 | 32 | 24 | 45 | 40 | 32 | 24 | 16 |
| 27 | 45 | 22 | 5 | 8 | 18 | 11 | 15 | 13 | 3 | 5 | 0 | 8 | 8 | 6 | 7 | 7 | 9 | 3 | 23 | 29 | 39 | 19 | 19 | 11 |
| 28 | 45 | 35 | 28 | 15 | 29 | 25 | 21 | 25 | 31 | 18 | 25 | 15 | 15 | 10 | 11 | 25 | 19 | 29 | 26 | 21 | 17 | 30 | 27 | 28 |
| 29 | 32 | 13 | 6 | 17 | 17 | 23 | 16 | 16 | 16 | 13 | 5 | 11 | 15 | 25 | 25 | 16 | 34 | 32 | 30 | 28 | 17 | 23 | 19 | 25 |
| 30 | 49 | 28 | 24 | 23 | 19 | 3 | 5 | 14 | 22 | 27 | 27 | 28 | 37 | 24 | 26 | 36 | 29 | 20 | 24 | 15 | 21 | 24 | 20 | 24 |
| 31 | 45 | 32 | 18 | 32 | 30 | 21 | 35 | 46 | 33 | 36 | 18 | 23 | 26 | 35 | 37 | 28 | 41 | 42 | 42 | 24 | 35 | 26 | 22 | 27 |



Sistema de Informação de Qualidade do Ar

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Abril / 2016

| 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 | 58 | 53 | 33 | 27 | 18 | 26 | 24 | 29 | 23 | 13 | 19 | 19 | 14 | 23 | 17 | 25 | 27 | 30 | 31 | 24 | 15 | 19 | 11 | 15 |
| 2 | 36 | 24 | 9 | 24 | 15 | 19 | 36 | 18 | 32 | 20 | 23 | 24 | 29 | 36 | 35 | 46 | 40 | 49 | 47 | 33 | 26 | 23 | 33 | 37 |
| 3 | 70 | 53 | 43 | 159 | 85 | 28 | 37 | 27 | 29 | 12 | 15 | 18 | 20 | 19 | 17 | 19 | 35 | 36 | 39 | 39 | 44 | 42 | 31 | 35 |
| 4 | 64 | 44 | 27 | 42 | 23 | 25 | 24 | 28 | 32 | 5 | 2 | 14 | 32 | 27 | 24 | 26 | 30 | 40 | 36 | 28 | 24 | 20 | 18 | 19 |
| 5 | 40 | 21 | 18 | 21 | 10 | 11 | 16 | 23 | 12 | 19 | 16 | 15 | 18 | 13 | 32 | 28 | 28 | 28 | 24 | 32 | 28 | 21 | 18 | 7 |
| 6 | 44 | 25 | 16 | 18 | 15 | 17 | 20 | 19 | 26 | 24 | 20 | 28 | 39 | 41 | 29 | 45 | 53 | 62 | 65 | 48 | 46 | 59 | 47 | 44 |
| 7 | 61 | 56 | 50 | 92 | 77 | 38 | 30 | 49 | 47 | 46 | 27 | 36 | 22 | 21 | 11 | 16 | 26 | 29 | 30 | 41 | 44 | 43 | 46 | 47 |
| 8 | 66 | 53 | 48 | 31 | 24 | 23 | 25 | 31 | 31 | 31 | 8 | 22 | 16 | 24 | 19 | 34 | 36 | 33 | 42 | 52 | 63 | 55 | 59 | 53 |
| 9 | 89 | 61 | 49 | 55 | 56 | 64 | 63 | 47 | 36 | 30 | 27 | 25 | 31 | 25 | 18 | 28 | 49 | 56 | 55 | 56 | 45 | 53 | 53 | 60 |
