



Certificación 3<sup>er</sup> trimestre 2021 FNMT-RCM  
Datos de tiempo de la central de red ROA2

Real Instituto y Observatorio de la Armada

1 de Octubre de 2021

| Datos de tiempo de la central de red ROA2 |          |            |            |            |           |           |       |
|---|----------|------------|------------|------------|-----------|-----------|-------|
| Mes de Julio de 2021                      |          |            |            |            |           |           |       |
| Día                                       | Sinc/día | Media(s)   | Max.(s)    | Min(s).    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5400     | -8.979e-07 | -4.320e-07 | -1.339e-06 | 1.247e-07 | 21.82     | 0.107 |
| 02  | 5400     | -9.060e-07 | -4.320e-07 | -1.328e-06 | 1.277e-07 | 21.84     | 0.083 |
| 03  | 5400     | -8.509e-07 | -4.080e-07 | -1.260e-06 | 1.093e-07 | 21.81     | 0.100 |
| 04  | 5400     | -8.590e-07 | 1.135e-05  | -9.970e-06 | 8.476e-07 | 21.81     | 0.134 |
| 05  | 5400     | -8.736e-07 | -4.030e-07 | -1.294e-06 | 1.205e-07 | 21.83     | 0.106 |
| 06  | 5400     | -8.753e-07 | -4.370e-07 | -1.341e-06 | 1.220e-07 | 21.82     | 0.102 |
| 07  | 5400     | -8.634e-07 | -3.940e-07 | -1.288e-06 | 1.238e-07 | 21.81     | 0.106 |
| 08  | 5400     | -8.173e-07 | -3.670e-07 | -1.284e-06 | 1.197e-07 | 21.78     | 0.111 |
| 09  | 5400     | -8.150e-07 | -4.030e-07 | -1.287e-06 | 1.046e-07 | 21.80     | 0.102 |
| 10  | 5400     | -8.457e-07 | -4.080e-07 | -1.252e-06 | 1.126e-07 | 21.80     | 0.101 |
| 11  | 5400     | -8.438e-07 | 1.167e-05  | -1.317e-05 | 8.484e-07 | 21.80     | 0.105 |
| 12  | 5400     | -9.071e-07 | -4.180e-07 | -1.331e-06 | 1.272e-07 | 21.84     | 0.111 |
| 13  | 5400     | -8.766e-07 | -3.820e-07 | -1.300e-06 | 1.200e-07 | 21.82     | 0.112 |
| 14  | 5400     | -8.916e-07 | -4.510e-07 | -1.358e-06 | 1.118e-07 | 21.84     | 0.081 |
| 15  | 5400     | -8.687e-07 | -3.900e-07 | -1.350e-06 | 1.192e-07 | 21.82     | 0.120 |
| 16  | 5400     | -8.535e-07 | 4.210e-07  | -1.331e-06 | 1.182e-07 | 21.82     | 0.105 |
| 17  | 5400     | -9.058e-07 | -4.070e-07 | -1.322e-06 | 1.269e-07 | 21.86     | 0.100 |
| 18  | 5400     | -9.502e-07 | 7.714e-06  | -1.279e-05 | 7.444e-07 | 21.87     | 0.111 |
| 19  | 5400     | -9.690e-07 | -5.070e-07 | -1.413e-06 | 1.098e-07 | 21.90     | 0.083 |
| 20  | 5400     | -9.309e-07 | -4.950e-07 | -1.329e-06 | 1.183e-07 | 21.87     | 0.095 |
| 21  | 5400     | -8.804e-07 | -4.190e-07 | -1.323e-06 | 1.156e-07 | 21.85     | 0.112 |
| 22  | 5400     | -8.707e-07 | -4.140e-07 | -1.299e-06 | 1.168e-07 | 21.83     | 0.105 |
| 23  | 5400     | -9.426e-07 | -5.200e-07 | -1.356e-06 | 1.134e-07 | 21.88     | 0.094 |
| 24  | 5400     | -9.378e-07 | -4.790e-07 | -1.382e-06 | 1.274e-07 | 21.88     | 0.096 |
| 25  | 5400     | -9.691e-07 | 9.333e-06  | -1.088e-05 | 7.426e-07 | 21.88     | 0.106 |
| 26  | 5400     | -9.464e-07 | -4.780e-07 | -1.409e-06 | 1.181e-07 | 21.90     | 0.106 |
| 27  | 5400     | -9.527e-07 | -4.900e-07 | -1.405e-06 | 1.210e-07 | 21.89     | 0.094 |
| 28  | 5400     | -9.694e-07 | -5.190e-07 | -1.368e-06 | 1.162e-07 | 21.91     | 0.103 |
| 29  | 5400     | -9.662e-07 | -5.170e-07 | -1.375e-06 | 1.087e-07 | 21.91     | 0.089 |
| 30  | 5400     | -9.533e-07 | -5.230e-07 | -1.403e-06 | 1.178e-07 | 21.90     | 0.112 |
| 31  | 5400     | -9.134e-07 | -4.910e-07 | -1.353e-06 | 1.176e-07 | 21.87     | 0.110 |

