

REPÚBLICA ORIENTAL DEL URUGUAY
ARMADA NACIONAL
SERVICIO DE OCEANOGRAFÍA HIDROGRAFÍA Y METEOROLOGÍA DE LA ARMADA



**TABLAS
DE
MAREAS
2023**

MONTEVIDEO

PUBLICACIÓN N° 3

36ª EDICIÓN 2022

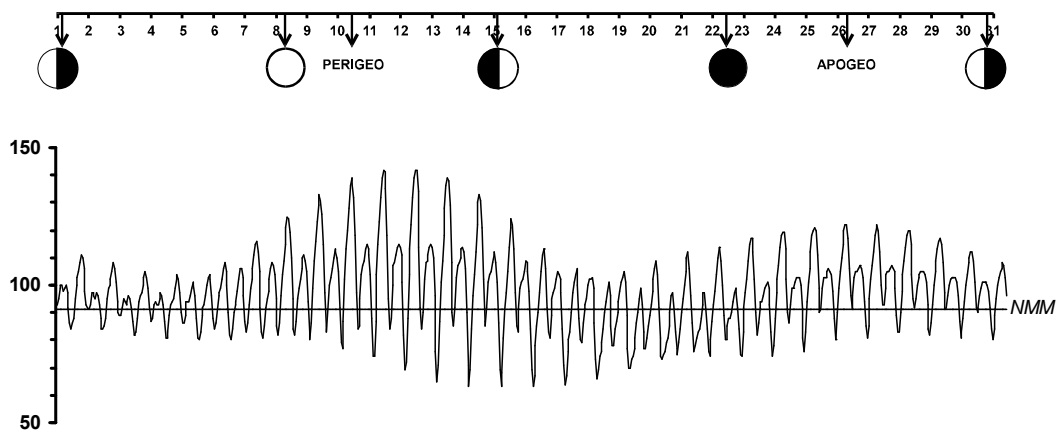
ISSN 1510-7833

PUERTO DE MONTEVIDEO

| | |
|---------------------------------|--------------------------------------|
| Latitud | 34° 54' 12" S |
| Longitud | 56° 15' 23" W |
| Huso Horario | + 3 |
| Régimen de marea | Semidiurno con desigualdades diurnas |
| Establecimiento de Puerto Medio | 0 h 09 m |
| Nivel Medio | 91 cm |
| Carta de Referencia | N° 41 edición Octubre 2017 |

Alturas en centímetros referidas al Plano de Reducción de la carta de referencia. El Plano de Reducción coincide con el cero de la escala del Puerto de Montevideo y el cero de la escala del Puerto de Montevideo coincide con el Plano Hidrométrico Provisorio (Ex-Wharton).

| Alturas en centímetros sobre el plano de reducción | | | | | Amplitudes | |
|--|-----------|-------------|-----------|-------------|------------|-------------|
| Marea | Pleamares | | Bajamares | | Sicigias | Cuadraturas |
| | Sicigias | Cuadraturas | Sicigias | Cuadraturas | | |
| Equinocciales de perigeo | 115 | 94 | 67 | 88 | 48 | 6 |
| De Perigeo | 114 | 95 | 68 | 87 | 46 | 8 |
| Medias | 108 | 101 | 74 | 81 | 34 | 20 |



PUERTO DE MONTEVIDEO

ENERO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | 104 | 92 | 86 | 88 | 93 | 93 | 91 | 93 | 96 | 97 | 96 | 94 | 86 | 75 | 66 | 67 | 75 | 80 | 84 | 90 | 99 | 106 | 109 | 112 | |
| 2 | 109 | 99 | 88 | 83 | 86 | 90 | 89 | 88 | 91 | 94 | 95 | 96 | 94 | 86 | 74 | 66 | 67 | 73 | 75 | 78 | 84 | 92 | 97 | 102 | |
| 3 | 106 | 103 | 93 | 83 | 80 | 84 | 86 | 85 | 87 | 91 | 94 | 95 | 97 | 96 | 86 | 75 | 68 | 68 | 72 | 73 | 75 | 81 | 87 | 92 | |
| 4 | 98 | 101 | 97 | 88 | 81 | 79 | 82 | 84 | 85 | 88 | 92 | 95 | 98 | 100 | 97 | 87 | 77 | 71 | 70 | 72 | 73 | 77 | 81 | 86 | |
| 5 | 91 | 96 | 98 | 92 | 85 | 80 | 78 | 81 | 84 | 87 | 92 | 96 | 100 | 103 | 104 | 99 | 89 | 81 | 75 | 74 | 75 | 78 | 81 | 85 | |
| 6 | 89 | 93 | 96 | 96 | 90 | 85 | 80 | 78 | 82 | 87 | 92 | 97 | 102 | 105 | 108 | 107 | 101 | 93 | 86 | 79 | 78 | 82 | 85 | 88 | |
| 7 | 90 | 93 | 96 | 97 | 96 | 91 | 86 | 80 | 80 | 86 | 93 | 99 | 103 | 108 | 111 | 112 | 110 | 105 | 97 | 89 | 83 | 85 | 90 | 93 | |
| 8 | 94 | 96 | 99 | 100 | 100 | 97 | 93 | 87 | 82 | 84 | 92 | 99 | 105 | 110 | 114 | 117 | 116 | 114 | 108 | 100 | 92 | 88 | 93 | 98 | |
| 9 | 100 | 100 | 102 | 103 | 103 | 103 | 99 | 94 | 87 | 85 | 90 | 99 | 105 | 111 | 115 | 120 | 121 | 120 | 117 | 109 | 101 | 94 | 94 | 100 | |
| 10 | 103 | 104 | 105 | 106 | 107 | 106 | 105 | 99 | 93 | 88 | 89 | 96 | 104 | 110 | 115 | 120 | 124 | 124 | 123 | 118 | 108 | 100 | 97 | 100 | |
| 11 | 105 | 106 | 107 | 108 | 108 | 108 | 107 | 104 | 97 | 90 | 89 | 93 | 101 | 108 | 113 | 119 | 123 | 126 | 127 | 124 | 115 | 105 | 100 | 100 | |
| 12 | 103 | 106 | 107 | 108 | 107 | 107 | 107 | 106 | 101 | 92 | 88 | 90 | 96 | 104 | 110 | 115 | 120 | 124 | 127 | 127 | 122 | 111 | 101 | 99 | |
| 13 | 101 | 104 | 106 | 106 | 106 | 105 | 105 | 104 | 102 | 94 | 86 | 86 | 91 | 97 | 104 | 110 | 116 | 120 | 123 | 125 | 124 | 116 | 105 | 98 | |
| 14 | 98 | 100 | 103 | 104 | 104 | 103 | 102 | 101 | 100 | 95 | 87 | 81 | 83 | 89 | 96 | 104 | 109 | 114 | 117 | 120 | 122 | 119 | 110 | 100 | |
| 15 | 95 | 96 | 98 | 101 | 102 | 101 | 100 | 98 | 97 | 95 | 89 | 81 | 77 | 80 | 86 | 95 | 102 | 107 | 111 | 113 | 116 | 116 | 113 | 104 | |
| 16 | 95 | 92 | 93 | 97 | 100 | 101 | 99 | 97 | 96 | 95 | 91 | 86 | 78 | 74 | 77 | 83 | 93 | 99 | 103 | 106 | 109 | 111 | 111 | 108 | |
| 17 | 100 | 91 | 89 | 91 | 96 | 100 | 100 | 99 | 97 | 96 | 95 | 91 | 85 | 76 | 71 | 74 | 81 | 90 | 96 | 99 | 102 | 105 | 107 | 107 | |
| 18 | 104 | 96 | 87 | 85 | 89 | 96 | 101 | 101 | 100 | 100 | 100 | 98 | 94 | 86 | 75 | 69 | 72 | 79 | 88 | 93 | 95 | 99 | 102 | 105 | |
| 19 | 105 | 101 | 92 | 84 | 83 | 88 | 97 | 102 | 104 | 105 | 106 | 107 | 105 | 99 | 89 | 76 | 69 | 71 | 78 | 86 | 91 | 94 | 98 | 102 | |
| 20 | 105 | 104 | 100 | 90 | 82 | 82 | 88 | 98 | 105 | 108 | 112 | 115 | 116 | 113 | 106 | 94 | 79 | 71 | 71 | 78 | 86 | 91 | 95 | 99 | |
| 21 | 103 | 105 | 104 | 99 | 88 | 80 | 80 | 87 | 99 | 108 | 114 | 119 | 124 | 125 | 121 | 114 | 100 | 83 | 73 | 72 | 80 | 89 | 93 | 97 | |
| 22 | 102 | 106 | 106 | 104 | 99 | 88 | 78 | 77 | 87 | 101 | 112 | 119 | 126 | 132 | 133 | 129 | 121 | 106 | 88 | 75 | 74 | 84 | 93 | 97 | |
| 23 | 100 | 105 | 108 | 107 | 106 | 99 | 86 | 75 | 74 | 87 | 104 | 115 | 123 | 131 | 138 | 139 | 136 | 128 | 111 | 90 | 77 | 79 | 90 | 97 | |
| 24 | 100 | 103 | 107 | 109 | 109 | 107 | 99 | 83 | 71 | 72 | 87 | 104 | 115 | 124 | 133 | 140 | 142 | 140 | 132 | 113 | 91 | 80 | 84 | 95 | |
| 25 | 101 | 102 | 105 | 109 | 110 | 110 | 108 | 96 | 78 | 67 | 71 | 88 | 103 | 112 | 122 | 132 | 139 | 142 | 142 | 132 | 111 | 91 | 83 | 89 | |
| 26 | 99 | 102 | 103 | 106 | 109 | 110 | 110 | 106 | 91 | 73 | 64 | 71 | 86 | 99 | 108 | 118 | 128 | 136 | 140 | 139 | 128 | 107 | 90 | 86 | |
| 27 | 93 | 101 | 102 | 103 | 105 | 108 | 109 | 109 | 102 | 86 | 70 | 64 | 71 | 84 | 95 | 102 | 111 | 121 | 129 | 133 | 132 | 120 | 102 | 89 | |
| 28 | 87 | 94 | 100 | 101 | 101 | 103 | 106 | 107 | 105 | 97 | 82 | 69 | 64 | 70 | 82 | 90 | 96 | 104 | 113 | 121 | 124 | 121 | 111 | 97 | |
| 29 | 88 | 87 | 93 | 98 | 98 | 98 | 101 | 104 | 103 | 100 | 93 | 81 | 70 | 66 | 71 | 80 | 85 | 89 | 96 | 105 | 111 | 112 | 111 | 103 | |
| 30 | 93 | 86 | 85 | 92 | 95 | 94 | 95 | 98 | 100 | 99 | 97 | 91 | 81 | 72 | 68 | 72 | 79 | 81 | 83 | 90 | 97 | 100 | 102 | 103 | |
| 31 | 97 | 89 | 83 | 84 | 89 | 91 | 90 | 92 | 96 | 97 | 96 | 96 | 92 | 83 | 74 | 71 | 74 | 78 | 77 | 80 | 85 | 90 | 93 | 96 | |

