

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



**TABLAS
DE
MAREAS
2023**

PUNTA DEL ESTE

PUBLICACIÓN N° 3

36ª EDICIÓN 2022

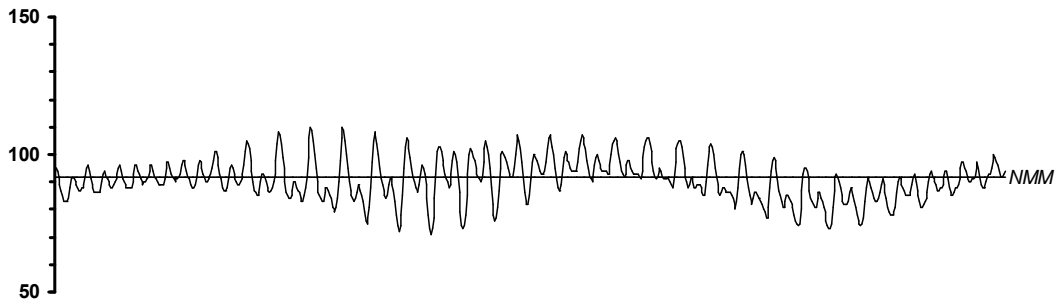
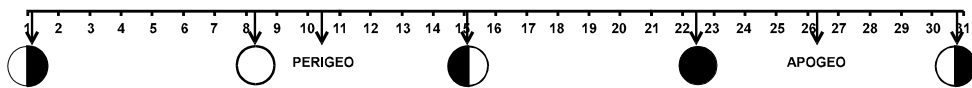
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PUERTO DE PUNTA DEL ESTE

| | |
|---------------------------------|--------------------------------------|
| Latitud | 34° 57.7' S |
| Longitud | 54° 57.1' W |
| Huso Horario | + 3 |
| Régimen de marea | Semidiurno con desigualdades diurnas |
| Establecimiento de Puerto Medio | VII h 11 m |
| Nivel Medio | 92 cm |
| Carta de Referencia | N° 31 edición Febrero 2020 |

Alturas en centímetros referidas al Plano de Reducción de las cartas de referencia. El plano de Reducción coincide con el cero de la escala del Puerto de Punta del Este y el cero de la escala del Puerto de Punta del Este coincide con el Plano Hidrométrico Provisorio (Ex-Wharton).

| Marea | Alturas en centímetros sobre el plano de reducción | | | | Amplitudes | |
|--------------------------|--|-------------|-----------|-------------|------------|-------------|
| | Pleamares | | Bajamares | | Sicigias | Cuadraturas |
| | Sicigias | Cuadraturas | Sicigias | Cuadraturas | | |
| Equinocciales de perigeo | 102 | 93 | 82 | 91 | 20 | 2 |
| De Perigeo | 102 | 94 | 82 | 90 | 20 | 4 |
| Medias | 99 | 97 | 85 | 87 | 14 | 10 |



PUERTO DE PUNTA DEL ESTE

ENERO 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 90 | 95 | 99 | 100 | 98 | 96 | 92 | 88 | 83 | 79 | 77 | 76 | 77 | 81 | 87 | 91 | 93 | 93 | 93 | 92 | 90 | 88 | 88 |
| 2 | 88 | 89 | 92 | 96 | 99 | 99 | 97 | 94 | 91 | 87 | 84 | 81 | 79 | 78 | 79 | 84 | 89 | 92 | 92 | 92 | 92 | 91 | 90 | 89 |
| 3 | 89 | 89 | 90 | 93 | 96 | 98 | 98 | 96 | 94 | 92 | 89 | 86 | 84 | 82 | 81 | 82 | 86 | 90 | 92 | 92 | 92 | 92 | 91 | 91 |
| 4 | 91 | 91 | 91 | 91 | 93 | 97 | 98 | 98 | 97 | 96 | 94 | 92 | 89 | 87 | 85 | 84 | 85 | 88 | 91 | 91 | 91 | 91 | 91 | 91 |
| 5 | 91 | 91 | 91 | 91 | 91 | 94 | 97 | 100 | 100 | 100 | 99 | 97 | 95 | 92 | 90 | 88 | 86 | 87 | 89 | 90 | 90 | 90 | 90 | 91 |
| 6 | 91 | 91 | 91 | 90 | 89 | 90 | 94 | 99 | 102 | 103 | 103 | 102 | 100 | 97 | 94 | 92 | 89 | 87 | 87 | 89 | 89 | 89 | 89 | 89 |
| 7 | 90 | 90 | 89 | 88 | 87 | 87 | 89 | 95 | 101 | 104 | 105 | 105 | 104 | 101 | 98 | 95 | 92 | 89 | 87 | 87 | 88 | 88 | 88 | 88 |
| 8 | 89 | 89 | 88 | 86 | 85 | 84 | 85 | 89 | 96 | 102 | 106 | 106 | 105 | 103 | 99 | 96 | 94 | 91 | 88 | 86 | 86 | 87 | 88 | 88 |
| 9 | 88 | 89 | 88 | 85 | 83 | 81 | 81 | 83 | 89 | 97 | 103 | 104 | 103 | 101 | 99 | 96 | 93 | 91 | 88 | 86 | 84 | 85 | 87 | 88 |
| 10 | 88 | 89 | 88 | 86 | 83 | 80 | 79 | 80 | 83 | 90 | 97 | 101 | 101 | 98 | 96 | 93 | 91 | 89 | 88 | 86 | 84 | 83 | 85 | 88 |
| 11 | 89 | 89 | 89 | 87 | 84 | 81 | 79 | 79 | 80 | 84 | 90 | 95 | 97 | 96 | 93 | 90 | 88 | 86 | 86 | 85 | 84 | 82 | 83 | 86 |
| 12 | 88 | 89 | 89 | 88 | 86 | 83 | 80 | 79 | 79 | 81 | 85 | 90 | 94 | 94 | 91 | 88 | 86 | 85 | 84 | 84 | 84 | 83 | 82 | 83 |
| 13 | 86 | 89 | 89 | 88 | 86 | 84 | 81 | 79 | 79 | 81 | 83 | 86 | 91 | 93 | 92 | 89 | 86 | 85 | 84 | 84 | 85 | 85 | 84 | 83 |
| 14 | 85 | 87 | 89 | 88 | 86 | 84 | 82 | 80 | 79 | 80 | 82 | 84 | 88 | 92 | 93 | 92 | 89 | 87 | 87 | 87 | 87 | 87 | 87 | 86 |
| 15 | 86 | 87 | 89 | 89 | 88 | 85 | 83 | 81 | 79 | 79 | 81 | 83 | 86 | 89 | 94 | 95 | 94 | 92 | 90 | 90 | 90 | 90 | 91 | 91 |
| 16 | 90 | 89 | 91 | 92 | 91 | 88 | 86 | 83 | 81 | 79 | 80 | 81 | 84 | 87 | 92 | 96 | 98 | 97 | 95 | 94 | 93 | 93 | 93 | 94 |
| 17 | 94 | 93 | 93 | 95 | 96 | 95 | 92 | 89 | 86 | 83 | 80 | 80 | 82 | 85 | 89 | 94 | 99 | 101 | 99 | 97 | 95 | 94 | 95 | 95 |
| 18 | 97 | 97 | 97 | 98 | 100 | 101 | 100 | 97 | 93 | 89 | 85 | 82 | 82 | 83 | 86 | 90 | 96 | 101 | 101 | 99 | 96 | 94 | 94 | 94 |
| 19 | 96 | 98 | 99 | 100 | 102 | 106 | 108 | 107 | 104 | 99 | 94 | 89 | 85 | 84 | 85 | 88 | 92 | 97 | 100 | 99 | 96 | 93 | 91 | 91 |
| 20 | 92 | 94 | 96 | 98 | 101 | 105 | 110 | 113 | 113 | 110 | 105 | 99 | 93 | 88 | 86 | 87 | 89 | 92 | 96 | 98 | 96 | 92 | 89 | 88 |
| 21 | 88 | 89 | 91 | 93 | 96 | 100 | 106 | 113 | 117 | 117 | 114 | 109 | 102 | 95 | 91 | 88 | 88 | 89 | 92 | 94 | 95 | 92 | 88 | 86 |
| 22 | 85 | 85 | 85 | 87 | 88 | 91 | 97 | 105 | 113 | 118 | 119 | 116 | 111 | 104 | 97 | 92 | 89 | 88 | 88 | 90 | 92 | 92 | 89 | 87 |
| 23 | 85 | 84 | 82 | 81 | 82 | 83 | 86 | 92 | 102 | 111 | 116 | 117 | 114 | 109 | 103 | 96 | 91 | 89 | 87 | 86 | 88 | 90 | 91 | 89 |
| 24 | 87 | 86 | 84 | 81 | 78 | 77 | 77 | 80 | 87 | 98 | 107 | 112 | 113 | 110 | 106 | 100 | 94 | 90 | 87 | 85 | 85 | 87 | 90 | 92 |
| 25 | 91 | 90 | 87 | 84 | 79 | 75 | 73 | 73 | 76 | 83 | 93 | 102 | 106 | 107 | 105 | 101 | 96 | 91 | 87 | 84 | 83 | 84 | 88 | 92 |
| 26 | 94 | 94 | 92 | 89 | 84 | 78 | 73 | 70 | 70 | 73 | 81 | 90 | 98 | 101 | 102 | 101 | 97 | 93 | 88 | 85 | 83 | 82 | 85 | 90 |
| 27 | 95 | 97 | 96 | 94 | 89 | 84 | 78 | 73 | 70 | 70 | 73 | 80 | 89 | 95 | 98 | 99 | 98 | 95 | 91 | 87 | 84 | 83 | 84 | 87 |
| 28 | 93 | 97 | 98 | 97 | 94 | 89 | 84 | 78 | 75 | 73 | 73 | 76 | 82 | 89 | 94 | 97 | 97 | 96 | 93 | 90 | 87 | 86 | 85 | 86 |
| 29 | 90 | 95 | 99 | 98 | 96 | 93 | 89 | 85 | 81 | 78 | 77 | 77 | 80 | 85 | 91 | 95 | 96 | 96 | 96 | 93 | 91 | 89 | 89 | 89 |
| 30 | 90 | 93 | 97 | 99 | 98 | 95 | 93 | 90 | 87 | 85 | 84 | 82 | 82 | 84 | 89 | 94 | 96 | 96 | 96 | 96 | 94 | 93 | 92 | 92 |
| 31 | 92 | 93 | 95 | 98 | 99 | 97 | 96 | 94 | 93 | 92 | 90 | 89 | 88 | 87 | 88 | 92 | 95 | 96 | 96 | 96 | 95 | 95 | 94 | 94 |

