

# BOLETÍN DE SISMOS

» Diciembre de 2022

» Volumen 30, 12

SERVICIO  
GEOLÓGICO  
COLOMBIANO



MINISTERIO DE MINAS Y  
ENERGÍA

# **Boletín de Sismos**

## **Diciembre de 2022**

**Servicio Geológico Colombiano**

Bogotá, enero de 2023

BOLETÍN DE SISMOS

Publicado en enero de 2023

**SERVICIO GEOLÓGICO COLOMBIANO**

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# 1

## Presentación

La Red Sismológica Nacional de Colombia RSNC adscrita al SERVICIO GEOLÓGICO COLOMBIANO, es la encargada de observar, monitorear, investigar y evaluar la actividad sísmica del país de manera continua y permanente, con el fin de conocer el fenómeno sísmico y la amenaza que este representa. Así mismo, ante la ocurrencia de un evento destacado, brindar información oportuna al Sistema Nacional de Gestión del Riesgo de Desastres (SNGRD), a las diferentes entidades y a la comunidad en general.

El propósito del boletín mensual es presentar un resumen de los parámetros y localizaciones preliminares de los sismos registrados por la RSNC en el territorio colombiano durante el periodo respectivo. Información general de la Red Sismológica, así como la sismicidad general registrada desde junio de 1993, se puede consultar en nuestra página web <http://www.sgc.gov.co>.

Cordialmente,

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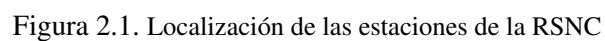
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## 2.1 Mapa de las estaciones



## 2.2 Histograma de funcionamiento de las estaciones

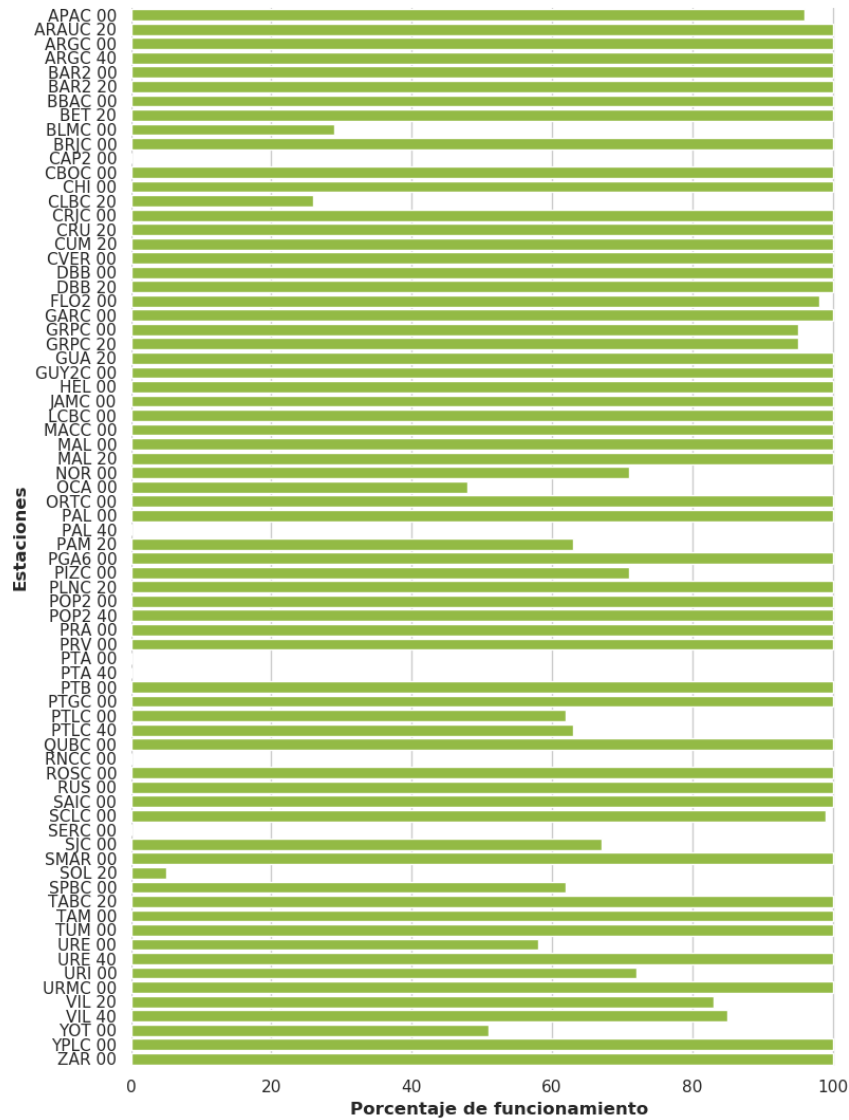


Figura 2.2. El porcentaje de funcionamiento es calculado según la disponibilidad de los datos

## 3

# Sismicidad de diciembre de 2022

Durante el mes de diciembre se registraron 2286 eventos, entre los cuales 2181 corresponden a eventos locales, 38 a eventos regionales, 53 a eventos en el Océano Pacífico, 11 a eventos en el Mar Caribe y 3 a eventos Volcánicos. De los eventos localizados, 18 se determinaron como destacados, ver tabla 3.1 y figura 3.1.

Un evento es denominado como destacado si:

1. El sismo tiene magnitud (M) mayor o igual a 4.0.
2. El sismo es reportado como sentido cerca al epicentro, sin importar su magnitud.
3. El sismo está asociado a sismicidad volcánica con magnitud mayor o igual a 3.0.

## Convenciones

|                  |                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Fecha</b>     | Año Mes Día                                                                                                                                      |
| <b>H:M:S</b>     | Hora:Minuto:Segundo. Hora del evento en tiempo universal (UT).<br>Para la hora local en el territorio Colombiano se restan 5 horas a la hora UT. |
| <b>LAT</b>       | Latitud en grados.                                                                                                                               |
| <b>LON</b>       | Longitud en grados.                                                                                                                              |
| <b>Z</b>         | Profundidad en kilómetros.                                                                                                                       |
| <b>M</b>         | Magnitud preferida para el sismo. Puede ser alguna de las siguientes:<br>Mw(mB), Mw(Mwp), MLr, M (promedio ponderado de las magnitudes).         |
| <b>Ubicación</b> | Epicentro del evento.                                                                                                                            |

## Nota

El promedio ponderado de las magnitudes se calcula de la siguiente manera:

$$M = \frac{\sum w_i M_i}{\sum w_i}$$

Donde  $w_i = a_i * \text{conteo\_estaciones}(M_i) + b_i$ . Los tipos de magnitud utilizados son:

- **MLr**: Magnitud local adecuada para Colombia (Rengifo y Ojeda, 2004).
- **Mw(mB)**: Estimación de magnitud Mw con base en la magnitud mB a través de la regresión Mw vs. mB (Bormann y Saul, 2008).
- **Mw(Mwp)**: Estimación de magnitud Mw con base en la magnitud Mwp a través de la regresión Mw vs. Mwp (Whitmore *et al.*, 2002).

Las magnitudes Mw son consideradas para calcular la magnitud promedio si se encuentran en al menos cuatro estaciones. En caso contrario se deja la magnitud local. ■

### 3.1 Tabla de sismicidad destacada diciembre de 2022

Tabla 3.1. Eventos destacados durante diciembre de 2022

| N  | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                              |
|----|------------|----------|--------|---------|-----|-----|----------------------------------------|
| 1  | 2022/12/02 | 01:48:55 | 7,235  | -77,076 | 58  | 4,1 | Ríosucio, Chocó                        |
| 2  | 2022/12/02 | 04:57:24 | 4,683  | -75,823 | 39  | 2,9 | Alcalá, Valle del Cauca                |
| 3  | 2022/12/02 | 08:43:24 | 7,237  | -77,087 | 55  | 4,0 | Ríosucio, Chocó                        |
| 4  | 2022/12/02 | 13:24:00 | 6,780  | -73,209 | 150 | 4,2 | Zapatoca, Santander                    |
| 5  | 2022/12/02 | 17:36:00 | 4,482  | -75,395 | 3   | 4,5 | Área de influencia volcán Cerro Machin |
| 6  | 2022/12/02 | 23:09:22 | 8,029  | -72,587 | 19  | 4,7 | Cúcuta, Norte de Santander             |
| 7  | 2022/12/03 | 11:41:34 | 7,258  | -77,042 | 55  | 4,8 | Ríosucio, Chocó                        |
| 8  | 2022/12/07 | 21:07:27 | 6,928  | -75,747 | 18  | 3,2 | Sabanalarga, Antioquia                 |
| 9  | 2022/12/12 | 14:49:08 | 3,751  | -76,760 | 64  | 4,1 | Dagua, Valle del Cauca                 |
| 10 | 2022/12/12 | 18:27:32 | 4,771  | -82,799 | 0   | 5,4 | Océano Pacífico                        |
| 11 | 2022/12/14 | 06:36:57 | 6,797  | -73,153 | 150 | 4,4 | Los Santos, Santander                  |
| 12 | 2022/12/14 | 17:39:03 | 3,456  | -74,179 | 10  | 3,9 | Mesetas, Meta                          |
| 13 | 2022/12/17 | 09:46:31 | 1,486  | -79,475 | 10  | 5,3 | Océano Pacífico                        |
| 14 | 2022/12/17 | 15:57:51 | 1,446  | -79,454 | 7   | 4,3 | Cerca de la Costa de Ecuador           |
| 15 | 2022/12/20 | 20:05:35 | 1,947  | -76,004 | 9   | 3,7 | Pitalito, Huila                        |
| 16 | 2022/12/21 | 04:34:20 | 1,951  | -76,022 | 32  | 3,5 | Pitalito, Huila                        |
| 17 | 2022/12/26 | 07:27:29 | 10,951 | -73,880 | 13  | 4,3 | Ciénaga, Magdalena                     |
| 18 | 2022/12/30 | 01:07:50 | 2,876  | -74,809 | 28  | 4,1 | San Vicente del Caguán, Caquetá        |