PUERTO DE MONTEVIDEO

FEBRERO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 97 | 93 | 86 | 81 | 83 | 87 | 87 | 87 | 91 | 94 | 96 | 96 | 98 | 94 | 85 | 78 | 75 | 77 | 77 | 76 | 79 | 83 | 86 | 89 |
| 2 | 93 | 94 | 89 | 84 | 81 | 82 | 84 | 84 | 87 | 91 | 95 | 97 | 100 | 101 | 96 | 88 | 82 | 79 | 79 | 78 | 78 | 81 | 83 | 86 |
| 3 | 89 | 93 | 93 | 88 | 84 | 81 | 81 | 82 | 85 | 89 | 94 | 98 | 101 | 104 | 104 | 99 | 92 | 87 | 82 | 81 | 81 | 83 | 85 | 87 |
| 4 | 90 | 93 | 95 | 93 | 89 | 85 | 81 | 80 | 83 | 88 | 93 | 98 | 103 | 107 | 109 | 107 | 102 | 96 | 90 | 85 | 84 | 86 | 89 | 90 |
| 5 | 92 | 95 | 97 | 97 | 94 | 90 | 86 | 81 | 81 | 86 | 93 | 99 | 104 | 110 | 113 | 114 | 111 | 105 | 99 | 91 | 87 | 89 | 93 | 95 |
| 6 | 96 | 98 | 100 | 101 | 100 | 96 | 91 | 85 | 81 | 85 | 92 | 99 | 105 | 111 | 116 | 119 | 118 | 114 | 107 | 100 | 92 | 91 | 95 | 99 |
| 7 | 100 | 101 | 103 | 104 | 104 | 102 | 97 | 90 | 84 | 83 | 90 | 99 | 105 | 111 | 118 | 122 | 123 | 122 | 115 | 107 | 98 | 93 | 95 | 100 |
| 8 | 103 | 103 | 105 | 107 | 107 | 105 | 102 | 94 | 87 | 83 | 87 | 96 | 104 | 110 | 117 | 123 | 126 | 126 | 123 | 114 | 103 | 96 | 95 | 100 |
| 9 | 104 | 105 | 105 | 107 | 108 | 107 | 105 | 99 | 89 | 83 | 84 | 92 | 101 | 108 | 114 | 121 | 126 | 129 | 128 | 122 | 109 | 99 | 95 | 98 |
| 10 | 103 | 105 | 105 | 106 | 107 | 107 | 105 | 102 | 92 | 82 | 80 | 86 | 96 | 104 | 110 | 116 | 123 | 127 | 128 | 126 | 117 | 103 | 94 | 95 |
| 11 | 100 | 104 | 105 | 105 | 105 | 105 | 104 | 102 | 96 | 84 | 76 | 79 | 87 | 98 | 105 | 110 | 117 | 122 | 125 | 125 | 120 | 109 | 96 | 92 |
| 12 | 95 | 101 | 104 | 104 | 104 | 104 | 103 | 101 | 97 | 89 | 77 | 72 | 78 | 88 | 98 | 104 | 109 | 115 | 118 | 120 | 119 | 113 | 101 | 91 |
| 13 | 90 | 96 | 102 | 104 | 104 | 104 | 103 | 101 | 98 | 92 | 83 | 72 | 70 | 77 | 87 | 96 | 102 | 106 | 111 | 113 | 113 | 111 | 105 | 94 |
| 14 | 87 | 89 | 96 | 102 | 105 | 105 | 105 | 103 | 100 | 96 | 90 | 80 | 70 | 69 | 76 | 86 | 94 | 98 | 102 | 105 | 106 | 106 | 104 | 99 |
| 15 | 90 | 85 | 88 | 95 | 102 | 105 | 106 | 106 | 104 | 101 | 97 | 91 | 80 | 71 | 70 | 76 | 84 | 91 | 95 | 98 | 99 | 100 | 101 | 100 |
| 16 | 95 | 86 | 83 | 87 | 94 | 102 | 106 | 107 | 107 | 106 | 104 | 101 | 95 | 83 | 73 | 71 | 75 | 83 | 88 | 91 | 94 | 95 | 96 | 98 |
| 17 | 98 | 93 | 84 | 81 | 85 | 93 | 101 | 106 | 109 | 110 | 111 | 110 | 107 | 101 | 88 | 76 | 73 | 75 | 81 | 87 | 90 | 92 | 93 | 95 |
| 18 | 98 | 97 | 91 | 83 | 79 | 82 | 90 | 99 | 107 | 111 | 114 | 117 | 118 | 115 | 107 | 93 | 81 | 75 | 75 | 81 | 87 | 90 | 91 | 94 |
| 19 | 97 | 99 | 97 | 90 | 81 | 76 | 77 | 86 | 98 | 107 | 113 | 119 | 124 | 126 | 123 | 114 | 99 | 85 | 76 | 75 | 83 | 89 | 92 | 93 |
| 20 | 97 | 100 | 101 | 98 | 91 | 80 | 72 | 71 | 83 | 98 | 108 | 115 | 123 | 130 | 132 | 129 | 120 | 104 | 87 | 76 | 77 | 87 | 93 | 95 |
| 21 | 97 | 101 | 103 | 102 | 99 | 91 | 77 | 65 | 66 | 81 | 97 | 107 | 116 | 126 | 134 | 135 | 133 | 125 | 107 | 87 | 76 | 81 | 92 | 97 |
| 22 | 98 | 101 | 105 | 106 | 104 | 101 | 89 | 71 | 59 | 64 | 81 | 96 | 105 | 115 | 126 | 134 | 136 | 135 | 126 | 105 | 84 | 77 | 86 | 97 |
| 23 | 99 | 100 | 104 | 107 | 107 | 106 | 101 | 85 | 65 | 55 | 64 | 82 | 94 | 102 | 113 | 125 | 132 | 135 | 134 | 122 | 100 | 82 | 80 | 91 |
| 24 | 99 | 101 | 102 | 106 | 109 | 108 | 107 | 99 | 80 | 61 | 55 | 66 | 82 | 91 | 99 | 110 | 120 | 127 | 131 | 129 | 114 | 93 | 81 | 83 |
| 25 | 94 | 100 | 101 | 103 | 106 | 109 | 108 | 106 | 95 | 75 | 60 | 58 | 69 | 81 | 88 | 95 | 105 | 114 | 120 | 123 | 119 | 104 | 88 | 81 |
| 26 | 85 | 95 | 99 | 100 | 102 | 106 | 108 | 107 | 102 | 90 | 73 | 62 | 62 | 72 | 81 | 86 | 91 | 99 | 107 | 112 | 113 | 108 | 95 | 85 |
| 27 | 81 | 86 | 94 | 97 | 98 | 100 | 104 | 105 | 103 | 98 | 87 | 74 | 67 | 67 | 75 | 81 | 84 | 88 | 94 | 100 | 103 | 103 | 98 | 89 |
| 28 | 83 | 81 | 86 | 92 | 95 | 95 | 98 | 101 | 102 | 99 | 95 | 86 | 78 | 72 | 72 | 78 | 81 | 82 | 84 | 89 | 93 | 94 | 94 | 92 |

PUERTO DE MONTEVIDEO

MARZO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|--|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | 86 | 82 | 81 | 85 | 90 | 91 | 92 | 95 | 98 | 98 | 96 | 94 | 88 | 82 | 77 | 77 | 80 | 81 | 81 | 82 | 86 | 87 | 88 | 90 | |
| 2 | 89 | 85 | 82 | 81 | 84 | 88 | 88 | 90 | 93 | 96 | 96 | 96 | 96 | 92 | 86 | 82 | 81 | 82 | 81 | 81 | 82 | 84 | 85 | 86 | |
| 3 | 89 | 88 | 85 | 82 | 81 | 83 | 85 | 86 | 89 | 92 | 95 | 97 | 99 | 99 | 95 | 90 | 86 | 84 | 83 | 82 | 82 | 83 | 84 | 86 | |
| 4 | 88 | 91 | 89 | 86 | 83 | 81 | 81 | 83 | 86 | 90 | 94 | 98 | 101 | 104 | 102 | 98 | 93 | 88 | 85 | 84 | 84 | 85 | 85 | 87 | |
| 5 | 90 | 92 | 93 | 90 | 87 | 83 | 79 | 80 | 83 | 88 | 93 | 98 | 103 | 107 | 108 | 105 | 100 | 95 | 89 | 86 | 86 | 87 | 88 | 89 | |
| 6 | 92 | 94 | 96 | 95 | 91 | 87 | 82 | 78 | 81 | 86 | 92 | 98 | 104 | 110 | 112 | 112 | 107 | 102 | 95 | 88 | 87 | 89 | 91 | 92 | |
| 7 | 94 | 97 | 99 | 99 | 96 | 91 | 85 | 79 | 78 | 84 | 91 | 97 | 104 | 111 | 116 | 117 | 115 | 108 | 101 | 92 | 87 | 89 | 92 | 94 | |
| 8 | 96 | 98 | 101 | 101 | 100 | 95 | 88 | 81 | 77 | 81 | 89 | 96 | 103 | 110 | 118 | 121 | 121 | 117 | 107 | 97 | 89 | 88 | 93 | 96 | |
| 9 | 97 | 99 | 102 | 103 | 102 | 100 | 92 | 83 | 77 | 77 | 85 | 94 | 101 | 108 | 116 | 122 | 125 | 123 | 116 | 103 | 93 | 88 | 91 | 97 | |
| 10 | 99 | 100 | 102 | 104 | 104 | 102 | 98 | 87 | 76 | 73 | 79 | 90 | 98 | 105 | 112 | 120 | 125 | 126 | 122 | 112 | 97 | 88 | 88 | 95 | |
| 11 | 100 | 101 | 102 | 104 | 105 | 104 | 101 | 93 | 80 | 70 | 72 | 82 | 94 | 101 | 107 | 115 | 121 | 124 | 124 | 118 | 105 | 90 | 86 | 91 | |
| 12 | 100 | 103 | 103 | 104 | 106 | 106 | 103 | 98 | 87 | 72 | 66 | 73 | 86 | 96 | 101 | 107 | 115 | 120 | 121 | 119 | 111 | 96 | 85 | 86 | |
| 13 | 95 | 103 | 105 | 105 | 107 | 108 | 106 | 101 | 94 | 81 | 67 | 65 | 75 | 88 | 96 | 100 | 106 | 112 | 115 | 115 | 112 | 103 | 89 | 82 | |
| 14 | 88 | 98 | 105 | 107 | 108 | 110 | 109 | 105 | 99 | 91 | 76 | 65 | 67 | 77 | 88 | 94 | 98 | 104 | 108 | 108 | 107 | 104 | 95 | 84 | |
| 15 | 82 | 89 | 100 | 106 | 108 | 110 | 112 | 110 | 105 | 98 | 89 | 75 | 66 | 69 | 78 | 87 | 92 | 96 | 100 | 101 | 101 | 99 | 97 | 89 | |
| 16 | 81 | 82 | 90 | 99 | 106 | 109 | 112 | 112 | 110 | 105 | 100 | 91 | 78 | 70 | 72 | 79 | 86 | 89 | 93 | 95 | 95 | 94 | 94 | 92 | |
| 17 | 86 | 79 | 81 | 88 | 97 | 104 | 109 | 112 | 112 | 110 | 108 | 104 | 95 | 82 | 74 | 74 | 78 | 84 | 87 | 90 | 90 | 90 | 90 | 91 | |
| 18 | 91 | 84 | 78 | 79 | 84 | 93 | 101 | 107 | 111 | 112 | 112 | 112 | 110 | 101 | 87 | 79 | 76 | 78 | 83 | 86 | 88 | 87 | 87 | 89 | |
| 19 | 91 | 90 | 83 | 76 | 75 | 78 | 87 | 97 | 104 | 109 | 112 | 116 | 118 | 116 | 106 | 93 | 82 | 76 | 77 | 82 | 86 | 87 | 86 | 88 | |
| 20 | 92 | 93 | 90 | 82 | 74 | 69 | 71 | 81 | 93 | 101 | 107 | 113 | 120 | 123 | 120 | 111 | 97 | 83 | 75 | 76 | 84 | 88 | 87 | 88 | |
| 21 | 92 | 95 | 95 | 91 | 81 | 70 | 61 | 64 | 77 | 90 | 98 | 105 | 115 | 123 | 126 | 124 | 114 | 98 | 82 | 73 | 78 | 87 | 90 | 90 | |
| 22 | 92 | 97 | 98 | 97 | 92 | 80 | 65 | 54 | 59 | 75 | 88 | 96 | 105 | 116 | 124 | 127 | 125 | 115 | 97 | 79 | 72 | 81 | 91 | 93 | |
| 23 | 93 | 97 | 101 | 101 | 99 | 93 | 77 | 59 | 49 | 58 | 75 | 86 | 93 | 104 | 116 | 123 | 125 | 124 | 112 | 92 | 75 | 74 | 86 | 94 | |
| 24 | 95 | 97 | 102 | 104 | 103 | 101 | 93 | 73 | 54 | 48 | 61 | 76 | 84 | 92 | 103 | 114 | 119 | 122 | 120 | 106 | 85 | 73 | 78 | 90 | |
| 25 | 96 | 97 | 100 | 105 | 107 | 105 | 103 | 91 | 69 | 53 | 52 | 66 | 78 | 84 | 91 | 101 | 110 | 115 | 118 | 113 | 97 | 79 | 73 | 82 | |
| 26 | 93 | 97 | 99 | 103 | 107 | 108 | 107 | 102 | 87 | 67 | 56 | 59 | 71 | 79 | 84 | 91 | 99 | 105 | 109 | 111 | 104 | 88 | 76 | 76 | |
| 27 | 85 | 94 | 97 | 100 | 104 | 107 | 107 | 106 | 99 | 83 | 68 | 62 | 67 | 76 | 81 | 84 | 90 | 96 | 100 | 103 | 102 | 94 | 82 | 76 | |
| 28 | 79 | 87 | 94 | 97 | 100 | 103 | 106 | 106 | 103 | 95 | 82 | 73 | 70 | 74 | 80 | 83 | 85 | 89 | 93 | 95 | 96 | 94 | 87 | 80 | |
| 29 | 79 | 81 | 88 | 93 | 96 | 98 | 101 | 103 | 102 | 99 | 92 | 84 | 79 | 77 | 79 | 83 | 85 | 86 | 87 | 89 | 91 | 90 | 88 | 84 | |
| 30 | 81 | 81 | 82 | 87 | 91 | 94 | 96 | 98 | 100 | 99 | 97 | 92 | 87 | 85 | 82 | 83 | 86 | 86 | 86 | 86 | 87 | 87 | 86 | 86 | |
| 31 | 84 | 83 | 82 | 82 | 86 | 89 | 91 | 93 | 96 | 98 | 97 | 96 | 94 | 91 | 89 | 85 | 86 | 87 | 86 | 85 | 84 | 85 | 85 | 86 | |