PUERTO DE PUNTA DEL ESTE

FEBRERO 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

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

PUERTO DE PUNTA DEL ESTE

MARZO 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 96 | 98 | 100 | 101 | 100 | 98 | 97 | 98 | 99 | 99 | 99 | 99 | 97 | 96 | 96 | 98 | 99 | 98 | 97 | 96 | 96 | 95 | 95 | 96 |
| 2 | 97 | 97 | 99 | 101 | 102 | 102 | 101 | 102 | 103 | 104 | 104 | 103 | 101 | 98 | 96 | 96 | 98 | 97 | 96 | 94 | 94 | 93 | 93 | 94 |
| 3 | 95 | 95 | 95 | 98 | 100 | 102 | 103 | 103 | 105 | 106 | 106 | 105 | 103 | 100 | 96 | 94 | 95 | 95 | 94 | 92 | 91 | 91 | 90 | 90 |
| 4 | 90 | 91 | 91 | 92 | 95 | 99 | 102 | 103 | 104 | 105 | 105 | 104 | 102 | 100 | 96 | 93 | 92 | 92 | 92 | 91 | 89 | 88 | 87 | 86 |
| 5 | 86 | 86 | 86 | 86 | 88 | 92 | 97 | 100 | 100 | 101 | 101 | 100 | 98 | 96 | 94 | 91 | 89 | 88 | 89 | 89 | 88 | 86 | 85 | 84 |
| 6 | 82 | 81 | 81 | 81 | 82 | 84 | 89 | 94 | 96 | 96 | 95 | 94 | 93 | 91 | 90 | 88 | 86 | 85 | 85 | 86 | 87 | 85 | 83 | 82 |
| 7 | 81 | 79 | 77 | 77 | 77 | 78 | 82 | 87 | 91 | 92 | 91 | 89 | 88 | 86 | 85 | 84 | 83 | 82 | 81 | 82 | 84 | 84 | 83 | 81 |
| 8 | 80 | 78 | 75 | 74 | 74 | 74 | 76 | 81 | 86 | 89 | 89 | 86 | 84 | 83 | 82 | 81 | 81 | 81 | 80 | 79 | 81 | 82 | 83 | 81 |
| 9 | 79 | 77 | 75 | 72 | 72 | 72 | 74 | 77 | 82 | 87 | 89 | 87 | 85 | 83 | 82 | 81 | 81 | 81 | 81 | 79 | 79 | 81 | 82 | 82 |
| 10 | 80 | 77 | 75 | 72 | 71 | 71 | 73 | 76 | 80 | 85 | 89 | 91 | 89 | 86 | 85 | 84 | 84 | 84 | 84 | 83 | 81 | 81 | 83 | 84 |
| 11 | 83 | 80 | 77 | 74 | 72 | 71 | 72 | 76 | 80 | 85 | 90 | 94 | 95 | 93 | 91 | 89 | 89 | 88 | 88 | 88 | 87 | 86 | 86 | 88 |
| 12 | 88 | 85 | 81 | 78 | 74 | 73 | 73 | 76 | 80 | 85 | 90 | 96 | 99 | 100 | 98 | 95 | 94 | 93 | 93 | 93 | 93 | 93 | 92 | 93 |
| 13 | 95 | 94 | 90 | 85 | 80 | 77 | 76 | 77 | 81 | 86 | 91 | 96 | 101 | 104 | 104 | 101 | 99 | 97 | 96 | 96 | 97 | 98 | 99 | 100 |
| 14 | 101 | 102 | 101 | 96 | 90 | 86 | 83 | 82 | 83 | 87 | 92 | 96 | 100 | 105 | 107 | 105 | 102 | 99 | 97 | 97 | 97 | 100 | 102 | 104 |
| 15 | 106 | 109 | 110 | 107 | 102 | 96 | 92 | 90 | 89 | 90 | 93 | 96 | 100 | 103 | 107 | 107 | 104 | 100 | 96 | 95 | 94 | 97 | 100 | 104 |
| 16 | 108 | 111 | 114 | 115 | 112 | 107 | 103 | 99 | 96 | 95 | 96 | 97 | 99 | 101 | 104 | 106 | 105 | 100 | 95 | 92 | 90 | 91 | 94 | 99 |
| 17 | 104 | 108 | 112 | 115 | 117 | 115 | 111 | 107 | 104 | 101 | 99 | 99 | 99 | 100 | 101 | 103 | 103 | 101 | 95 | 90 | 87 | 86 | 87 | 91 |
| 18 | 96 | 100 | 104 | 108 | 113 | 115 | 115 | 112 | 110 | 106 | 103 | 100 | 99 | 99 | 98 | 99 | 100 | 100 | 96 | 91 | 86 | 83 | 82 | 83 |
| 19 | 86 | 90 | 93 | 97 | 102 | 107 | 111 | 112 | 111 | 108 | 105 | 101 | 98 | 96 | 95 | 95 | 95 | 97 | 97 | 93 | 88 | 84 | 81 | 79 |
| 20 | 79 | 80 | 82 | 84 | 88 | 93 | 100 | 105 | 107 | 106 | 105 | 101 | 97 | 94 | 92 | 91 | 91 | 92 | 94 | 94 | 92 | 87 | 83 | 80 |
| 21 | 77 | 75 | 74 | 74 | 75 | 79 | 86 | 94 | 100 | 102 | 101 | 99 | 96 | 92 | 88 | 87 | 86 | 87 | 89 | 92 | 94 | 91 | 88 | 84 |
| 22 | 79 | 75 | 71 | 68 | 68 | 69 | 74 | 82 | 90 | 95 | 97 | 97 | 94 | 90 | 86 | 84 | 83 | 83 | 84 | 88 | 92 | 94 | 92 | 88 |
| 23 | 84 | 78 | 72 | 68 | 65 | 65 | 67 | 73 | 81 | 89 | 93 | 94 | 93 | 91 | 87 | 83 | 81 | 81 | 81 | 84 | 88 | 93 | 95 | 93 |
| 24 | 88 | 83 | 77 | 71 | 67 | 65 | 66 | 69 | 75 | 84 | 90 | 93 | 94 | 92 | 90 | 86 | 83 | 82 | 81 | 82 | 85 | 90 | 95 | 96 |
| 25 | 93 | 88 | 82 | 77 | 72 | 70 | 70 | 72 | 75 | 81 | 88 | 93 | 95 | 94 | 93 | 91 | 87 | 85 | 84 | 84 | 85 | 89 | 94 | 97 |
| 26 | 97 | 93 | 88 | 83 | 79 | 76 | 76 | 77 | 80 | 83 | 88 | 94 | 97 | 97 | 96 | 95 | 93 | 90 | 88 | 88 | 88 | 90 | 93 | 97 |
| 27 | 99 | 98 | 93 | 89 | 85 | 83 | 83 | 85 | 87 | 88 | 90 | 94 | 98 | 100 | 99 | 98 | 97 | 95 | 93 | 91 | 91 | 92 | 94 | 97 |
| 28 | 101 | 102 | 99 | 95 | 92 | 90 | 90 | 92 | 94 | 95 | 95 | 96 | 98 | 100 | 101 | 100 | 99 | 97 | 96 | 94 | 94 | 94 | 96 | 97 |
| 29 | 100 | 103 | 103 | 101 | 98 | 96 | 97 | 98 | 99 | 101 | 101 | 99 | 99 | 100 | 101 | 101 | 99 | 98 | 96 | 95 | 94 | 94 | 96 | 97 |
| 30 | 99 | 102 | 104 | 104 | 102 | 100 | 100 | 102 | 103 | 104 | 104 | 103 | 100 | 99 | 100 | 100 | 99 | 97 | 95 | 94 | 93 | 92 | 93 | 95 |
| 31 | 96 | 98 | 101 | 104 | 104 | 103 | 102 | 102 | 104 | 104 | 105 | 104 | 102 | 99 | 98 | 99 | 99 | 97 | 94 | 92 | 91 | 89 | 89 | 90 |