| 10 | 74 | 76 | 72 | 66 | 64 | 51 | 51 | 32 | 33 | 28 | 33 | 37 | 35 | 51 | 57 | 39 | 17 | 35 | 33 | 24 | 24 | 17 | 25 | 24 |
| 11 | 39 | 35 | 31 | 27 | 28 | 24 | 28 | 34 | 41 | 27 | 31 | 44 | 49 | 42 | 34 | 35 | 52 | 36 | 44 | 43 | 37 | 29 | 27 | 21 |
| 12 | 32 | 36 | 29 | 24 | 16 | 26 | 20 | 28 | 22 | 32 | 13 | 0 | - | - | - | 50 | 76 | 56 | 54 | 39 | 30 | 14 | 20 | 11 |
| 13 | 32 | 23 | 14 | 22 | 19 | 23 | 33 | 24 | 23 | 22 | 30 | 31 | 32 | 36 | 36 | 48 | 61 | 49 | - | 51 | 50 | 40 | 42 | 38 |
| 14 | 55 | 50 | 35 | 32 | 33 | 31 | 31 | 31 | 26 | 34 | 30 | 20 | 23 | 27 | 24 | 24 | 31 | 38 | 48 | 59 | 53 | 49 | 55 | 53 |
| 15 | 48 | 67 | 61 | 57 | 59 | 53 | 42 | 52 | 50 | 38 | 23 | 15 | 31 | 32 | 21 | 60 | 61 | 59 | 53 | 38 | 45 | 42 | 43 | 46 |
| 16 | 59 | 56 | 50 | 50 | 41 | 37 | 42 | 41 | 37 | 31 | 36 | 28 | 26 | 28 | 19 | 41 | 51 | 44 | 52 | 60 | 54 | 56 | 50 | 45 |
| 17 | 63 | 55 | 53 | 52 | 42 | 50 | 50 | 38 | 30 | 28 | 15 | 15 | 19 | 24 | 16 | 17 | 28 | 41 | 60 | 52 | 62 | 60 | 63 | 64 |
| 18 | 84 | 61 | 40 | 31 | 27 | 26 | 36 | 27 | 36 | 25 | 27 | 31 | 21 | 21 | 26 | 25 | 35 | 51 | 41 | 45 | 38 | 22 | 22 | 29 |
| 19 | 38 | 31 | 25 | 22 | 22 | 21 | 19 | 25 | 27 | 23 | 21 | 36 | 26 | 23 | 25 | 27 | 24 | 29 | 52 | 52 | 43 | 42 | 38 | 43 |
| 20 | 64 | 38 | 29 | 30 | 27 | 27 | 28 | 34 | 35 | 28 | 33 | 30 | 24 | 20 | 12 | 24 | 45 | 52 | 44 | 32 | 34 | 51 | 57 | 43 |
| 21 | 63 | 48 | 42 | 34 | 32 | 38 | 41 | 42 | 46 | 42 | 21 | 26 | 17 | 14 | 25 | 24 | 18 | 28 | 29 | 46 | 72 | 100 | 89 | 80 |
| 22 | 110 | 98 | 80 | 65 | 70 | 58 | 57 | 56 | 49 | 44 | 46 | 35 | 19 | 22 | 32 | 48 | 36 | 40 | 39 | 32 | 29 | 20 | 18 | 23 |
| 23 | 32 | 31 | 30 | 28 | 27 | 26 | 22 | 28 | 37 | 31 | 28 | 21 | 25 | 23 | 17 | 22 | 24 | 28 | 31 | 66 | 68 | 60 | 78 | 66 |
| 24 | 81 | 68 | 54 | 57 | 44 | 35 | 37 | 32 | 38 | 24 | 28 | 20 | 23 | 21 | 19 | 21 | 29 | 26 | 23 | 48 | 55 | 61 | 54 | 44 |
| 25 | 72 | 46 | 38 | 43 | 37 | 33 | 34 | 46 | 40 | 31 | 31 | 30 | 51 | 35 | 37 | 41 | 37 | 43 | 33 | 46 | 47 | 52 | 56 | 43 |