PUERTO DE MONTEVIDEO

ABRIL 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 86 | 85 | 84 | 82 | 81 | 84 | 87 | 89 | 91 | 94 | 97 | 98 | 99 | 97 | 94 | 91 | 87 | 87 | 87 | 85 | 84 | 84 | 85 | 86 |
| 2 | 87 | 88 | 86 | 84 | 81 | 80 | 82 | 85 | 87 | 91 | 95 | 99 | 101 | 102 | 99 | 96 | 91 | 87 | 86 | 86 | 84 | 84 | 85 | 87 |
| 3 | 89 | 90 | 89 | 86 | 83 | 79 | 78 | 81 | 84 | 88 | 93 | 99 | 103 | 106 | 105 | 100 | 95 | 89 | 85 | 85 | 85 | 84 | 85 | 87 |
| 4 | 90 | 92 | 92 | 89 | 84 | 80 | 76 | 77 | 81 | 85 | 91 | 98 | 105 | 109 | 110 | 107 | 100 | 93 | 87 | 83 | 85 | 85 | 86 | 88 |
| 5 | 91 | 94 | 94 | 93 | 87 | 81 | 76 | 73 | 77 | 83 | 89 | 96 | 104 | 111 | 114 | 113 | 108 | 99 | 90 | 84 | 83 | 86 | 87 | 89 |
| 6 | 91 | 95 | 97 | 96 | 92 | 84 | 76 | 71 | 73 | 80 | 87 | 93 | 101 | 110 | 116 | 117 | 115 | 107 | 95 | 86 | 82 | 85 | 89 | 91 |
| 7 | 93 | 96 | 99 | 99 | 97 | 91 | 80 | 71 | 68 | 74 | 84 | 91 | 98 | 107 | 115 | 119 | 119 | 115 | 104 | 90 | 82 | 83 | 90 | 94 |
| 8 | 95 | 97 | 101 | 103 | 101 | 97 | 88 | 74 | 65 | 67 | 78 | 88 | 95 | 102 | 110 | 117 | 120 | 119 | 113 | 98 | 84 | 81 | 87 | 96 |
| 9 | 99 | 100 | 103 | 106 | 106 | 103 | 97 | 84 | 68 | 62 | 69 | 82 | 92 | 97 | 104 | 112 | 117 | 118 | 116 | 107 | 91 | 80 | 82 | 93 |
| 10 | 102 | 104 | 105 | 109 | 111 | 109 | 104 | 95 | 79 | 64 | 62 | 73 | 86 | 93 | 98 | 105 | 112 | 115 | 115 | 111 | 100 | 84 | 79 | 86 |
| 11 | 98 | 106 | 108 | 111 | 114 | 115 | 111 | 105 | 93 | 75 | 62 | 65 | 77 | 88 | 93 | 97 | 104 | 109 | 110 | 109 | 104 | 92 | 80 | 79 |
| 12 | 90 | 102 | 109 | 111 | 115 | 118 | 117 | 112 | 104 | 91 | 73 | 64 | 69 | 80 | 88 | 92 | 96 | 102 | 104 | 104 | 102 | 97 | 86 | 77 |
| 13 | 81 | 92 | 103 | 109 | 113 | 118 | 120 | 117 | 112 | 104 | 91 | 75 | 69 | 73 | 82 | 88 | 91 | 94 | 98 | 98 | 96 | 95 | 91 | 82 |
| 14 | 76 | 81 | 91 | 101 | 107 | 113 | 117 | 118 | 116 | 112 | 105 | 93 | 79 | 74 | 76 | 82 | 86 | 89 | 92 | 92 | 91 | 90 | 90 | 87 |
| 15 | 79 | 75 | 79 | 87 | 96 | 104 | 110 | 114 | 115 | 114 | 112 | 108 | 97 | 84 | 78 | 77 | 81 | 85 | 87 | 88 | 87 | 86 | 87 | 88 |
| 16 | 85 | 77 | 73 | 74 | 80 | 90 | 98 | 105 | 109 | 111 | 113 | 114 | 111 | 101 | 88 | 80 | 77 | 80 | 84 | 85 | 85 | 84 | 84 | 86 |
| 17 | 87 | 84 | 76 | 69 | 67 | 72 | 82 | 92 | 98 | 103 | 108 | 114 | 116 | 114 | 104 | 90 | 80 | 76 | 79 | 83 | 84 | 83 | 83 | 85 |
| 18 | 88 | 89 | 84 | 74 | 65 | 60 | 64 | 76 | 86 | 92 | 98 | 107 | 114 | 118 | 115 | 105 | 91 | 78 | 73 | 78 | 83 | 84 | 83 | 85 |
| 19 | 89 | 91 | 90 | 84 | 72 | 59 | 53 | 59 | 71 | 81 | 87 | 96 | 106 | 114 | 117 | 115 | 104 | 88 | 75 | 72 | 79 | 85 | 86 | 86 |
| 20 | 90 | 94 | 94 | 92 | 84 | 70 | 55 | 48 | 56 | 70 | 78 | 85 | 95 | 106 | 113 | 115 | 113 | 101 | 84 | 71 | 72 | 82 | 88 | 88 |
| 21 | 90 | 95 | 98 | 97 | 95 | 85 | 68 | 51 | 47 | 58 | 70 | 77 | 84 | 95 | 105 | 110 | 112 | 109 | 96 | 78 | 68 | 74 | 86 | 91 |
| 22 | 92 | 96 | 101 | 102 | 101 | 97 | 85 | 66 | 50 | 50 | 63 | 73 | 78 | 85 | 95 | 103 | 107 | 109 | 105 | 89 | 73 | 69 | 78 | 90 |
| 23 | 93 | 96 | 101 | 105 | 105 | 104 | 99 | 84 | 65 | 53 | 58 | 70 | 77 | 80 | 87 | 95 | 100 | 104 | 105 | 98 | 83 | 71 | 72 | 84 |
| 24 | 93 | 96 | 99 | 105 | 108 | 107 | 106 | 99 | 83 | 66 | 60 | 67 | 76 | 80 | 84 | 89 | 95 | 98 | 101 | 101 | 91 | 78 | 72 | 77 |
| 25 | 88 | 94 | 98 | 102 | 107 | 109 | 108 | 106 | 97 | 82 | 71 | 69 | 76 | 82 | 84 | 87 | 91 | 94 | 96 | 98 | 95 | 85 | 77 | 76 |
| 26 | 81 | 90 | 95 | 99 | 103 | 107 | 108 | 108 | 104 | 94 | 83 | 77 | 78 | 82 | 86 | 88 | 90 | 92 | 93 | 94 | 94 | 89 | 82 | 78 |
| 27 | 80 | 84 | 90 | 95 | 99 | 103 | 105 | 106 | 105 | 101 | 92 | 86 | 84 | 84 | 86 | 89 | 91 | 91 | 91 | 92 | 92 | 90 | 85 | 81 |
| 28 | 81 | 82 | 85 | 90 | 95 | 98 | 100 | 103 | 104 | 102 | 98 | 92 | 90 | 89 | 87 | 89 | 91 | 92 | 90 | 89 | 90 | 89 | 87 | 84 |
| 29 | 83 | 83 | 82 | 84 | 89 | 93 | 96 | 97 | 100 | 101 | 100 | 97 | 94 | 93 | 90 | 87 | 89 | 91 | 90 | 88 | 87 | 88 | 87 | 85 |
| 30 | 84 | 84 | 83 | 81 | 83 | 88 | 91 | 92 | 95 | 99 | 100 | 100 | 98 | 95 | 93 | 89 | 87 | 89 | 89 | 87 | 85 | 85 | 86 | 86 |

PUERTO DE MONTEVIDEO

MAYO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|--|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | 85 | 84 | 83 | 80 | 78 | 81 | 86 | 88 | 90 | 94 | 99 | 101 | 101 | 99 | 96 | 91 | 86 | 85 | 87 | 86 | 83 | 83 | 85 | 86 | |
| 2 | 86 | 86 | 83 | 80 | 77 | 76 | 80 | 84 | 86 | 90 | 96 | 102 | 104 | 103 | 100 | 94 | 88 | 83 | 83 | 85 | 83 | 82 | 83 | 86 | |
| 3 | 88 | 87 | 86 | 81 | 76 | 73 | 74 | 79 | 83 | 86 | 92 | 100 | 105 | 107 | 105 | 99 | 91 | 84 | 81 | 82 | 83 | 82 | 83 | 86 | |
| 4 | 89 | 90 | 89 | 84 | 77 | 71 | 69 | 73 | 80 | 84 | 89 | 96 | 105 | 109 | 109 | 106 | 97 | 87 | 80 | 80 | 83 | 85 | 84 | 87 | |
| 5 | 91 | 93 | 92 | 90 | 83 | 73 | 67 | 67 | 73 | 81 | 86 | 93 | 101 | 109 | 112 | 111 | 106 | 94 | 83 | 78 | 81 | 86 | 89 | 90 | |
| 6 | 93 | 97 | 98 | 96 | 91 | 81 | 69 | 63 | 66 | 76 | 84 | 90 | 97 | 106 | 112 | 113 | 111 | 104 | 90 | 80 | 78 | 85 | 92 | 95 | |
| 7 | 97 | 101 | 104 | 104 | 100 | 93 | 79 | 65 | 61 | 68 | 80 | 88 | 93 | 101 | 108 | 113 | 113 | 111 | 101 | 86 | 77 | 80 | 91 | 99 | |
| 8 | 102 | 105 | 110 | 112 | 109 | 104 | 95 | 77 | 63 | 62 | 72 | 84 | 90 | 95 | 103 | 109 | 112 | 112 | 109 | 96 | 81 | 77 | 85 | 98 | |
| 9 | 106 | 108 | 113 | 117 | 118 | 114 | 108 | 95 | 75 | 62 | 65 | 77 | 87 | 92 | 97 | 104 | 109 | 110 | 109 | 104 | 90 | 77 | 78 | 90 | |
| 10 | 103 | 110 | 114 | 119 | 123 | 123 | 118 | 111 | 95 | 74 | 65 | 70 | 81 | 89 | 92 | 97 | 103 | 106 | 107 | 105 | 99 | 84 | 75 | 80 | |
| 11 | 93 | 105 | 111 | 117 | 123 | 126 | 125 | 120 | 111 | 94 | 76 | 69 | 75 | 84 | 90 | 92 | 97 | 101 | 102 | 102 | 100 | 92 | 79 | 74 | |
| 12 | 80 | 92 | 103 | 110 | 117 | 123 | 126 | 125 | 120 | 111 | 95 | 79 | 75 | 78 | 85 | 89 | 92 | 95 | 97 | 97 | 96 | 93 | 86 | 76 | |
| 13 | 73 | 78 | 89 | 99 | 107 | 114 | 120 | 123 | 122 | 119 | 111 | 96 | 83 | 78 | 80 | 85 | 88 | 90 | 92 | 92 | 91 | 90 | 89 | 82 | |
| 14 | 73 | 70 | 74 | 82 | 93 | 101 | 108 | 114 | 117 | 118 | 117 | 111 | 98 | 86 | 80 | 79 | 84 | 87 | 88 | 88 | 87 | 87 | 87 | 86 | |
| 15 | 80 | 71 | 66 | 67 | 75 | 86 | 93 | 100 | 106 | 111 | 114 | 115 | 111 | 99 | 87 | 79 | 78 | 83 | 85 | 85 | 84 | 84 | 84 | 85 | |
| 16 | 85 | 79 | 68 | 61 | 60 | 68 | 78 | 85 | 91 | 98 | 105 | 110 | 113 | 109 | 98 | 85 | 76 | 76 | 81 | 83 | 82 | 82 | 83 | 85 | |
| 17 | 87 | 86 | 78 | 66 | 56 | 55 | 62 | 71 | 78 | 84 | 92 | 100 | 107 | 111 | 107 | 95 | 82 | 73 | 74 | 79 | 82 | 82 | 82 | 85 | |
| 18 | 88 | 90 | 87 | 77 | 64 | 53 | 51 | 59 | 67 | 73 | 80 | 88 | 98 | 104 | 107 | 103 | 91 | 78 | 70 | 73 | 79 | 82 | 83 | 85 | |
| 19 | 90 | 92 | 93 | 89 | 78 | 64 | 52 | 50 | 58 | 67 | 72 | 78 | 87 | 96 | 101 | 104 | 99 | 87 | 74 | 68 | 73 | 81 | 85 | 87 | |
| 20 | 90 | 95 | 97 | 96 | 92 | 80 | 64 | 52 | 53 | 62 | 69 | 73 | 79 | 88 | 95 | 99 | 100 | 95 | 83 | 71 | 68 | 76 | 85 | 89 | |
| 21 | 91 | 96 | 101 | 101 | 100 | 95 | 82 | 66 | 56 | 59 | 68 | 74 | 77 | 82 | 90 | 94 | 97 | 98 | 92 | 80 | 69 | 70 | 81 | 89 | |
| 22 | 93 | 97 | 102 | 105 | 105 | 104 | 97 | 83 | 68 | 62 | 68 | 76 | 79 | 82 | 87 | 92 | 94 | 97 | 97 | 88 | 77 | 70 | 75 | 86 | |
| 23 | 93 | 97 | 102 | 107 | 108 | 108 | 107 | 98 | 84 | 72 | 70 | 77 | 83 | 85 | 87 | 91 | 94 | 95 | 97 | 95 | 85 | 76 | 74 | 81 | |
| 24 | 90 | 96 | 100 | 105 | 109 | 110 | 111 | 108 | 98 | 85 | 78 | 79 | 85 | 89 | 90 | 92 | 94 | 95 | 96 | 97 | 92 | 82 | 77 | 79 | |
| 25 | 85 | 92 | 97 | 103 | 107 | 110 | 111 | 111 | 106 | 96 | 87 | 85 | 86 | 90 | 92 | 94 | 95 | 96 | 96 | 96 | 95 | 88 | 81 | 80 | |
| 26 | 82 | 87 | 93 | 99 | 104 | 107 | 110 | 111 | 109 | 103 | 94 | 90 | 89 | 90 | 92 | 95 | 96 | 96 | 95 | 95 | 95 | 91 | 85 | 82 | |
| 27 | 82 | 83 | 87 | 93 | 99 | 103 | 105 | 108 | 109 | 106 | 99 | 94 | 92 | 91 | 90 | 93 | 95 | 96 | 93 | 93 | 93 | 91 | 87 | 82 | |
| 28 | 82 | 83 | 82 | 87 | 93 | 98 | 100 | 103 | 106 | 106 | 103 | 97 | 94 | 92 | 89 | 89 | 92 | 94 | 92 | 89 | 90 | 90 | 87 | 83 | |
| 29 | 81 | 81 | 80 | 80 | 86 | 92 | 96 | 97 | 101 | 104 | 104 | 100 | 96 | 93 | 90 | 86 | 87 | 90 | 90 | 87 | 85 | 87 | 86 | 84 | |
| 30 | 81 | 79 | 78 | 76 | 79 | 86 | 90 | 92 | 95 | 100 | 103 | 102 | 99 | 94 | 90 | 85 | 83 | 86 | 88 | 85 | 82 | 83 | 85 | 84 | |
| 31 | 82 | 79 | 75 | 73 | 72 | 77 | 85 | 88 | 90 | 94 | 100 | 103 | 102 | 99 | 92 | 85 | 81 | 81 | 85 | 85 | 82 | 81 | 83 | 85 | |