PUERTO DE PUNTA DEL ESTE

ABRIL 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

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

PUERTO DE PUNTA DEL ESTE

MAYO 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 83 | 84 | 86 | 89 | 92 | 92 | 90 | 87 | 86 | 86 | 87 | 88 | 89 | 90 | 90 | 90 | 92 | 94 | 92 | 89 | 85 | 82 | 80 | 78 |
| 2 | 78 | 79 | 81 | 83 | 86 | 88 | 88 | 85 | 82 | 81 | 81 | 82 | 84 | 86 | 86 | 86 | 87 | 89 | 90 | 88 | 85 | 82 | 79 | 76 |
| 3 | 75 | 75 | 76 | 78 | 80 | 84 | 86 | 86 | 83 | 80 | 80 | 80 | 81 | 83 | 84 | 84 | 84 | 85 | 87 | 87 | 85 | 82 | 79 | 76 |
| 4 | 73 | 71 | 72 | 74 | 76 | 80 | 84 | 87 | 86 | 84 | 82 | 81 | 81 | 82 | 83 | 84 | 84 | 83 | 84 | 86 | 86 | 84 | 80 | 77 |
| 5 | 73 | 70 | 69 | 71 | 73 | 77 | 82 | 88 | 90 | 90 | 87 | 85 | 85 | 85 | 85 | 86 | 86 | 85 | 84 | 86 | 88 | 88 | 85 | 81 |
| 6 | 76 | 72 | 69 | 69 | 71 | 75 | 81 | 87 | 92 | 95 | 94 | 92 | 90 | 90 | 89 | 89 | 89 | 89 | 88 | 88 | 91 | 93 | 92 | 89 |
| 7 | 83 | 78 | 73 | 70 | 71 | 74 | 80 | 85 | 92 | 97 | 99 | 98 | 95 | 94 | 93 | 92 | 92 | 92 | 92 | 92 | 94 | 98 | 100 | 99 |
| 8 | 94 | 88 | 81 | 76 | 74 | 76 | 80 | 85 | 91 | 97 | 101 | 102 | 100 | 97 | 96 | 95 | 94 | 94 | 95 | 96 | 98 | 102 | 107 | 109 |
| 9 | 106 | 100 | 93 | 87 | 82 | 80 | 82 | 87 | 91 | 96 | 100 | 103 | 103 | 100 | 97 | 95 | 94 | 93 | 94 | 96 | 99 | 103 | 109 | 114 |
| 10 | 115 | 112 | 105 | 98 | 92 | 88 | 88 | 90 | 93 | 96 | 99 | 102 | 103 | 102 | 98 | 95 | 93 | 92 | 91 | 93 | 97 | 101 | 106 | 113 |
| 11 | 118 | 118 | 114 | 108 | 102 | 98 | 95 | 94 | 96 | 97 | 98 | 100 | 102 | 103 | 100 | 96 | 93 | 90 | 89 | 89 | 92 | 96 | 101 | 106 |
| 12 | 112 | 117 | 117 | 114 | 109 | 105 | 101 | 99 | 98 | 99 | 99 | 99 | 100 | 102 | 102 | 99 | 94 | 91 | 88 | 86 | 87 | 89 | 93 | 97 |
| 13 | 102 | 108 | 112 | 113 | 110 | 107 | 104 | 102 | 100 | 99 | 99 | 99 | 99 | 100 | 101 | 101 | 98 | 93 | 89 | 86 | 84 | 84 | 85 | 88 |
| 14 | 91 | 95 | 101 | 105 | 106 | 105 | 103 | 102 | 100 | 98 | 97 | 97 | 96 | 97 | 99 | 101 | 101 | 98 | 93 | 89 | 85 | 82 | 80 | 80 |
| 15 | 81 | 83 | 87 | 93 | 97 | 99 | 99 | 99 | 98 | 96 | 94 | 93 | 93 | 94 | 95 | 98 | 101 | 101 | 98 | 93 | 88 | 83 | 79 | 76 |
| 16 | 75 | 75 | 76 | 81 | 87 | 92 | 94 | 94 | 94 | 93 | 91 | 90 | 89 | 90 | 91 | 94 | 98 | 101 | 100 | 97 | 92 | 87 | 82 | 76 |
| 17 | 73 | 71 | 71 | 72 | 77 | 84 | 89 | 91 | 91 | 90 | 89 | 87 | 86 | 86 | 87 | 89 | 92 | 97 | 100 | 99 | 96 | 91 | 85 | 79 |
| 18 | 74 | 71 | 69 | 69 | 72 | 78 | 84 | 88 | 90 | 89 | 88 | 87 | 85 | 84 | 85 | 86 | 88 | 92 | 96 | 99 | 98 | 94 | 89 | 84 |
| 19 | 78 | 73 | 71 | 70 | 71 | 75 | 81 | 87 | 90 | 90 | 89 | 88 | 87 | 85 | 85 | 85 | 86 | 88 | 92 | 96 | 99 | 97 | 93 | 88 |
| 20 | 83 | 78 | 75 | 74 | 74 | 76 | 80 | 85 | 90 | 92 | 91 | 90 | 89 | 88 | 87 | 86 | 87 | 87 | 89 | 93 | 97 | 99 | 97 | 93 |
| 21 | 89 | 85 | 81 | 79 | 79 | 80 | 82 | 85 | 90 | 93 | 93 | 92 | 92 | 91 | 90 | 89 | 88 | 88 | 88 | 90 | 95 | 99 | 101 | 99 |
| 22 | 95 | 91 | 88 | 85 | 85 | 86 | 87 | 88 | 90 | 93 | 95 | 95 | 94 | 93 | 93 | 92 | 90 | 89 | 89 | 89 | 92 | 98 | 102 | 104 |
| 23 | 101 | 98 | 95 | 92 | 90 | 91 | 91 | 91 | 91 | 92 | 94 | 96 | 95 | 95 | 95 | 94 | 92 | 90 | 89 | 89 | 91 | 95 | 101 | 105 |
| 24 | 106 | 103 | 100 | 97 | 96 | 95 | 95 | 95 | 94 | 93 | 94 | 95 | 96 | 96 | 96 | 95 | 93 | 91 | 89 | 88 | 89 | 91 | 96 | 102 |
| 25 | 106 | 106 | 103 | 100 | 98 | 97 | 97 | 97 | 97 | 95 | 93 | 94 | 96 | 97 | 97 | 96 | 94 | 92 | 89 | 87 | 87 | 88 | 92 | 97 |
| 26 | 102 | 105 | 104 | 101 | 98 | 97 | 96 | 96 | 97 | 96 | 94 | 93 | 95 | 97 | 98 | 97 | 95 | 93 | 89 | 86 | 85 | 85 | 87 | 91 |
| 27 | 96 | 100 | 101 | 99 | 96 | 94 | 93 | 93 | 94 | 94 | 94 | 92 | 93 | 95 | 97 | 98 | 96 | 93 | 90 | 87 | 84 | 83 | 84 | 86 |
| 28 | 89 | 93 | 96 | 96 | 93 | 90 | 88 | 88 | 89 | 90 | 91 | 91 | 91 | 92 | 95 | 97 | 96 | 94 | 91 | 88 | 84 | 82 | 81 | 82 |
| 29 | 84 | 86 | 89 | 91 | 90 | 87 | 85 | 84 | 84 | 85 | 87 | 89 | 89 | 89 | 91 | 94 | 95 | 94 | 91 | 88 | 85 | 81 | 79 | 79 |
| 30 | 80 | 81 | 84 | 86 | 88 | 87 | 83 | 81 | 81 | 82 | 83 | 85 | 87 | 88 | 88 | 90 | 92 | 93 | 91 | 88 | 85 | 82 | 79 | 77 |
| 31 | 77 | 78 | 80 | 82 | 85 | 87 | 86 | 83 | 81 | 81 | 82 | 84 | 86 | 87 | 87 | 87 | 88 | 90 | 90 | 88 | 85 | 82 | 79 | 76 |

PUERTO DE PUNTA DEL ESTE

JUNIO 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

| DD | H O R A S | | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| | 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 | 75 | 75 | 77 | 79 | 83 | 87 | 89 | 87 | 85 | 84 | 84 | 85 | 86 | 87 | 88 | 87 | 87 | 88 | 90 | 90 | 87 | 84 | 81 | 77 | |
| 2 | 74 | 73 | 74 | 76 | 80 | 85 | 90 | 92 | 91 | 89 | 88 | 88 | 88 | 89 | 90 | 89 | 88 | 88 | 90 | 92 | 92 | 89 | 85 | 81 | |
| 3 | 76 | 73 | 72 | 74 | 77 | 82 | 89 | 94 | 96 | 94 | 92 | 91 | 91 | 91 | 92 | 92 | 91 | 90 | 92 | 95 | 97 | 97 | 93 | 88 | |
| 4 | 83 | 77 | 73 | 73 | 76 | 80 | 86 | 92 | 97 | 98 | 96 | 94 | 94 | 93 | 93 | 93 | 93 | 93 | 94 | 97 | 102 | 105 | 103 | 99 | |
| 5 | 93 | 86 | 80 | 76 | 77 | 80 | 84 | 89 | 95 | 99 | 99 | 97 | 95 | 94 | 93 | 93 | 93 | 94 | 95 | 98 | 103 | 109 | 112 | 110 | |
| 6 | 104 | 97 | 90 | 84 | 81 | 82 | 84 | 88 | 92 | 96 | 99 | 98 | 95 | 94 | 93 | 92 | 92 | 92 | 94 | 97 | 101 | 108 | 115 | 117 | |
| 7 | 114 | 108 | 101 | 94 | 89 | 86 | 87 | 89 | 91 | 93 | 97 | 98 | 96 | 94 | 92 | 91 | 90 | 89 | 90 | 93 | 97 | 103 | 110 | 117 | |
| 8 | 118 | 115 | 110 | 104 | 98 | 93 | 91 | 91 | 92 | 92 | 94 | 97 | 97 | 96 | 93 | 91 | 89 | 87 | 87 | 88 | 91 | 95 | 101 | 109 | |
| 9 | 115 | 116 | 113 | 109 | 104 | 100 | 96 | 94 | 94 | 93 | 93 | 95 | 97 | 98 | 96 | 93 | 91 | 88 | 86 | 84 | 85 | 87 | 90 | 96 | |
| 10 | 104 | 109 | 111 | 109 | 106 | 103 | 99 | 97 | 95 | 94 | 93 | 93 | 96 | 99 | 99 | 98 | 95 | 91 | 88 | 84 | 82 | 81 | 82 | 85 | |
| 11 | 90 | 97 | 102 | 104 | 103 | 102 | 100 | 97 | 95 | 94 | 93 | 92 | 94 | 97 | 101 | 101 | 99 | 96 | 92 | 87 | 82 | 79 | 77 | 77 | |
| 12 | 79 | 84 | 91 | 96 | 98 | 98 | 98 | 96 | 94 | 92 | 91 | 91 | 92 | 94 | 99 | 103 | 103 | 100 | 96 | 92 | 86 | 81 | 77 | 74 | |
| 13 | 74 | 75 | 80 | 86 | 91 | 93 | 94 | 94 | 93 | 91 | 90 | 89 | 90 | 91 | 95 | 100 | 103 | 103 | 100 | 96 | 91 | 85 | 79 | 75 | |
| 14 | 73 | 72 | 74 | 79 | 85 | 89 | 91 | 92 | 91 | 90 | 89 | 88 | 89 | 90 | 92 | 95 | 100 | 103 | 102 | 98 | 94 | 89 | 84 | 79 | |
| 15 | 75 | 73 | 73 | 75 | 80 | 86 | 89 | 90 | 91 | 90 | 89 | 88 | 88 | 89 | 90 | 92 | 95 | 100 | 102 | 100 | 97 | 93 | 89 | 84 | |
| 16 | 79 | 77 | 75 | 76 | 78 | 84 | 88 | 91 | 91 | 90 | 90 | 90 | 89 | 89 | 90 | 90 | 92 | 95 | 99 | 101 | 99 | 96 | 93 | 89 | |
| 17 | 85 | 82 | 80 | 79 | 79 | 82 | 87 | 90 | 91 | 91 | 91 | 91 | 91 | 91 | 90 | 90 | 90 | 90 | 92 | 95 | 99 | 101 | 100 | 97 | 95 |
| 18 | 91 | 87 | 85 | 84 | 83 | 83 | 86 | 89 | 91 | 92 | 91 | 92 | 92 | 92 | 91 | 91 | 90 | 90 | 92 | 96 | 101 | 102 | 102 | 99 | |
| 19 | 97 | 93 | 90 | 88 | 87 | 86 | 86 | 87 | 90 | 91 | 91 | 92 | 92 | 93 | 92 | 91 | 90 | 89 | 89 | 92 | 98 | 103 | 105 | 104 | |
| 20 | 102 | 99 | 96 | 93 | 91 | 90 | 88 | 87 | 88 | 90 | 91 | 91 | 92 | 93 | 93 | 91 | 89 | 88 | 87 | 88 | 93 | 99 | 105 | 106 | |
| 21 | 105 | 102 | 99 | 96 | 94 | 92 | 90 | 88 | 87 | 88 | 90 | 91 | 92 | 93 | 93 | 92 | 89 | 86 | 85 | 85 | 88 | 93 | 100 | 105 | |
| 22 | 105 | 103 | 100 | 98 | 95 | 93 | 92 | 90 | 88 | 87 | 88 | 91 | 92 | 93 | 93 | 92 | 90 | 86 | 84 | 83 | 84 | 87 | 93 | 100 | |
| 23 | 103 | 102 | 99 | 96 | 94 | 92 | 91 | 90 | 89 | 87 | 87 | 90 | 92 | 94 | 94 | 93 | 91 | 87 | 84 | 81 | 81 | 83 | 86 | 92 | |
| 24 | 97 | 98 | 96 | 93 | 91 | 89 | 88 | 88 | 88 | 87 | 87 | 88 | 91 | 94 | 95 | 94 | 92 | 89 | 85 | 82 | 80 | 80 | 82 | 86 | |
| 25 | 90 | 93 | 93 | 90 | 87 | 86 | 85 | 85 | 86 | 87 | 87 | 87 | 89 | 93 | 95 | 95 | 93 | 91 | 87 | 83 | 81 | 80 | 80 | 82 | |
| 26 | 84 | 88 | 90 | 88 | 85 | 83 | 83 | 83 | 84 | 86 | 87 | 87 | 87 | 90 | 93 | 95 | 94 | 91 | 89 | 85 | 82 | 80 | 80 | 80 | |
| 27 | 81 | 84 | 87 | 88 | 86 | 84 | 82 | 82 | 83 | 85 | 87 | 88 | 88 | 88 | 91 | 93 | 93 | 92 | 89 | 86 | 83 | 81 | 79 | 79 | |
| 28 | 80 | 81 | 84 | 88 | 89 | 87 | 85 | 84 | 85 | 86 | 87 | 89 | 89 | 89 | 89 | 91 | 93 | 93 | 90 | 88 | 85 | 82 | 79 | 78 | |
| 29 | 79 | 80 | 82 | 86 | 90 | 91 | 90 | 88 | 88 | 88 | 89 | 91 | 92 | 92 | 91 | 91 | 93 | 94 | 93 | 91 | 88 | 85 | 81 | 79 | |
| 30 | 78 | 78 | 80 | 84 | 89 | 93 | 95 | 93 | 92 | 91 | 92 | 92 | 94 | 94 | 94 | 93 | 94 | 96 | 97 | 96 | 93 | 90 | 86 | 81 | |