| 26 | 61 | 44 | 36 | 33 | 35 | 31 | 33 | 32 | 34 | 17 | 20 | 17 | 25 | 31 | 41 | 45 | 30 | 14 | 16 | 19 | 12 | 13 | 12 | 9 |
| 27 | 24 | 9 | 15 | 4 | 6 | 6 | 12 | 31 | 22 | 3 | 11 | 6 | 12 | 2 | 9 | 4 | 2 | 4 | 8 | 11 | 6 | 4 | 9 | 4 |
| 28 | 22 | 11 | 5 | 6 | 13 | 15 | 3 | 13 | 7 | 1 | 13 | 6 | 18 | 26 | 22 | 22 | 33 | 33 | 19 | 18 | 19 | 13 | 6 | 3 |
| 29 | 10 | 19 | 13 | 6 | 9 | 5 | 12 | 15 | 20 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 30 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Maio / 2016

| 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 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | - | - | - | - | - | - | - | - | - | - | 9 | 17 | 21 | 25 | 35 | 32 | 29 | 39 | 32 | 31 | 25 | 20 | 20 | 7 |
| 3 | 19 | 16 | 13 | 21 | 15 | 23 | 23 | 21 | 17 | 22 | 26 | 29 | 40 | 38 | 36 | 45 | 39 | 43 | 33 | 34 | 36 | 32 | 25 | 31 |
| 4 | 60 | 54 | 42 | 30 | 35 | 34 | 57 | 65 | 45 | 32 | 10 | 20 | 9 | 26 | 18 | 17 | 32 | 24 | 16 | 18 | 24 | 16 | 17 | 10 |
| 5 | 60 | 40 | 21 | 29 | 30 | 25 | 33 | 44 | 43 | 18 | 23 | 16 | 22 | 18 | 20 | 28 | 28 | 33 | 30 | 29 | 35 | 28 | 19 | 18 |
| 6 | 41 | 30 | 23 | 12 | 24 | 27 | 18 | 26 | 25 | 30 | 24 | 38 | 39 | 31 | 33 | 38 | 44 | 57 | 46 | 41 | 37 | 49 | 43 | 51 |
| 7 | 91 | 71 | 45 | 36 | 29 | 28 | 33 | 34 | 35 | 38 | 35 | 49 | 49 | 47 | 43 | 36 | 28 | 28 | 20 | 21 | 17 | 12 | 19 | 22 |
| 8 | 38 | 36 | 25 | 23 | 24 | 14 | 19 | 15 | 22 | 14 | 13 | 16 | 24 | 28 | 19 | 18 | 23 | 23 | 19 | 25 | 22 | 19 | 23 | 23 |
| 9 | 53 | 41 | 48 | 46 | 42 | 25 | 32 | 31 | 35 | 28 | 46 | 39 | 50 | 33 | 28 | 37 | 47 | 32 | 29 | 35 | 33 | 34 | 36 | 50 |
| 10 | 70 | 63 | 69 | 52 | 46 | 36 | 8 | 19 | 14 | 14 | 11 | 16 | 20 | 30 | 41 | 19 | 29 | 18 | 18 | 22 | 15 | 17 | 17 | 16 |
| 11 | 42 | 21 | 18 | 16 | 9 | 27 | 26 | 32 | 5 | 22 | 13 | 13 | 12 | 6 | 11 | 17 | 15 | 16 | 18 | 20 | 5 | 5 | 13 | 9 |
| 12 | 41 | 35 | 9 | 6 | 8 | 10 | 9 | 6 | 12 | 0 | 3 | 3 | 4 | 17 | 5 | 6 | 1 | 10 | 14 | 7 | 12 | 5 | 4 | 8 |
| 13 | 40 | 13 | 5 | 5 | 8 | 4 | 5 | 14 | 13 | 14 | 6 | 8 | 14 | 16 | 5 | 13 | 8 | 14 | 14 | 14 | 18 | 13 | 10 | 11 |