| Datos de tiempo de la central de red ROA2 |          |            |            |            |           |           |       |
|---|----------|------------|------------|------------|-----------|-----------|-------|
| Mes de Agosto de 2021                     |          |            |            |            |           |           |       |
| Día                                       | Sinc/día | Media(s)   | Max.(s)    | Min(s).    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5400     | -8.376e-07 | 9.051e-06  | -1.153e-05 | 7.527e-07 | 21.82     | 0.112 |
| 02  | 5400     | -9.088e-07 | -4.730e-07 | -1.429e-06 | 1.215e-07 | 21.87     | 0.094 |
| 03  | 5400     | -8.954e-07 | -4.620e-07 | -1.356e-06 | 1.146e-07 | 21.85     | 0.098 |
| 04  | 5400     | -9.222e-07 | -4.620e-07 | -1.357e-06 | 1.127e-07 | 21.88     | 0.107 |
| 05  | 5400     | -9.314e-07 | -4.910e-07 | -1.376e-06 | 1.163e-07 | 21.88     | 0.108 |
| 06  | 5400     | -9.458e-07 | -4.440e-07 | -1.425e-06 | 1.179e-07 | 21.88     | 0.095 |
| 07  | 5400     | -9.753e-07 | -5.070e-07 | -1.385e-06 | 1.108e-07 | 21.90     | 0.083 |
| 08  | 5400     | -8.605e-07 | 1.030e-05  | -1.099e-05 | 7.894e-07 | 21.85     | 0.127 |
| 09  | 5400     | -9.174e-07 | -4.700e-07 | -1.330e-06 | 1.150e-07 | 21.88     | 0.112 |
| 10  | 5400     | -9.044e-07 | -4.850e-07 | -1.366e-06 | 1.091e-07 | 21.86     | 0.106 |
| 11  | 5400     | -9.491e-07 | -5.130e-07 | -1.406e-06 | 1.059e-07 | 21.90     | 0.093 |
| 12  | 5400     | -9.618e-07 | -4.710e-07 | -1.510e-06 | 1.145e-07 | 21.91     | 0.101 |
| 13  | 5400     | -9.781e-07 | -5.590e-07 | -1.411e-06 | 1.165e-07 | 21.92     | 0.095 |
| 14  | 5400     | -9.888e-07 | -5.760e-07 | -1.405e-06 | 1.177e-07 | 21.93     | 0.094 |
| 15  | 5400     | -9.361e-07 | 1.019e-05  | -1.143e-05 | 7.642e-07 | 21.87     | 0.135 |
| 16  | 5400     | -9.495e-07 | -5.110e-07 | -1.424e-06 | 1.152e-07 | 21.89     | 0.096 |
| 17  | 5400     | -9.476e-07 | -5.440e-07 | -1.393e-06 | 1.090e-07 | 21.90     | 0.083 |
| 18  | 5400     | -9.245e-07 | -5.100e-07 | -1.385e-06 | 1.099e-07 | 21.89     | 0.088 |
| 19  | 5400     | -9.479e-07 | -5.430e-07 | -1.329e-06 | 1.142e-07 | 21.91     | 0.101 |
| 20  | 5400     | -9.236e-07 | -4.810e-07 | -1.384e-06 | 1.108e-07 | 21.90     | 0.088 |
| 21  | 5400     | -9.215e-07 | -4.510e-07 | -1.331e-06 | 1.124e-07 | 21.89     | 0.087 |
| 22  | 5400     | -9.093e-07 | 1.087e-05  | -9.520e-06 | 8.007e-07 | 21.87     | 0.118 |
| 23  | 5400     | -9.027e-07 | -4.620e-07 | -1.362e-06 | 1.078e-07 | 21.88     | 0.081 |
| 24  | 5400     | -9.415e-07 | -5.110e-07 | -1.370e-06 | 1.187e-07 | 21.91     | 0.106 |
| 25  | 5400     | -9.249e-07 | -5.010e-07 | -1.334e-06 | 1.203e-07 | 21.90     | 0.086 |
| 26  | 5400     | -9.348e-07 | -4.730e-07 | -1.339e-06 | 1.114e-07 | 21.90     | 0.095 |
| 27  | 5400     | -1.049e-06 | -4.590e-07 | -1.599e-06 | 1.721e-07 | 21.97     | 0.247 |
| 28  | 5400     | -1.154e-06 | -6.430e-07 | -1.671e-06 | 1.485e-07 | 22.13     | 0.158 |
| 29  | 5400     | -1.012e-06 | 1.006e-05  | -8.211e-06 | 7.504e-07 | 22.04     | 0.114 |
| 30  | 5400     | -1.087e-06 | -6.450e-07 | -1.520e-06 | 1.259e-07 | 22.05     | 0.113 |
| 31  | 5400     | -1.098e-06 | -6.830e-07 | -1.533e-06 | 1.144e-07 | 22.06     | 0.095 |