### 3.2 Mapa de sismicidad destacada diciembre de 2022

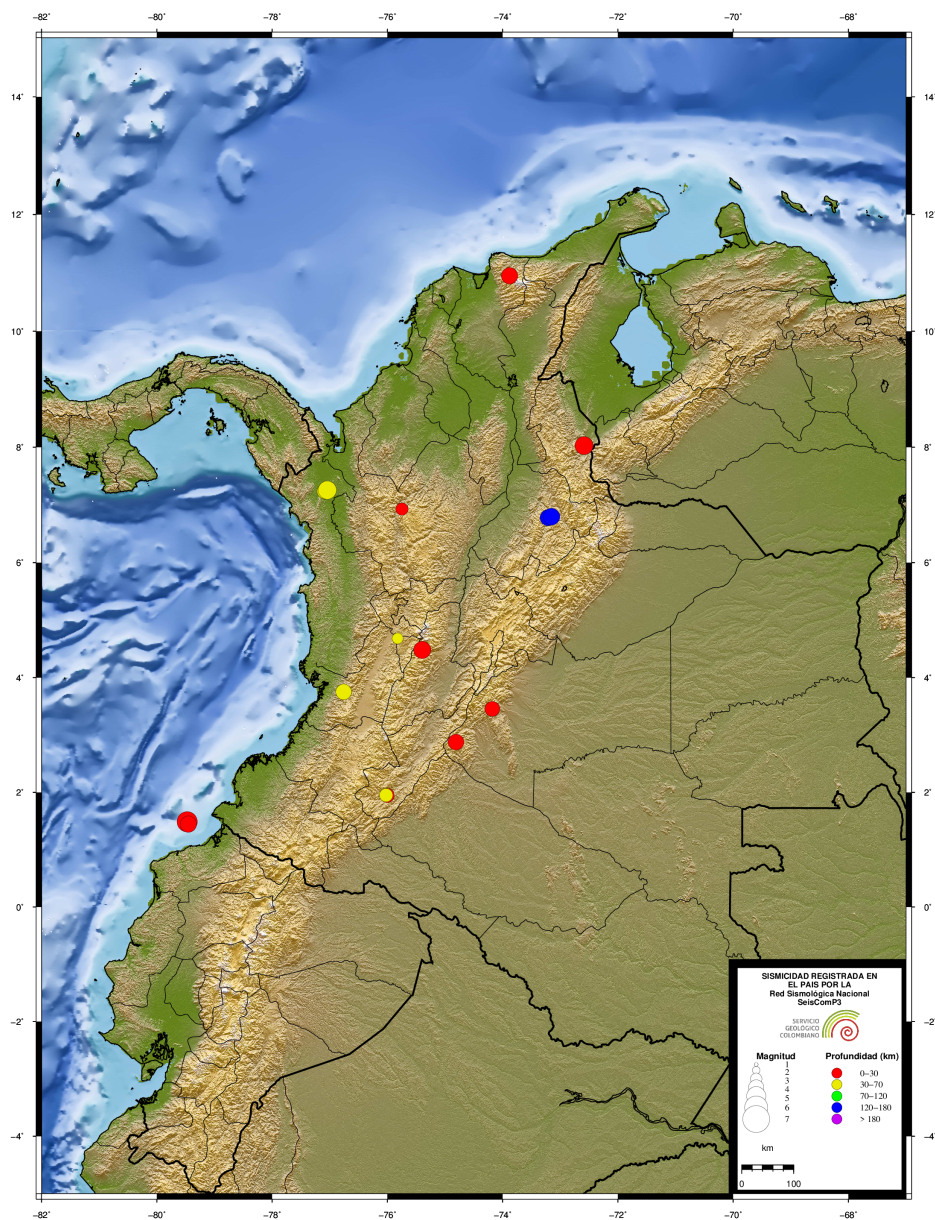


Figura 3.1. Eventos destacados durante diciembre de 2022

### 3.3 Tabla de sismicidad mensual diciembre de 2022

Tabla 3.2. Eventos durante diciembre de 2022

| N  | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                          |
|----|------------|----------|-------|---------|-----|-----|------------------------------------|
| 1  | 2022/12/01 | 00:16:27 | 6,778 | -73,385 | 131 | 1,5 | San Vicente de Chucurí, Santander  |
| 2  | 2022/12/01 | 00:16:41 | 5,305 | -77,374 | 10  | 1,8 | Bajo Baudó (Pizarro), Chocó        |
| 3  | 2022/12/01 | 00:17:50 | 6,745 | -73,099 | 141 | 1,9 | Los Santos, Santander              |
| 4  | 2022/12/01 | 00:19:40 | 2,540 | -76,662 | 10  | 0,2 | Popayán, Cauca                     |
| 5  | 2022/12/01 | 00:28:33 | 6,763 | -73,138 | 137 | 1,9 | Los Santos, Santander              |
| 6  | 2022/12/01 | 00:46:06 | 6,911 | -73,251 | 128 | 1,4 | Betulia, Santander                 |
| 7  | 2022/12/01 | 00:50:47 | 6,720 | -73,163 | 141 | 1,6 | Villanueva, Santander              |
| 8  | 2022/12/01 | 01:14:24 | 6,844 | -73,079 | 144 | 1,6 | Los Santos, Santander              |
| 9  | 2022/12/01 | 01:23:53 | 3,353 | -74,456 | 18  | 1,2 | Uribe, Meta                        |
| 10 | 2022/12/01 | 01:25:02 | 4,547 | -76,173 | 19  | 1,6 | La Unión, Valle del Cauca          |
| 11 | 2022/12/01 | 01:29:54 | 6,771 | -73,111 | 133 | 1,5 | Los Santos, Santander              |
| 12 | 2022/12/01 | 01:56:19 | 6,772 | -73,135 | 150 | 1,7 | Los Santos, Santander              |
| 13 | 2022/12/01 | 02:22:55 | 6,752 | -74,428 | 16  | 1,1 | Yondó (Casabe), Antioquia          |
| 14 | 2022/12/01 | 02:54:32 | 6,724 | -73,184 | 148 | 1,6 | Villanueva, Santander              |
| 15 | 2022/12/01 | 03:07:45 | 6,784 | -73,116 | 145 | 1,6 | Los Santos, Santander              |
| 16 | 2022/12/01 | 03:23:29 | 5,806 | -74,201 | 80  | 1,1 | Otanche, Boyacá                    |
| 17 | 2022/12/01 | 03:49:21 | 6,776 | -73,145 | 143 | 1,6 | Los Santos, Santander              |
| 18 | 2022/12/01 | 04:04:34 | 2,139 | -75,647 | 24  | 1,3 | Garzón, Huila                      |
| 19 | 2022/12/01 | 04:08:06 | 5,612 | -74,337 | 76  | 1,4 | Yacopí, Cundinamarca               |
| 20 | 2022/12/01 | 04:24:37 | 6,767 | -73,104 | 139 | 1,8 | Los Santos, Santander              |
| 21 | 2022/12/01 | 04:26:28 | 6,754 | -73,116 | 133 | 1,8 | Los Santos, Santander              |
| 22 | 2022/12/01 | 04:39:26 | 6,761 | -76,712 | 33  | 2,4 | Murindó, Antioquia                 |
| 23 | 2022/12/01 | 04:40:05 | 6,937 | -76,639 | 19  | 2,4 | Murindó, Antioquia                 |
| 24 | 2022/12/01 | 05:00:46 | 6,779 | -73,163 | 138 | 1,5 | Los Santos, Santander              |
| 25 | 2022/12/01 | 05:20:39 | 6,771 | -73,167 | 137 | 1,6 | Los Santos, Santander              |
| 26 | 2022/12/01 | 06:06:44 | 5,956 | -73,708 | 102 | 1,4 | Guavatá, Santander                 |
| 27 | 2022/12/01 | 06:19:44 | 2,652 | -76,197 | 11  | 1,2 | Páez (Belalcázar), Cauca           |
| 28 | 2022/12/01 | 06:36:25 | 6,804 | -73,116 | 140 | 1,4 | Los Santos, Santander              |
| 29 | 2022/12/01 | 06:40:53 | 5,638 | -76,079 | 57  | 0,8 | Bagadó, Chocó                      |
| 30 | 2022/12/01 | 06:50:58 | 6,842 | -73,115 | 128 | 1,5 | Los Santos, Santander              |
| 31 | 2022/12/01 | 07:13:57 | 2,164 | -75,642 | 28  | 1,0 | Garzón, Huila                      |
| 32 | 2022/12/01 | 07:20:42 | 4,770 | -74,696 | 39  | 1,0 | San Juan de Río seco, Cundinamarca |
| 33 | 2022/12/01 | 07:30:45 | 5,938 | -76,405 | 16  | 1,0 | Quibdó, Chocó                      |
| 34 | 2022/12/01 | 07:36:39 | 6,512 | -76,724 | 29  | 1,7 | Vigia del Fuerte, Antioquia        |
| 35 | 2022/12/01 | 07:54:45 | 4,672 | -78,050 | 25  | 3,1 | Océano Pacífico                    |
| 36 | 2022/12/01 | 08:05:58 | 6,744 | -73,158 | 156 | 1,5 | Los Santos, Santander              |
| 37 | 2022/12/01 | 08:06:10 | 6,826 | -73,110 | 151 | 1,6 | Los Santos, Santander              |
| 38 | 2022/12/01 | 08:13:06 | 6,668 | -73,286 | 136 | 1,3 | Galán, Santander                   |
| 39 | 2022/12/01 | 08:19:54 | 5,506 | -76,635 | 23  | 1,5 | Atrato (Yuto), Chocó               |
| 40 | 2022/12/01 | 09:21:06 | 2,876 | -78,092 | 3   | 1,6 | Océano Pacífico                    |

| N  | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                                |
|----|------------|----------|--------|---------|-----|-----|------------------------------------------|
| 41 | 2022/12/01 | 09:40:40 | 3,991  | -76,571 | 99  | 1,6 | El Litoral del San Juan (Docordó), Chocó |
| 42 | 2022/12/01 | 09:51:08 | 2,140  | -74,769 | 22  | 1,4 | San Vicente del Caguán, Caquetá          |
| 43 | 2022/12/01 | 11:04:14 | 6,275  | -73,681 | 113 | 1,1 | La Paz, Santander                        |
| 44 | 2022/12/01 | 12:27:41 | 6,792  | -73,124 | 132 | 1,7 | Los Santos, Santander                    |
| 45 | 2022/12/01 | 12:40:24 | 4,636  | -76,615 | 40  | 2,2 | Sipí, Chocó                              |
| 46 | 2022/12/01 | 12:53:04 | 6,768  | -73,040 | 141 | 1,7 | Los Santos, Santander                    |
| 47 | 2022/12/01 | 13:11:01 | 6,745  | -76,186 | 14  | 2,3 | Frontino, Antioquia                      |
| 48 | 2022/12/01 | 13:28:55 | 5,306  | -76,272 | 82  | 1,5 | Tadó, Chocó                              |
| 49 | 2022/12/01 | 13:45:18 | 6,784  | -73,081 | 143 | 1,6 | Los Santos, Santander                    |
| 50 | 2022/12/01 | 14:14:05 | 6,757  | -73,132 | 137 | 2,2 | Los Santos, Santander                    |
| 51 | 2022/12/01 | 14:35:28 | 6,824  | -76,265 | 10  | 1,4 | Frontino, Antioquia                      |
| 52 | 2022/12/01 | 14:54:21 | 10,918 | -72,839 | 82  | 2,1 | Fonseca, La Guajira                      |
| 53 | 2022/12/01 | 15:19:01 | 6,749  | -73,141 | 134 | 1,9 | Los Santos, Santander                    |
| 54 | 2022/12/01 | 15:21:00 | 5,298  | -74,500 | 25  | 1,2 | Caparrapí, Cundinamarca                  |
| 55 | 2022/12/01 | 15:35:35 | 6,768  | -73,166 | 150 | 1,5 | Los Santos, Santander                    |
| 56 | 2022/12/01 | 15:44:46 | 5,747  | -73,914 | 136 | 1,5 | Albania, Santander                       |
| 57 | 2022/12/01 | 15:57:03 | 6,798  | -73,160 | 152 | 3,4 | Los Santos, Santander                    |
| 58 | 2022/12/01 | 16:12:58 | 2,215  | -76,005 | 17  | 1,8 | La Plata, Huila                          |
| 59 | 2022/12/01 | 16:32:12 | 5,602  | -72,842 | 13  | 1,9 | Sogamoso, Boyacá                         |
| 60 | 2022/12/01 | 16:42:34 | 7,190  | -75,263 | 32  | 1,6 | Anorí, Antioquia                         |
| 61 | 2022/12/01 | 17:00:36 | 6,767  | -73,163 | 146 | 1,4 | Los Santos, Santander                    |
| 62 | 2022/12/01 | 17:28:40 | 3,908  | -76,194 | 102 | 1,5 | Buga, Valle del Cauca                    |
| 63 | 2022/12/01 | 18:17:31 | 3,455  | -74,213 | 13  | 1,0 | Mesetas, Meta                            |
| 64 | 2022/12/01 | 19:07:50 | 5,962  | -76,152 | 46  | 1,6 | El Carmen, Chocó                         |
| 65 | 2022/12/01 | 19:52:38 | 6,766  | -73,129 | 134 | 1,7 | Los Santos, Santander                    |
| 66 | 2022/12/01 | 20:07:08 | 4,907  | -76,068 | 101 | 2,1 | El Águila, Valle del Cauca               |
| 67 | 2022/12/01 | 20:13:34 | 6,741  | -73,116 | 137 | 2,1 | Los Santos, Santander                    |
| 68 | 2022/12/01 | 20:14:59 | 6,772  | -73,100 | 141 | 2,5 | Los Santos, Santander                    |
| 69 | 2022/12/01 | 20:15:45 | 6,795  | -73,115 | 143 | 3,0 | Los Santos, Santander                    |
| 70 | 2022/12/01 | 20:16:23 | 6,745  | -73,107 | 135 | 2,3 | Los Santos, Santander                    |
| 71 | 2022/12/01 | 20:37:16 | 2,066  | -75,748 | 26  | 1,4 | Altamira, Huila                          |
| 72 | 2022/12/01 | 20:54:02 | 6,798  | -73,150 | 141 | 1,6 | Los Santos, Santander                    |
| 73 | 2022/12/01 | 20:56:28 | 6,550  | -73,603 | 117 | 1,5 | El Carmen, Santander                     |
| 74 | 2022/12/01 | 21:27:32 | 7,420  | -73,189 | 138 | 2,1 | El Playón, Santander                     |
| 75 | 2022/12/01 | 22:20:38 | 6,776  | -73,125 | 145 | 2,9 | Los Santos, Santander                    |
| 76 | 2022/12/01 | 23:43:51 | 5,780  | -75,475 | 13  | 1,4 | Abejorral, Antioquia                     |
| 77 | 2022/12/02 | 01:04:50 | 8,666  | -73,013 | 137 | 2,2 | El Tarra, Norte de Santander             |
| 78 | 2022/12/02 | 01:06:04 | 0,943  | -77,333 | 3   | 1,9 | Funes, Nariño                            |
| 79 | 2022/12/02 | 01:34:40 | 3,791  | -77,001 | 40  | 2,3 | Buenaventura, Valle del Cauca            |
| 80 | 2022/12/02 | 01:37:43 | 5,262  | -73,729 | 145 | 3,6 | Cucunubá, Cundinamarca                   |
| 81 | 2022/12/02 | 01:47:05 | 5,292  | -73,693 | 136 | 2,3 | Lenguazaque, Cundinamarca                |
| 82 | 2022/12/02 | 01:48:55 | 7,235  | -77,076 | 58  | 4,1 | Ríosucio, Chocó                          |
| 83 | 2022/12/02 | 01:50:30 | 7,228  | -77,047 | 37  | 3,4 | Ríosucio, Chocó                          |
| 84 | 2022/12/02 | 02:08:00 | 4,962  | -75,171 | 38  | 0,9 | Villahermosa, Tolima                     |
| 85 | 2022/12/02 | 02:12:03 | 7,255  | -76,938 | 34  | 1,9 | Carmen del Darién (Curbaradó), Chocó     |
| 86 | 2022/12/02 | 02:33:05 | 4,308  | -76,556 | 75  | 1,7 | El Litoral del San Juan (Docordó), Chocó |

| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                                |
|-----|------------|----------|-------|---------|-----|-----|------------------------------------------|
| 87  | 2022/12/02 | 02:48:42 | 6,740 | -73,134 | 138 | 2,2 | Los Santos, Santander                    |
| 88  | 2022/12/02 | 02:51:13 | 6,796 | -73,146 | 131 | 1,7 | Los Santos, Santander                    |
| 89  | 2022/12/02 | 02:54:16 | 6,694 | -73,116 | 140 | 1,8 | Jordán, Santander                        |
| 90  | 2022/12/02 | 03:14:03 | 7,157 | -77,005 | 3   | 1,8 | Carmen del Darién (Curbaradó), Chocó     |
| 91  | 2022/12/02 | 03:28:57 | 6,785 | -73,168 | 153 | 1,6 | Los Santos, Santander                    |
| 92  | 2022/12/02 | 03:34:27 | 6,818 | -73,123 | 143 | 2,5 | Los Santos, Santander                    |
| 93  | 2022/12/02 | 03:41:30 | 4,898 | -73,167 | 18  | 2,6 | San Luis de Gaceno, Boyacá               |
| 94  | 2022/12/02 | 04:03:10 | 6,762 | -73,056 | 130 | 1,8 | Los Santos, Santander                    |
| 95  | 2022/12/02 | 04:41:49 | 6,922 | -76,264 | 17  | 1,5 | Dabeiba, Antioquia                       |
| 96  | 2022/12/02 | 04:45:41 | 6,795 | -73,138 | 148 | 1,6 | Los Santos, Santander                    |
| 97  | 2022/12/02 | 04:57:24 | 4,683 | -75,823 | 39  | 2,9 | Alcalá, Valle del Cauca                  |
| 98  | 2022/12/02 | 05:23:44 | 9,548 | -73,701 | 99  | 2,3 | El Paso, Cesar                           |
| 99  | 2022/12/02 | 05:34:49 | 7,313 | -74,661 | 23  | 1,7 | Segovia, Antioquia                       |
| 100 | 2022/12/02 | 05:38:56 | 6,849 | -73,322 | 131 | 1,6 | Zapatoca, Santander                      |
| 101 | 2022/12/02 | 05:59:33 | 3,950 | -75,602 | 19  | 1,3 | San Antonio, Tolima                      |
| 102 | 2022/12/02 | 06:40:11 | 5,820 | -73,708 | 100 | 1,7 | Puente Nacional, Santander               |
| 103 | 2022/12/02 | 07:29:15 | 6,388 | -73,548 | 122 | 1,5 | Santa Helena del Opón, Santander         |
| 104 | 2022/12/02 | 07:36:11 | 1,927 | -76,210 | 30  | 0,7 | Isnos, Huila                             |
| 105 | 2022/12/02 | 07:43:00 | 6,732 | -73,133 | 133 | 1,8 | Los Santos, Santander                    |
| 106 | 2022/12/02 | 07:54:29 | 5,542 | -76,121 | 45  | 2,4 | Bagadó, Chocó                            |
| 107 | 2022/12/02 | 08:11:37 | 6,734 | -73,135 | 141 | 1,4 | Los Santos, Santander                    |
| 108 | 2022/12/02 | 08:21:08 | 5,937 | -75,216 | 30  | 0,5 | Carmen de Viboral, Antioquia             |
| 109 | 2022/12/02 | 08:31:58 | 6,750 | -73,138 | 140 | 2,2 | Los Santos, Santander                    |
| 110 | 2022/12/02 | 08:40:07 | 6,743 | -73,278 | 169 | 1,6 | Zapatoca, Santander                      |
| 111 | 2022/12/02 | 08:40:16 | 6,904 | -73,224 | 127 | 1,3 | Zapatoca, Santander                      |
| 112 | 2022/12/02 | 08:40:39 | 6,798 | -73,343 | 130 | 1,6 | Zapatoca, Santander                      |
| 113 | 2022/12/02 | 08:43:24 | 7,237 | -77,087 | 55  | 4,0 | Ríosucio, Chocó                          |
| 114 | 2022/12/02 | 08:46:33 | 2,554 | -79,744 | 0   | 3,2 | Océano Pacífico                          |
| 115 | 2022/12/02 | 08:48:15 | 2,425 | -79,828 | 15  | 2,7 | Océano Pacífico                          |
| 116 | 2022/12/02 | 08:51:34 | 7,408 | -73,124 | 137 | 1,6 | Rionegro, Santander                      |
| 117 | 2022/12/02 | 08:54:20 | 7,209 | -77,036 | 37  | 2,6 | Carmen del Darién (Curbaradó), Chocó     |
| 118 | 2022/12/02 | 09:07:15 | 6,220 | -73,598 | 110 | 1,1 | La Paz, Santander                        |
| 119 | 2022/12/02 | 09:16:38 | 7,227 | -77,087 | 52  | 3,0 | Ríosucio, Chocó                          |
| 120 | 2022/12/02 | 09:31:19 | 5,135 | -76,029 | 57  | 0,9 | Apía, Risaralda                          |
| 121 | 2022/12/02 | 10:05:47 | 6,763 | -73,147 | 142 | 2,4 | Los Santos, Santander                    |
| 122 | 2022/12/02 | 10:44:55 | 5,775 | -75,983 | 63  | 1,7 | Betania, Antioquia                       |
| 123 | 2022/12/02 | 11:32:21 | 2,519 | -76,894 | 16  | 2,0 | El Tambo, Cauca                          |
| 124 | 2022/12/02 | 11:50:08 | 7,222 | -77,089 | 58  | 3,7 | Ríosucio, Chocó                          |
| 125 | 2022/12/02 | 13:24:00 | 6,780 | -73,209 | 150 | 4,2 | Zapatoca, Santander                      |
| 126 | 2022/12/02 | 14:05:47 | 3,310 | -74,330 | 12  | 1,5 | Uribe, Meta                              |
| 127 | 2022/12/02 | 14:28:42 | 6,757 | -73,184 | 152 | 1,6 | Los Santos, Santander                    |
| 128 | 2022/12/02 | 14:45:46 | 4,218 | -76,625 | 60  | 1,3 | El Litoral del San Juan (Docordó), Chocó |
| 129 | 2022/12/02 | 14:49:30 | 4,728 | -74,683 | 73  | 1,2 | Pulí, Cundinamarca                       |
| 130 | 2022/12/02 | 14:51:57 | 6,665 | -73,214 | 138 | 1,7 | Barichara, Santander                     |
| 131 | 2022/12/02 | 14:53:24 | 6,721 | -73,175 | 148 | 1,6 | Villanueva, Santander                    |
| 132 | 2022/12/02 | 15:36:24 | 7,215 | -77,034 | 37  | 2,4 | Carmen del Darién (Curbaradó), Chocó     |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                              |
|-----|------------|----------|--------|---------|-----|-----|----------------------------------------|
| 133 | 2022/12/02 | 17:03:49 | 6,804  | -73,133 | 136 | 2,0 | Los Santos, Santander                  |
| 134 | 2022/12/02 | 17:19:14 | 2,424  | -76,558 | 13  | 0,4 | Popayán, Cauca                         |
| 135 | 2022/12/02 | 17:36:00 | 4,482  | -75,395 | 3   | 4,5 | Área de influencia volcán Cerro Machin |
| 136 | 2022/12/02 | 17:56:04 | 4,636  | -75,579 | 19  | 0,9 | Salento, Quindío                       |
| 137 | 2022/12/02 | 19:11:16 | 6,732  | -73,116 | 136 | 1,9 | Los Santos, Santander                  |
| 138 | 2022/12/02 | 20:41:58 | 4,721  | -76,172 | 77  | 1,9 | Argelia, Valle del Cauca               |
| 139 | 2022/12/02 | 20:48:24 | 6,823  | -73,185 | 146 | 1,8 | Zapatoca, Santander                    |
| 140 | 2022/12/02 | 21:05:39 | 6,740  | -73,102 | 139 | 2,3 | Los Santos, Santander                  |
| 141 | 2022/12/02 | 22:14:39 | 5,866  | -74,863 | 0   | 1,6 | Sonsón, Antioquia                      |
| 142 | 2022/12/02 | 23:05:15 | 6,784  | -73,117 | 139 | 1,8 | Los Santos, Santander                  |
| 143 | 2022/12/02 | 23:09:22 | 8,029  | -72,587 | 19  | 4,7 | Cúcuta, Norte de Santander             |
| 144 | 2022/12/02 | 23:46:56 | 7,228  | -76,976 | 7   | 1,8 | Carmen del Darién (Curbaradó), Chocó   |
| 145 | 2022/12/02 | 23:47:09 | 7,999  | -72,585 | 20  | 1,8 | Cúcuta, Norte de Santander             |
| 146 | 2022/12/03 | 00:25:23 | 7,997  | -72,591 | 15  | 1,9 | Cúcuta, Norte de Santander             |
| 147 | 2022/12/03 | 00:26:16 | 6,699  | -76,704 | 23  | 1,8 | Murindó, Antioquia                     |
| 148 | 2022/12/03 | 00:38:50 | 2,259  | -75,583 | 20  | 1,0 | Garzón, Huila                          |
| 149 | 2022/12/03 | 01:35:59 | 6,793  | -73,162 | 138 | 2,2 | Los Santos, Santander                  |
| 150 | 2022/12/03 | 01:57:52 | 6,755  | -73,160 | 145 | 1,8 | Los Santos, Santander                  |
| 151 | 2022/12/03 | 02:23:17 | 6,043  | -75,800 | 26  | 0,7 | Titiribí, Antioquia                    |
| 152 | 2022/12/03 | 02:28:20 | 6,880  | -76,167 | 22  | 2,5 | Uramita, Antioquia                     |
| 153 | 2022/12/03 | 02:40:10 | 6,011  | -76,201 | 16  | 1,8 | Quibdó, Chocó                          |
| 154 | 2022/12/03 | 03:31:42 | 7,592  | -73,346 | 10  | 1,3 | La Esperanza, Norte de Santander       |
| 155 | 2022/12/03 | 03:50:15 | 6,766  | -73,120 | 136 | 1,8 | Los Santos, Santander                  |
| 156 | 2022/12/03 | 04:00:03 | 3,934  | -76,240 | 103 | 1,5 | Buga, Valle del Cauca                  |
| 157 | 2022/12/03 | 05:31:28 | 7,448  | -73,058 | 146 | 1,6 | Matanza, Santander                     |
| 158 | 2022/12/03 | 05:36:38 | 6,817  | -73,150 | 146 | 1,4 | Los Santos, Santander                  |
| 159 | 2022/12/03 | 05:38:45 | 7,155  | -72,100 | 20  | 1,1 | Colombia-Venezuela                     |
| 160 | 2022/12/03 | 05:48:28 | 6,799  | -73,208 | 139 | 1,6 | Zapatoca, Santander                    |
| 161 | 2022/12/03 | 05:49:38 | 10,742 | -73,659 | 68  | 1,7 | Aracataca, Magdalena                   |
| 162 | 2022/12/03 | 06:36:33 | 6,795  | -73,175 | 149 | 1,4 | Los Santos, Santander                  |
| 163 | 2022/12/03 | 06:49:07 | 4,280  | -76,220 | 120 | 1,3 | Bolívar, Valle del Cauca               |
| 164 | 2022/12/03 | 07:10:49 | 6,749  | -73,171 | 136 | 1,5 | Los Santos, Santander                  |
| 165 | 2022/12/03 | 07:20:09 | 6,624  | -73,180 | 148 | 1,8 | Barichara, Santander                   |
| 166 | 2022/12/03 | 07:31:30 | 7,231  | -76,213 | 14  | 1,3 | Ituango, Antioquia                     |
| 167 | 2022/12/03 | 07:31:51 | 6,514  | -73,375 | 123 | 1,4 | Simacota, Santander                    |
| 168 | 2022/12/03 | 07:39:35 | 6,745  | -73,124 | 138 | 1,8 | Los Santos, Santander                  |
| 169 | 2022/12/03 | 07:43:54 | 7,394  | -73,157 | 143 | 1,8 | Ríonegro, Santander                    |
| 170 | 2022/12/03 | 07:54:11 | 6,529  | -77,708 | 20  | 2,0 | Océano Pacífico                        |
| 171 | 2022/12/03 | 07:57:15 | 6,844  | -73,392 | 122 | 1,2 | San Vicente de Chucurí, Santander      |
| 172 | 2022/12/03 | 08:12:30 | 4,765  | -74,644 | 35  | 1,5 | San Juan de Ríoseco, Cundinamarca      |
| 173 | 2022/12/03 | 08:56:13 | 6,818  | -73,100 | 134 | 1,6 | Los Santos, Santander                  |
| 174 | 2022/12/03 | 09:21:33 | 7,570  | -73,246 | 28  | 1,5 | El Playón, Santander                   |
| 175 | 2022/12/03 | 10:19:33 | 6,770  | -73,170 | 146 | 1,8 | Los Santos, Santander                  |
| 176 | 2022/12/03 | 10:46:54 | 6,275  | -72,345 | 13  | 1,7 | Tame, Arauca                           |
| 177 | 2022/12/03 | 11:41:34 | 7,258  | -77,042 | 55  | 4,8 | Ríosucio, Chocó                        |
| 178 | 2022/12/03 | 11:56:25 | 7,038  | -73,078 | 155 | 1,6 | Floridablanca, Santander               |

| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                                                 |
|-----|------------|----------|-------|---------|-----|-----|-----------------------------------------------------------|
| 179 | 2022/12/03 | 12:09:29 | 6,762 | -73,171 | 130 | 1,7 | Los Santos, Santander                                     |
| 180 | 2022/12/03 | 13:04:10 | 7,211 | -77,023 | 14  | 2,4 | Carmen del Darién (Curbaradó), Chocó                      |
| 181 | 2022/12/03 | 14:09:56 | 6,758 | -73,133 | 140 | 1,9 | Los Santos, Santander                                     |
| 182 | 2022/12/03 | 15:12:27 | 7,093 | -73,023 | 112 | 1,5 | Piedecuesta, Santander                                    |
| 183 | 2022/12/03 | 15:13:12 | 7,067 | -73,013 | 137 | 1,7 | Piedecuesta, Santander                                    |
| 184 | 2022/12/03 | 15:30:04 | 3,935 | -74,044 | 12  | 2,1 | Guamal, Meta                                              |
| 185 | 2022/12/03 | 16:06:45 | 3,811 | -76,904 | 34  | 1,2 | Buenaventura, Valle del Cauca                             |
| 186 | 2022/12/03 | 16:33:03 | 6,800 | -73,171 | 138 | 2,1 | Los Santos, Santander                                     |
| 187 | 2022/12/03 | 16:38:32 | 9,753 | -73,105 | 10  | 2,0 | Becerrill, Cesar                                          |
| 188 | 2022/12/03 | 17:37:50 | 7,181 | -77,006 | 16  | 2,1 | Carmen del Darién (Curbaradó), Chocó                      |
| 189 | 2022/12/03 | 17:52:54 | 0,802 | -77,957 | 4   | 2,1 | Área de influencia Complejo volcánico Chiles, Cerro Negro |
| 190 | 2022/12/03 | 17:56:47 | 2,926 | -73,309 | 4   | 1,6 | Puerto Rico, Meta                                         |
| 191 | 2022/12/03 | 18:44:36 | 6,572 | -73,548 | 114 | 2,3 | El Carmen, Santander                                      |
| 192 | 2022/12/03 | 19:29:14 | 5,268 | -73,735 | 133 | 1,9 | Lenguazaque, Cundinamarca                                 |
| 193 | 2022/12/03 | 20:03:23 | 7,599 | -72,993 | 155 | 1,9 | Suratá, Santander                                         |
| 194 | 2022/12/03 | 20:40:29 | 6,728 | -73,150 | 139 | 1,7 | Villanueva, Santander                                     |
| 195 | 2022/12/03 | 20:46:16 | 4,226 | -76,685 | 56  | 1,7 | El Litoral del San Juan (Docordó), Chocó                  |
| 196 | 2022/12/03 | 21:56:26 | 4,392 | -76,047 | 87  | 1,3 | Zarzal, Valle del Cauca                                   |
| 197 | 2022/12/03 | 22:20:10 | 6,881 | -73,192 | 150 | 1,8 | Zapatoca, Santander                                       |
| 198 | 2022/12/03 | 22:27:18 | 6,606 | -73,035 | 167 | 2,5 | Curití, Santander                                         |
| 199 | 2022/12/03 | 22:39:03 | 6,758 | -73,176 | 130 | 1,7 | Los Santos, Santander                                     |
| 200 | 2022/12/03 | 22:53:32 | 4,762 | -73,397 | 0   | 1,6 | Gachalá, Cundinamarca                                     |
| 201 | 2022/12/03 | 22:54:28 | 4,400 | -82,220 | 0   | 2,6 | Océano Pacífico                                           |
| 202 | 2022/12/03 | 23:04:54 | 6,711 | -73,158 | 146 | 1,9 | Villanueva, Santander                                     |
| 203 | 2022/12/03 | 23:22:59 | 6,823 | -73,397 | 125 | 1,9 | San Vicente de Chucurí, Santander                         |
| 204 | 2022/12/03 | 23:52:19 | 6,784 | -77,416 | 2   | 1,8 | Juradó, Chocó                                             |
| 205 | 2022/12/03 | 23:57:33 | 4,740 | -73,426 | 0   | 1,1 | Gachalá, Cundinamarca                                     |
| 206 | 2022/12/04 | 00:21:34 | 7,674 | -73,246 | 127 | 1,8 | Cáchira, Norte de Santander                               |
| 207 | 2022/12/04 | 00:56:31 | 3,787 | -76,942 | 37  | 1,3 | Buenaventura, Valle del Cauca                             |
| 208 | 2022/12/04 | 01:21:24 | 4,642 | -75,830 | 37  | 1,2 | Quimbaya, Quindío                                         |
| 209 | 2022/12/04 | 01:22:23 | 6,866 | -76,275 | 22  | 2,2 | Dabeiba, Antioquia                                        |
| 210 | 2022/12/04 | 01:31:10 | 6,802 | -73,195 | 124 | 1,5 | Zapatoca, Santander                                       |
| 211 | 2022/12/04 | 01:36:48 | 6,920 | -73,136 | 147 | 1,4 | Girón, Santander                                          |
| 212 | 2022/12/04 | 02:00:04 | 5,345 | -74,889 | 18  | 0,8 | Victoria, Caldas                                          |
| 213 | 2022/12/04 | 02:01:04 | 3,449 | -74,182 | 4   | 1,0 | Mesetas, Meta                                             |
| 214 | 2022/12/04 | 02:14:51 | 1,996 | -75,667 | 0   | 0,7 | Guadalupe, Huila                                          |
| 215 | 2022/12/04 | 02:16:03 | 6,699 | -73,231 | 136 | 1,6 | Barichara, Santander                                      |
| 216 | 2022/12/04 | 03:39:45 | 4,556 | -76,042 | 109 | 1,3 | La Unión, Valle del Cauca                                 |
| 217 | 2022/12/04 | 03:51:18 | 6,869 | -73,156 | 145 | 1,7 | Los Santos, Santander                                     |
| 218 | 2022/12/04 | 03:53:53 | 2,407 | -75,366 | 28  | 1,6 | Algeciras, Huila                                          |
| 219 | 2022/12/04 | 04:21:16 | 4,804 | -74,594 | 25  | 1,0 | San Juan de Río seco, Cundinamarca                        |
| 220 | 2022/12/04 | 04:38:36 | 4,655 | -75,832 | 33  | 0,9 | Cartago, Valle del Cauca                                  |
| 221 | 2022/12/04 | 05:28:16 | 6,823 | -73,140 | 145 | 1,3 | Los Santos, Santander                                     |
| 222 | 2022/12/04 | 05:55:59 | 3,948 | -76,290 | 98  | 1,6 | Buga, Valle del Cauca                                     |
| 223 | 2022/12/04 | 06:13:56 | 6,935 | -75,954 | 3   | 1,0 | Cañasgordas, Antioquia                                    |
| 224 | 2022/12/04 | 06:21:29 | 2,880 | -74,412 | 3   | 0,8 | Uribe, Meta                                               |



| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                                |
|-----|------------|----------|-------|---------|-----|-----|------------------------------------------|
| 225 | 2022/12/04 | 06:22:13 | 7,160 | -76,159 | 22  | 1,6 | Ituango, Antioquia                       |
| 226 | 2022/12/04 | 06:35:51 | 9,678 | -73,386 | 110 | 1,9 | Becerrill, Cesar                         |
| 227 | 2022/12/04 | 06:55:15 | 3,466 | -78,621 | 20  | 1,7 | Océano Pacífico                          |
| 228 | 2022/12/04 | 07:20:25 | 2,017 | -76,183 | 16  | 0,6 | Isnos, Huila                             |
| 229 | 2022/12/04 | 07:24:23 | 3,888 | -71,478 | 3   | 1,5 | Puerto Gaitán, Meta                      |
| 230 | 2022/12/04 | 08:04:12 | 6,600 | -76,638 | 7   | 1,2 | Vigia del Fuerte, Antioquia              |
| 231 | 2022/12/04 | 08:47:37 | 3,787 | -73,662 | 13  | 1,0 | Castilla la Nueva, Meta                  |
| 232 | 2022/12/04 | 09:02:17 | 5,073 | -75,865 | 98  | 0,9 | Viterbo, Caldas                          |
| 233 | 2022/12/04 | 09:14:49 | 2,316 | -75,559 | 26  | 1,1 | Gigante, Huila                           |
| 234 | 2022/12/04 | 10:00:54 | 1,059 | -76,919 | 19  | 2,9 | Santiago, Putumayo                       |
| 235 | 2022/12/04 | 10:34:49 | 6,000 | -73,490 | 134 | 1,5 | San José de Pare, Boyacá                 |
| 236 | 2022/12/04 | 10:55:30 | 6,296 | -75,781 | 49  | 0,9 | Ebéjico, Antioquia                       |
| 237 | 2022/12/04 | 10:57:50 | 6,908 | -73,079 | 141 | 1,7 | Piedecuesta, Santander                   |
| 238 | 2022/12/04 | 11:15:43 | 6,136 | -73,705 | 126 | 1,1 | Vélez, Santander                         |
| 239 | 2022/12/04 | 11:32:29 | 6,788 | -73,144 | 143 | 1,6 | Los Santos, Santander                    |
| 240 | 2022/12/04 | 12:31:26 | 7,557 | -73,426 | 122 | 2,3 | Ríonegro, Santander                      |
| 241 | 2022/12/04 | 14:25:18 | 6,715 | -73,197 | 137 | 1,6 | Barichara, Santander                     |
| 242 | 2022/12/04 | 14:33:23 | 5,387 | -73,747 | 138 | 1,5 | Guachetá, Cundinamarca                   |
| 243 | 2022/12/04 | 14:40:34 | 3,802 | -76,944 | 37  | 2,3 | Buenaventura, Valle del Cauca            |
| 244 | 2022/12/04 | 14:41:24 | 6,801 | -73,166 | 145 | 2,2 | Los Santos, Santander                    |
| 245 | 2022/12/04 | 14:42:57 | 6,780 | -73,378 | 124 | 1,8 | San Vicente de Chucurí, Santander        |
| 246 | 2022/12/04 | 14:53:01 | 6,042 | -73,640 | 120 | 1,6 | Chipatá, Santander                       |
| 247 | 2022/12/04 | 15:09:37 | 7,217 | -77,076 | 17  | 2,2 | Ríosucio, Chocó                          |
| 248 | 2022/12/04 | 16:20:24 | 3,429 | -74,774 | 39  | 1,7 | Colombia, Huila                          |
| 249 | 2022/12/04 | 16:32:35 | 6,323 | -73,696 | 109 | 2,4 | La Paz, Santander                        |
| 250 | 2022/12/04 | 16:45:00 | 6,753 | -73,170 | 136 | 2,2 | Los Santos, Santander                    |
| 251 | 2022/12/04 | 16:53:43 | 4,141 | -76,517 | 64  | 2,2 | El Litoral del San Juan (Docordó), Chocó |
| 252 | 2022/12/04 | 16:58:23 | 6,739 | -73,139 | 145 | 1,8 | Los Santos, Santander                    |
| 253 | 2022/12/04 | 17:32:29 | 5,792 | -73,929 | 100 | 2,0 | Florián, Santander                       |
| 254 | 2022/12/04 | 18:44:54 | 5,900 | -73,906 | 114 | 1,4 | Sucre, Santander                         |
| 255 | 2022/12/04 | 19:14:29 | 6,823 | -73,167 | 143 | 1,9 | Los Santos, Santander                    |
| 256 | 2022/12/04 | 20:44:03 | 2,703 | -75,021 | 39  | 2,3 | San Vicente del Caguán, Caquetá          |
| 257 | 2022/12/04 | 20:48:00 | 7,913 | -75,490 | 7   | 1,2 | Montelíbano, Córdoba                     |
| 258 | 2022/12/04 | 20:55:20 | 3,343 | -74,339 | 8   | 1,5 | Uribe, Meta                              |
| 259 | 2022/12/04 | 23:07:44 | 4,286 | -75,960 | 39  | 1,4 | Sevilla, Valle del Cauca                 |
| 260 | 2022/12/04 | 23:07:55 | 6,762 | -73,150 | 136 | 1,7 | Los Santos, Santander                    |
| 261 | 2022/12/04 | 23:56:15 | 7,219 | -72,995 | 167 | 1,8 | Tona, Santander                          |
| 262 | 2022/12/04 | 23:57:02 | 6,779 | -73,154 | 144 | 3,1 | Los Santos, Santander                    |
| 263 | 2022/12/05 | 00:25:36 | 6,782 | -73,134 | 142 | 2,2 | Los Santos, Santander                    |
| 264 | 2022/12/05 | 00:40:03 | 5,581 | -72,654 | 13  | 1,2 | Labranzagrande, Boyacá                   |
| 265 | 2022/12/05 | 00:48:13 | 3,671 | -76,545 | 118 | 1,5 | La Cumbre, Valle del Cauca               |
| 266 | 2022/12/05 | 00:54:29 | 4,488 | -75,626 | 13  | 1,2 | Calarcá, Quindío                         |
| 267 | 2022/12/05 | 01:00:19 | 4,824 | -74,589 | 34  | 1,5 | San Juan de Río seco, Cundinamarca       |
| 268 | 2022/12/05 | 01:02:23 | 6,816 | -73,184 | 140 | 1,4 | Zapatoca, Santander                      |
| 269 | 2022/12/05 | 01:23:14 | 8,109 | -77,670 | 20  | 1,8 | Panamá-Colombia                          |
| 270 | 2022/12/05 | 03:15:35 | 6,843 | -73,143 | 150 | 1,9 | Los Santos, Santander                    |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                           |
|-----|------------|----------|--------|---------|-----|-----|-------------------------------------|
| 271 | 2022/12/05 | 03:17:11 | 6,939  | -76,236 | 7   | 1,0 | Dabeiba, Antioquia                  |
| 272 | 2022/12/05 | 04:10:26 | 6,744  | -73,181 | 141 | 1,5 | Villanueva, Santander               |
| 273 | 2022/12/05 | 04:11:52 | 3,411  | -74,390 | 49  | 1,6 | Uribe, Meta                         |
| 274 | 2022/12/05 | 04:11:57 | 3,544  | -74,425 | 15  | 1,5 | Uribe, Meta                         |
| 275 | 2022/12/05 | 04:26:37 | 6,775  | -73,229 | 150 | 1,4 | Zapatoca, Santander                 |
| 276 | 2022/12/05 | 04:31:21 | 6,808  | -73,171 | 147 | 1,5 | Los Santos, Santander               |
| 277 | 2022/12/05 | 04:36:47 | 3,924  | -76,707 | 89  | 1,7 | Calima (El Darién), Valle del Cauca |
| 278 | 2022/12/05 | 04:38:28 | 6,838  | -73,156 | 147 | 1,5 | Los Santos, Santander               |
| 279 | 2022/12/05 | 04:41:35 | 4,856  | -76,042 | 106 | 2,1 | El Águila, Valle del Cauca          |
| 280 | 2022/12/05 | 04:42:52 | 6,669  | -73,240 | 134 | 1,8 | Barichara, Santander                |
| 281 | 2022/12/05 | 05:47:40 | 8,778  | -77,322 | 27  | 2,2 | Panamá-Colombia                     |
| 282 | 2022/12/05 | 05:53:45 | 6,191  | -72,448 | 2   | 1,8 | Chita, Boyacá                       |
| 283 | 2022/12/05 | 06:10:38 | 6,771  | -76,709 | 31  | 1,5 | Murindó, Antioquia                  |
| 284 | 2022/12/05 | 06:17:24 | 3,578  | -74,478 | 22  | 1,0 | Uribe, Meta                         |
| 285 | 2022/12/05 | 06:53:54 | 6,629  | -73,216 | 143 | 1,4 | Barichara, Santander                |
| 286 | 2022/12/05 | 07:40:52 | 3,259  | -76,748 | 111 | 1,2 | Jamundí, Valle del Cauca            |
| 287 | 2022/12/05 | 07:41:58 | 3,072  | -74,649 | 19  | 1,1 | Uribe, Meta                         |
| 288 | 2022/12/05 | 08:06:17 | 6,656  | -73,240 | 138 | 1,4 | Barichara, Santander                |
| 289 | 2022/12/05 | 08:16:29 | 6,143  | -73,686 | 107 | 1,0 | Vélez, Santander                    |
| 290 | 2022/12/05 | 08:21:54 | 2,147  | -75,635 | 27  | 1,5 | Garzón, Huila                       |
| 291 | 2022/12/05 | 08:29:20 | 6,720  | -73,171 | 145 | 1,7 | Villanueva, Santander               |
| 292 | 2022/12/05 | 08:29:27 | 2,543  | -75,612 | 22  | 1,7 | Íquira, Huila                       |
| 293 | 2022/12/05 | 09:10:10 | 3,874  | -76,057 | 33  | 1,7 | Buga, Valle del Cauca               |
| 294 | 2022/12/05 | 09:21:46 | 6,711  | -73,176 | 135 | 1,6 | Villanueva, Santander               |
| 295 | 2022/12/05 | 09:29:32 | 6,771  | -73,124 | 130 | 1,7 | Los Santos, Santander               |
| 296 | 2022/12/05 | 09:42:03 | 2,354  | -75,404 | 27  | 1,1 | Algeciras, Huila                    |
| 297 | 2022/12/05 | 10:08:10 | 7,364  | -73,360 | 112 | 1,2 | Lebrija, Santander                  |
| 298 | 2022/12/05 | 10:25:07 | 6,749  | -73,197 | 140 | 1,9 | Villanueva, Santander               |
| 299 | 2022/12/05 | 11:08:22 | 6,699  | -73,193 | 132 | 1,8 | Barichara, Santander                |
| 300 | 2022/12/05 | 11:21:02 | 6,386  | -73,249 | 153 | 3,1 | Palmas del Socorro, Santander       |
| 301 | 2022/12/05 | 12:15:42 | 10,912 | -73,449 | 95  | 1,7 | Dibulla, La Guajira                 |
| 302 | 2022/12/05 | 12:19:49 | 7,498  | -73,346 | 108 | 1,6 | Rionegro, Santander                 |
| 303 | 2022/12/05 | 12:39:16 | 6,803  | -73,194 | 149 | 1,9 | Zapatoca, Santander                 |
| 304 | 2022/12/05 | 13:11:04 | 3,652  | -75,794 | 20  | 3,3 | Rioblanco, Tolima                   |
| 305 | 2022/12/05 | 13:37:13 | 6,797  | -72,200 | 13  | 2,1 | Cubará, Boyacá                      |
| 306 | 2022/12/05 | 13:57:39 | 3,635  | -76,842 | 51  | 1,1 | Buenaventura, Valle del Cauca       |
| 307 | 2022/12/05 | 14:35:26 | 6,690  | -73,163 | 133 | 1,8 | Villanueva, Santander               |
| 308 | 2022/12/05 | 14:41:17 | 6,720  | -73,171 | 134 | 1,6 | Villanueva, Santander               |
| 309 | 2022/12/05 | 14:43:18 | 5,910  | -73,762 | 95  | 1,9 | Sucre, Santander                    |
| 310 | 2022/12/05 | 15:19:48 | 7,831  | -76,808 | 59  | 1,4 | Carepa, Antioquia                   |
| 311 | 2022/12/05 | 16:05:15 | 6,785  | -74,161 | 38  | 1,2 | Yondó (Casabe), Antioquia           |
| 312 | 2022/12/05 | 17:44:28 | 6,707  | -73,171 | 137 | 1,7 | Villanueva, Santander               |
| 313 | 2022/12/05 | 18:56:22 | 6,686  | -73,193 | 134 | 1,8 | Barichara, Santander                |
| 314 | 2022/12/05 | 19:13:37 | 3,434  | -74,750 | 13  | 0,9 | Colombia, Huila                     |
| 315 | 2022/12/05 | 19:59:15 | 6,720  | -73,146 | 134 | 1,8 | Jordán, Santander                   |
| 316 | 2022/12/05 | 20:07:48 | 7,263  | -73,946 | 77  | 3,0 | Yondó (Casabe), Antioquia           |



| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|-----|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 317 | 2022/12/05 | 20:19:13 | 7,062  | -77,050 | 19  | 2,1 | Carmen del Darién (Curbaradó), Chocó |
| 318 | 2022/12/05 | 20:31:07 | 6,707  | -73,197 | 129 | 1,8 | Barichara, Santander                 |
| 319 | 2022/12/05 | 20:53:09 | 6,809  | -73,213 | 141 | 1,6 | Zapatoca, Santander                  |
| 320 | 2022/12/05 | 21:16:17 | 6,930  | -75,559 | 45  | 1,9 | Yarumal, Antioquia                   |
| 321 | 2022/12/05 | 21:25:33 | 4,776  | -75,895 | 52  | 0,8 | Pereira, Risaralda                   |
| 322 | 2022/12/05 | 21:44:58 | 10,942 | -74,148 | 2   | 2,0 | Ciénaga, Magdalena                   |
| 323 | 2022/12/05 | 21:47:28 | 6,632  | -73,316 | 133 | 1,6 | Galán, Santander                     |
| 324 | 2022/12/05 | 22:02:56 | 6,757  | -73,203 | 143 | 1,7 | Villanueva, Santander                |
| 325 | 2022/12/05 | 22:12:36 | 6,927  | -73,066 | 132 | 1,6 | Piedecuesta, Santander               |
| 326 | 2022/12/05 | 22:53:35 | 5,025  | -74,762 | 22  | 1,0 | Armero (Guayabal), Tolima            |
| 327 | 2022/12/05 | 23:36:31 | 6,732  | -73,750 | 46  | 0,9 | Simacota, Santander                  |
| 328 | 2022/12/05 | 23:41:45 | 8,060  | -72,595 | 0   | 1,8 | El Zulia, Norte de Santander         |
| 329 | 2022/12/05 | 23:53:44 | 5,677  | -72,796 | 16  | 1,5 | Monguí, Boyacá                       |
| 330 | 2022/12/05 | 23:59:13 | 5,629  | -72,792 | 17  | 1,4 | Sogamoso, Boyacá                     |
| 331 | 2022/12/06 | 01:34:59 | 6,694  | -73,150 | 137 | 1,7 | Villanueva, Santander                |
| 332 | 2022/12/06 | 01:37:35 | 5,783  | -75,912 | 58  | 1,9 | Hispania, Antioquia                  |
| 333 | 2022/12/06 | 02:02:11 | 5,806  | -74,179 | 30  | 0,7 | Otanche, Boyacá                      |
| 334 | 2022/12/06 | 02:04:18 | 3,012  | -74,730 | 22  | 1,1 | Uribe, Meta                          |
| 335 | 2022/12/06 | 02:10:35 | 5,852  | -73,479 | 126 | 1,6 | Togüí, Boyacá                        |
| 336 | 2022/12/06 | 02:17:49 | 6,765  | -73,119 | 141 | 2,1 | Los Santos, Santander                |
| 337 | 2022/12/06 | 02:34:26 | 6,780  | -73,106 | 136 | 2,0 | Los Santos, Santander                |
| 338 | 2022/12/06 | 02:35:29 | 4,534  | -76,783 | 56  | 2,1 | Istmina, Chocó                       |
| 339 | 2022/12/06 | 02:43:47 | 9,492  | -73,272 | 120 | 1,6 | La Jagua de Ibirico, Cesar           |
| 340 | 2022/12/06 | 02:51:17 | 7,430  | -73,194 | 141 | 1,8 | Ríonegro, Santander                  |
| 341 | 2022/12/06 | 03:19:02 | 5,271  | -74,571 | 29  | 0,9 | Caparrapí, Cundinamarca              |
| 342 | 2022/12/06 | 03:25:26 | 6,956  | -76,257 | 27  | 1,0 | Dabeiba, Antioquia                   |
| 343 | 2022/12/06 | 03:59:03 | 6,797  | -73,134 | 142 | 1,9 | Los Santos, Santander                |
| 344 | 2022/12/06 | 04:14:57 | 6,749  | -73,124 | 138 | 2,1 | Los Santos, Santander                |
| 345 | 2022/12/06 | 04:30:36 | 2,041  | -75,927 | 24  | 1,6 | Tarqui, Huila                        |
| 346 | 2022/12/06 | 04:32:32 | 6,686  | -73,146 | 135 | 1,8 | Villanueva, Santander                |
| 347 | 2022/12/06 | 04:32:55 | 5,620  | -73,969 | 109 | 2,3 | Pauna, Boyacá                        |
| 348 | 2022/12/06 | 04:38:33 | 4,780  | -73,446 | 0   | 1,1 | Ubalá, Cundinamarca                  |
| 349 | 2022/12/06 | 04:55:17 | 6,769  | -73,130 | 137 | 2,2 | Los Santos, Santander                |
| 350 | 2022/12/06 | 04:59:13 | 7,815  | -75,203 | 37  | 1,0 | Cáceres, Antioquia                   |
| 351 | 2022/12/06 | 05:25:33 | 6,686  | -73,201 | 131 | 1,6 | Barichara, Santander                 |
| 352 | 2022/12/06 | 05:29:08 | 6,798  | -73,156 | 146 | 2,2 | Los Santos, Santander                |
| 353 | 2022/12/06 | 06:28:39 | 6,644  | -73,257 | 122 | 1,9 | Barichara, Santander                 |
| 354 | 2022/12/06 | 06:39:34 | 6,738  | -73,172 | 149 | 1,5 | Villanueva, Santander                |
| 355 | 2022/12/06 | 06:51:11 | 4,560  | -75,888 | 29  | 1,5 | Obando, Valle del Cauca              |
| 356 | 2022/12/06 | 07:21:00 | 4,731  | -75,808 | 30  | 1,2 | Pereira, Risaralda                   |
| 357 | 2022/12/06 | 07:30:42 | 8,003  | -75,550 | 13  | 0,6 | Montelíbano, Córdoba                 |
| 358 | 2022/12/06 | 07:39:06 | 7,142  | -76,941 | 22  | 1,7 | Carmen del Darién (Curbaradó), Chocó |
| 359 | 2022/12/06 | 07:43:38 | 6,198  | -72,006 | 16  | 1,8 | Tame, Arauca                         |
| 360 | 2022/12/06 | 08:15:37 | 2,074  | -72,768 | 0   | 1,5 | Calamar, Guaviare                    |
| 361 | 2022/12/06 | 08:41:34 | 6,877  | -73,128 | 127 | 1,8 | Los Santos, Santander                |
| 362 | 2022/12/06 | 09:13:40 | 5,749  | -75,927 | 37  | 0,7 | Betania, Antioquia                   |

| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                     |
|-----|------------|----------|-------|---------|-----|-----|-------------------------------|
| 363 | 2022/12/06 | 09:22:18 | 6,720 | -73,214 | 137 | 1,6 | Barichara, Santander          |
| 364 | 2022/12/06 | 09:39:36 | 6,679 | -73,251 | 142 | 1,8 | Barichara, Santander          |
| 365 | 2022/12/06 | 10:50:34 | 6,795 | -73,136 | 144 | 2,4 | Los Santos, Santander         |
| 366 | 2022/12/06 | 11:12:48 | 6,772 | -73,162 | 144 | 2,9 | Los Santos, Santander         |
| 367 | 2022/12/06 | 11:51:32 | 3,891 | -76,096 | 89  | 1,4 | Buga, Valle del Cauca         |
| 368 | 2022/12/06 | 14:08:51 | 6,732 | -73,124 | 138 | 2,0 | Los Santos, Santander         |
| 369 | 2022/12/06 | 15:25:53 | 6,788 | -73,106 | 137 | 2,4 | Los Santos, Santander         |
| 370 | 2022/12/06 | 15:42:36 | 6,842 | -73,161 | 141 | 1,6 | Los Santos, Santander         |
| 371 | 2022/12/06 | 15:56:39 | 6,736 | -73,127 | 133 | 2,2 | Los Santos, Santander         |
| 372 | 2022/12/06 | 17:19:40 | 6,731 | -73,200 | 146 | 2,5 | Villanueva, Santander         |
| 373 | 2022/12/06 | 17:57:17 | 6,745 | -73,154 | 133 | 2,0 | Los Santos, Santander         |
| 374 | 2022/12/06 | 18:02:46 | 6,876 | -73,080 | 145 | 1,7 | Los Santos, Santander         |
| 375 | 2022/12/06 | 18:06:51 | 5,903 | -73,532 | 130 | 1,6 | Moniquirá, Boyacá             |
| 376 | 2022/12/06 | 18:14:31 | 5,394 | -73,753 | 135 | 1,8 | Guachetá, Cundinamarca        |
| 377 | 2022/12/06 | 18:24:55 | 6,796 | -73,218 | 138 | 1,8 | Zapatoca, Santander           |
| 378 | 2022/12/06 | 18:40:07 | 6,793 | -73,175 | 150 | 2,1 | Los Santos, Santander         |
| 379 | 2022/12/06 | 19:17:27 | 2,424 | -76,553 | 10  | 1,0 | Popayán, Cauca                |
| 380 | 2022/12/06 | 20:02:46 | 4,714 | -74,834 | 31  | 2,5 | Venadillo, Tolima             |
| 381 | 2022/12/06 | 20:53:39 | 4,404 | -76,208 | 109 | 1,8 | Roldanillo, Valle del Cauca   |
| 382 | 2022/12/06 | 20:59:44 | 5,025 | -74,723 | 33  | 2,2 | Guaduas, Cundinamarca         |
| 383 | 2022/12/06 | 21:36:10 | 5,843 | -74,797 | 9   | 1,3 | Sonsón, Antioquia             |
| 384 | 2022/12/06 | 21:45:47 | 6,676 | -73,216 | 141 | 1,8 | Barichara, Santander          |
| 385 | 2022/12/06 | 21:54:07 | 5,444 | -74,114 | 43  | 1,4 | Paime, Cundinamarca           |
| 386 | 2022/12/06 | 22:31:18 | 6,758 | -73,188 | 134 | 1,6 | Villanueva, Santander         |
| 387 | 2022/12/06 | 22:50:52 | 6,715 | -73,167 | 141 | 1,7 | Villanueva, Santander         |
| 388 | 2022/12/06 | 23:19:55 | 3,671 | -74,214 | 16  | 1,3 | Lejanías, Meta                |
| 389 | 2022/12/07 | 00:35:29 | 4,746 | -76,006 | 57  | 1,3 | Ansermanuevo, Valle del Cauca |
| 390 | 2022/12/07 | 00:54:41 | 6,851 | -73,285 | 123 | 3,0 | Zapatoca, Santander           |
| 391 | 2022/12/07 | 01:07:16 | 6,842 | -73,345 | 126 | 1,7 | Zapatoca, Santander           |
| 392 | 2022/12/07 | 01:41:01 | 7,294 | -78,265 | 24  | 2,2 | Panamá                        |
| 393 | 2022/12/07 | 02:08:39 | 5,831 | -73,620 | 113 | 1,5 | Puente Nacional, Santander    |
| 394 | 2022/12/07 | 02:31:03 | 7,437 | -73,368 | 121 | 1,7 | Rionegro, Santander           |
| 395 | 2022/12/07 | 02:43:59 | 6,597 | -73,782 | 96  | 0,7 | Simacota, Santander           |
| 396 | 2022/12/07 | 02:55:23 | 4,378 | -75,192 | 21  | 2,0 | Ibagué, Tolima                |
| 397 | 2022/12/07 | 02:58:00 | 4,372 | -75,202 | 22  | 1,6 | Ibagué, Tolima                |
| 398 | 2022/12/07 | 02:59:02 | 6,173 | -73,676 | 116 | 2,1 | La Paz, Santander             |
| 399 | 2022/12/07 | 03:01:07 | 4,284 | -75,269 | 19  | 1,2 | Rovira, Tolima                |
| 400 | 2022/12/07 | 04:07:46 | 6,796 | -73,194 | 145 | 1,3 | Los Santos, Santander         |
| 401 | 2022/12/07 | 04:19:25 | 6,772 | -73,151 | 140 | 2,7 | Los Santos, Santander         |
| 402 | 2022/12/07 | 04:26:57 | 6,787 | -73,133 | 136 | 1,7 | Los Santos, Santander         |
| 403 | 2022/12/07 | 04:37:12 | 6,784 | -73,122 | 146 | 1,6 | Los Santos, Santander         |
| 404 | 2022/12/07 | 05:13:18 | 3,470 | -75,140 | 19  | 0,9 | Natagaima, Tolima             |
| 405 | 2022/12/07 | 05:43:44 | 6,724 | -73,133 | 137 | 1,8 | Jordán, Santander             |
| 406 | 2022/12/07 | 05:58:54 | 7,047 | -76,286 | 10  | 1,7 | Dabeiba, Antioquia            |
| 407 | 2022/12/07 | 06:12:11 | 5,298 | -74,903 | 27  | 1,1 | Mariquita, Tolima             |
| 408 | 2022/12/07 | 06:13:47 | 7,290 | -77,042 | 43  | 2,8 | Ríosucio, Chocó               |

| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                         |
|-----|------------|----------|-------|---------|-----|-----|-----------------------------------|
| 409 | 2022/12/07 | 06:47:37 | 2,096 | -77,272 | 120 | 1,4 | Balboa, Cauca                     |
| 410 | 2022/12/07 | 07:23:09 | 6,715 | -73,180 | 127 | 1,6 | Villanueva, Santander             |
| 411 | 2022/12/07 | 07:51:18 | 7,042 | -76,290 | 10  | 1,7 | Dabeiba, Antioquia                |
| 412 | 2022/12/07 | 07:54:27 | 6,924 | -75,966 | 22  | 1,6 | Cañasgordas, Antioquia            |
| 413 | 2022/12/07 | 08:00:33 | 6,907 | -75,946 | 18  | 0,9 | Buriticá, Antioquia               |
| 414 | 2022/12/07 | 08:30:31 | 5,268 | -73,730 | 142 | 2,2 | Lenguazaque, Cundinamarca         |
| 415 | 2022/12/07 | 08:35:20 | 9,883 | -73,245 | 119 | 1,8 | Agustín Codazzi, Cesar            |
| 416 | 2022/12/07 | 08:35:46 | 6,639 | -73,291 | 116 | 1,4 | Galán, Santander                  |
| 417 | 2022/12/07 | 09:29:06 | 6,540 | -73,501 | 117 | 2,0 | El Carmen, Santander              |
| 418 | 2022/12/07 | 09:52:54 | 2,460 | -75,536 | 34  | 1,1 | Gigante, Huila                    |
| 419 | 2022/12/07 | 10:05:34 | 3,592 | -74,120 | 10  | 1,1 | Lejanías, Meta                    |
| 420 | 2022/12/07 | 10:11:16 | 6,711 | -73,133 | 141 | 2,1 | Jordán, Santander                 |
| 421 | 2022/12/07 | 10:47:39 | 4,238 | -78,923 | 30  | 2,2 | Océano Pacífico                   |
| 422 | 2022/12/07 | 11:16:50 | 6,916 | -73,360 | 129 | 1,2 | San Vicente de Chucurí, Santander |
| 423 | 2022/12/07 | 11:26:04 | 5,837 | -74,389 | 0   | 1,3 | Puerto Boyacá, Boyacá             |
| 424 | 2022/12/07 | 11:33:51 | 6,787 | -73,165 | 147 | 1,7 | Los Santos, Santander             |
| 425 | 2022/12/07 | 11:35:29 | 6,804 | -73,160 | 148 | 1,9 | Los Santos, Santander             |
| 426 | 2022/12/07 | 11:45:02 | 6,749 | -73,171 | 133 | 1,8 | Los Santos, Santander             |
| 427 | 2022/12/07 | 11:59:11 | 6,799 | -73,207 | 143 | 2,7 | Zapatoca, Santander               |
| 428 | 2022/12/07 | 13:15:23 | 6,728 | -73,201 | 134 | 1,6 | Villanueva, Santander             |
| 429 | 2022/12/07 | 13:36:57 | 3,452 | -74,205 | 13  | 1,4 | Mesetas, Meta                     |
| 430 | 2022/12/07 | 14:12:45 | 6,601 | -73,240 | 131 | 1,7 | Cabrera, Santander                |
| 431 | 2022/12/07 | 14:13:20 | 5,661 | -75,914 | 13  | 1,4 | Andes, Antioquia                  |
| 432 | 2022/12/07 | 14:40:15 | 6,732 | -73,137 | 133 | 1,5 | Los Santos, Santander             |
| 433 | 2022/12/07 | 14:46:57 | 7,367 | -74,064 | 73  | 1,7 | Cantagallo, Bolívar               |
| 434 | 2022/12/07 | 15:05:34 | 3,783 | -75,706 | 16  | 1,3 | Chaparral, Tolima                 |
| 435 | 2022/12/07 | 15:32:04 | 6,768 | -73,161 | 128 | 1,7 | Los Santos, Santander             |
| 436 | 2022/12/07 | 15:35:40 | 6,754 | -73,150 | 133 | 1,9 | Los Santos, Santander             |
| 437 | 2022/12/07 | 15:57:40 | 6,769 | -73,130 | 140 | 2,2 | Los Santos, Santander             |
| 438 | 2022/12/07 | 16:31:07 | 3,416 | -76,602 | 30  | 1,0 | Cali, Valle del Cauca             |
| 439 | 2022/12/07 | 16:38:30 | 6,720 | -73,086 | 133 | 1,7 | Jordán, Santander                 |
| 440 | 2022/12/07 | 17:10:27 | 2,433 | -76,550 | 0   | 0,3 | Popayán, Cauca                    |
| 441 | 2022/12/07 | 18:08:29 | 6,792 | -73,185 | 141 | 1,5 | Los Santos, Santander             |
| 442 | 2022/12/07 | 19:28:29 | 6,434 | -73,679 | 2   | 0,9 | Vélez, Santander                  |
| 443 | 2022/12/07 | 20:13:58 | 4,697 | -74,911 | 25  | 1,0 | Venadillo, Tolima                 |
| 444 | 2022/12/07 | 20:52:17 | 3,839 | -73,755 | 20  | 0,9 | Guamal, Meta                      |
| 445 | 2022/12/07 | 21:04:53 | 6,935 | -75,737 | 16  | 2,3 | Toledo, Antioquia                 |
| 446 | 2022/12/07 | 21:07:27 | 6,928 | -75,747 | 18  | 3,2 | Sabanalarga, Antioquia            |
| 447 | 2022/12/07 | 21:40:26 | 1,967 | -76,061 | 16  | 1,4 | Pitalito, Huila                   |
| 448 | 2022/12/07 | 22:17:47 | 5,361 | -72,927 | 15  | 1,7 | Aquitania, Boyacá                 |
| 449 | 2022/12/07 | 22:25:53 | 3,933 | -76,222 | 116 | 2,3 | Buga, Valle del Cauca             |
| 450 | 2022/12/07 | 22:54:33 | 7,438 | -71,895 | 31  | 1,9 | Venezuela                         |
| 451 | 2022/12/07 | 23:03:18 | 6,932 | -75,711 | 16  | 1,3 | San Andrés, Antioquia             |
| 452 | 2022/12/07 | 23:21:30 | 4,823 | -75,642 | 118 | 1,4 | Dosquebradas, Risaralda           |
| 453 | 2022/12/07 | 23:46:13 | 6,779 | -73,159 | 134 | 1,8 | Los Santos, Santander             |
| 454 | 2022/12/08 | 00:33:59 | 5,115 | -73,641 | 108 | 1,4 | Chocontá, Cundinamarca            |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|-----|------------|----------|--------|---------|-----|-----|----------------------------------|
| 455 | 2022/12/08 | 00:47:40 | 6,336  | -73,545 | 120 | 1,6 | Santa Helena del Opón, Santander |
| 456 | 2022/12/08 | 00:50:19 | 11,612 | -72,734 | 41  | 2,1 | Manaure, La Guajira              |
| 457 | 2022/12/08 | 01:17:20 | 6,819  | -73,204 | 144 | 1,7 | Zapatoca, Santander              |
| 458 | 2022/12/08 | 02:13:57 | 6,742  | -73,149 | 141 | 2,0 | Los Santos, Santander            |
| 459 | 2022/12/08 | 02:44:03 | 7,000  | -76,208 | 16  | 1,2 | Dabeiba, Antioquia               |
| 460 | 2022/12/08 | 03:11:38 | 6,711  | -73,231 | 127 | 1,6 | Barichara, Santander             |
| 461 | 2022/12/08 | 03:13:05 | 6,520  | -73,471 | 122 | 1,2 | Simacota, Santander              |
| 462 | 2022/12/08 | 03:29:04 | 6,773  | -73,139 | 141 | 1,8 | Los Santos, Santander            |
| 463 | 2022/12/08 | 03:36:40 | 10,910 | -72,765 | 76  | 1,7 | Barrancas, La Guajira            |
| 464 | 2022/12/08 | 03:41:28 | 6,727  | -73,503 | 110 | 1,3 | El Carmen, Santander             |
| 465 | 2022/12/08 | 03:55:06 | 5,662  | -74,035 | 98  | 1,4 | Pauna, Boyacá                    |
| 466 | 2022/12/08 | 03:56:07 | 8,279  | -75,272 | 25  | 1,4 | Ayapel, Córdoba                  |
| 467 | 2022/12/08 | 04:02:34 | 7,262  | -78,193 | 7   | 2,3 | Panamá                           |
| 468 | 2022/12/08 | 04:13:26 | 6,742  | -73,145 | 138 | 2,0 | Los Santos, Santander            |
| 469 | 2022/12/08 | 04:26:34 | 7,422  | -76,899 | 36  | 1,8 | Ríosucio, Chocó                  |
| 470 | 2022/12/08 | 04:31:02 | 11,397 | -72,585 | 19  | 2,4 | Maicao, La Guajira               |
| 471 | 2022/12/08 | 04:38:01 | 4,726  | -76,145 | 92  | 1,8 | Argelia, Valle del Cauca         |
| 472 | 2022/12/08 | 04:42:57 | 6,787  | -73,171 | 140 | 1,7 | Los Santos, Santander            |
| 473 | 2022/12/08 | 04:51:30 | 6,740  | -73,106 | 139 | 1,8 | Los Santos, Santander            |
| 474 | 2022/12/08 | 05:05:16 | 7,235  | -75,260 | 49  | 1,1 | Anorí, Antioquia                 |
| 475 | 2022/12/08 | 05:12:11 | 4,921  | -80,013 | 0   | 2,9 | Océano Pacífico                  |
| 476 | 2022/12/08 | 05:50:21 | 7,055  | -75,874 | 16  | 1,0 | Peque, Antioquia                 |
| 477 | 2022/12/08 | 05:51:15 | 1,912  | -76,037 | 16  | 1,0 | Pitalito, Huila                  |
| 478 | 2022/12/08 | 05:52:03 | 6,720  | -73,171 | 132 | 1,3 | Villanueva, Santander            |
| 479 | 2022/12/08 | 06:04:10 | 2,691  | -74,479 | 25  | 1,8 | Uribe, Meta                      |
| 480 | 2022/12/08 | 06:24:16 | 6,056  | -73,712 | 112 | 1,5 | Vélez, Santander                 |
| 481 | 2022/12/08 | 06:36:38 | 6,778  | -73,127 | 146 | 2,1 | Los Santos, Santander            |
| 482 | 2022/12/08 | 07:04:30 | 6,696  | -73,139 | 136 | 1,8 | Jordán, Santander                |
| 483 | 2022/12/08 | 07:22:55 | 8,173  | -74,316 | 17  | 1,5 | Arenal, Bolívar                  |
| 484 | 2022/12/08 | 07:24:26 | 2,732  | -75,040 | 19  | 1,3 | San Vicente del Caguán, Caquetá  |
| 485 | 2022/12/08 | 07:27:25 | 11,673 | -77,391 | 0   | 3,0 | Mar Caribe                       |
| 486 | 2022/12/08 | 07:41:35 | 6,686  | -73,103 | 136 | 1,7 | Curití, Santander                |
| 487 | 2022/12/08 | 07:56:54 | 6,774  | -73,172 | 145 | 2,5 | Los Santos, Santander            |
| 488 | 2022/12/08 | 08:02:06 | 1,937  | -75,914 | 19  | 0,9 | Timaná, Huila                    |
| 489 | 2022/12/08 | 08:31:17 | 3,503  | -74,120 | 7   | 0,7 | Lejanías, Meta                   |
| 490 | 2022/12/08 | 08:41:49 | 6,755  | -73,160 | 143 | 2,2 | Los Santos, Santander            |
| 491 | 2022/12/08 | 08:47:43 | 3,004  | -74,766 | 36  | 1,2 | Uribe, Meta                      |
| 492 | 2022/12/08 | 09:33:50 | 7,756  | -76,057 | 31  | 1,0 | Tierralta, Córdoba               |
| 493 | 2022/12/08 | 09:48:55 | 4,754  | -76,112 | 93  | 1,7 | Ansermanuevo, Valle del Cauca    |
| 494 | 2022/12/08 | 09:49:55 | 2,444  | -77,091 | 74  | 1,1 | El Tambo, Cauca                  |
| 495 | 2022/12/08 | 09:56:57 | 12,526 | -71,567 | 20  | 2,6 | Mar Caribe                       |
| 496 | 2022/12/08 | 10:06:07 | 1,950  | -76,076 | 15  | 1,4 | Pitalito, Huila                  |
| 497 | 2022/12/08 | 10:26:59 | 4,359  | -76,169 | 105 | 1,9 | Bolívar, Valle del Cauca         |
| 498 | 2022/12/08 | 10:37:42 | 7,455  | -73,166 | 133 | 2,1 | El Playón, Santander             |
| 499 | 2022/12/08 | 10:43:00 | 6,745  | -73,150 | 134 | 1,8 | Los Santos, Santander            |
| 500 | 2022/12/08 | 11:17:49 | 6,737  | -73,137 | 134 | 1,6 | Los Santos, Santander            |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|-----|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 501 | 2022/12/08 | 11:33:41 | 6,639  | -73,236 | 142 | 1,8 | Barichara, Santander                 |
| 502 | 2022/12/08 | 11:46:58 | 6,759  | -73,151 | 142 | 2,2 | Los Santos, Santander                |
| 503 | 2022/12/08 | 12:06:04 | 2,228  | -79,105 | 18  | 2,5 | Océano Pacífico                      |
| 504 | 2022/12/08 | 12:23:50 | 1,946  | -76,418 | 7   | 1,2 | San Agustín, Huila                   |
| 505 | 2022/12/08 | 12:28:25 | 3,146  | -76,818 | 23  | 1,1 | López, Cauca                         |
| 506 | 2022/12/08 | 13:06:22 | 6,715  | -73,180 | 141 | 1,9 | Villanueva, Santander                |
| 507 | 2022/12/08 | 13:36:37 | 6,549  | -75,238 | 16  | 2,1 | Don Matías, Antioquia                |
| 508 | 2022/12/08 | 14:04:13 | 2,448  | -76,525 | 3   | 0,8 | Popayán, Cauca                       |
| 509 | 2022/12/08 | 14:05:11 | 7,783  | -74,574 | 42  | 1,4 | El Bagre, Antioquia                  |
| 510 | 2022/12/08 | 14:39:03 | 6,996  | -76,903 | 5   | 1,9 | Carmen del Darién (Curbaradó), Chocó |
| 511 | 2022/12/08 | 14:39:27 | 6,737  | -73,141 | 141 | 1,9 | Los Santos, Santander                |
| 512 | 2022/12/08 | 15:13:08 | 6,749  | -73,133 | 134 | 1,6 | Los Santos, Santander                |
| 513 | 2022/12/08 | 15:35:41 | 6,038  | -73,822 | 106 | 1,6 | El Peñón, Santander                  |
| 514 | 2022/12/08 | 15:40:44 | 2,308  | -75,587 | 23  | 1,1 | Gigante, Huila                       |
| 515 | 2022/12/08 | 16:29:31 | 6,745  | -73,141 | 134 | 1,7 | Los Santos, Santander                |
| 516 | 2022/12/08 | 17:37:45 | 6,590  | -73,415 | 122 | 1,9 | Hato, Santander                      |
| 517 | 2022/12/08 | 17:56:21 | 6,863  | -76,270 | 19  | 1,6 | Dabeiba, Antioquia                   |
| 518 | 2022/12/08 | 19:55:39 | 11,151 | -72,276 | 3   | 2,1 | Maicao, La Guajira                   |
| 519 | 2022/12/08 | 20:04:34 | 6,855  | -73,188 | 144 | 1,8 | Zapatoca, Santander                  |
| 520 | 2022/12/08 | 20:06:02 | 5,262  | -76,224 | 84  | 1,6 | Tadó, Chocó                          |
| 521 | 2022/12/08 | 20:19:02 | 4,988  | -76,099 | 90  | 1,4 | San José del Palmar, Chocó           |
| 522 | 2022/12/08 | 20:51:52 | 3,076  | -75,122 | 19  | 1,3 | Tello, Huila                         |
| 523 | 2022/12/08 | 21:15:33 | 7,047  | -76,063 | 33  | 1,7 | Dabeiba, Antioquia                   |
| 524 | 2022/12/08 | 21:29:59 | 7,357  | -73,043 | 159 | 2,0 | Matanza, Santander                   |