PUERTO DE MONTEVIDEO

JUNIO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 84 | 82 | 77 | 71 | 68 | 70 | 77 | 83 | 86 | 89 | 95 | 101 | 104 | 102 | 98 | 89 | 81 | 78 | 81 | 85 | 84 | 82 | 84 | 87 |
| 2 | 88 | 86 | 83 | 75 | 67 | 65 | 68 | 77 | 82 | 85 | 90 | 98 | 103 | 105 | 103 | 96 | 85 | 78 | 77 | 82 | 86 | 86 | 87 | 90 |
| 3 | 93 | 93 | 90 | 84 | 74 | 64 | 63 | 68 | 77 | 83 | 87 | 93 | 101 | 105 | 105 | 103 | 94 | 83 | 76 | 78 | 85 | 91 | 92 | 95 |
| 4 | 99 | 101 | 99 | 95 | 87 | 73 | 63 | 62 | 69 | 79 | 85 | 90 | 97 | 104 | 107 | 106 | 103 | 92 | 80 | 76 | 81 | 91 | 97 | 100 |
| 5 | 104 | 109 | 110 | 107 | 101 | 90 | 74 | 63 | 63 | 73 | 83 | 88 | 93 | 100 | 105 | 107 | 106 | 102 | 90 | 78 | 76 | 84 | 97 | 104 |
| 6 | 108 | 114 | 118 | 118 | 114 | 108 | 94 | 75 | 64 | 66 | 77 | 86 | 90 | 96 | 102 | 106 | 107 | 106 | 101 | 87 | 76 | 77 | 89 | 102 |
| 7 | 110 | 115 | 121 | 125 | 125 | 121 | 113 | 96 | 76 | 66 | 71 | 82 | 89 | 92 | 98 | 103 | 106 | 106 | 106 | 98 | 83 | 73 | 78 | 92 |
| 8 | 105 | 112 | 119 | 126 | 130 | 130 | 126 | 117 | 97 | 77 | 70 | 76 | 86 | 91 | 94 | 98 | 103 | 105 | 105 | 103 | 93 | 77 | 71 | 78 |
| 9 | 92 | 104 | 112 | 120 | 128 | 132 | 132 | 128 | 117 | 97 | 79 | 75 | 80 | 88 | 92 | 94 | 98 | 101 | 102 | 102 | 98 | 87 | 73 | 69 |
| 10 | 76 | 89 | 101 | 109 | 118 | 126 | 130 | 131 | 127 | 116 | 97 | 82 | 78 | 82 | 89 | 91 | 93 | 96 | 98 | 98 | 97 | 92 | 81 | 69 |
| 11 | 66 | 72 | 84 | 95 | 104 | 112 | 120 | 125 | 126 | 123 | 112 | 96 | 84 | 79 | 82 | 88 | 90 | 91 | 92 | 94 | 94 | 92 | 87 | 77 |
| 12 | 66 | 62 | 67 | 78 | 88 | 96 | 104 | 112 | 117 | 119 | 117 | 109 | 95 | 83 | 78 | 81 | 87 | 88 | 88 | 88 | 89 | 89 | 88 | 84 |
| 13 | 74 | 64 | 58 | 61 | 72 | 81 | 87 | 95 | 102 | 108 | 111 | 112 | 105 | 92 | 81 | 76 | 80 | 84 | 85 | 84 | 85 | 86 | 86 | 86 |
| 14 | 83 | 73 | 61 | 54 | 57 | 67 | 73 | 79 | 86 | 94 | 100 | 104 | 106 | 101 | 88 | 77 | 74 | 78 | 82 | 82 | 82 | 83 | 85 | 86 |
| 15 | 87 | 84 | 72 | 60 | 53 | 55 | 63 | 68 | 72 | 79 | 87 | 93 | 99 | 101 | 95 | 83 | 74 | 72 | 76 | 79 | 80 | 81 | 84 | 86 |
| 16 | 88 | 90 | 85 | 72 | 60 | 54 | 55 | 61 | 65 | 69 | 75 | 82 | 89 | 95 | 97 | 90 | 80 | 72 | 70 | 74 | 79 | 81 | 83 | 87 |
| 17 | 90 | 92 | 93 | 87 | 75 | 63 | 56 | 57 | 62 | 66 | 70 | 75 | 82 | 88 | 92 | 93 | 86 | 78 | 70 | 69 | 75 | 80 | 84 | 87 |
| 18 | 91 | 95 | 97 | 96 | 90 | 79 | 67 | 60 | 61 | 67 | 70 | 73 | 78 | 83 | 88 | 91 | 91 | 85 | 77 | 70 | 70 | 78 | 84 | 88 |
| 19 | 92 | 97 | 101 | 101 | 100 | 94 | 83 | 71 | 65 | 68 | 74 | 77 | 79 | 82 | 87 | 89 | 92 | 91 | 85 | 76 | 70 | 73 | 83 | 89 |
| 20 | 93 | 98 | 103 | 105 | 106 | 104 | 97 | 86 | 75 | 72 | 77 | 82 | 84 | 85 | 88 | 91 | 92 | 94 | 92 | 85 | 76 | 72 | 78 | 88 |
| 21 | 93 | 98 | 103 | 108 | 109 | 110 | 108 | 99 | 88 | 80 | 80 | 86 | 89 | 90 | 91 | 93 | 94 | 95 | 96 | 92 | 83 | 77 | 76 | 84 |
| 22 | 92 | 97 | 102 | 107 | 111 | 112 | 113 | 109 | 99 | 89 | 84 | 87 | 92 | 94 | 95 | 96 | 97 | 97 | 98 | 97 | 90 | 82 | 78 | 80 |
| 23 | 88 | 94 | 100 | 105 | 110 | 113 | 115 | 114 | 107 | 97 | 91 | 89 | 91 | 95 | 97 | 98 | 98 | 98 | 98 | 98 | 94 | 86 | 81 | 80 |
| 24 | 83 | 89 | 96 | 102 | 107 | 111 | 114 | 115 | 112 | 103 | 95 | 91 | 91 | 93 | 96 | 97 | 98 | 97 | 97 | 97 | 95 | 89 | 82 | 80 |
| 25 | 81 | 84 | 90 | 96 | 102 | 106 | 110 | 113 | 113 | 108 | 98 | 93 | 91 | 90 | 92 | 95 | 96 | 96 | 94 | 94 | 94 | 90 | 83 | 78 |
| 26 | 78 | 80 | 83 | 90 | 97 | 102 | 104 | 108 | 111 | 109 | 102 | 94 | 90 | 89 | 88 | 90 | 93 | 93 | 91 | 90 | 90 | 89 | 84 | 78 |
| 27 | 75 | 76 | 77 | 82 | 90 | 96 | 99 | 102 | 106 | 107 | 104 | 97 | 90 | 87 | 85 | 85 | 89 | 91 | 89 | 87 | 86 | 87 | 84 | 79 |
| 28 | 74 | 71 | 72 | 74 | 82 | 89 | 93 | 95 | 99 | 103 | 103 | 100 | 93 | 87 | 83 | 81 | 84 | 88 | 88 | 85 | 84 | 84 | 84 | 81 |
| 29 | 77 | 71 | 67 | 68 | 72 | 81 | 87 | 90 | 92 | 97 | 101 | 100 | 97 | 90 | 83 | 79 | 79 | 84 | 88 | 86 | 84 | 84 | 86 | 84 |
| 30 | 81 | 76 | 68 | 64 | 65 | 72 | 81 | 85 | 87 | 91 | 96 | 99 | 99 | 95 | 87 | 79 | 76 | 79 | 85 | 89 | 87 | 87 | 89 | 90 |