| Datos de tiempo de la central de red ROA2 |          |            |            |            |           |           |       |
|---|----------|------------|------------|------------|-----------|-----------|-------|
| Mes de Septiembre de 2021                 |          |            |            |            |           |           |       |
| Día                                       | Sinc/día | Media(s)   | Max.(s)    | Min(s).    | RMS(s)    | Frec(ppm) | +/-   |
| 01  | 5400     | -1.116e-06 | -6.220e-07 | -1.515e-06 | 1.110e-07 | 22.06     | 0.093 |
| 02  | 5400     | -1.108e-06 | -7.280e-07 | -1.465e-06 | 1.100e-07 | 22.07     | 0.095 |
| 03  | 5400     | -1.097e-06 | -6.350e-07 | -1.541e-06 | 1.128e-07 | 22.06     | 0.100 |
| 04  | 5400     | -1.116e-06 | -7.120e-07 | -1.579e-06 | 1.098e-07 | 22.08     | 0.107 |
| 05  | 5400     | -1.096e-06 | 1.002e-05  | -1.060e-05 | 7.754e-07 | 22.06     | 0.112 |
| 06  | 5400     | -1.067e-06 | -5.770e-07 | -1.603e-06 | 1.504e-07 | 22.08     | 0.217 |
| 07  | 5400     | -9.741e-07 | -5.900e-07 | -1.437e-06 | 1.089e-07 | 21.98     | 0.088 |
| 08  | 5400     | -1.005e-06 | -5.710e-07 | -1.406e-06 | 1.046e-07 | 21.97     | 0.032 |
| 09  | 5400     | -9.940e-07 | -5.990e-07 | -1.355e-06 | 1.043e-07 | 21.98     | 0.107 |
| 10  | 5400     | -9.909e-07 | -5.860e-07 | -1.415e-06 | 1.165e-07 | 21.96     | 0.094 |
| 11  | 5400     | -1.046e-06 | -5.620e-07 | -1.466e-06 | 1.247e-07 | 21.97     | 0.083 |
| 12  | 5400     | -1.005e-06 | 7.757e-06  | -9.808e-06 | 7.247e-07 | 21.91     | 0.159 |
| 13  | 5400     | -1.075e-06 | -5.570e-07 | -1.545e-06 | 1.397e-07 | 22.07     | 0.151 |
| 14  | 5400     | -1.239e-06 | -8.670e-07 | -1.633e-06 | 1.102e-07 | 22.19     | 0.095 |
| 15  | 5400     | -1.243e-06 | -8.340e-07 | -1.649e-06 | 1.039e-07 | 22.20     | 0.040 |
| 16  | 5400     | -1.264e-06 | -8.630e-07 | -1.688e-06 | 1.143e-07 | 22.21     | 0.053 |
| 17  | 5400     | -1.257e-06 | -8.490e-07 | -1.627e-06 | 1.056e-07 | 22.22     | 0.053 |
| 18  | 5400     | -1.273e-06 | -8.980e-07 | -1.640e-06 | 1.051e-07 | 22.24     | 0.034 |
| 19  | 5400     | -1.230e-06 | 9.391e-06  | -9.022e-06 | 8.247e-07 | 22.17     | 0.116 |
| 20  | 5400     | -1.289e-06 | -9.190e-07 | -1.693e-06 | 1.052e-07 | 22.25     | 0.036 |
| 21  | 5400     | -1.262e-06 | -8.820e-07 | -1.665e-06 | 1.105e-07 | 22.23     | 0.060 |
| 22  | 5400     | -1.242e-06 | -7.010e-07 | -1.695e-06 | 1.345e-07 | 22.17     | 0.180 |
| 23  | 5400     | -1.129e-06 | -7.420e-07 | -1.546e-06 | 1.196e-07 | 22.15     | 0.149 |
| 24  | 5400     | -1.140e-06 | -7.300e-07 | -1.586e-06 | 1.158e-07 | 22.10     | 0.113 |
| 25  | 5400     | -1.092e-06 | -6.590e-07 | -1.547e-06 | 1.346e-07 | 22.06     | 0.089 |
| 26  | 5400     | -1.056e-06 | 1.034e-05  | -9.449e-06 | 8.106e-07 | 22.07     | 0.123 |
| 27  | 5400     | -1.096e-06 | -5.520e-07 | -1.552e-06 | 1.240e-07 | 22.04     | 0.160 |
| 28  | 5400     | -9.327e-07 | -4.770e-07 | -1.422e-06 | 1.108e-07 | 21.92     | 0.088 |
| 29  | 5400     | -1.030e-06 | -5.920e-07 | -1.473e-06 | 1.182e-07 | 22.01     | 0.165 |
| 30  | 5400     | -9.397e-07 | -4.640e-07 | -1.480e-06 | 1.343e-07 | 22.00     | 0.209 |



San Fernando a 1 de Octubre de 2021



El CF., Jefe de la Sección de Hora