PUERTO DE PUNTA DEL ESTE

JULIO 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 78 | 77 | 79 | 81 | 86 | 92 | 96 | 97 | 96 | 94 | 93 | 94 | 94 | 95 | 96 | 96 | 96 | 97 | 101 | 103 | 101 | 98 | 94 | 88 |
| 2 | 82 | 79 | 78 | 80 | 83 | 88 | 94 | 98 | 98 | 96 | 94 | 94 | 94 | 95 | 96 | 97 | 97 | 98 | 102 | 107 | 109 | 107 | 103 | 98 |
| 3 | 91 | 84 | 80 | 80 | 81 | 85 | 89 | 94 | 97 | 96 | 94 | 92 | 92 | 93 | 93 | 94 | 96 | 97 | 100 | 106 | 112 | 115 | 113 | 108 |
| 4 | 101 | 93 | 87 | 83 | 82 | 83 | 86 | 90 | 93 | 95 | 93 | 91 | 90 | 90 | 90 | 91 | 92 | 93 | 96 | 101 | 108 | 115 | 118 | 116 |
| 5 | 110 | 103 | 95 | 89 | 85 | 84 | 85 | 86 | 89 | 92 | 93 | 91 | 90 | 89 | 88 | 87 | 87 | 88 | 90 | 93 | 99 | 108 | 115 | 117 |
| 6 | 115 | 110 | 104 | 97 | 91 | 88 | 86 | 86 | 86 | 89 | 92 | 92 | 91 | 90 | 89 | 87 | 85 | 83 | 83 | 85 | 89 | 96 | 105 | 112 |
| 7 | 114 | 112 | 108 | 102 | 97 | 92 | 89 | 87 | 86 | 87 | 90 | 93 | 94 | 93 | 92 | 90 | 86 | 83 | 80 | 79 | 80 | 84 | 91 | 99 |
| 8 | 106 | 108 | 107 | 104 | 100 | 95 | 91 | 89 | 87 | 86 | 88 | 92 | 96 | 97 | 96 | 94 | 91 | 86 | 81 | 77 | 75 | 75 | 79 | 86 |
| 9 | 94 | 99 | 102 | 101 | 100 | 97 | 93 | 90 | 88 | 87 | 87 | 90 | 95 | 100 | 101 | 100 | 96 | 92 | 86 | 80 | 75 | 73 | 72 | 75 |
| 10 | 82 | 89 | 95 | 97 | 97 | 96 | 94 | 91 | 89 | 88 | 87 | 89 | 93 | 99 | 103 | 103 | 101 | 97 | 92 | 86 | 79 | 75 | 72 | 72 |
| 11 | 74 | 80 | 87 | 92 | 94 | 95 | 94 | 92 | 90 | 89 | 88 | 89 | 91 | 96 | 101 | 105 | 104 | 101 | 97 | 92 | 86 | 80 | 76 | 74 |
| 12 | 73 | 76 | 81 | 88 | 91 | 93 | 93 | 93 | 92 | 90 | 89 | 90 | 91 | 93 | 98 | 103 | 105 | 103 | 100 | 96 | 92 | 87 | 82 | 79 |
| 13 | 77 | 76 | 79 | 84 | 89 | 92 | 93 | 93 | 93 | 92 | 91 | 91 | 92 | 93 | 95 | 99 | 103 | 103 | 102 | 99 | 97 | 93 | 89 | 86 |
| 14 | 83 | 81 | 80 | 83 | 87 | 91 | 93 | 93 | 93 | 93 | 93 | 93 | 94 | 94 | 94 | 96 | 99 | 102 | 103 | 101 | 100 | 98 | 95 | 92 |
| 15 | 89 | 86 | 84 | 84 | 86 | 89 | 92 | 93 | 93 | 93 | 94 | 94 | 95 | 95 | 95 | 94 | 96 | 99 | 102 | 103 | 102 | 101 | 100 | 98 |
| 16 | 94 | 91 | 89 | 86 | 85 | 87 | 90 | 91 | 92 | 92 | 93 | 94 | 95 | 95 | 94 | 94 | 93 | 95 | 99 | 102 | 104 | 104 | 104 | 102 |
| 17 | 99 | 96 | 93 | 90 | 87 | 85 | 87 | 89 | 90 | 90 | 91 | 93 | 94 | 93 | 93 | 92 | 91 | 91 | 94 | 99 | 103 | 105 | 105 | 105 |
| 18 | 102 | 99 | 95 | 92 | 89 | 85 | 84 | 85 | 87 | 88 | 89 | 90 | 92 | 92 | 91 | 89 | 88 | 87 | 88 | 93 | 99 | 104 | 105 | 105 |
| 19 | 103 | 100 | 96 | 93 | 90 | 86 | 84 | 83 | 84 | 87 | 88 | 89 | 90 | 91 | 90 | 87 | 85 | 83 | 83 | 86 | 92 | 98 | 102 | 103 |
| 20 | 101 | 99 | 95 | 92 | 89 | 87 | 84 | 82 | 82 | 84 | 87 | 88 | 89 | 90 | 89 | 87 | 83 | 81 | 80 | 80 | 84 | 90 | 96 | 99 |
| 21 | 98 | 95 | 93 | 90 | 87 | 86 | 84 | 82 | 81 | 82 | 86 | 88 | 90 | 90 | 90 | 88 | 84 | 80 | 78 | 77 | 79 | 83 | 89 | 93 |
| 22 | 94 | 91 | 89 | 87 | 85 | 83 | 83 | 83 | 82 | 81 | 84 | 88 | 90 | 91 | 91 | 89 | 86 | 82 | 78 | 77 | 77 | 78 | 82 | 87 |
| 23 | 90 | 89 | 86 | 84 | 82 | 82 | 82 | 83 | 83 | 82 | 83 | 86 | 90 | 92 | 91 | 90 | 88 | 84 | 80 | 78 | 77 | 78 | 79 | 83 |
| 24 | 86 | 88 | 86 | 83 | 82 | 81 | 82 | 83 | 84 | 84 | 84 | 85 | 88 | 91 | 92 | 91 | 89 | 86 | 83 | 80 | 79 | 79 | 80 | 81 |
| 25 | 84 | 87 | 88 | 86 | 84 | 83 | 83 | 84 | 86 | 87 | 88 | 87 | 88 | 91 | 93 | 93 | 90 | 88 | 85 | 83 | 81 | 80 | 81 | 82 |
| 26 | 84 | 87 | 90 | 91 | 89 | 87 | 87 | 88 | 89 | 90 | 91 | 91 | 91 | 92 | 94 | 95 | 93 | 90 | 88 | 85 | 83 | 81 | 82 | 83 |
| 27 | 84 | 87 | 91 | 94 | 94 | 93 | 91 | 91 | 92 | 93 | 94 | 96 | 96 | 95 | 96 | 97 | 98 | 95 | 92 | 89 | 87 | 84 | 82 | 83 |
| 28 | 84 | 86 | 89 | 94 | 98 | 98 | 96 | 95 | 94 | 95 | 96 | 98 | 99 | 99 | 99 | 100 | 102 | 102 | 99 | 96 | 93 | 89 | 85 | 83 |
| 29 | 83 | 85 | 87 | 92 | 97 | 99 | 99 | 97 | 95 | 95 | 96 | 98 | 100 | 102 | 102 | 103 | 105 | 107 | 107 | 104 | 101 | 96 | 92 | 87 |
| 30 | 84 | 84 | 85 | 88 | 92 | 97 | 99 | 98 | 95 | 93 | 94 | 95 | 97 | 100 | 102 | 103 | 105 | 109 | 112 | 112 | 110 | 105 | 100 | 94 |
| 31 | 88 | 85 | 84 | 85 | 88 | 92 | 96 | 96 | 94 | 91 | 90 | 91 | 92 | 95 | 97 | 100 | 102 | 105 | 111 | 115 | 116 | 113 | 109 | 102 |