PUERTO DE MONTEVIDEO

JULIO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|--|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | 88 | 84 | 77 | 67 | 62 | 64 | 72 | 80 | 83 | 86 | 91 | 96 | 99 | 98 | 94 | 85 | 77 | 75 | 80 | 88 | 91 | 92 | 93 | 96 | |
| 2 | 97 | 94 | 89 | 79 | 67 | 62 | 64 | 72 | 80 | 83 | 87 | 93 | 98 | 99 | 98 | 93 | 83 | 76 | 75 | 82 | 91 | 96 | 98 | 102 | |
| 3 | 105 | 106 | 102 | 95 | 83 | 69 | 63 | 65 | 74 | 81 | 85 | 90 | 95 | 99 | 100 | 98 | 93 | 82 | 75 | 76 | 84 | 96 | 102 | 106 | |
| 4 | 111 | 115 | 115 | 110 | 102 | 88 | 72 | 65 | 67 | 77 | 85 | 88 | 93 | 98 | 101 | 101 | 99 | 93 | 81 | 73 | 75 | 87 | 100 | 107 | |
| 5 | 113 | 120 | 124 | 123 | 118 | 110 | 93 | 75 | 67 | 71 | 82 | 88 | 91 | 95 | 100 | 102 | 102 | 101 | 93 | 78 | 70 | 74 | 89 | 103 | |
| 6 | 111 | 118 | 125 | 130 | 129 | 126 | 116 | 96 | 77 | 70 | 76 | 86 | 91 | 93 | 98 | 101 | 103 | 103 | 101 | 90 | 74 | 67 | 74 | 90 | |
| 7 | 103 | 111 | 120 | 128 | 133 | 134 | 131 | 119 | 97 | 78 | 73 | 80 | 89 | 93 | 95 | 99 | 102 | 103 | 103 | 99 | 85 | 68 | 63 | 72 | |
| 8 | 88 | 100 | 109 | 118 | 127 | 133 | 135 | 132 | 118 | 95 | 79 | 77 | 84 | 91 | 93 | 95 | 98 | 101 | 102 | 101 | 94 | 78 | 64 | 60 | |
| 9 | 69 | 84 | 95 | 104 | 114 | 123 | 130 | 132 | 128 | 113 | 93 | 80 | 78 | 85 | 91 | 92 | 94 | 96 | 99 | 100 | 97 | 88 | 73 | 60 | |
| 10 | 58 | 66 | 79 | 89 | 97 | 107 | 117 | 123 | 125 | 120 | 107 | 90 | 79 | 78 | 84 | 89 | 90 | 91 | 94 | 96 | 95 | 92 | 83 | 69 | |
| 11 | 58 | 55 | 62 | 74 | 82 | 89 | 98 | 108 | 114 | 115 | 112 | 101 | 87 | 77 | 76 | 83 | 87 | 87 | 88 | 91 | 93 | 91 | 88 | 80 | |
| 12 | 67 | 56 | 53 | 59 | 69 | 75 | 81 | 89 | 98 | 103 | 104 | 103 | 95 | 82 | 74 | 75 | 81 | 84 | 83 | 85 | 88 | 89 | 87 | 86 | |
| 13 | 80 | 67 | 56 | 53 | 59 | 66 | 69 | 74 | 82 | 89 | 92 | 96 | 96 | 89 | 78 | 71 | 73 | 79 | 80 | 81 | 83 | 86 | 87 | 87 | |
| 14 | 87 | 80 | 68 | 58 | 55 | 60 | 63 | 65 | 70 | 76 | 81 | 85 | 90 | 91 | 83 | 74 | 70 | 72 | 76 | 78 | 80 | 83 | 86 | 87 | |
| 15 | 89 | 89 | 82 | 70 | 62 | 59 | 61 | 63 | 65 | 69 | 73 | 78 | 82 | 87 | 87 | 79 | 73 | 70 | 71 | 75 | 77 | 81 | 84 | 88 | |
| 16 | 90 | 93 | 92 | 84 | 75 | 67 | 63 | 64 | 66 | 68 | 71 | 74 | 78 | 82 | 86 | 84 | 79 | 73 | 70 | 70 | 75 | 79 | 84 | 87 | |
| 17 | 91 | 95 | 97 | 95 | 88 | 81 | 73 | 68 | 69 | 71 | 74 | 75 | 77 | 81 | 85 | 87 | 84 | 80 | 75 | 70 | 71 | 78 | 84 | 88 | |
| 18 | 92 | 97 | 100 | 101 | 99 | 93 | 86 | 77 | 72 | 75 | 79 | 80 | 81 | 83 | 86 | 88 | 89 | 86 | 82 | 75 | 70 | 74 | 82 | 88 | |
| 19 | 93 | 97 | 102 | 105 | 106 | 103 | 97 | 89 | 80 | 78 | 83 | 86 | 87 | 87 | 89 | 91 | 91 | 92 | 88 | 82 | 74 | 72 | 79 | 87 | |
| 20 | 93 | 97 | 103 | 107 | 109 | 110 | 107 | 99 | 89 | 83 | 84 | 90 | 92 | 92 | 92 | 94 | 95 | 95 | 94 | 88 | 81 | 74 | 76 | 84 | |
| 21 | 91 | 96 | 102 | 108 | 112 | 113 | 113 | 107 | 98 | 89 | 86 | 90 | 94 | 95 | 95 | 96 | 97 | 97 | 97 | 94 | 85 | 78 | 75 | 80 | |
| 22 | 88 | 94 | 100 | 105 | 111 | 114 | 116 | 113 | 104 | 94 | 88 | 88 | 93 | 95 | 96 | 96 | 97 | 98 | 98 | 96 | 89 | 80 | 76 | 77 | |
| 23 | 83 | 90 | 96 | 102 | 108 | 113 | 116 | 116 | 110 | 99 | 90 | 88 | 90 | 93 | 95 | 96 | 96 | 96 | 97 | 96 | 92 | 83 | 75 | 74 | |
| 24 | 78 | 85 | 91 | 97 | 103 | 108 | 113 | 115 | 112 | 103 | 92 | 87 | 87 | 89 | 92 | 93 | 94 | 94 | 94 | 94 | 91 | 85 | 75 | 70 | |
| 25 | 73 | 78 | 85 | 92 | 98 | 103 | 107 | 111 | 111 | 106 | 96 | 87 | 84 | 85 | 88 | 91 | 92 | 92 | 91 | 90 | 89 | 85 | 78 | 69 | |
| 26 | 67 | 71 | 77 | 85 | 91 | 96 | 100 | 104 | 107 | 105 | 99 | 90 | 82 | 82 | 84 | 87 | 90 | 91 | 90 | 88 | 88 | 85 | 80 | 72 | |
| 27 | 65 | 64 | 69 | 76 | 84 | 90 | 94 | 97 | 100 | 101 | 99 | 93 | 84 | 79 | 79 | 82 | 88 | 91 | 90 | 89 | 88 | 87 | 83 | 78 | |
| 28 | 70 | 62 | 62 | 67 | 75 | 83 | 87 | 90 | 93 | 96 | 96 | 94 | 89 | 81 | 76 | 77 | 83 | 89 | 91 | 91 | 90 | 89 | 88 | 85 | |
| 29 | 79 | 70 | 62 | 61 | 66 | 75 | 82 | 85 | 87 | 90 | 93 | 93 | 92 | 86 | 78 | 74 | 77 | 84 | 91 | 93 | 94 | 94 | 94 | 93 | |
| 30 | 89 | 82 | 71 | 62 | 61 | 66 | 75 | 81 | 83 | 86 | 89 | 91 | 92 | 90 | 84 | 76 | 73 | 77 | 84 | 92 | 96 | 98 | 100 | 101 | |
| 31 | 100 | 96 | 88 | 75 | 65 | 63 | 67 | 75 | 81 | 83 | 86 | 89 | 92 | 92 | 90 | 83 | 75 | 72 | 76 | 85 | 95 | 100 | 104 | 107 | |

PUERTO DE MONTEVIDEO

AGOSTO 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 110 | 109 | 104 | 94 | 80 | 69 | 65 | 68 | 77 | 82 | 85 | 88 | 91 | 94 | 93 | 91 | 83 | 74 | 70 | 74 | 85 | 97 | 104 | 109 |
| 2 | 114 | 118 | 117 | 112 | 102 | 86 | 72 | 66 | 70 | 80 | 86 | 88 | 91 | 94 | 96 | 95 | 92 | 83 | 72 | 66 | 71 | 85 | 99 | 106 |
| 3 | 113 | 120 | 125 | 124 | 119 | 109 | 91 | 74 | 68 | 74 | 85 | 89 | 90 | 94 | 97 | 98 | 97 | 93 | 82 | 68 | 61 | 68 | 85 | 99 |
| 4 | 107 | 115 | 124 | 129 | 129 | 125 | 113 | 93 | 75 | 70 | 79 | 89 | 91 | 93 | 96 | 99 | 99 | 99 | 94 | 79 | 62 | 56 | 66 | 84 |
| 5 | 96 | 105 | 115 | 125 | 130 | 131 | 128 | 114 | 91 | 74 | 73 | 83 | 91 | 93 | 94 | 98 | 100 | 101 | 100 | 92 | 73 | 56 | 53 | 65 |
| 6 | 82 | 92 | 101 | 112 | 122 | 129 | 131 | 127 | 110 | 87 | 74 | 76 | 86 | 92 | 93 | 95 | 98 | 101 | 101 | 98 | 87 | 67 | 52 | 51 |
| 7 | 64 | 78 | 87 | 96 | 107 | 117 | 124 | 126 | 120 | 103 | 83 | 74 | 77 | 86 | 91 | 91 | 94 | 98 | 100 | 100 | 95 | 81 | 62 | 51 |
| 8 | 51 | 62 | 74 | 81 | 89 | 100 | 110 | 116 | 117 | 110 | 95 | 79 | 73 | 77 | 85 | 89 | 89 | 92 | 96 | 98 | 96 | 90 | 77 | 61 |
| 9 | 51 | 52 | 61 | 70 | 76 | 83 | 93 | 102 | 106 | 106 | 100 | 88 | 76 | 72 | 76 | 84 | 86 | 87 | 90 | 94 | 95 | 92 | 86 | 75 |
| 10 | 62 | 53 | 54 | 62 | 68 | 71 | 77 | 85 | 92 | 95 | 95 | 92 | 82 | 73 | 70 | 75 | 82 | 83 | 84 | 88 | 91 | 91 | 89 | 85 |
| 11 | 76 | 64 | 57 | 57 | 63 | 66 | 67 | 72 | 79 | 83 | 85 | 88 | 86 | 78 | 71 | 69 | 74 | 79 | 79 | 82 | 86 | 88 | 88 | 88 |
| 12 | 86 | 78 | 68 | 61 | 61 | 65 | 65 | 66 | 70 | 74 | 77 | 80 | 84 | 82 | 75 | 70 | 69 | 73 | 76 | 77 | 81 | 85 | 87 | 88 |
| 13 | 90 | 89 | 81 | 72 | 67 | 66 | 67 | 66 | 68 | 70 | 73 | 75 | 79 | 82 | 80 | 74 | 71 | 70 | 72 | 74 | 77 | 81 | 85 | 88 |
| 14 | 91 | 93 | 91 | 84 | 78 | 72 | 70 | 69 | 70 | 71 | 72 | 74 | 77 | 81 | 83 | 79 | 76 | 72 | 69 | 70 | 74 | 79 | 83 | 87 |
| 15 | 91 | 95 | 97 | 94 | 88 | 83 | 76 | 73 | 73 | 75 | 76 | 77 | 78 | 81 | 84 | 84 | 81 | 77 | 72 | 68 | 71 | 77 | 82 | 87 |
| 16 | 91 | 96 | 100 | 101 | 97 | 93 | 86 | 78 | 76 | 79 | 81 | 82 | 82 | 84 | 86 | 87 | 86 | 83 | 78 | 71 | 68 | 74 | 81 | 87 |
| 17 | 91 | 97 | 102 | 104 | 104 | 101 | 95 | 86 | 79 | 80 | 85 | 87 | 86 | 87 | 90 | 90 | 90 | 88 | 84 | 77 | 70 | 71 | 78 | 86 |
| 18 | 91 | 96 | 103 | 107 | 108 | 107 | 102 | 94 | 85 | 81 | 85 | 89 | 90 | 90 | 92 | 93 | 93 | 93 | 89 | 82 | 74 | 70 | 75 | 84 |
| 19 | 90 | 95 | 101 | 108 | 111 | 112 | 109 | 101 | 91 | 84 | 84 | 89 | 92 | 92 | 93 | 94 | 95 | 95 | 93 | 86 | 77 | 71 | 71 | 80 |
| 20 | 88 | 93 | 99 | 106 | 111 | 114 | 113 | 107 | 96 | 87 | 83 | 87 | 92 | 93 | 93 | 94 | 95 | 96 | 94 | 90 | 80 | 71 | 69 | 74 |
| 21 | 83 | 90 | 95 | 102 | 109 | 113 | 114 | 112 | 102 | 89 | 83 | 84 | 89 | 92 | 92 | 93 | 94 | 95 | 94 | 92 | 84 | 73 | 66 | 69 |
| 22 | 77 | 86 | 91 | 97 | 103 | 109 | 112 | 112 | 107 | 94 | 83 | 82 | 85 | 90 | 92 | 92 | 93 | 94 | 94 | 92 | 87 | 77 | 66 | 64 |
| 23 | 70 | 79 | 86 | 91 | 97 | 103 | 107 | 109 | 107 | 99 | 87 | 79 | 81 | 87 | 91 | 92 | 93 | 94 | 94 | 92 | 89 | 82 | 70 | 61 |
| 24 | 63 | 70 | 79 | 86 | 90 | 96 | 100 | 103 | 103 | 100 | 92 | 80 | 77 | 81 | 87 | 92 | 93 | 94 | 95 | 93 | 90 | 86 | 78 | 66 |
| 25 | 59 | 62 | 70 | 79 | 84 | 89 | 93 | 96 | 97 | 96 | 93 | 85 | 77 | 76 | 82 | 88 | 93 | 95 | 96 | 96 | 94 | 90 | 85 | 77 |
| 26 | 65 | 59 | 63 | 70 | 78 | 83 | 87 | 90 | 91 | 91 | 91 | 88 | 81 | 74 | 75 | 81 | 89 | 94 | 97 | 98 | 98 | 95 | 92 | 87 |
| 27 | 79 | 67 | 61 | 64 | 70 | 77 | 81 | 84 | 86 | 87 | 87 | 87 | 85 | 78 | 72 | 74 | 80 | 88 | 95 | 99 | 101 | 100 | 99 | 97 |
| 28 | 92 | 82 | 70 | 64 | 65 | 70 | 76 | 81 | 83 | 84 | 84 | 86 | 86 | 84 | 76 | 71 | 72 | 78 | 87 | 95 | 100 | 103 | 104 | 105 |
| 29 | 104 | 99 | 88 | 75 | 67 | 66 | 70 | 77 | 81 | 83 | 83 | 85 | 87 | 87 | 83 | 75 | 69 | 69 | 74 | 85 | 95 | 101 | 105 | 109 |
| 30 | 112 | 111 | 105 | 94 | 80 | 70 | 66 | 71 | 79 | 83 | 84 | 85 | 88 | 89 | 88 | 83 | 74 | 66 | 63 | 69 | 82 | 95 | 102 | 107 |
| 31 | 114 | 118 | 117 | 111 | 100 | 84 | 71 | 66 | 73 | 82 | 85 | 86 | 88 | 91 | 92 | 89 | 84 | 73 | 62 | 56 | 64 | 81 | 94 | 101 |