| 14 | 17 | 12 | 10 | 17 | 10 | 10 | 11 | 9 | 5 | 6 | 11 | 6 | 16 | 30 | 29 | 18 | 23 | 30 | 22 | 19 | 21 | 13 | 13 | 18 |
| 15 | 23 | 24 | 17 | 11 | 15 | 14 | 11 | 14 | 19 | 4 | 11 | 21 | 15 | 22 | 21 | 28 | 26 | 29 | 27 | 34 | 44 | 43 | 46 | 43 |
| 16 | 48 | 34 | 15 | 20 | 17 | 21 | 34 | 12 | 22 | 21 | 16 | 19 | 14 | 22 | 27 | 30 | 30 | 43 | 21 | 18 | 20 | 21 | 23 | 11 |
| 17 | 24 | 5 | 2 | 4 | 1 | 5 | 5 | 18 | 16 | 12 | 5 | 11 | 14 | 20 | 22 | 14 | 23 | 27 | 23 | 18 | 22 | 19 | 24 | 23 |
| 18 | 30 | 6 | 8 | 12 | 9 | 18 | 14 | 6 | 13 | 13 | 4 | 15 | 20 | 19 | 11 | 15 | 11 | 15 | 15 | 9 | 6 | 5 | 11 | 2 |
| 19 | 28 | 7 | 2 | 1 | 4 | 9 | 0 | 9 | 2 | 10 | 9 | 8 | 11 | 1 | 6 | 7 | 0 | 5 | 8 | 5 | 13 | 11 | 7 | 1 |
| 20 | 19 | 11 | 1 | 4 | 8 | 10 | 10 | 24 | 16 | 10 | 27 | 18 | 13 | 24 | 32 | 30 | 41 | 40 | 40 | 38 | 44 | 49 | 49 | 60 |
| 21 | 61 | 22 | 3 | 5 | 10 | 9 | 1 | 14 | 14 | 3 | 7 | 14 | 12 | 5 | 5 | 5 | 11 | 15 | 17 | 13 | 17 | 14 | 23 | 20 |
| 22 | 32 | 19 | 22 | 14 | 21 | 24 | 18 | 18 | 3 | 4 | 13 | 8 | 3 | 12 | 19 | 7 | 24 | 26 | 20 | 35 | 43 | 22 | 16 | 16 |
| 23 | 26 | 9 | 4 | 0 | 4 | 4 | 6 | 9 | 3 | 6 | 6 | 0 | 6 | 9 | 2 | 12 | 22 | 15 | 9 | 11 | 10 | 17 | 12 | 5 |
| 24 | 18 | 13 | 11 | 18 | 9 | 1 | 2 | 8 | 4 | 18 | 7 | 18 | 14 | 23 | 20 | 24 | 24 | 23 | 21 | 19 | 15 | 20 | 14 | 16 |
| 25 | 28 | 18 | 12 | 7 | 2 | 8 | 10 | 11 | 17 | 5 | 12 | 16 | 11 | 24 | 21 | 23 | 22 | 27 | 24 | 31 | 19 | 14 | 21 | 29 |
| 26 | 33 | 21 | 20 | 17 | 20 | 17 | 22 | 23 | 29 | 25 | 26 | 21 | 29 | 23 | 20 | 25 | 26 | 39 | 43 | 26 | 24 | 12 | 17 | 14 |
| 27 | 37 | 27 | 16 | 20 | 30 | 39 | 40 | 27 | 43 | 44 | 44 | 43 | 31 | 32 | 36 | 38 | 39 | 47 | 23 | 7 | 12 | 9 | 0 | 9 |
| 28 | 23 | 16 | 8 | 7 | 3 | 2 | 6 | 3 | 7 | 4 | 7 | 7 | 13 | 16 | 24 | 26 | 12 | 13 | 21 | 23 | 14 | 12 | 22 | 24 |
| 29 | 35 | 31 | 13 | 17 | 15 | 15 | 24 | 25 | 25 | 24 | 18 | 11 | 23 | 19 | 29 | 19 | 18 | 15 | 16 | 17 | 13 | 18 | 12 | 20 |