PUERTO DE PUNTA DEL ESTE

AGOSTO 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

| | | 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 | 95 | 89 | 86 | 85 | 85 | 87 | 90 | 93 | 93 | 90 | 88 | 87 | 88 | 89 | 91 | 93 | 95 | 98 | 103 | 110 | 116 | 117 | 114 | 110 | |
| 2 | 103 | 95 | 89 | 86 | 84 | 84 | 86 | 88 | 90 | 90 | 88 | 86 | 85 | 85 | 85 | 86 | 87 | 89 | 92 | 99 | 107 | 113 | 115 | 112 | |
| 3 | 108 | 101 | 94 | 88 | 85 | 84 | 83 | 84 | 87 | 90 | 90 | 88 | 86 | 85 | 84 | 82 | 80 | 80 | 81 | 85 | 93 | 102 | 108 | 110 | |
| 4 | 108 | 104 | 98 | 92 | 87 | 84 | 83 | 82 | 84 | 88 | 91 | 92 | 91 | 89 | 86 | 82 | 78 | 75 | 74 | 75 | 79 | 87 | 96 | 102 | |
| 5 | 104 | 103 | 100 | 95 | 90 | 86 | 83 | 82 | 83 | 86 | 91 | 95 | 96 | 94 | 92 | 87 | 82 | 76 | 72 | 70 | 70 | 75 | 83 | 91 | |
| 6 | 97 | 99 | 98 | 96 | 92 | 88 | 84 | 83 | 82 | 84 | 89 | 95 | 99 | 100 | 98 | 94 | 88 | 81 | 75 | 70 | 68 | 69 | 73 | 81 | |
| 7 | 89 | 94 | 95 | 95 | 93 | 90 | 87 | 85 | 84 | 84 | 87 | 93 | 99 | 103 | 102 | 99 | 95 | 88 | 82 | 76 | 72 | 70 | 71 | 75 | |
| 8 | 82 | 89 | 93 | 94 | 94 | 93 | 90 | 87 | 86 | 86 | 88 | 91 | 97 | 103 | 105 | 103 | 99 | 95 | 89 | 84 | 79 | 77 | 75 | 75 | |
| 9 | 79 | 85 | 91 | 93 | 94 | 94 | 93 | 91 | 90 | 89 | 90 | 92 | 96 | 101 | 105 | 105 | 103 | 99 | 95 | 91 | 87 | 84 | 82 | 81 | |
| 10 | 81 | 84 | 89 | 93 | 95 | 95 | 95 | 94 | 93 | 93 | 93 | 94 | 96 | 99 | 103 | 105 | 105 | 102 | 99 | 97 | 95 | 92 | 90 | 88 | |
| 11 | 86 | 86 | 88 | 92 | 95 | 95 | 96 | 96 | 96 | 95 | 96 | 97 | 98 | 99 | 101 | 103 | 105 | 104 | 102 | 101 | 100 | 99 | 97 | 95 | |
| 12 | 92 | 90 | 89 | 90 | 93 | 95 | 95 | 95 | 96 | 96 | 97 | 98 | 99 | 99 | 99 | 101 | 103 | 105 | 104 | 104 | 104 | 103 | 102 | 100 | |
| 13 | 97 | 94 | 90 | 89 | 90 | 92 | 93 | 93 | 94 | 95 | 96 | 97 | 98 | 98 | 98 | 98 | 99 | 103 | 105 | 105 | 105 | 105 | 105 | 103 | |
| 14 | 100 | 96 | 92 | 89 | 87 | 89 | 90 | 91 | 91 | 92 | 93 | 94 | 95 | 95 | 95 | 94 | 94 | 97 | 101 | 104 | 105 | 105 | 105 | 103 | |
| 15 | 100 | 97 | 93 | 89 | 86 | 85 | 86 | 88 | 88 | 88 | 90 | 91 | 91 | 91 | 90 | 90 | 89 | 90 | 95 | 100 | 103 | 103 | 103 | 101 | |
| 16 | 99 | 95 | 92 | 89 | 85 | 83 | 83 | 85 | 86 | 87 | 87 | 88 | 88 | 88 | 86 | 85 | 84 | 84 | 86 | 92 | 97 | 99 | 99 | 97 | |
| 17 | 95 | 92 | 89 | 86 | 84 | 82 | 80 | 81 | 84 | 86 | 86 | 87 | 87 | 86 | 84 | 81 | 80 | 79 | 79 | 83 | 89 | 93 | 94 | 92 | |
| 18 | 90 | 88 | 85 | 83 | 82 | 81 | 79 | 79 | 81 | 84 | 86 | 87 | 86 | 86 | 83 | 80 | 77 | 76 | 75 | 77 | 81 | 86 | 89 | 88 | |
| 19 | 86 | 84 | 82 | 80 | 79 | 79 | 79 | 79 | 79 | 82 | 86 | 87 | 87 | 86 | 84 | 81 | 78 | 75 | 74 | 75 | 77 | 81 | 85 | 86 | |
| 20 | 84 | 82 | 80 | 79 | 78 | 79 | 80 | 80 | 80 | 81 | 84 | 87 | 88 | 87 | 85 | 83 | 80 | 76 | 75 | 75 | 76 | 78 | 82 | 85 | |
| 21 | 86 | 83 | 81 | 80 | 80 | 80 | 81 | 82 | 83 | 83 | 84 | 87 | 90 | 89 | 87 | 85 | 82 | 79 | 77 | 77 | 78 | 79 | 82 | 86 | |
| 22 | 88 | 88 | 85 | 84 | 83 | 83 | 84 | 86 | 87 | 87 | 87 | 89 | 91 | 92 | 91 | 87 | 85 | 82 | 80 | 79 | 80 | 82 | 84 | 87 | |
| 23 | 90 | 93 | 92 | 90 | 88 | 88 | 89 | 90 | 91 | 92 | 92 | 93 | 94 | 96 | 96 | 93 | 89 | 86 | 83 | 81 | 82 | 83 | 86 | 88 | |
| 24 | 91 | 95 | 97 | 97 | 95 | 93 | 93 | 94 | 95 | 97 | 98 | 99 | 99 | 101 | 102 | 100 | 96 | 92 | 88 | 86 | 84 | 85 | 87 | 89 | |
| 25 | 91 | 95 | 99 | 101 | 100 | 97 | 96 | 96 | 96 | 98 | 101 | 103 | 104 | 105 | 107 | 107 | 105 | 100 | 96 | 92 | 89 | 87 | 88 | 89 | |
| 26 | 91 | 94 | 97 | 101 | 102 | 100 | 97 | 96 | 95 | 97 | 100 | 104 | 107 | 109 | 110 | 112 | 113 | 110 | 105 | 101 | 97 | 93 | 90 | 89 | |
| 27 | 90 | 92 | 94 | 98 | 101 | 100 | 97 | 94 | 93 | 93 | 95 | 99 | 104 | 108 | 110 | 113 | 115 | 116 | 114 | 110 | 105 | 100 | 95 | 92 | |
| 28 | 90 | 90 | 91 | 93 | 96 | 98 | 97 | 93 | 89 | 88 | 89 | 92 | 97 | 101 | 105 | 108 | 112 | 115 | 117 | 115 | 112 | 107 | 101 | 96 | |
| 29 | 92 | 89 | 89 | 89 | 91 | 94 | 94 | 92 | 88 | 85 | 85 | 86 | 88 | 92 | 96 | 99 | 102 | 107 | 112 | 115 | 114 | 111 | 106 | 100 | |
| 30 | 94 | 90 | 88 | 87 | 87 | 89 | 91 | 92 | 89 | 86 | 83 | 83 | 83 | 84 | 86 | 88 | 90 | 94 | 100 | 106 | 110 | 110 | 107 | 103 | |
| 31 | 97 | 91 | 87 | 85 | 84 | 85 | 87 | 90 | 91 | 89 | 86 | 84 | 82 | 80 | 79 | 78 | 79 | 81 | 85 | 92 | 100 | 104 | 104 | 102 | |

PUERTO DE PUNTA DEL ESTE

SETIEMBRE 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 98 | 93 | 88 | 84 | 82 | 82 | 83 | 86 | 90 | 92 | 91 | 88 | 85 | 82 | 78 | 74 | 72 | 71 | 73 | 78 | 86 | 94 | 98 | 99 |
| 2 | 97 | 94 | 89 | 84 | 81 | 80 | 81 | 83 | 88 | 93 | 95 | 95 | 92 | 87 | 82 | 76 | 71 | 68 | 67 | 68 | 74 | 82 | 90 | 94 |
| 3 | 94 | 93 | 90 | 86 | 82 | 80 | 80 | 81 | 85 | 91 | 97 | 99 | 98 | 94 | 89 | 82 | 75 | 70 | 67 | 66 | 68 | 74 | 82 | 89 |
| 4 | 92 | 92 | 91 | 88 | 85 | 82 | 81 | 81 | 84 | 88 | 95 | 101 | 102 | 100 | 95 | 89 | 83 | 76 | 72 | 70 | 70 | 72 | 78 | 85 |
| 5 | 90 | 93 | 92 | 91 | 89 | 86 | 84 | 84 | 85 | 88 | 93 | 99 | 104 | 104 | 101 | 96 | 90 | 85 | 80 | 77 | 77 | 77 | 79 | 84 |
| 6 | 89 | 93 | 94 | 94 | 93 | 91 | 89 | 88 | 88 | 90 | 93 | 98 | 103 | 106 | 105 | 101 | 96 | 92 | 88 | 86 | 85 | 85 | 84 | 86 |
| 7 | 89 | 93 | 96 | 96 | 96 | 95 | 94 | 92 | 92 | 93 | 95 | 98 | 102 | 106 | 107 | 105 | 101 | 98 | 96 | 94 | 93 | 93 | 92 | 91 |
| 8 | 91 | 93 | 96 | 97 | 97 | 97 | 97 | 96 | 95 | 96 | 98 | 100 | 102 | 105 | 107 | 107 | 105 | 102 | 100 | 100 | 99 | 99 | 98 | 96 |
| 9 | 94 | 93 | 95 | 97 | 97 | 97 | 97 | 97 | 97 | 97 | 99 | 100 | 102 | 103 | 105 | 107 | 107 | 105 | 104 | 103 | 103 | 103 | 102 | 100 |
| 10 | 97 | 94 | 93 | 94 | 95 | 95 | 95 | 95 | 96 | 96 | 97 | 99 | 100 | 101 | 102 | 104 | 106 | 106 | 105 | 104 | 105 | 105 | 103 | 102 |
| 11 | 99 | 95 | 92 | 91 | 92 | 93 | 93 | 92 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 102 | 104 | 104 | 104 | 103 | 103 | 102 | 100 |
| 12 | 98 | 95 | 91 | 88 | 88 | 90 | 91 | 90 | 89 | 90 | 90 | 90 | 91 | 91 | 92 | 92 | 94 | 97 | 100 | 101 | 100 | 99 | 98 | 96 |
| 13 | 94 | 92 | 89 | 86 | 85 | 86 | 88 | 88 | 88 | 87 | 87 | 87 | 86 | 86 | 86 | 86 | 86 | 89 | 93 | 95 | 95 | 94 | 92 | 90 |
| 14 | 88 | 87 | 85 | 84 | 82 | 82 | 84 | 86 | 87 | 86 | 85 | 84 | 83 | 81 | 80 | 80 | 80 | 81 | 84 | 88 | 90 | 89 | 86 | 84 |
| 15 | 83 | 81 | 81 | 81 | 80 | 80 | 81 | 83 | 86 | 86 | 85 | 84 | 82 | 80 | 77 | 76 | 75 | 76 | 77 | 81 | 85 | 85 | 83 | 80 |
| 16 | 78 | 77 | 77 | 77 | 78 | 79 | 79 | 81 | 84 | 86 | 86 | 84 | 82 | 80 | 77 | 74 | 73 | 73 | 74 | 77 | 81 | 83 | 83 | 80 |
| 17 | 78 | 76 | 76 | 76 | 77 | 79 | 79 | 80 | 82 | 85 | 87 | 86 | 84 | 81 | 78 | 75 | 73 | 73 | 74 | 76 | 79 | 83 | 85 | 84 |
| 18 | 81 | 79 | 78 | 78 | 79 | 80 | 82 | 82 | 82 | 84 | 87 | 88 | 87 | 84 | 81 | 77 | 75 | 74 | 75 | 77 | 80 | 83 | 87 | 89 |
| 19 | 87 | 85 | 83 | 83 | 83 | 84 | 85 | 86 | 86 | 87 | 89 | 92 | 92 | 89 | 85 | 81 | 78 | 76 | 77 | 79 | 82 | 85 | 89 | 93 |
| 20 | 94 | 93 | 90 | 89 | 89 | 89 | 90 | 91 | 92 | 93 | 94 | 96 | 98 | 96 | 92 | 87 | 83 | 80 | 79 | 81 | 84 | 88 | 91 | 95 |
| 21 | 98 | 99 | 97 | 95 | 94 | 93 | 94 | 95 | 97 | 99 | 100 | 102 | 104 | 105 | 101 | 96 | 90 | 86 | 84 | 83 | 85 | 89 | 92 | 95 |
| 22 | 99 | 102 | 102 | 100 | 97 | 96 | 95 | 96 | 98 | 102 | 105 | 107 | 110 | 112 | 111 | 107 | 101 | 95 | 91 | 88 | 88 | 90 | 93 | 95 |
| 23 | 98 | 101 | 104 | 103 | 99 | 96 | 95 | 95 | 97 | 100 | 105 | 110 | 113 | 116 | 118 | 116 | 111 | 105 | 99 | 95 | 93 | 92 | 93 | 95 |
| 24 | 97 | 99 | 101 | 103 | 100 | 96 | 93 | 91 | 92 | 95 | 100 | 106 | 111 | 115 | 118 | 120 | 118 | 114 | 108 | 103 | 99 | 95 | 94 | 94 |
| 25 | 95 | 96 | 98 | 100 | 100 | 97 | 92 | 88 | 87 | 89 | 92 | 98 | 104 | 109 | 112 | 116 | 118 | 117 | 113 | 108 | 104 | 99 | 96 | 94 |
| 26 | 93 | 93 | 94 | 95 | 97 | 96 | 93 | 88 | 85 | 84 | 85 | 88 | 93 | 98 | 102 | 105 | 109 | 113 | 113 | 110 | 106 | 102 | 98 | 94 |
| 27 | 92 | 91 | 91 | 91 | 93 | 95 | 94 | 90 | 86 | 83 | 82 | 82 | 83 | 86 | 89 | 92 | 96 | 101 | 105 | 106 | 105 | 102 | 98 | 94 |
| 28 | 90 | 88 | 87 | 87 | 89 | 91 | 94 | 94 | 90 | 86 | 83 | 80 | 78 | 78 | 78 | 79 | 81 | 86 | 92 | 98 | 100 | 99 | 96 | 93 |
| 29 | 89 | 85 | 84 | 84 | 85 | 87 | 91 | 95 | 95 | 92 | 88 | 84 | 79 | 75 | 72 | 71 | 71 | 73 | 79 | 86 | 92 | 94 | 94 | 91 |
| 30 | 88 | 84 | 81 | 80 | 81 | 83 | 87 | 92 | 97 | 97 | 94 | 90 | 84 | 78 | 72 | 68 | 66 | 67 | 69 | 76 | 83 | 89 | 91 | 90 |