PUERTO DE MONTEVIDEO

SETIEMBRE 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 109 | 118 | 122 | 121 | 116 | 104 | 86 | 70 | 67 | 77 | 86 | 88 | 89 | 92 | 95 | 94 | 91 | 85 | 71 | 55 | 50 | 62 | 80 | 91 |
| 2 | 99 | 109 | 119 | 124 | 124 | 120 | 106 | 84 | 69 | 69 | 81 | 89 | 90 | 92 | 96 | 97 | 96 | 94 | 85 | 66 | 49 | 47 | 61 | 78 |
| 3 | 88 | 96 | 108 | 118 | 123 | 124 | 120 | 103 | 80 | 68 | 73 | 86 | 91 | 91 | 94 | 98 | 99 | 98 | 95 | 82 | 60 | 45 | 46 | 62 |
| 4 | 76 | 84 | 93 | 104 | 114 | 119 | 122 | 115 | 96 | 76 | 68 | 76 | 88 | 91 | 92 | 96 | 100 | 101 | 100 | 95 | 78 | 56 | 44 | 49 |
| 5 | 63 | 73 | 80 | 89 | 100 | 109 | 114 | 116 | 107 | 88 | 72 | 70 | 79 | 88 | 90 | 92 | 96 | 100 | 101 | 100 | 92 | 74 | 55 | 47 |
| 6 | 52 | 64 | 71 | 76 | 84 | 94 | 102 | 107 | 106 | 97 | 81 | 71 | 71 | 80 | 87 | 89 | 91 | 96 | 100 | 100 | 97 | 88 | 72 | 58 |
| 7 | 52 | 57 | 65 | 70 | 74 | 80 | 89 | 95 | 97 | 96 | 87 | 76 | 70 | 72 | 79 | 85 | 87 | 90 | 94 | 98 | 97 | 94 | 85 | 73 |
| 8 | 62 | 58 | 61 | 67 | 69 | 72 | 77 | 83 | 87 | 88 | 87 | 82 | 74 | 71 | 72 | 78 | 83 | 84 | 88 | 92 | 94 | 93 | 91 | 85 |
| 9 | 75 | 67 | 63 | 65 | 69 | 69 | 71 | 74 | 79 | 81 | 82 | 82 | 79 | 74 | 71 | 72 | 77 | 80 | 82 | 85 | 89 | 91 | 91 | 90 |
| 10 | 87 | 79 | 73 | 68 | 69 | 71 | 70 | 71 | 73 | 76 | 77 | 79 | 81 | 78 | 74 | 71 | 71 | 75 | 77 | 80 | 83 | 87 | 89 | 90 |
| 11 | 92 | 89 | 83 | 77 | 73 | 72 | 72 | 72 | 72 | 73 | 75 | 76 | 80 | 81 | 78 | 74 | 71 | 70 | 73 | 75 | 79 | 83 | 87 | 90 |
| 12 | 93 | 94 | 91 | 86 | 80 | 76 | 74 | 74 | 74 | 75 | 75 | 77 | 79 | 82 | 82 | 78 | 75 | 70 | 69 | 71 | 75 | 79 | 84 | 89 |
| 13 | 93 | 96 | 97 | 93 | 88 | 82 | 77 | 76 | 77 | 78 | 78 | 79 | 81 | 83 | 85 | 83 | 79 | 74 | 69 | 68 | 71 | 77 | 82 | 87 |
| 14 | 93 | 98 | 100 | 99 | 95 | 90 | 82 | 77 | 78 | 80 | 81 | 82 | 83 | 86 | 87 | 87 | 83 | 79 | 73 | 67 | 68 | 74 | 81 | 86 |
| 15 | 92 | 99 | 103 | 104 | 101 | 95 | 89 | 80 | 77 | 81 | 84 | 85 | 85 | 88 | 90 | 89 | 88 | 83 | 77 | 70 | 66 | 71 | 79 | 85 |
| 16 | 91 | 98 | 104 | 107 | 106 | 102 | 94 | 85 | 79 | 79 | 84 | 87 | 87 | 89 | 91 | 92 | 91 | 88 | 81 | 73 | 67 | 68 | 76 | 84 |
| 17 | 90 | 96 | 103 | 108 | 110 | 108 | 101 | 91 | 82 | 79 | 83 | 88 | 89 | 90 | 92 | 94 | 93 | 92 | 86 | 76 | 68 | 65 | 72 | 81 |
| 18 | 88 | 93 | 100 | 107 | 111 | 111 | 108 | 97 | 85 | 79 | 81 | 87 | 91 | 91 | 92 | 95 | 96 | 94 | 91 | 82 | 70 | 64 | 67 | 76 |
| 19 | 85 | 90 | 96 | 103 | 109 | 111 | 111 | 105 | 91 | 80 | 79 | 85 | 92 | 93 | 93 | 95 | 97 | 97 | 94 | 89 | 77 | 64 | 62 | 70 |
| 20 | 80 | 87 | 91 | 98 | 104 | 109 | 110 | 108 | 99 | 84 | 78 | 81 | 90 | 95 | 95 | 96 | 98 | 99 | 97 | 93 | 85 | 71 | 60 | 63 |
| 21 | 73 | 83 | 87 | 91 | 98 | 103 | 106 | 105 | 102 | 91 | 79 | 77 | 85 | 93 | 97 | 98 | 100 | 102 | 101 | 97 | 91 | 81 | 66 | 60 |
| 22 | 65 | 75 | 83 | 87 | 91 | 97 | 100 | 101 | 99 | 95 | 84 | 76 | 78 | 88 | 96 | 99 | 100 | 103 | 104 | 101 | 97 | 90 | 79 | 65 |
| 23 | 61 | 68 | 76 | 82 | 85 | 90 | 94 | 95 | 94 | 93 | 89 | 80 | 74 | 79 | 88 | 96 | 100 | 103 | 106 | 105 | 102 | 97 | 91 | 79 |
| 24 | 67 | 64 | 69 | 76 | 81 | 84 | 88 | 89 | 89 | 89 | 88 | 84 | 76 | 73 | 79 | 87 | 95 | 100 | 104 | 107 | 106 | 103 | 99 | 93 |
| 25 | 82 | 70 | 67 | 70 | 75 | 80 | 83 | 85 | 85 | 84 | 85 | 85 | 81 | 74 | 72 | 76 | 83 | 92 | 99 | 104 | 106 | 106 | 105 | 103 |
| 26 | 98 | 86 | 74 | 69 | 70 | 74 | 79 | 82 | 83 | 82 | 82 | 84 | 84 | 80 | 72 | 69 | 71 | 77 | 88 | 97 | 102 | 105 | 107 | 109 |
| 27 | 108 | 102 | 90 | 78 | 71 | 69 | 74 | 80 | 82 | 82 | 81 | 83 | 85 | 84 | 78 | 70 | 64 | 64 | 71 | 83 | 93 | 100 | 104 | 110 |
| 28 | 114 | 113 | 106 | 93 | 80 | 70 | 68 | 74 | 81 | 83 | 82 | 84 | 87 | 87 | 85 | 78 | 67 | 58 | 56 | 64 | 79 | 90 | 97 | 104 |
| 29 | 112 | 117 | 116 | 109 | 96 | 81 | 68 | 67 | 76 | 84 | 85 | 85 | 88 | 91 | 90 | 86 | 77 | 64 | 52 | 49 | 61 | 77 | 87 | 94 |
| 30 | 104 | 113 | 117 | 117 | 111 | 97 | 79 | 66 | 68 | 80 | 87 | 87 | 89 | 93 | 95 | 92 | 88 | 78 | 60 | 45 | 45 | 60 | 75 | 84 |

PUERTO DE MONTEVIDEO

OCTUBRE 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 92 | 103 | 113 | 116 | 116 | 110 | 94 | 74 | 64 | 72 | 85 | 90 | 90 | 93 | 98 | 98 | 95 | 91 | 77 | 56 | 42 | 45 | 61 | 74 |
| 2 | 81 | 90 | 101 | 110 | 113 | 114 | 107 | 89 | 70 | 65 | 76 | 88 | 92 | 93 | 97 | 101 | 100 | 98 | 93 | 75 | 53 | 42 | 49 | 64 |
| 3 | 74 | 79 | 88 | 99 | 105 | 109 | 111 | 101 | 82 | 67 | 68 | 81 | 91 | 93 | 95 | 100 | 103 | 103 | 101 | 93 | 73 | 53 | 46 | 55 |
| 4 | 67 | 73 | 78 | 86 | 95 | 101 | 105 | 105 | 93 | 76 | 67 | 72 | 84 | 91 | 93 | 97 | 102 | 105 | 104 | 102 | 91 | 72 | 57 | 54 |
| 5 | 62 | 70 | 73 | 78 | 85 | 91 | 96 | 99 | 97 | 85 | 73 | 70 | 76 | 85 | 90 | 93 | 98 | 102 | 104 | 104 | 100 | 88 | 73 | 63 |
| 6 | 62 | 68 | 73 | 75 | 78 | 83 | 88 | 91 | 93 | 90 | 80 | 73 | 73 | 78 | 85 | 89 | 92 | 96 | 100 | 103 | 102 | 97 | 87 | 76 |
| 7 | 70 | 69 | 72 | 75 | 76 | 78 | 81 | 85 | 87 | 87 | 84 | 78 | 75 | 75 | 78 | 84 | 87 | 91 | 94 | 98 | 100 | 98 | 95 | 88 |
| 8 | 81 | 77 | 74 | 76 | 78 | 78 | 78 | 80 | 82 | 83 | 83 | 82 | 79 | 77 | 75 | 77 | 82 | 85 | 88 | 91 | 95 | 96 | 96 | 94 |
| 9 | 90 | 86 | 80 | 77 | 78 | 79 | 79 | 78 | 79 | 81 | 81 | 82 | 82 | 80 | 77 | 74 | 75 | 79 | 82 | 85 | 88 | 92 | 95 | 95 |
| 10 | 95 | 92 | 88 | 82 | 79 | 80 | 80 | 79 | 78 | 79 | 81 | 81 | 83 | 83 | 80 | 76 | 72 | 74 | 77 | 80 | 83 | 87 | 92 | 95 |
| 11 | 97 | 97 | 93 | 88 | 82 | 79 | 80 | 80 | 79 | 79 | 80 | 82 | 83 | 85 | 83 | 79 | 74 | 70 | 72 | 75 | 79 | 83 | 88 | 94 |
| 12 | 97 | 99 | 98 | 93 | 87 | 80 | 78 | 79 | 79 | 79 | 80 | 83 | 85 | 86 | 85 | 82 | 77 | 71 | 68 | 71 | 75 | 80 | 85 | 92 |
| 13 | 98 | 101 | 101 | 98 | 91 | 84 | 78 | 78 | 79 | 80 | 81 | 83 | 86 | 88 | 88 | 85 | 79 | 74 | 68 | 67 | 72 | 78 | 83 | 90 |
| 14 | 97 | 103 | 104 | 103 | 97 | 89 | 81 | 77 | 78 | 81 | 82 | 84 | 87 | 90 | 90 | 89 | 84 | 77 | 70 | 66 | 68 | 75 | 81 | 88 |
| 15 | 95 | 102 | 106 | 107 | 103 | 95 | 85 | 78 | 77 | 81 | 84 | 86 | 88 | 92 | 93 | 92 | 90 | 83 | 73 | 66 | 65 | 72 | 80 | 86 |
| 16 | 93 | 100 | 107 | 109 | 108 | 103 | 92 | 82 | 77 | 80 | 86 | 89 | 90 | 93 | 96 | 97 | 94 | 90 | 80 | 69 | 64 | 67 | 77 | 85 |
| 17 | 90 | 97 | 104 | 109 | 110 | 108 | 101 | 88 | 79 | 79 | 85 | 92 | 94 | 96 | 99 | 101 | 100 | 96 | 90 | 76 | 65 | 63 | 71 | 82 |
| 18 | 89 | 93 | 100 | 106 | 110 | 110 | 107 | 97 | 83 | 78 | 83 | 93 | 98 | 99 | 101 | 104 | 105 | 103 | 98 | 88 | 73 | 63 | 66 | 76 |
| 19 | 86 | 90 | 95 | 101 | 106 | 108 | 108 | 104 | 92 | 80 | 79 | 89 | 99 | 103 | 104 | 107 | 110 | 109 | 105 | 99 | 86 | 70 | 63 | 70 |
| 20 | 81 | 88 | 91 | 95 | 101 | 104 | 105 | 104 | 99 | 86 | 78 | 83 | 94 | 104 | 106 | 109 | 113 | 114 | 112 | 107 | 99 | 84 | 69 | 66 |
| 21 | 74 | 83 | 88 | 90 | 95 | 99 | 101 | 100 | 99 | 92 | 81 | 77 | 85 | 97 | 105 | 108 | 112 | 116 | 116 | 113 | 108 | 99 | 84 | 71 |
| 22 | 70 | 77 | 84 | 87 | 90 | 94 | 96 | 96 | 95 | 93 | 87 | 78 | 77 | 86 | 96 | 103 | 108 | 113 | 117 | 116 | 113 | 109 | 100 | 85 |
| 23 | 74 | 74 | 78 | 83 | 86 | 89 | 91 | 91 | 90 | 90 | 89 | 83 | 76 | 76 | 83 | 91 | 100 | 106 | 112 | 115 | 115 | 113 | 110 | 102 |
| 24 | 88 | 78 | 76 | 77 | 82 | 85 | 87 | 88 | 87 | 86 | 87 | 86 | 80 | 73 | 72 | 77 | 85 | 94 | 102 | 108 | 111 | 113 | 113 | 112 |
| 25 | 104 | 91 | 80 | 75 | 76 | 80 | 84 | 86 | 85 | 84 | 85 | 86 | 85 | 78 | 70 | 66 | 68 | 77 | 88 | 97 | 102 | 107 | 111 | 114 |
| 26 | 113 | 106 | 93 | 81 | 74 | 74 | 80 | 84 | 84 | 83 | 84 | 86 | 87 | 85 | 76 | 66 | 59 | 60 | 70 | 82 | 91 | 97 | 103 | 110 |
| 27 | 115 | 114 | 107 | 92 | 79 | 71 | 72 | 80 | 84 | 84 | 84 | 87 | 89 | 89 | 85 | 74 | 62 | 53 | 53 | 64 | 77 | 85 | 92 | 101 |
| 28 | 110 | 114 | 113 | 105 | 91 | 76 | 68 | 72 | 81 | 85 | 86 | 87 | 91 | 93 | 91 | 86 | 73 | 58 | 47 | 49 | 62 | 74 | 82 | 89 |
| 29 | 100 | 108 | 112 | 111 | 103 | 88 | 72 | 66 | 73 | 84 | 88 | 89 | 93 | 97 | 97 | 94 | 88 | 73 | 56 | 44 | 48 | 63 | 73 | 80 |
| 30 | 88 | 99 | 106 | 108 | 108 | 100 | 84 | 69 | 66 | 77 | 88 | 92 | 94 | 99 | 102 | 101 | 98 | 91 | 74 | 55 | 45 | 52 | 66 | 74 |
| 31 | 79 | 88 | 97 | 103 | 105 | 105 | 96 | 79 | 66 | 69 | 83 | 92 | 95 | 98 | 104 | 106 | 104 | 102 | 93 | 74 | 56 | 50 | 60 | 71 |