| 30 | 45 | 17 | 7 | 7 | 16 | 14 | 13 | 9 | 10 | 11 | 17 | 19 | 23 | 17 | 8 | 8 | 11 | 13 | 9 | 12 | 16 | 12 | 7 | 10 |
| 31 | 13 | 17 | 9 | 5 | 0 | 12 | 10 | 5 | 9 | 11 | 8 | 7 | 15 | 12 | 13 | 17 | 17 | 11 | 26 | 27 | 35 | 19 | 27 | 16 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Junho / 2016

| 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 | 36 | 19 | 9 | 12 | 9 | 21 | 13 | 16 | 22 | 25 | 19 | 19 | 19 | 21 | 17 | 16 | 17 | 21 | 32 | 50 | 52 | 32 | 16 | 12 |
| 2 | 26 | 16 | 5 | 12 | 4 | 1 | 8 | 7 | 3 | 5 | 12 | 10 | 7 | 2 | 12 | 17 | 2 | 33 | 11 | 10 | 8 | 10 | 17 | 5 |
| 3 | 26 | 17 | 1 | 5 | 3 | 4 | 5 | 8 | 9 | 4 | 5 | 4 | 16 | 3 | 12 | 5 | 19 | 19 | 14 | 7 | 11 | 6 | 8 | 7 |
| 4 | 28 | 18 | 7 | 9 | 11 | 1 | 1 | 1 | 6 | 12 | 24 | 25 | 33 | 30 | 36 | 40 | 24 | 5 | 11 | 19 | 22 | 17 | 17 | 24 |
| 5 | 69 | 35 | 25 | 8 | 4 | 2 | 9 | 4 | 1 | 6 | 3 | 12 | 8 | 4 | 8 | 17 | 10 | 6 | 8 | 7 | 11 | 7 | 14 | 5 |
| 6 | 11 | 17 | 2 | 5 | 11 | 4 | 3 | 10 | 4 | 8 | 13 | 11 | 7 | 27 | 17 | 22 | 17 | 9 | 10 | 7 | 5 | 0 | 6 | 1 |
| 7 | 19 | 12 | 1 | 1 | 2 | 2 | 1 | 8 | 0 | 0 | 3 | 1 | 2 | 3 | 13 | 4 | 5 | 16 | 15 | 5 | 17 | 15 | 16 | 15 |
| 8 | 38 | 20 | 4 | 9 | 10 | 11 | 6 | 5 | 10 | 7 | 5 | 7 | 6 | 8 | 12 | 15 | 10 | 21 | 29 | 28 | 20 | 34 | 31 | 27 |
| 9 | 35 | 26 | 20 | 14 | 24 | 42 | 24 | 27 | 7 | 5 | 3 | 8 | 8 | 10 | 13 | 17 | 19 | 30 | 16 | 20 | 23 | 26 | 22 | 30 |
| 10 | 66 | 47 | 21 | 24 | 19 | 31 | 31 | 21 | 33 | 34 | 34 | 26 | 40 | 42 | 28 | 26 | 39 | 28 | 16 | 17 | 16 | 21 | 19 | 21 |
| 11 | 45 | 28 | 23 | 11 | 10 | 30 | 29 | 23 | 24 | 28 | 18 | 3 | 8 | 12 | 9 | 18 | 20 | 34 | 21 | 21 | 29 | 22 | 32 | 39 |
| 12 | 60 | 48 | 46 | 31 | 28 | 28 | 21 | 20 | 40 | 57 | 15 | 0 | 7 | 13 | 12 | 16 | 20 | 29 | 9 | 24 | 19 | 22 | 23 | 25 |
| 13 | 41 | 40 | 29 | 31 | 9 | 1 | 13 | 5 | 19 | 20 | 14 | 19 | 12 | 20 | 19 | 33 | 30 | 25 | 13 | 20 | 27 | 24 | 19 | 18 |
| 14 | 17 | 17 | 17 | 18 | 17 | 13 | 11 | 12 | 19 | 23 | 8 | 17 | 28 | 15 | 30 | 33 | 42 | 41 | 36 | 37 | 38 | 38 | 39 | 36 |