PUERTO DE PUNTA DEL ESTE

OCTUBRE 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

| | 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 | 85 | 81 | 79 | 79 | 80 | 83 | 88 | 94 | 99 | 100 | 96 | 91 | 85 | 78 | 71 | 67 | 66 | 67 | 70 | 77 | 84 | 89 | 90 |
| 2 | 89 | 87 | 84 | 81 | 79 | 80 | 82 | 85 | 91 | 98 | 102 | 102 | 98 | 92 | 85 | 78 | 73 | 70 | 70 | 72 | 76 | 82 | 88 | 91 |
| 3 | 91 | 90 | 88 | 85 | 83 | 82 | 83 | 85 | 89 | 95 | 101 | 104 | 103 | 98 | 92 | 86 | 81 | 77 | 77 | 78 | 79 | 83 | 88 | 92 |
| 4 | 94 | 93 | 92 | 90 | 88 | 86 | 86 | 87 | 89 | 93 | 99 | 104 | 106 | 103 | 98 | 93 | 89 | 86 | 85 | 85 | 86 | 87 | 89 | 93 |
| 5 | 96 | 96 | 96 | 95 | 93 | 92 | 90 | 90 | 92 | 95 | 98 | 103 | 107 | 108 | 104 | 99 | 96 | 93 | 92 | 92 | 93 | 93 | 93 | 94 |
| 6 | 96 | 98 | 98 | 97 | 96 | 96 | 94 | 94 | 95 | 96 | 99 | 102 | 107 | 109 | 108 | 105 | 101 | 99 | 98 | 98 | 99 | 99 | 97 | 96 |
| 7 | 95 | 97 | 98 | 98 | 97 | 97 | 96 | 95 | 95 | 97 | 99 | 102 | 105 | 108 | 110 | 108 | 105 | 103 | 102 | 102 | 102 | 102 | 101 | 98 |
| 8 | 95 | 95 | 96 | 97 | 97 | 96 | 96 | 95 | 95 | 95 | 97 | 100 | 102 | 104 | 107 | 109 | 107 | 104 | 103 | 103 | 102 | 102 | 101 | 99 |
| 9 | 96 | 93 | 94 | 95 | 96 | 95 | 94 | 93 | 93 | 92 | 93 | 95 | 97 | 99 | 102 | 104 | 105 | 104 | 101 | 100 | 100 | 99 | 98 | 97 |
| 10 | 95 | 92 | 91 | 92 | 93 | 94 | 92 | 91 | 90 | 89 | 89 | 90 | 91 | 93 | 94 | 97 | 99 | 100 | 98 | 96 | 95 | 94 | 93 | 92 |
| 11 | 91 | 90 | 88 | 88 | 90 | 92 | 92 | 90 | 88 | 87 | 86 | 85 | 85 | 86 | 87 | 88 | 91 | 93 | 93 | 91 | 89 | 87 | 86 | 86 |
| 12 | 86 | 86 | 85 | 85 | 86 | 89 | 90 | 90 | 88 | 86 | 84 | 82 | 80 | 80 | 81 | 81 | 83 | 85 | 88 | 87 | 85 | 82 | 80 | 80 |
| 13 | 80 | 81 | 82 | 82 | 83 | 84 | 87 | 89 | 88 | 86 | 83 | 81 | 78 | 76 | 76 | 76 | 77 | 79 | 82 | 84 | 83 | 80 | 77 | 76 |
| 14 | 76 | 76 | 78 | 80 | 81 | 81 | 83 | 86 | 88 | 86 | 84 | 81 | 78 | 75 | 74 | 73 | 74 | 76 | 78 | 82 | 83 | 81 | 78 | 76 |
| 15 | 75 | 75 | 77 | 78 | 80 | 80 | 81 | 84 | 86 | 87 | 86 | 83 | 80 | 76 | 73 | 72 | 73 | 75 | 77 | 81 | 84 | 85 | 83 | 80 |
| 16 | 78 | 78 | 78 | 80 | 81 | 82 | 82 | 83 | 86 | 88 | 89 | 86 | 83 | 79 | 75 | 73 | 73 | 75 | 78 | 81 | 85 | 89 | 90 | 87 |
| 17 | 85 | 83 | 83 | 84 | 84 | 85 | 86 | 86 | 87 | 90 | 93 | 92 | 88 | 84 | 80 | 76 | 74 | 75 | 79 | 82 | 87 | 91 | 94 | 95 |
| 18 | 92 | 90 | 89 | 89 | 89 | 89 | 90 | 91 | 92 | 94 | 97 | 99 | 97 | 92 | 87 | 82 | 78 | 78 | 80 | 84 | 88 | 92 | 96 | 99 |
| 19 | 99 | 96 | 94 | 93 | 93 | 93 | 94 | 96 | 97 | 99 | 103 | 106 | 107 | 103 | 97 | 90 | 85 | 82 | 82 | 85 | 89 | 93 | 96 | 100 |
| 20 | 102 | 101 | 98 | 96 | 94 | 94 | 95 | 97 | 100 | 104 | 107 | 111 | 114 | 113 | 108 | 101 | 95 | 90 | 87 | 88 | 90 | 93 | 96 | 99 |
| 21 | 102 | 103 | 101 | 97 | 94 | 93 | 93 | 95 | 99 | 104 | 109 | 113 | 118 | 120 | 118 | 112 | 105 | 99 | 94 | 92 | 92 | 94 | 96 | 97 |
| 22 | 99 | 101 | 101 | 98 | 94 | 91 | 90 | 91 | 94 | 99 | 105 | 110 | 115 | 119 | 121 | 119 | 113 | 106 | 101 | 97 | 95 | 95 | 96 | 97 |
| 23 | 97 | 99 | 100 | 99 | 95 | 91 | 88 | 87 | 88 | 92 | 97 | 103 | 108 | 112 | 116 | 118 | 116 | 111 | 106 | 102 | 98 | 96 | 95 | 95 |
| 24 | 96 | 96 | 97 | 99 | 97 | 93 | 88 | 85 | 84 | 85 | 88 | 93 | 97 | 101 | 105 | 109 | 111 | 110 | 106 | 103 | 99 | 96 | 94 | 93 |
| 25 | 93 | 93 | 94 | 96 | 98 | 96 | 92 | 87 | 84 | 82 | 82 | 83 | 86 | 89 | 91 | 95 | 100 | 103 | 103 | 101 | 98 | 95 | 92 | 90 |
| 26 | 90 | 90 | 91 | 93 | 96 | 98 | 97 | 93 | 88 | 84 | 81 | 78 | 78 | 78 | 79 | 82 | 86 | 92 | 96 | 96 | 95 | 93 | 90 | 88 |
| 27 | 86 | 86 | 87 | 89 | 92 | 96 | 99 | 98 | 94 | 89 | 84 | 79 | 75 | 72 | 72 | 72 | 75 | 80 | 86 | 91 | 91 | 90 | 88 | 86 |
| 28 | 83 | 82 | 82 | 84 | 87 | 92 | 97 | 100 | 99 | 95 | 90 | 84 | 78 | 72 | 69 | 68 | 69 | 72 | 78 | 85 | 89 | 89 | 88 | 85 |
| 29 | 83 | 81 | 80 | 81 | 83 | 87 | 92 | 98 | 102 | 100 | 96 | 90 | 84 | 77 | 71 | 69 | 68 | 70 | 74 | 80 | 86 | 89 | 89 | 87 |
| 30 | 85 | 82 | 80 | 80 | 81 | 84 | 88 | 94 | 100 | 103 | 101 | 96 | 90 | 84 | 78 | 73 | 72 | 73 | 75 | 79 | 85 | 90 | 91 | 90 |
| 31 | 88 | 86 | 84 | 82 | 82 | 83 | 86 | 90 | 96 | 102 | 104 | 102 | 97 | 91 | 85 | 81 | 78 | 78 | 80 | 82 | 85 | 90 | 93 | 93 |