PUERTO DE MONTEVIDEO

NOVIEMBRE 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----|-----------|-----|-----|-----|-----|-----|-----|-----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | |
| 1 | 76 | 81 | 88 | 96 | 99 | 102 | 102 | 91 | 75 | 67 | 74 | 88 | 95 | 98 | 103 | 108 | 109 | 108 | 105 | 94 | 75 | 60 | 59 | 68 | |
| 2 | 76 | 79 | 83 | 89 | 94 | 97 | 100 | 98 | 85 | 73 | 71 | 80 | 91 | 97 | 100 | 105 | 109 | 110 | 110 | 107 | 94 | 77 | 67 | 69 | |
| 3 | 76 | 81 | 82 | 85 | 89 | 93 | 95 | 97 | 93 | 82 | 74 | 76 | 84 | 93 | 97 | 101 | 106 | 109 | 111 | 111 | 106 | 93 | 81 | 76 | |
| 4 | 77 | 82 | 84 | 85 | 87 | 90 | 92 | 94 | 94 | 88 | 80 | 78 | 80 | 86 | 92 | 97 | 101 | 105 | 108 | 110 | 109 | 103 | 93 | 86 | |
| 5 | 83 | 83 | 86 | 87 | 88 | 88 | 89 | 91 | 92 | 91 | 86 | 82 | 81 | 82 | 86 | 91 | 96 | 99 | 102 | 106 | 107 | 106 | 101 | 94 | |
| 6 | 91 | 87 | 86 | 88 | 89 | 89 | 88 | 88 | 90 | 90 | 88 | 85 | 84 | 82 | 81 | 84 | 90 | 93 | 96 | 99 | 103 | 105 | 103 | 100 | |
| 7 | 96 | 93 | 88 | 86 | 89 | 89 | 88 | 86 | 87 | 88 | 88 | 87 | 85 | 84 | 81 | 79 | 83 | 88 | 90 | 92 | 97 | 101 | 102 | 102 | |
| 8 | 99 | 97 | 92 | 86 | 86 | 88 | 87 | 85 | 84 | 87 | 87 | 87 | 87 | 85 | 82 | 78 | 76 | 81 | 85 | 87 | 90 | 96 | 101 | 102 | |
| 9 | 102 | 99 | 95 | 89 | 83 | 84 | 86 | 84 | 83 | 84 | 87 | 87 | 87 | 86 | 83 | 79 | 74 | 75 | 80 | 83 | 85 | 90 | 97 | 102 | |
| 10 | 103 | 102 | 97 | 91 | 84 | 81 | 82 | 83 | 82 | 82 | 85 | 88 | 88 | 88 | 85 | 80 | 74 | 71 | 74 | 79 | 82 | 86 | 93 | 100 | |
| 11 | 104 | 104 | 102 | 94 | 87 | 81 | 79 | 82 | 82 | 82 | 84 | 88 | 90 | 90 | 89 | 83 | 76 | 71 | 70 | 74 | 79 | 83 | 89 | 97 | |
| 12 | 104 | 106 | 105 | 100 | 91 | 83 | 78 | 79 | 82 | 83 | 85 | 89 | 93 | 94 | 92 | 89 | 80 | 72 | 68 | 70 | 76 | 82 | 87 | 94 | |
| 13 | 102 | 107 | 108 | 106 | 99 | 88 | 80 | 78 | 82 | 86 | 88 | 91 | 95 | 98 | 98 | 95 | 89 | 78 | 69 | 67 | 71 | 80 | 86 | 91 | |
| 14 | 99 | 106 | 109 | 109 | 106 | 97 | 85 | 79 | 81 | 87 | 93 | 95 | 99 | 103 | 105 | 103 | 98 | 90 | 77 | 67 | 67 | 75 | 84 | 90 | |
| 15 | 96 | 103 | 108 | 110 | 110 | 105 | 94 | 83 | 80 | 86 | 95 | 101 | 103 | 107 | 111 | 111 | 108 | 102 | 91 | 75 | 67 | 70 | 81 | 89 | |
| 16 | 94 | 99 | 105 | 109 | 110 | 109 | 104 | 91 | 81 | 83 | 93 | 103 | 108 | 111 | 115 | 118 | 117 | 113 | 106 | 91 | 74 | 69 | 75 | 86 | |
| 17 | 93 | 96 | 101 | 106 | 109 | 109 | 108 | 101 | 88 | 81 | 87 | 99 | 110 | 114 | 117 | 122 | 124 | 122 | 117 | 108 | 91 | 75 | 72 | 81 | |
| 18 | 91 | 95 | 97 | 102 | 106 | 107 | 107 | 105 | 97 | 84 | 81 | 90 | 104 | 113 | 117 | 122 | 127 | 128 | 125 | 120 | 109 | 91 | 77 | 77 | |
| 19 | 85 | 93 | 95 | 97 | 101 | 103 | 104 | 103 | 101 | 91 | 81 | 81 | 92 | 104 | 112 | 117 | 124 | 128 | 129 | 127 | 121 | 109 | 92 | 81 | |
| 20 | 81 | 87 | 93 | 95 | 97 | 99 | 100 | 100 | 99 | 96 | 86 | 78 | 80 | 89 | 100 | 109 | 115 | 122 | 126 | 127 | 126 | 121 | 109 | 93 | |
| 21 | 84 | 83 | 87 | 91 | 93 | 95 | 96 | 96 | 95 | 94 | 91 | 82 | 75 | 77 | 84 | 94 | 103 | 111 | 117 | 121 | 124 | 123 | 119 | 109 | |
| 22 | 95 | 86 | 83 | 86 | 90 | 92 | 92 | 92 | 92 | 92 | 91 | 88 | 79 | 72 | 71 | 76 | 86 | 96 | 103 | 110 | 115 | 119 | 120 | 118 | |
| 23 | 109 | 95 | 85 | 80 | 83 | 88 | 89 | 89 | 89 | 89 | 90 | 90 | 87 | 77 | 67 | 64 | 68 | 79 | 88 | 95 | 102 | 108 | 114 | 117 | |
| 24 | 116 | 107 | 93 | 82 | 77 | 81 | 86 | 87 | 87 | 88 | 89 | 91 | 91 | 86 | 74 | 63 | 57 | 62 | 72 | 81 | 88 | 95 | 103 | 110 | |
| 25 | 114 | 113 | 104 | 89 | 78 | 74 | 79 | 85 | 87 | 87 | 89 | 92 | 94 | 93 | 87 | 73 | 60 | 53 | 57 | 68 | 76 | 82 | 90 | 99 | |
| 26 | 106 | 110 | 109 | 99 | 85 | 74 | 72 | 79 | 85 | 88 | 90 | 93 | 97 | 98 | 96 | 88 | 73 | 58 | 51 | 56 | 66 | 74 | 80 | 87 | |
| 27 | 97 | 103 | 107 | 105 | 95 | 81 | 71 | 71 | 80 | 88 | 91 | 94 | 99 | 103 | 103 | 99 | 90 | 74 | 59 | 52 | 58 | 68 | 75 | 80 | |
| 28 | 87 | 96 | 101 | 103 | 101 | 91 | 78 | 69 | 72 | 84 | 92 | 96 | 100 | 105 | 108 | 107 | 103 | 93 | 77 | 62 | 57 | 65 | 74 | 78 | |
| 29 | 82 | 89 | 95 | 98 | 100 | 98 | 89 | 76 | 70 | 77 | 89 | 97 | 100 | 105 | 111 | 112 | 111 | 107 | 97 | 80 | 66 | 65 | 74 | 81 | |
| 30 | 83 | 86 | 92 | 96 | 97 | 100 | 97 | 86 | 75 | 73 | 83 | 95 | 100 | 105 | 110 | 114 | 115 | 114 | 111 | 99 | 83 | 73 | 74 | 83 | |