| 15 | 65 | 72 | 44 | 35 | 30 | 16 | 24 | 25 | 24 | 26 | 32 | 37 | 42 | 38 | 38 | 21 | 23 | 46 | 55 | 53 | 61 | 57 | 47 | 53 |
| 16 | 94 | 73 | 71 | 76 | 74 | 65 | 45 | 56 | 39 | 35 | 44 | 38 | 36 | 41 | 33 | 36 | 34 | 39 | 43 | 63 | 63 | 83 | 84 | 83 |
| 17 | 96 | 85 | 71 | 56 | 52 | 45 | 47 | 50 | 37 | 32 | 36 | 42 | 37 | 26 | 22 | 18 | 28 | 26 | 38 | 50 | 77 | 82 | 92 | 91 |
| 18 | 94 | 122 | 115 | 89 | 76 | 88 | 53 | 20 | 18 | 25 | 16 | 30 | 11 | 16 | 27 | 24 | 15 | 8 | 3 | 3 | 9 | 14 | 16 | 17 |
| 19 | 51 | 35 | 23 | 10 | 13 | 13 | 10 | 14 | 16 | 22 | 16 | 10 | 17 | 16 | 20 | 30 | 55 | 25 | 9 | 12 | 13 | 15 | 6 | 10 |
| 20 | 33 | 13 | 5 | 4 | 0 | 4 | 6 | 1 | 8 | 11 | 9 | 4 | 3 | 1 | 8 | 4 | 9 | 11 | 1 | 4 | 5 | 7 | 4 | 4 |
| 21 | 24 | 12 | 1 | 0 | 1 | 2 | 0 | 2 | 1 | 8 | 6 | 0 | 7 | 4 | 3 | 3 | 9 | 6 | 3 | 6 | 6 | 5 | 10 | 4 |
| 22 | 26 | 19 | 13 | 15 | 7 | 1 | 19 | 17 | 11 | 16 | 16 | 25 | 27 | 40 | 25 | 18 | 13 | 6 | 7 | 10 | 14 | 14 | 21 | 24 |
| 23 | 29 | 31 | 31 | 32 | 32 | 40 | 43 | 22 | 21 | 35 | 43 | 34 | 49 | 56 | 39 | 27 | 16 | 11 | 12 | 10 | 5 | 8 | 5 | 2 |
| 24 | 2 | 8 | 18 | 15 | 34 | 34 | 12 | 19 | 29 | 15 | 33 | 23 | 18 | 29 | 25 | 54 | 57 | 27 | 40 | 37 | 36 | 19 | 18 | 22 |
| 25 | 24 | 32 | 21 | 30 | 25 | 17 | 26 | 23 | 26 | 22 | 14 | 23 | 28 | 22 | 23 | 39 | 42 | 29 | 21 | 18 | 29 | 25 | 32 | 33 |
| 26 | 64 | 46 | 35 | 24 | 21 | 23 | 21 | 25 | 22 | 15 | 10 | 19 | 11 | 4 | 18 | 34 | 40 | 37 | 23 | 27 | 26 | 23 | 36 | 33 |
| 27 | 61 | 48 | 43 | 38 | 41 | 27 | 17 | 14 | 12 | 13 | 24 | 18 | 15 | 25 | 14 | 21 | 41 | 45 | 32 | 29 | 27 | 22 | 28 | 31 |
| 28 | 53 | 56 | 36 | 47 | 30 | 25 | 28 | 30 | 30 | 42 | 31 | 17 | 26 | 35 | 21 | 32 | 24 | 30 | 45 | 35 | 35 | 43 | 37 | 40 |
| 29 | 73 | 75 | 54 | 48 | 45 | 34 | 37 | 24 | 18 | 30 | 18 | 20 | 32 | 20 | 30 | 23 | 23 | 25 | 49 | 74 | 55 | 47 | 37 | 33 |
| 30 | 50 | 42 | 49 | 37 | 28 | 25 | 24 | 16 | 27 | 30 | 36 | 31 | 27 | 25 | 19 | 25 | 25 | 29 | 46 | 48 | 34 | 29 | 35 | 27 |

RELATÓRIO MENSAL DADOS

6 - ALTO TIETE - Interlagos