PUERTO DE PUNTA DEL ESTE

NOVIEMBRE 2023

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 90 | 89 | 87 | 85 | 85 | 86 | 89 | 93 | 99 | 105 | 106 | 103 | 98 | 93 | 89 | 86 | 85 | 86 | 87 | 88 | 90 | 94 | 95 |
| 2 | 95 | 94 | 93 | 92 | 90 | 89 | 89 | 90 | 92 | 97 | 103 | 107 | 107 | 104 | 100 | 96 | 93 | 92 | 92 | 93 | 93 | 92 | 93 | 95 |
| 3 | 97 | 96 | 95 | 95 | 94 | 92 | 91 | 91 | 93 | 96 | 101 | 106 | 110 | 109 | 105 | 101 | 99 | 97 | 97 | 97 | 97 | 95 | 94 | 94 |
| 4 | 96 | 97 | 96 | 96 | 96 | 95 | 93 | 92 | 93 | 95 | 98 | 103 | 108 | 110 | 109 | 105 | 102 | 101 | 100 | 100 | 99 | 98 | 95 | 93 |
| 5 | 94 | 96 | 96 | 96 | 96 | 95 | 93 | 92 | 92 | 93 | 96 | 99 | 103 | 108 | 109 | 107 | 103 | 101 | 100 | 100 | 99 | 98 | 96 | 94 |
| 6 | 92 | 93 | 95 | 96 | 95 | 94 | 93 | 91 | 90 | 90 | 92 | 94 | 97 | 101 | 105 | 105 | 102 | 99 | 98 | 97 | 96 | 96 | 95 | 93 |
| 7 | 91 | 91 | 93 | 95 | 95 | 94 | 92 | 90 | 88 | 87 | 87 | 89 | 91 | 93 | 97 | 99 | 99 | 96 | 93 | 92 | 91 | 91 | 91 | 91 |
| 8 | 90 | 89 | 90 | 93 | 95 | 94 | 92 | 90 | 87 | 85 | 83 | 84 | 85 | 86 | 89 | 91 | 93 | 92 | 89 | 86 | 85 | 85 | 85 | 86 |
| 9 | 87 | 87 | 87 | 89 | 92 | 93 | 92 | 90 | 87 | 84 | 82 | 80 | 80 | 81 | 82 | 84 | 86 | 88 | 86 | 82 | 80 | 80 | 80 | 81 |
| 10 | 83 | 84 | 85 | 85 | 88 | 91 | 91 | 90 | 87 | 85 | 82 | 79 | 77 | 77 | 78 | 79 | 81 | 84 | 84 | 82 | 79 | 77 | 77 | 77 |
| 11 | 79 | 81 | 83 | 83 | 84 | 87 | 89 | 90 | 88 | 85 | 83 | 79 | 77 | 75 | 75 | 76 | 78 | 81 | 84 | 84 | 82 | 79 | 77 | 77 |
| 12 | 78 | 80 | 82 | 83 | 83 | 83 | 86 | 89 | 89 | 87 | 84 | 81 | 78 | 75 | 74 | 75 | 77 | 79 | 83 | 86 | 87 | 84 | 82 | 81 |
| 13 | 81 | 81 | 83 | 84 | 84 | 83 | 84 | 87 | 90 | 90 | 88 | 85 | 81 | 77 | 74 | 74 | 76 | 79 | 83 | 87 | 91 | 91 | 89 | 86 |
| 14 | 85 | 85 | 86 | 86 | 87 | 86 | 86 | 88 | 92 | 94 | 94 | 91 | 86 | 82 | 78 | 75 | 76 | 79 | 83 | 87 | 92 | 95 | 95 | 92 |
| 15 | 90 | 90 | 90 | 89 | 90 | 90 | 90 | 91 | 94 | 99 | 101 | 99 | 95 | 89 | 84 | 79 | 78 | 80 | 83 | 87 | 92 | 96 | 98 | 97 |
| 16 | 95 | 93 | 92 | 92 | 92 | 93 | 94 | 95 | 98 | 102 | 107 | 108 | 105 | 99 | 93 | 87 | 83 | 82 | 84 | 88 | 91 | 95 | 98 | 99 |
| 17 | 98 | 95 | 93 | 93 | 93 | 93 | 95 | 97 | 100 | 105 | 110 | 115 | 115 | 110 | 103 | 96 | 91 | 87 | 87 | 89 | 91 | 93 | 96 | 98 |
| 18 | 99 | 97 | 94 | 92 | 91 | 91 | 93 | 96 | 100 | 104 | 110 | 116 | 119 | 118 | 113 | 106 | 99 | 94 | 91 | 91 | 92 | 93 | 94 | 96 |
| 19 | 98 | 97 | 95 | 92 | 90 | 89 | 89 | 91 | 95 | 100 | 105 | 111 | 117 | 120 | 118 | 112 | 106 | 101 | 97 | 94 | 94 | 94 | 94 | 94 |
| 20 | 96 | 97 | 96 | 93 | 90 | 88 | 87 | 87 | 89 | 93 | 98 | 102 | 108 | 113 | 116 | 114 | 109 | 105 | 101 | 98 | 95 | 95 | 94 | 94 |
| 21 | 94 | 96 | 97 | 96 | 93 | 89 | 87 | 85 | 84 | 86 | 89 | 92 | 96 | 101 | 106 | 109 | 107 | 105 | 102 | 99 | 96 | 94 | 93 | 93 |
| 22 | 93 | 94 | 97 | 99 | 97 | 94 | 90 | 86 | 83 | 81 | 81 | 83 | 85 | 88 | 93 | 98 | 101 | 101 | 99 | 97 | 95 | 93 | 91 | 91 |
| 23 | 91 | 92 | 94 | 98 | 100 | 99 | 95 | 91 | 86 | 82 | 79 | 77 | 77 | 78 | 81 | 86 | 91 | 95 | 95 | 94 | 93 | 91 | 89 | 88 |
| 24 | 88 | 89 | 91 | 95 | 100 | 102 | 100 | 96 | 92 | 86 | 81 | 76 | 74 | 73 | 73 | 76 | 82 | 88 | 91 | 91 | 91 | 89 | 87 | 85 |
| 25 | 85 | 86 | 88 | 91 | 95 | 101 | 103 | 101 | 97 | 92 | 86 | 80 | 75 | 72 | 71 | 72 | 75 | 81 | 87 | 90 | 90 | 88 | 87 | 85 |
| 26 | 83 | 83 | 85 | 87 | 90 | 96 | 101 | 103 | 101 | 97 | 92 | 86 | 80 | 75 | 73 | 73 | 74 | 78 | 84 | 89 | 90 | 89 | 88 | 86 |
| 27 | 84 | 83 | 83 | 85 | 87 | 90 | 96 | 101 | 103 | 101 | 98 | 93 | 87 | 82 | 78 | 77 | 77 | 79 | 83 | 88 | 91 | 91 | 90 | 88 |
| 28 | 87 | 85 | 84 | 85 | 85 | 87 | 91 | 97 | 102 | 104 | 102 | 98 | 94 | 89 | 85 | 82 | 82 | 82 | 84 | 87 | 91 | 93 | 92 | 91 |
| 29 | 90 | 89 | 87 | 86 | 86 | 87 | 88 | 92 | 99 | 104 | 105 | 103 | 100 | 96 | 92 | 89 | 88 | 87 | 87 | 88 | 90 | 93 | 93 | 93 |
| 30 | 92 | 92 | 91 | 89 | 88 | 87 | 88 | 90 | 95 | 101 | 106 | 107 | 105 | 102 | 98 | 95 | 93 | 92 | 91 | 90 | 90 | 91 | 93 | 93 |

PUERTO DE PUNTA DEL ESTE

DICIEMBRE 2023

Latitud 34°57.7' S
Longitud 54°57.1' W

Los valores están dados en centímetros

Huso + 3

| DD | H O R A S | | | | | | | | | | | | | | | | | | | | | | | |
|----|-----------|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|
| | 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 | 93 | 93 | 93 | 92 | 90 | 89 | 88 | 89 | 92 | 97 | 104 | 109 | 109 | 106 | 103 | 100 | 98 | 96 | 95 | 93 | 91 | 90 | 91 | 92 |
| 2 | 93 | 93 | 94 | 94 | 92 | 90 | 88 | 88 | 89 | 93 | 99 | 106 | 109 | 108 | 106 | 103 | 100 | 98 | 97 | 95 | 93 | 90 | 89 | 90 |
| 3 | 92 | 93 | 94 | 94 | 93 | 91 | 88 | 86 | 87 | 89 | 94 | 100 | 106 | 107 | 106 | 103 | 100 | 98 | 96 | 95 | 94 | 91 | 89 | 88 |
| 4 | 91 | 93 | 94 | 94 | 93 | 91 | 88 | 85 | 85 | 86 | 88 | 93 | 98 | 103 | 103 | 100 | 98 | 96 | 94 | 93 | 92 | 91 | 89 | 88 |
| 5 | 89 | 92 | 94 | 95 | 94 | 92 | 89 | 85 | 83 | 83 | 84 | 86 | 90 | 95 | 98 | 97 | 94 | 91 | 90 | 89 | 89 | 89 | 89 | 88 |
| 6 | 87 | 89 | 93 | 95 | 94 | 92 | 90 | 86 | 83 | 81 | 81 | 82 | 84 | 87 | 91 | 92 | 90 | 87 | 85 | 85 | 85 | 85 | 86 | 87 |
| 7 | 87 | 87 | 90 | 93 | 94 | 93 | 90 | 88 | 84 | 81 | 80 | 80 | 80 | 82 | 84 | 87 | 88 | 86 | 83 | 81 | 81 | 82 | 83 | 85 |
| 8 | 86 | 86 | 87 | 90 | 92 | 93 | 91 | 89 | 86 | 83 | 80 | 79 | 79 | 79 | 81 | 83 | 86 | 86 | 84 | 81 | 80 | 81 | 82 | 83 |
| 9 | 85 | 86 | 85 | 86 | 89 | 91 | 91 | 89 | 87 | 85 | 82 | 79 | 78 | 79 | 79 | 81 | 84 | 87 | 87 | 85 | 83 | 82 | 83 | 83 |
| 10 | 85 | 86 | 86 | 85 | 86 | 89 | 91 | 91 | 89 | 87 | 85 | 81 | 79 | 78 | 79 | 80 | 83 | 87 | 90 | 90 | 88 | 86 | 85 | 86 |
| 11 | 86 | 87 | 87 | 86 | 86 | 87 | 90 | 92 | 92 | 91 | 88 | 85 | 81 | 79 | 78 | 80 | 82 | 86 | 91 | 94 | 94 | 91 | 89 | 89 |
| 12 | 89 | 89 | 89 | 89 | 88 | 88 | 90 | 94 | 97 | 96 | 94 | 91 | 86 | 82 | 79 | 79 | 82 | 85 | 89 | 94 | 97 | 96 | 93 | 92 |
| 13 | 91 | 91 | 91 | 91 | 91 | 90 | 92 | 96 | 101 | 103 | 102 | 98 | 93 | 88 | 83 | 81 | 81 | 84 | 87 | 91 | 96 | 97 | 96 | 93 |
| 14 | 92 | 92 | 92 | 92 | 92 | 93 | 94 | 97 | 103 | 108 | 110 | 108 | 103 | 96 | 90 | 85 | 83 | 84 | 86 | 89 | 92 | 95 | 96 | 94 |
| 15 | 92 | 91 | 91 | 91 | 91 | 92 | 94 | 97 | 102 | 109 | 114 | 115 | 112 | 106 | 99 | 92 | 88 | 86 | 87 | 88 | 89 | 92 | 94 | 94 |
| 16 | 92 | 90 | 89 | 89 | 89 | 89 | 91 | 94 | 98 | 105 | 113 | 118 | 118 | 113 | 107 | 101 | 95 | 91 | 89 | 89 | 89 | 89 | 91 | 93 |
| 17 | 92 | 90 | 88 | 87 | 87 | 86 | 87 | 89 | 93 | 98 | 105 | 112 | 117 | 116 | 112 | 107 | 101 | 96 | 93 | 91 | 90 | 89 | 89 | 91 |
| 18 | 93 | 92 | 90 | 88 | 86 | 85 | 83 | 84 | 86 | 89 | 94 | 101 | 109 | 112 | 112 | 109 | 105 | 101 | 97 | 94 | 92 | 90 | 89 | 90 |
| 19 | 93 | 95 | 94 | 92 | 89 | 86 | 83 | 81 | 80 | 82 | 84 | 89 | 96 | 102 | 106 | 106 | 104 | 102 | 99 | 95 | 93 | 91 | 90 | 90 |
| 20 | 92 | 95 | 98 | 97 | 94 | 91 | 87 | 82 | 79 | 77 | 78 | 79 | 83 | 90 | 96 | 100 | 101 | 100 | 98 | 96 | 93 | 91 | 90 | 90 |
| 21 | 91 | 94 | 99 | 101 | 100 | 96 | 92 | 87 | 82 | 78 | 75 | 74 | 75 | 79 | 85 | 92 | 95 | 96 | 96 | 95 | 93 | 91 | 89 | 89 |
| 22 | 90 | 92 | 96 | 101 | 103 | 102 | 98 | 93 | 88 | 82 | 78 | 75 | 73 | 74 | 78 | 84 | 90 | 93 | 94 | 93 | 92 | 90 | 88 | 88 |
| 23 | 88 | 90 | 93 | 98 | 102 | 104 | 102 | 99 | 94 | 89 | 83 | 79 | 76 | 75 | 76 | 80 | 86 | 91 | 93 | 93 | 92 | 91 | 89 | 87 |
| 24 | 87 | 88 | 90 | 93 | 98 | 103 | 104 | 102 | 99 | 95 | 90 | 85 | 82 | 79 | 78 | 79 | 83 | 89 | 92 | 93 | 92 | 91 | 90 | 88 |
| 25 | 88 | 88 | 89 | 90 | 93 | 98 | 102 | 103 | 102 | 100 | 97 | 92 | 88 | 85 | 83 | 83 | 84 | 87 | 91 | 93 | 93 | 92 | 91 | 90 |
| 26 | 89 | 88 | 88 | 89 | 89 | 93 | 98 | 102 | 104 | 103 | 101 | 99 | 95 | 91 | 89 | 87 | 86 | 87 | 89 | 92 | 93 | 92 | 92 | 91 |
| 27 | 91 | 90 | 89 | 89 | 88 | 89 | 93 | 98 | 103 | 105 | 105 | 103 | 101 | 97 | 94 | 92 | 90 | 88 | 88 | 90 | 92 | 92 | 91 | 91 |
| 28 | 92 | 91 | 90 | 89 | 88 | 87 | 88 | 93 | 100 | 105 | 107 | 107 | 105 | 102 | 99 | 96 | 93 | 91 | 88 | 87 | 88 | 90 | 90 | 90 |
| 29 | 91 | 92 | 91 | 89 | 87 | 86 | 86 | 88 | 95 | 102 | 107 | 108 | 107 | 105 | 102 | 98 | 95 | 93 | 89 | 86 | 85 | 87 | 88 | 89 |
| 30 | 90 | 91 | 91 | 89 | 86 | 84 | 83 | 84 | 88 | 96 | 103 | 107 | 107 | 105 | 103 | 100 | 96 | 94 | 91 | 87 | 85 | 84 | 86 | 88 |
| 31 | 89 | 90 | 91 | 89 | 86 | 83 | 81 | 81 | 83 | 88 | 96 | 102 | 105 | 104 | 101 | 99 | 96 | 93 | 91 | 89 | 86 | 83 | 84 | 87 |