PUERTO DE MONTEVIDEO

DICIEMBRE 2023

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|-----|-----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 87 | 88 | 91 | 94 | 96 | 98 | 100 | 95 | 85 | 77 | 78 | 89 | 98 | 103 | 108 | 113 | 116 | 117 | 117 | 113 | 100 | 87 | 81 | 84 |
| 2 | 91 | 93 | 93 | 95 | 96 | 97 | 99 | 100 | 93 | 84 | 80 | 83 | 93 | 100 | 105 | 110 | 114 | 117 | 118 | 118 | 112 | 100 | 91 | 89 |
| 3 | 92 | 96 | 97 | 97 | 97 | 98 | 99 | 100 | 98 | 91 | 85 | 84 | 87 | 94 | 100 | 105 | 110 | 113 | 116 | 118 | 116 | 109 | 100 | 95 |
| 4 | 94 | 95 | 98 | 99 | 99 | 98 | 98 | 99 | 99 | 95 | 89 | 86 | 86 | 88 | 94 | 100 | 105 | 108 | 111 | 115 | 116 | 113 | 106 | 100 |
| 5 | 98 | 95 | 96 | 98 | 99 | 98 | 96 | 97 | 97 | 96 | 92 | 88 | 87 | 86 | 87 | 93 | 99 | 102 | 105 | 109 | 112 | 112 | 109 | 103 |
| 6 | 100 | 97 | 93 | 95 | 97 | 97 | 94 | 93 | 95 | 95 | 93 | 89 | 87 | 86 | 84 | 85 | 92 | 97 | 99 | 102 | 107 | 110 | 109 | 105 |
| 7 | 101 | 98 | 93 | 90 | 93 | 95 | 93 | 90 | 91 | 93 | 92 | 90 | 87 | 85 | 83 | 80 | 84 | 91 | 94 | 96 | 100 | 105 | 108 | 106 |
| 8 | 103 | 99 | 94 | 88 | 87 | 90 | 91 | 88 | 87 | 90 | 91 | 90 | 89 | 85 | 82 | 78 | 78 | 84 | 89 | 91 | 94 | 99 | 105 | 107 |
| 9 | 105 | 101 | 95 | 88 | 84 | 85 | 88 | 87 | 85 | 87 | 90 | 92 | 90 | 88 | 83 | 77 | 75 | 77 | 83 | 87 | 89 | 94 | 101 | 106 |
| 10 | 107 | 105 | 99 | 90 | 84 | 82 | 85 | 87 | 86 | 87 | 90 | 94 | 94 | 92 | 88 | 80 | 74 | 73 | 77 | 83 | 87 | 90 | 96 | 103 |
| 11 | 107 | 107 | 104 | 96 | 86 | 82 | 83 | 87 | 89 | 89 | 92 | 96 | 99 | 98 | 95 | 88 | 78 | 72 | 72 | 78 | 84 | 88 | 93 | 100 |
| 12 | 106 | 109 | 108 | 103 | 93 | 84 | 82 | 85 | 91 | 94 | 96 | 101 | 105 | 106 | 104 | 99 | 89 | 77 | 71 | 73 | 80 | 87 | 91 | 97 |
| 13 | 104 | 109 | 110 | 108 | 103 | 91 | 83 | 83 | 89 | 97 | 102 | 106 | 111 | 114 | 114 | 110 | 103 | 91 | 77 | 72 | 75 | 84 | 91 | 95 |
| 14 | 101 | 107 | 111 | 111 | 109 | 102 | 90 | 83 | 86 | 95 | 105 | 111 | 115 | 121 | 123 | 122 | 117 | 108 | 93 | 78 | 74 | 79 | 89 | 96 |
| 15 | 99 | 105 | 109 | 111 | 111 | 109 | 101 | 88 | 83 | 89 | 102 | 112 | 118 | 124 | 129 | 131 | 128 | 123 | 113 | 95 | 80 | 77 | 85 | 95 |
| 16 | 99 | 102 | 107 | 110 | 111 | 111 | 108 | 98 | 85 | 82 | 92 | 106 | 117 | 123 | 129 | 135 | 136 | 134 | 129 | 116 | 96 | 82 | 81 | 90 |
| 17 | 99 | 101 | 104 | 107 | 110 | 110 | 110 | 106 | 94 | 82 | 82 | 93 | 108 | 118 | 125 | 132 | 137 | 139 | 137 | 132 | 117 | 96 | 85 | 86 |
| 18 | 94 | 100 | 102 | 104 | 107 | 108 | 108 | 107 | 101 | 88 | 78 | 81 | 92 | 106 | 116 | 123 | 131 | 136 | 139 | 137 | 131 | 116 | 97 | 87 |
| 19 | 89 | 95 | 100 | 101 | 103 | 104 | 105 | 105 | 103 | 96 | 83 | 75 | 78 | 88 | 101 | 110 | 118 | 126 | 132 | 135 | 134 | 128 | 113 | 97 |
| 20 | 89 | 89 | 95 | 99 | 100 | 100 | 101 | 102 | 101 | 98 | 91 | 79 | 72 | 73 | 82 | 94 | 103 | 111 | 118 | 125 | 129 | 128 | 123 | 110 |
| 21 | 96 | 88 | 87 | 93 | 96 | 97 | 97 | 98 | 98 | 97 | 95 | 88 | 76 | 68 | 68 | 76 | 87 | 95 | 102 | 109 | 117 | 121 | 121 | 118 |
| 22 | 107 | 93 | 85 | 85 | 90 | 93 | 93 | 94 | 95 | 96 | 95 | 94 | 87 | 74 | 64 | 63 | 71 | 80 | 86 | 93 | 100 | 108 | 112 | 115 |
| 23 | 113 | 102 | 89 | 81 | 82 | 88 | 90 | 90 | 92 | 94 | 95 | 96 | 95 | 87 | 73 | 62 | 60 | 67 | 74 | 79 | 85 | 93 | 100 | 105 |
| 24 | 110 | 108 | 97 | 84 | 78 | 80 | 85 | 88 | 89 | 92 | 95 | 97 | 99 | 98 | 88 | 73 | 62 | 60 | 65 | 71 | 75 | 81 | 88 | 95 |
| 25 | 101 | 105 | 102 | 92 | 81 | 75 | 78 | 84 | 88 | 91 | 95 | 99 | 102 | 103 | 101 | 89 | 75 | 65 | 61 | 65 | 71 | 75 | 80 | 86 |
| 26 | 93 | 98 | 102 | 98 | 88 | 79 | 74 | 77 | 84 | 90 | 95 | 99 | 104 | 107 | 108 | 104 | 93 | 80 | 69 | 65 | 69 | 74 | 78 | 82 |
| 27 | 87 | 93 | 97 | 99 | 95 | 87 | 78 | 74 | 79 | 88 | 94 | 99 | 104 | 110 | 112 | 112 | 108 | 97 | 85 | 73 | 70 | 76 | 81 | 84 |
| 28 | 86 | 91 | 95 | 97 | 98 | 95 | 87 | 78 | 75 | 82 | 93 | 99 | 104 | 110 | 115 | 116 | 116 | 112 | 102 | 89 | 78 | 78 | 85 | 89 |
| 29 | 90 | 92 | 95 | 98 | 99 | 100 | 96 | 87 | 78 | 78 | 88 | 98 | 104 | 109 | 114 | 119 | 119 | 120 | 115 | 105 | 92 | 84 | 87 | 94 |
| 30 | 96 | 97 | 98 | 100 | 100 | 101 | 101 | 96 | 86 | 80 | 83 | 94 | 102 | 107 | 112 | 118 | 121 | 122 | 122 | 116 | 105 | 94 | 91 | 96 |
| 31 | 101 | 102 | 101 | 102 | 103 | 103 | 104 | 102 | 94 | 86 | 83 | 88 | 98 | 104 | 110 | 115 | 119 | 122 | 124 | 123 | 115 | 104 | 97 | 96 |

PUERTO DE MONTEVIDEO

ENERO 2024

Latitud 34° 54' 12" S

Los valores están dados en centímetros

Huso + 3

Longitud 56° 15' 23" W

| H O R A S | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| DD | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 |
| 1 | 102 | 105 | 105 | 105 | 104 | 104 | 104 | 104 | 99 | 90 | 85 | 85 | 91 | 100 | 106 | 111 | 115 | 119 | 122 | 123 | 120 | 110 | 102 | 99 |
| 2 | 100 | 103 | 106 | 106 | 105 | 104 | 104 | 103 | 101 | 94 | 88 | 86 | 87 | 93 | 100 | 106 | 111 | 114 | 118 | 121 | 120 | 114 | 105 | 101 |
| 3 | 99 | 99 | 102 | 104 | 104 | 102 | 101 | 102 | 100 | 96 | 89 | 86 | 86 | 88 | 93 | 100 | 105 | 109 | 112 | 116 | 118 | 115 | 108 | 101 |
| 4 | 98 | 97 | 97 | 100 | 102 | 100 | 98 | 98 | 98 | 96 | 91 | 85 | 84 | 85 | 87 | 93 | 99 | 103 | 106 | 109 | 113 | 113 | 109 | 103 |
| 5 | 97 | 95 | 93 | 95 | 98 | 98 | 96 | 94 | 95 | 95 | 91 | 87 | 83 | 82 | 82 | 86 | 93 | 98 | 100 | 102 | 106 | 110 | 109 | 105 |
| 6 | 99 | 94 | 91 | 90 | 93 | 96 | 94 | 92 | 92 | 93 | 92 | 89 | 85 | 80 | 79 | 80 | 85 | 92 | 95 | 97 | 100 | 104 | 107 | 105 |
| 7 | 102 | 95 | 90 | 88 | 89 | 93 | 94 | 92 | 91 | 93 | 94 | 93 | 90 | 84 | 78 | 77 | 79 | 85 | 91 | 93 | 95 | 99 | 103 | 105 |
| 8 | 104 | 100 | 92 | 87 | 86 | 90 | 94 | 94 | 93 | 94 | 97 | 98 | 96 | 92 | 85 | 77 | 76 | 79 | 85 | 90 | 91 | 94 | 99 | 104 |
| 9 | 105 | 104 | 99 | 90 | 86 | 87 | 92 | 96 | 97 | 98 | 101 | 104 | 105 | 102 | 96 | 86 | 78 | 76 | 80 | 86 | 90 | 92 | 96 | 101 |
| 10 | 105 | 106 | 104 | 97 | 89 | 85 | 88 | 94 | 100 | 103 | 106 | 111 | 114 | 113 | 109 | 101 | 89 | 79 | 77 | 81 | 88 | 92 | 95 | 99 |
| 11 | 104 | 107 | 107 | 104 | 97 | 88 | 85 | 89 | 98 | 106 | 110 | 116 | 121 | 123 | 122 | 117 | 107 | 93 | 82 | 79 | 83 | 91 | 95 | 99 |
| 12 | 103 | 107 | 109 | 108 | 105 | 96 | 87 | 84 | 90 | 101 | 111 | 118 | 124 | 130 | 132 | 130 | 124 | 113 | 96 | 83 | 80 | 87 | 95 | 99 |
| 13 | 102 | 106 | 109 | 110 | 109 | 105 | 95 | 84 | 81 | 90 | 105 | 116 | 123 | 131 | 137 | 139 | 137 | 131 | 118 | 98 | 85 | 83 | 92 | 100 |
| 14 | 103 | 105 | 109 | 111 | 111 | 109 | 105 | 91 | 79 | 78 | 90 | 107 | 118 | 125 | 134 | 141 | 143 | 141 | 136 | 120 | 98 | 85 | 86 | 96 |
| 15 | 103 | 105 | 107 | 110 | 111 | 111 | 109 | 101 | 85 | 74 | 76 | 90 | 106 | 116 | 125 | 134 | 141 | 144 | 143 | 136 | 118 | 97 | 86 | 90 |
| 16 | 99 | 104 | 105 | 107 | 109 | 111 | 110 | 107 | 96 | 79 | 69 | 73 | 87 | 102 | 112 | 121 | 130 | 138 | 142 | 141 | 133 | 113 | 95 | 87 |
| 17 | 92 | 100 | 104 | 104 | 106 | 108 | 109 | 108 | 103 | 90 | 73 | 66 | 70 | 84 | 97 | 105 | 114 | 124 | 132 | 136 | 135 | 125 | 108 | 92 |
| 18 | 87 | 92 | 99 | 102 | 102 | 104 | 106 | 107 | 104 | 98 | 85 | 70 | 64 | 68 | 80 | 91 | 98 | 106 | 115 | 123 | 127 | 125 | 117 | 102 |
| 19 | 90 | 85 | 90 | 97 | 99 | 99 | 101 | 104 | 104 | 101 | 95 | 83 | 69 | 62 | 66 | 76 | 84 | 90 | 97 | 106 | 113 | 115 | 115 | 110 |
| 20 | 97 | 86 | 83 | 88 | 95 | 95 | 96 | 99 | 102 | 101 | 99 | 95 | 83 | 70 | 63 | 65 | 74 | 79 | 82 | 89 | 97 | 103 | 105 | 107 |
| 21 | 103 | 92 | 83 | 81 | 86 | 91 | 92 | 94 | 98 | 100 | 100 | 100 | 97 | 85 | 72 | 65 | 67 | 72 | 75 | 77 | 83 | 90 | 94 | 98 |
| 22 | 102 | 98 | 88 | 80 | 79 | 84 | 88 | 89 | 93 | 97 | 100 | 101 | 103 | 100 | 88 | 76 | 69 | 69 | 72 | 73 | 76 | 80 | 85 | 90 |
| 23 | 95 | 99 | 94 | 85 | 79 | 79 | 82 | 86 | 89 | 94 | 99 | 102 | 105 | 107 | 103 | 92 | 81 | 74 | 72 | 73 | 75 | 78 | 81 | 84 |
| 24 | 89 | 94 | 96 | 91 | 84 | 79 | 77 | 81 | 86 | 91 | 97 | 101 | 106 | 110 | 112 | 106 | 97 | 87 | 79 | 76 | 78 | 80 | 82 | 84 |
| 25 | 87 | 92 | 96 | 96 | 91 | 85 | 79 | 76 | 81 | 88 | 95 | 100 | 106 | 111 | 115 | 115 | 110 | 102 | 92 | 82 | 81 | 85 | 88 | 88 |
| 26 | 89 | 93 | 96 | 97 | 97 | 93 | 86 | 78 | 77 | 84 | 93 | 99 | 104 | 111 | 116 | 118 | 118 | 114 | 105 | 94 | 86 | 87 | 93 | 95 |
| 27 | 95 | 95 | 98 | 99 | 100 | 99 | 94 | 85 | 77 | 79 | 89 | 98 | 103 | 109 | 115 | 120 | 121 | 121 | 116 | 106 | 95 | 90 | 95 | 100 |
| 28 | 101 | 100 | 101 | 102 | 102 | 102 | 100 | 93 | 83 | 78 | 83 | 94 | 102 | 107 | 113 | 119 | 122 | 123 | 122 | 115 | 104 | 95 | 94 | 101 |
| 29 | 105 | 104 | 104 | 105 | 105 | 104 | 103 | 98 | 89 | 81 | 80 | 89 | 98 | 105 | 110 | 116 | 121 | 124 | 124 | 121 | 111 | 100 | 95 | 98 |
| 30 | 104 | 106 | 106 | 106 | 106 | 105 | 104 | 102 | 94 | 85 | 81 | 84 | 93 | 101 | 107 | 112 | 118 | 122 | 124 | 123 | 115 | 104 | 97 | 96 |
| 31 | 100 | 105 | 106 | 105 | 105 | 105 | 104 | 103 | 97 | 88 | 81 | 82 | 87 | 96 | 102 | 108 | 113 | 118 | 121 | 121 | 118 | 108 | 98 | 95 |