MP10 (Partículas Inaláveis)

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

Julho / 2016

| 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 | 34 | 28 | 19 | 13 | 18 | 34 | 36 | 35 | 31 | 22 | 15 | 21 | 29 | 8 | 40 | 39 | 34 | 18 | 24 | 14 | 27 | 38 | 43 |
| 2 | 58 | 59 | 38 | 39 | 28 | 16 | 21 | 25 | 21 | 23 | 18 | 14 | 17 | 16 | 15 | 17 | 14 | 22 | 40 | 48 | 49 | 45 | 43 | 61 |
| 3 | 86 | 69 | 55 | 61 | 50 | 31 | 21 | 27 | 19 | 25 | 13 | 9 | 15 | 14 | 7 | 22 | 15 | 29 | 64 | 82 | 49 | 35 | 29 | 40 |
| 4 | 53 | 45 | 24 | 7 | 23 | 15 | 19 | 18 | 20 | 32 | 35 | 29 | 28 | 25 | 22 | 25 | 19 | 22 | 31 | 49 | 46 | 42 | 52 | 57 |
| 5 | 85 | 74 | 57 | 48 | 39 | 36 | 28 | 31 | 25 | 29 | 27 | 38 | 37 | 32 | 35 | 21 | 28 | 20 | 31 | 34 | 53 | 33 | 37 | 37 |
| 6 | 67 | 52 | 53 | 45 | 28 | 15 | 20 | 25 | 27 | 29 | 46 | 46 | 35 | 41 | 64 | 64 | 52 | 53 | 57 | 64 | 63 | 62 | 27 | 22 |
| 7 | 44 | 17 | 13 | 13 | 2 | 15 | 10 | 6 | 9 | 27 | 28 | 28 | 19 | 22 | 29 | 22 | 20 | 22 | 31 | 37 | 39 | 34 | 36 | 34 |
| 8 | 57 | 39 | 28 | 21 | 27 | 16 | 24 | 30 | 33 | 29 | 24 | 21 | 22 | 12 | 19 | 38 | 40 | 39 | 37 | 33 | 36 | 37 | 37 | 29 |
| 9 | 41 | 42 | 43 | 37 | 34 | 33 | 29 | 26 | 23 | 31 | 36 | 48 | 41 | 28 | 35 | 36 | 45 | 41 | 60 | 86 | 104 | 96 | 99 | 96 |
| 10 | 108 | 114 | 86 | 82 | 87 | 76 | 70 | 65 | 47 | 51 | 41 | 41 | 29 | 29 | 19 | 22 | 19 | 30 | 41 | 31 | 49 | 74 | 81 | 68 |
| 11 | 88 | 92 | 73 | 63 | 44 | 38 | 42 | 44 | 44 | 45 | 53 | 45 | 41 | 40 | 34 | 30 | 31 | 47 | 51 | 51 | 62 | 57 | 62 | 60 |
| 12 | 76 | 50 | 46 | 40 | 43 | 37 | 39 | 47 | 35 | 33 | 41 | 38 | 36 | 59 | 37 | 46 | 44 | 36 | 40 | 46 | 55 | 78 | 85 | 40 |
| 13 | 22 | 18 | 16 | 16 | 15 | 21 | 23 | 17 | 19 | 16 | 20 | 17 | 28 | 33 | 43 | 44 | 58 | 64 | 68 | 68 | 69 | 62 | 64 | 70 |
| 14 | 91 | 90 | 80 | 85 | 78 | 67 | 56 | 60 | 52 | 46 | 50 | 45 | 40 | 33 | 40 | 34 | 39 | 46 | 57 | 60 | 63 | 50 | 55 | 63 |
| 15 | 93 | 62 | 49 | 57 | 58 | 48 | 53 | 54 | 49 | 50 | 50 | 44 | 44 | 48 | 34 | 37 | 43 | 37 | 46 | 52 | 61 | 65 | 61 | 68 |