PUERTO DE PUNTA DEL ESTE

ENERO 2024

Latitud 34°57.7' S

Los valores están dados en centímetros

Huso + 3

Longitud 54°57.1' 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 | 89 | 90 | 90 | 89 | 87 | 83 | 79 | 78 | 78 | 81 | 86 | 93 | 98 | 99 | 97 | 94 | 92 | 90 | 89 | 87 | 86 | 84 | 83 | 85 |
| 2 | 88 | 91 | 91 | 90 | 88 | 84 | 80 | 77 | 76 | 77 | 80 | 85 | 91 | 94 | 93 | 91 | 89 | 87 | 86 | 86 | 86 | 85 | 84 | 84 |
| 3 | 87 | 91 | 92 | 91 | 89 | 87 | 83 | 79 | 77 | 77 | 78 | 80 | 84 | 88 | 90 | 88 | 86 | 85 | 85 | 85 | 85 | 86 | 86 | 85 |
| 4 | 86 | 89 | 92 | 92 | 91 | 88 | 86 | 82 | 79 | 78 | 78 | 79 | 81 | 85 | 88 | 88 | 86 | 85 | 84 | 84 | 85 | 86 | 87 | 87 |
| 5 | 86 | 87 | 90 | 92 | 92 | 90 | 88 | 85 | 83 | 81 | 80 | 80 | 81 | 83 | 87 | 89 | 89 | 88 | 86 | 86 | 86 | 87 | 88 | 88 |
| 6 | 88 | 87 | 88 | 91 | 92 | 91 | 90 | 88 | 86 | 84 | 82 | 82 | 83 | 84 | 86 | 90 | 93 | 93 | 91 | 89 | 89 | 89 | 89 | 90 |
| 7 | 90 | 89 | 88 | 89 | 92 | 93 | 92 | 91 | 90 | 88 | 85 | 84 | 84 | 85 | 86 | 90 | 94 | 97 | 96 | 94 | 92 | 92 | 92 | 92 |
| 8 | 92 | 92 | 91 | 90 | 92 | 94 | 95 | 95 | 94 | 92 | 90 | 87 | 85 | 85 | 86 | 89 | 93 | 97 | 99 | 98 | 95 | 94 | 93 | 93 |
| 9 | 93 | 94 | 94 | 93 | 93 | 95 | 99 | 100 | 100 | 98 | 95 | 91 | 88 | 85 | 86 | 87 | 90 | 94 | 98 | 99 | 97 | 95 | 93 | 93 |
| 10 | 93 | 94 | 94 | 94 | 94 | 96 | 100 | 105 | 107 | 105 | 103 | 98 | 93 | 88 | 86 | 86 | 87 | 90 | 94 | 97 | 97 | 94 | 92 | 91 |
| 11 | 91 | 91 | 92 | 93 | 94 | 96 | 99 | 105 | 111 | 112 | 110 | 106 | 100 | 94 | 88 | 86 | 86 | 86 | 88 | 91 | 93 | 93 | 90 | 88 |
| 12 | 88 | 88 | 88 | 90 | 91 | 93 | 96 | 102 | 109 | 114 | 116 | 113 | 108 | 101 | 94 | 89 | 86 | 85 | 85 | 86 | 89 | 90 | 89 | 86 |
| 13 | 85 | 85 | 85 | 85 | 85 | 87 | 90 | 94 | 101 | 110 | 115 | 116 | 113 | 107 | 101 | 94 | 89 | 87 | 85 | 84 | 85 | 87 | 88 | 87 |
| 14 | 85 | 84 | 83 | 82 | 81 | 81 | 82 | 85 | 90 | 99 | 107 | 113 | 113 | 110 | 106 | 100 | 94 | 90 | 87 | 85 | 84 | 85 | 87 | 89 |
| 15 | 88 | 86 | 84 | 82 | 79 | 77 | 76 | 77 | 80 | 85 | 94 | 103 | 108 | 108 | 106 | 103 | 98 | 93 | 90 | 87 | 85 | 85 | 86 | 90 |
| 16 | 92 | 91 | 89 | 86 | 82 | 78 | 74 | 72 | 72 | 75 | 81 | 90 | 98 | 103 | 104 | 103 | 100 | 96 | 92 | 89 | 87 | 86 | 87 | 90 |
| 17 | 94 | 96 | 95 | 92 | 88 | 83 | 77 | 73 | 70 | 70 | 72 | 78 | 86 | 94 | 99 | 100 | 100 | 98 | 95 | 91 | 89 | 88 | 88 | 90 |
| 18 | 94 | 99 | 101 | 99 | 95 | 90 | 85 | 79 | 74 | 71 | 71 | 73 | 78 | 86 | 93 | 97 | 98 | 98 | 96 | 93 | 90 | 89 | 89 | 90 |
| 19 | 93 | 98 | 102 | 103 | 101 | 97 | 92 | 87 | 81 | 77 | 75 | 75 | 76 | 81 | 88 | 94 | 97 | 97 | 97 | 95 | 92 | 90 | 90 | 90 |
| 20 | 92 | 95 | 100 | 104 | 104 | 102 | 98 | 95 | 90 | 86 | 83 | 81 | 80 | 82 | 86 | 92 | 96 | 97 | 97 | 96 | 94 | 92 | 91 | 91 |
| 21 | 92 | 93 | 97 | 101 | 104 | 104 | 102 | 100 | 97 | 94 | 91 | 89 | 87 | 86 | 87 | 91 | 95 | 97 | 97 | 97 | 95 | 94 | 93 | 92 |
| 22 | 92 | 93 | 94 | 97 | 101 | 103 | 104 | 103 | 102 | 101 | 99 | 96 | 94 | 92 | 90 | 91 | 93 | 96 | 97 | 96 | 95 | 95 | 94 | 93 |
| 23 | 93 | 93 | 93 | 93 | 96 | 100 | 103 | 104 | 105 | 105 | 104 | 102 | 100 | 97 | 94 | 92 | 92 | 93 | 95 | 95 | 94 | 94 | 94 | 93 |
| 24 | 93 | 93 | 92 | 91 | 92 | 95 | 100 | 104 | 106 | 107 | 107 | 106 | 104 | 101 | 98 | 94 | 91 | 90 | 91 | 92 | 92 | 91 | 92 | 92 |
| 25 | 92 | 91 | 90 | 89 | 88 | 90 | 94 | 100 | 105 | 107 | 108 | 108 | 106 | 102 | 99 | 95 | 91 | 88 | 87 | 88 | 89 | 89 | 89 | 90 |
| 26 | 90 | 89 | 88 | 86 | 85 | 85 | 87 | 94 | 100 | 105 | 107 | 107 | 106 | 103 | 99 | 95 | 91 | 87 | 84 | 83 | 85 | 86 | 86 | 87 |
| 27 | 88 | 87 | 85 | 83 | 81 | 80 | 81 | 85 | 93 | 100 | 103 | 104 | 103 | 101 | 97 | 94 | 90 | 87 | 83 | 81 | 81 | 83 | 85 | 86 |
| 28 | 86 | 86 | 84 | 81 | 78 | 76 | 76 | 78 | 84 | 91 | 97 | 99 | 99 | 97 | 95 | 92 | 89 | 86 | 84 | 81 | 80 | 81 | 84 | 86 |
| 29 | 86 | 85 | 84 | 81 | 77 | 74 | 73 | 73 | 76 | 83 | 90 | 94 | 94 | 93 | 91 | 89 | 87 | 85 | 84 | 82 | 81 | 81 | 83 | 86 |
| 30 | 87 | 86 | 85 | 82 | 78 | 74 | 72 | 72 | 73 | 77 | 82 | 88 | 91 | 90 | 88 | 86 | 85 | 84 | 84 | 84 | 83 | 82 | 82 | 85 |
| 31 | 88 | 88 | 87 | 84 | 81 | 77 | 74 | 73 | 73 | 75 | 79 | 84 | 88 | 89 | 87 | 85 | 84 | 84 | 84 | 85 | 85 | 84 | 84 | 85 |