| 16 | 80 | 61 | 53 | 54 | 41 | 43 | 38 | 43 | 46 | 50 | 42 | 51 | 53 | 49 | 18 | 4 | 12 | 10 | 17 | 18 | 12 | 5 | 4 | 2 |
| 17 | 16 | 14 | 3 | 10 | 1 | 11 | 5 | 4 | 6 | 5 | 2 | 9 | 5 | 10 | 17 | 15 | 12 | 18 | 14 | 16 | 34 | 20 | 23 | 15 |
| 18 | 37 | 26 | 14 | 10 | 6 | 7 | 12 | 12 | 12 | 18 | 19 | 20 | 11 | 22 | 27 | 29 | 28 | 21 | 23 | 19 | 21 | 11 | 17 | 25 |
| 19 | 51 | 26 | 19 | 21 | 14 | 24 | 13 | 24 | 15 | 15 | 16 | 21 | 23 | 32 | 30 | 35 | 50 | 42 | 41 | 38 | 33 | 18 | 26 | 28 |
| 20 | 41 | 44 | 48 | 44 | 42 | 31 | 27 | 23 | 26 | 15 | 3 | 6 | 4 | 4 | 8 | 11 | 6 | 15 | 13 | 8 | 11 | 10 | 18 | 13 |
| 21 | 56 | 29 | 21 | 16 | 22 | 21 | 24 | 31 | 28 | 25 | 15 | 17 | 19 | 17 | 11 | 16 | 17 | 11 | 23 | 19 | 19 | 21 | 15 | 9 |
| 22 | 61 | 44 | 19 | 16 | 23 | 7 | 29 | 22 | 21 | 17 | 32 | 25 | 23 | 9 | 22 | 21 | 22 | 30 | 25 | 23 | 22 | 18 | 24 | 26 |
| 23 | 68 | 38 | 21 | 21 | 18 | 15 | 16 | 19 | 11 | 22 | 20 | 26 | 32 | 28 | 28 | 40 | 52 | 47 | 35 | 34 | 34 | 42 | 51 | 53 |
| 24 | 69 | 53 | 42 | 39 | 40 | 38 | 39 | 37 | 26 | 21 | 25 | 24 | 23 | 29 | 27 | 32 | 47 | 57 | 47 | 47 | 50 | 45 | 39 | 38 |
| 25 | 36 | 50 | 57 | 51 | 45 | 46 | 44 | 49 | 57 | 53 | 39 | 29 | 29 | 29 | 32 | 26 | 41 | 31 | 40 | 57 | 71 | 68 | 67 | 67 |
| 26 | 74 | 62 | 44 | 39 | 39 | 43 | 47 | 48 | 58 | 58 | 62 | 42 | 26 | 31 | 31 | 33 | 27 | 26 | 33 | 37 | 46 | 44 | 44 | 46 |
| 27 | 59 | 40 | 34 | 40 | 40 | 42 | 40 | 42 | 51 | 52 | 73 | 39 | 34 | 49 | 40 | 36 | 42 | 30 | 19 | 21 | 19 | 19 | 23 | 4 |
| 28 | 21 | 17 | 14 | 8 | 8 | 21 | 21 | 16 | 11 | 10 | 22 | 16 | 29 | 36 | 41 | 36 | 29 | 27 | 23 | 21 | 26 | 26 | 23 | 16 |
| 29 | 59 | 40 | 25 | 20 | 21 | 17 | 19 | 15 | 13 | 17 | 11 | 31 | 38 | 26 | 16 | 18 | 13 | 15 | 16 | 13 | 9 | 14 | 7 | 6 |
| 30 | 23 | 30 | 19 | 21 | 26 | 20 | 20 | 13 | 14 | 20 | 23 | 21 | 26 | 22 | 40 | 55 | 44 | 42 | 34 | 27 | 40 | 27 | 33 | 34 |
| 31 | 48 | 53 | 38 | 39 | 19 | 35 | 32 | 37 | 33 | 38 | 30 | 22 | 23 | 32 | 35 | 35 | 56 | 65 | 52 | 41 | 41 | 33 | 41 | 37 |