| 525 | 2022/12/08 | 21:40:32 | 8,109  | -72,842 | 16  | 1,6 | Sardinata, Norte de Santander        |
| 526 | 2022/12/08 | 22:00:32 | 4,733  | -74,941 | 22  | 1,1 | Venadillo, Tolima                    |
| 527 | 2022/12/08 | 23:19:42 | 6,002  | -74,247 | 19  | 1,5 | Bolívar, Santander                   |
| 528 | 2022/12/08 | 23:22:50 | 6,003  | -74,250 | 14  | 1,4 | Bolívar, Santander                   |
| 529 | 2022/12/09 | 00:16:24 | 7,458  | -73,191 | 139 | 2,2 | El Playón, Santander                 |
| 530 | 2022/12/09 | 00:27:26 | 6,788  | -73,119 | 137 | 2,0 | Los Santos, Santander                |
| 531 | 2022/12/09 | 00:39:17 | 6,804  | -73,190 | 138 | 1,4 | Los Santos, Santander                |
| 532 | 2022/12/09 | 00:43:51 | 4,079  | -75,454 | 17  | 1,9 | San Antonio, Tolima                  |
| 533 | 2022/12/09 | 01:00:58 | 4,766  | -74,694 | 29  | 1,1 | San Juan de Róseco, Cundinamarca     |
| 534 | 2022/12/09 | 01:18:13 | 6,758  | -73,150 | 135 | 1,7 | Los Santos, Santander                |
| 535 | 2022/12/09 | 01:47:54 | 3,273  | -74,332 | 13  | 1,0 | Uribe, Meta                          |
| 536 | 2022/12/09 | 02:35:01 | 1,831  | -77,275 | 14  | 1,1 | Mercaderes, Cauca                    |
| 537 | 2022/12/09 | 03:15:55 | 7,956  | -74,986 | 26  | 1,3 | Caucasia, Antioquia                  |
| 538 | 2022/12/09 | 03:16:12 | 6,749  | -73,137 | 140 | 1,7 | Los Santos, Santander                |
| 539 | 2022/12/09 | 04:08:09 | 3,383  | -76,872 | 61  | 1,2 | Buenaventura, Valle del Cauca        |
| 540 | 2022/12/09 | 04:27:01 | 6,812  | -73,189 | 141 | 1,3 | Zapatoca, Santander                  |
| 541 | 2022/12/09 | 04:46:47 | 2,737  | -75,056 | 19  | 1,2 | San Vicente del Caguán, Caquetá      |
| 542 | 2022/12/09 | 05:04:55 | 4,038  | -76,991 | 56  | 1,3 | Buenaventura, Valle del Cauca        |
| 543 | 2022/12/09 | 05:05:45 | 6,784  | -73,153 | 144 | 2,5 | Los Santos, Santander                |
| 544 | 2022/12/09 | 05:19:43 | 6,678  | -76,431 | 17  | 1,4 | Frontino, Antioquia                  |
| 545 | 2022/12/09 | 05:28:41 | 6,800  | -73,201 | 139 | 1,6 | Zapatoca, Santander                  |
| 546 | 2022/12/09 | 05:42:18 | 6,966  | -76,217 | 21  | 1,2 | Dabeiba, Antioquia                   |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|-----|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 547 | 2022/12/09 | 05:44:25 | 3,599  | -74,444 | 23  | 1,2 | Uribe, Meta                          |
| 548 | 2022/12/09 | 06:03:54 | 6,064  | -76,871 | 40  | 2,4 | Medio Atrato (Beté), Chocó           |
| 549 | 2022/12/09 | 06:12:15 | 7,465  | -74,085 | 2   | 1,6 | San Pablo, Bolívar                   |
| 550 | 2022/12/09 | 06:26:47 | 6,780  | -73,334 | 127 | 1,6 | Zapatoca, Santander                  |
| 551 | 2022/12/09 | 06:47:52 | 2,041  | -76,115 | 22  | 1,5 | Saladoblanco, Huila                  |
| 552 | 2022/12/09 | 07:17:13 | 6,889  | -76,401 | 29  | 1,4 | Dabeiba, Antioquia                   |
| 553 | 2022/12/09 | 07:31:53 | 7,168  | -77,092 | 11  | 1,7 | Ríosucio, Chocó                      |
| 554 | 2022/12/09 | 07:37:52 | 6,960  | -76,253 | 17  | 1,4 | Dabeiba, Antioquia                   |
| 555 | 2022/12/09 | 07:58:44 | 6,754  | -73,163 | 137 | 1,6 | Los Santos, Santander                |
| 556 | 2022/12/09 | 08:25:29 | 5,721  | -73,977 | 111 | 1,6 | Tununguá, Boyacá                     |
| 557 | 2022/12/09 | 08:38:16 | 6,436  | -73,569 | 117 | 1,9 | Santa Helena del Opón, Santander     |
| 558 | 2022/12/09 | 09:00:05 | 9,364  | -77,696 | 25  | 2,6 | Cerca de la Costa de Colombia        |
| 559 | 2022/12/09 | 09:02:44 | 6,797  | -76,753 | 24  | 2,3 | Murindó, Antioquia                   |
| 560 | 2022/12/09 | 09:47:32 | 6,758  | -73,154 | 126 | 1,5 | Los Santos, Santander                |
| 561 | 2022/12/09 | 09:58:49 | 3,842  | -71,318 | 0   | 1,9 | Puerto Gaitán, Meta                  |
| 562 | 2022/12/09 | 10:05:23 | 4,252  | -76,220 | 107 | 1,8 | Trujillo, Valle del Cauca            |
| 563 | 2022/12/09 | 10:17:04 | 5,857  | -73,184 | 13  | 2,2 | Paipa, Boyacá                        |
| 564 | 2022/12/09 | 10:22:44 | 5,162  | -75,545 | 105 | 1,3 | Neira, Caldas                        |
| 565 | 2022/12/09 | 10:27:28 | 7,095  | -76,067 | 69  | 1,6 | Dabeiba, Antioquia                   |
| 566 | 2022/12/09 | 12:33:17 | 6,772  | -73,121 | 141 | 2,1 | Los Santos, Santander                |
| 567 | 2022/12/09 | 12:59:19 | 3,760  | -76,998 | 38  | 1,4 | Buenaventura, Valle del Cauca        |
| 568 | 2022/12/09 | 15:13:47 | 2,830  | -78,096 | 4   | 2,0 | Océano Pacífico                      |
| 569 | 2022/12/09 | 16:01:58 | 4,657  | -76,543 | 77  | 2,5 | Sipí, Chocó                          |
| 570 | 2022/12/09 | 17:05:20 | 6,529  | -73,497 | 115 | 3,0 | El Carmen, Santander                 |
| 571 | 2022/12/09 | 17:15:19 | 2,485  | -75,457 | 25  | 1,5 | Hobo, Huila                          |
| 572 | 2022/12/09 | 17:51:42 | 6,737  | -73,171 | 133 | 2,0 | Villanueva, Santander                |
| 573 | 2022/12/09 | 18:26:40 | 5,476  | -76,967 | 24  | 2,4 | Alto Baudó (Pie de Pato), Chocó      |
| 574 | 2022/12/09 | 18:45:09 | 11,040 | -72,721 | 4   | 1,6 | Hato Nuevo, La Guajira               |
| 575 | 2022/12/09 | 18:54:43 | 6,801  | -73,164 | 143 | 2,8 | Los Santos, Santander                |
| 576 | 2022/12/09 | 19:52:39 | 8,528  | -73,254 | 129 | 2,2 | Teorama, Norte de Santander          |
| 577 | 2022/12/09 | 20:02:59 | 6,941  | -77,061 | 36  | 2,9 | Carmen del Darién (Curbaradó), Chocó |
| 578 | 2022/12/09 | 20:12:26 | 7,174  | -73,995 | 21  | 1,6 | Yondó (Casabe), Antioquia            |
| 579 | 2022/12/09 | 20:20:33 | 2,772  | -75,067 | 22  | 1,8 | Rivera, Huila                        |
| 580 | 2022/12/09 | 20:36:24 | 6,814  | -73,172 | 133 | 1,7 | Los Santos, Santander                |
| 581 | 2022/12/09 | 20:45:41 | 7,161  | -76,402 | 16  | 1,5 | Dabeiba, Antioquia                   |
| 582 | 2022/12/09 | 20:49:12 | 6,779  | -74,411 | 60  | 1,4 | Yondó (Casabe), Antioquia            |
| 583 | 2022/12/09 | 20:53:22 | 3,951  | -76,517 | 67  | 1,6 | Calima (El Darién), Valle del Cauca  |
| 584 | 2022/12/09 | 21:56:54 | 6,820  | -73,223 | 142 | 1,7 | Zapatoca, Santander                  |
| 585 | 2022/12/09 | 22:01:50 | 7,187  | -74,080 | 1   | 1,1 | Cantagallo, Bolívar                  |
| 586 | 2022/12/09 | 22:49:01 | 1,774  | -77,322 | 16  | 1,4 | El Rosario, Nariño                   |
| 587 | 2022/12/09 | 23:24:48 | 7,654  | -74,028 | 75  | 2,0 | San Pablo, Bolívar                   |
| 588 | 2022/12/10 | 00:13:54 | 6,797  | -73,127 | 144 | 2,2 | Los Santos, Santander                |
| 589 | 2022/12/10 | 00:27:53 | 4,634  | -76,022 | 74  | 1,0 | Obando, Valle del Cauca              |
| 590 | 2022/12/10 | 00:51:31 | 6,772  | -73,134 | 143 | 2,2 | Los Santos, Santander                |
| 591 | 2022/12/10 | 00:53:44 | 4,001  | -82,508 | 0   | 3,3 | Océano Pacífico                      |
| 592 | 2022/12/10 | 01:10:40 | 6,887  | -74,166 | 9   | 0,8 | Yondó (Casabe), Antioquia            |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|-----|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 593 | 2022/12/10 | 01:37:08 | 4,723  | -76,155 | 92  | 2,4 | Argelia, Valle del Cauca             |
| 594 | 2022/12/10 | 02:01:57 | 2,273  | -79,607 | 0   | 1,9 | Océano Pacífico                      |
| 595 | 2022/12/10 | 02:05:52 | 6,736  | -73,140 | 134 | 1,9 | Los Santos, Santander                |
| 596 | 2022/12/10 | 02:53:27 | 7,197  | -76,806 | 27  | 1,4 | Carmen del Darién (Curbaradó), Chocó |
| 597 | 2022/12/10 | 03:02:29 | 6,834  | -73,206 | 122 | 1,8 | Zapatoca, Santander                  |
| 598 | 2022/12/10 | 03:21:10 | 10,331 | -73,948 | 63  | 1,7 | El Copey, Cesar                      |
| 599 | 2022/12/10 | 03:36:27 | 6,758  | -73,150 | 138 | 1,7 | Los Santos, Santander                |
| 600 | 2022/12/10 | 03:51:17 | 7,448  | -73,176 | 126 | 1,7 | El Playón, Santander                 |
| 601 | 2022/12/10 | 03:58:42 | 6,779  | -73,146 | 136 | 1,8 | Los Santos, Santander                |
| 602 | 2022/12/10 | 04:00:52 | 6,786  | -73,178 | 145 | 1,6 | Los Santos, Santander                |
| 603 | 2022/12/10 | 04:02:01 | 6,797  | -73,147 | 134 | 1,8 | Los Santos, Santander                |
| 604 | 2022/12/10 | 04:10:06 | 2,473  | -78,120 | 66  | 1,9 | El Charco, Nariño                    |
| 605 | 2022/12/10 | 04:20:11 | 7,007  | -76,733 | 12  | 2,4 | Murindó, Antioquia                   |
| 606 | 2022/12/10 | 04:27:09 | 6,771  | -73,184 | 137 | 1,8 | Los Santos, Santander                |
| 607 | 2022/12/10 | 04:29:53 | 6,460  | -73,611 | 104 | 1,4 | Santa Helena del Opón, Santander     |
| 608 | 2022/12/10 | 04:52:04 | 6,348  | -73,622 | 119 | 1,7 | Santa Helena del Opón, Santander     |
| 609 | 2022/12/10 | 05:11:26 | 6,794  | -73,203 | 110 | 1,7 | Zapatoca, Santander                  |
| 610 | 2022/12/10 | 05:42:55 | 6,727  | -73,115 | 138 | 1,8 | Jordán, Santander                    |
| 611 | 2022/12/10 | 06:03:18 | 7,366  | -73,179 | 143 | 1,3 | Ríonegro, Santander                  |
| 612 | 2022/12/10 | 06:22:28 | 6,786  | -73,194 | 143 | 2,4 | Los Santos, Santander                |
| 613 | 2022/12/10 | 06:39:34 | 6,771  | -73,146 | 136 | 1,7 | Los Santos, Santander                |
| 614 | 2022/12/10 | 06:43:04 | 6,766  | -73,180 | 134 | 1,6 | Los Santos, Santander                |
| 615 | 2022/12/10 | 06:51:32 | 3,487  | -74,214 | 2   | 0,9 | Mesetas, Meta                        |
| 616 | 2022/12/10 | 06:57:01 | 6,759  | -73,134 | 140 | 2,0 | Los Santos, Santander                |
| 617 | 2022/12/10 | 07:53:39 | 6,776  | -73,095 | 136 | 2,3 | Los Santos, Santander                |
| 618 | 2022/12/10 | 08:09:23 | 6,788  | -73,155 | 142 | 2,3 | Los Santos, Santander                |
| 619 | 2022/12/10 | 08:28:49 | 5,589  | -74,324 | 90  | 1,1 | Yacopí, Cundinamarca                 |
| 620 | 2022/12/10 | 08:47:23 | 4,545  | -74,976 | 34  | 1,9 | Alvarado, Tolima                     |
| 621 | 2022/12/10 | 08:54:23 | 6,775  | -73,094 | 137 | 1,7 | Los Santos, Santander                |
| 622 | 2022/12/10 | 09:19:50 | 5,216  | -74,810 | 33  | 1,3 | Mariquita, Tolima                    |
| 623 | 2022/12/10 | 09:24:13 | 9,074  | -77,744 | 28  | 1,8 | Cerca de la Costa de Colombia        |
| 624 | 2022/12/10 | 09:27:24 | 6,788  | -75,678 | 0   | 1,2 | San José de la Montaña, Antioquia    |
| 625 | 2022/12/10 | 09:33:36 | 2,321  | -75,541 | 26  | 1,3 | Gigante, Huila                       |
| 626 | 2022/12/10 | 09:36:51 | 2,938  | -84,316 | 10  | 4,9 | Océano Pacífico                      |
| 627 | 2022/12/10 | 09:57:12 | 6,771  | -73,133 | 134 | 2,0 | Los Santos, Santander                |
| 628 | 2022/12/10 | 09:58:49 | 3,492  | -74,198 | 11  | 2,5 | Mesetas, Meta                        |
| 629 | 2022/12/10 | 10:04:25 | 6,739  | -73,173 | 136 | 1,6 | Villanueva, Santander                |
| 630 | 2022/12/10 | 10:17:58 | 1,662  | -76,571 | 16  | 0,9 | Santa Rosa, Cauca                    |
| 631 | 2022/12/10 | 10:19:38 | 5,298  | -74,665 | 44  | 1,2 | Guaduas, Cundinamarca                |
| 632 | 2022/12/10 | 10:39:36 | 3,383  | -74,942 | 25  | 1,3 | Alpujarra, Tolima                    |
| 633 | 2022/12/10 | 10:47:47 | 2,424  | -79,768 | 0   | 2,1 | Océano Pacífico                      |
| 634 | 2022/12/10 | 11:06:28 | 6,647  | -77,024 | 37  | 3,3 | Bojayá (Bellavista), Chocó           |
| 635 | 2022/12/10 | 11:09:52 | 5,764  | -73,120 | 0   | 1,5 | Paipa, Boyacá                        |
| 636 | 2022/12/10 | 11:49:45 | 5,449  | -72,938 | 45  | 1,7 | Aquitania, Boyacá                    |
| 637 | 2022/12/10 | 12:02:14 | 6,632  | -76,981 | 40  | 2,9 | Bojayá (Bellavista), Chocó           |
| 638 | 2022/12/10 | 12:05:05 | 6,750  | -73,154 | 138 | 1,8 | Los Santos, Santander                |



| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                                                               |
|-----|------------|----------|--------|---------|-----|-----|-------------------------------------------------------------------------|
| 639 | 2022/12/10 | 12:08:07 | 6,728  | -73,184 | 134 | 1,6 | Villanueva, Santander                                                   |
| 640 | 2022/12/10 | 13:29:15 | 6,799  | -73,142 | 139 | 1,6 | Los Santos, Santander                                                   |
| 641 | 2022/12/10 | 13:44:21 | 6,761  | -73,186 | 146 | 2,0 | Los Santos, Santander                                                   |
| 642 | 2022/12/10 | 13:53:57 | 6,817  | -73,206 | 143 | 2,0 | Zapatoca, Santander                                                     |
| 643 | 2022/12/10 | 15:30:50 | 5,263  | -73,786 | 135 | 2,0 | Cucunubá, Cundinamarca                                                  |
| 644 | 2022/12/10 | 16:12:50 | 6,782  | -73,160 | 142 | 2,5 | Los Santos, Santander                                                   |
| 645 | 2022/12/10 | 17:27:25 | 6,793  | -73,203 | 145 | 2,1 | Zapatoca, Santander                                                     |
| 646 | 2022/12/10 | 18:16:08 | 6,775  | -73,149 | 143 | 1,9 | Los Santos, Santander                                                   |
| 647 | 2022/12/10 | 19:00:39 | 6,728  | -73,159 | 136 | 1,9 | Villanueva, Santander                                                   |
| 648 | 2022/12/10 | 21:19:48 | 6,846  | -73,234 | 136 | 1,6 | Zapatoca, Santander                                                     |
| 649 | 2022/12/10 | 22:26:57 | 3,490  | -74,189 | 13  | 1,9 | Mesetas, Meta                                                           |
| 650 | 2022/12/10 | 22:36:55 | 6,884  | -73,382 | 125 | 1,4 | San Vicente de Chucurí, Santander                                       |
| 651 | 2022/12/10 | 22:40:14 | 6,775  | -73,210 | 135 | 1,9 | Zapatoca, Santander                                                     |
| 652 | 2022/12/10 | 23:10:34 | 6,779  | -73,201 | 132 | 1,8 | Zapatoca, Santander                                                     |
| 653 | 2022/12/10 | 23:37:47 | 6,720  | -73,154 | 133 | 2,0 | Villanueva, Santander                                                   |
| 654 | 2022/12/11 | 00:25:43 | 0,820  | -77,950 | 4   | 2,0 | Área de influencia complejo volcánico Chiles - Cerro Negro, Cerro Negro |
| 655 | 2022/12/11 | 00:27:43 | 6,672  | -73,673 | 109 | 1,5 | El Carmen, Santander                                                    |
| 656 | 2022/12/11 | 00:37:40 | 6,391  | -73,698 | 103 | 1,4 | Landázuri, Santander                                                    |
| 657 | 2022/12/11 | 00:43:31 | 5,286  | -73,721 | 143 | 2,8 | Lenguazaque, Cundinamarca                                               |
| 658 | 2022/12/11 | 00:54:03 | 4,416  | -77,833 | 23  | 1,6 | Océano Pacífico                                                         |
| 659 | 2022/12/11 | 01:29:09 | 6,779  | -73,171 | 129 | 1,7 | Los Santos, Santander                                                   |
| 660 | 2022/12/11 | 01:55:01 | 1,059  | -78,431 | 22  | 2,1 | Colombia-Ecuador                                                        |
| 661 | 2022/12/11 | 02:25:54 | 6,689  | -73,619 | 117 | 1,5 | El Carmen, Santander                                                    |
| 662 | 2022/12/11 | 02:27:39 | 10,458 | -73,348 | 92  | 1,5 | Valledupar, Cesar                                                       |
| 663 | 2022/12/11 | 02:35:04 | 6,788  | -73,119 | 143 | 2,2 | Los Santos, Santander                                                   |
| 664 | 2022/12/11 | 02:46:40 | 6,794  | -73,190 | 147 | 1,5 | Los Santos, Santander                                                   |
| 665 | 2022/12/11 | 03:09:47 | 5,891  | -73,161 | 10  | 1,0 | Paipa, Boyacá                                                           |
| 666 | 2022/12/11 | 03:46:34 | 7,439  | -75,441 | 55  | 1,6 | Tarazá, Antioquia                                                       |
| 667 | 2022/12/11 | 03:50:54 | 6,547  | -73,326 | 37  | 1,5 | Hato, Santander                                                         |
| 668 | 2022/12/11 | 04:25:52 | 5,747  | -75,903 | 54  | 1,1 | Betania, Antioquia                                                      |
| 669 | 2022/12/11 | 04:27:10 | 6,775  | -73,176 | 135 | 1,6 | Los Santos, Santander                                                   |
| 670 | 2022/12/11 | 05:51:55 | 6,755  | -73,190 | 142 | 2,1 | Villanueva, Santander                                                   |
| 671 | 2022/12/11 | 05:57:33 | 5,851  | -73,205 | 14  | 2,3 | Gámbita, Santander                                                      |
| 672 | 2022/12/11 | 06:02:35 | 5,836  | -73,153 | 14  | 1,4 | Sotaquirá, Boyacá                                                       |
| 673 | 2022/12/11 | 06:36:49 | 5,847  | -73,189 | 10  | 1,5 | Gámbita, Santander                                                      |
| 674 | 2022/12/11 | 07:38:02 | 6,760  | -73,196 | 138 | 1,5 | Villanueva, Santander                                                   |
| 675 | 2022/12/11 | 07:48:38 | 6,783  | -73,107 | 130 | 1,7 | Los Santos, Santander                                                   |
| 676 | 2022/12/11 | 08:18:28 | 5,136  | -75,824 | 93  | 1,6 | Anserma, Caldas                                                         |
| 677 | 2022/12/11 | 08:19:14 | 6,776  | -73,134 | 140 | 2,1 | Los Santos, Santander                                                   |
| 678 | 2022/12/11 | 08:36:44 | 6,754  | -73,180 | 139 | 1,7 | Villanueva, Santander                                                   |
| 679 | 2022/12/11 | 09:46:02 | 10,920 | -72,055 | 97  | 2,0 | Venezuela                                                               |
| 680 | 2022/12/11 | 09:49:04 | 6,742  | -73,112 | 136 | 2,2 | Los Santos, Santander                                                   |
| 681 | 2022/12/11 | 09:52:32 | 6,763  | -73,136 | 139 | 1,9 | Los Santos, Santander                                                   |
| 682 | 2022/12/11 | 09:55:57 | 6,798  | -73,174 | 135 | 1,7 | Los Santos, Santander                                                   |
| 683 | 2022/12/11 | 10:08:23 | 6,738  | -73,115 | 136 | 1,8 | Los Santos, Santander                                                   |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                                |
|-----|------------|----------|--------|---------|-----|-----|------------------------------------------|
| 684 | 2022/12/11 | 10:31:01 | 6,777  | -73,152 | 138 | 2,4 | Los Santos, Santander                    |
| 685 | 2022/12/11 | 10:49:07 | 8,008  | -72,647 | 13  | 1,3 | El Zulia, Norte de Santander             |
| 686 | 2022/12/11 | 11:30:20 | 5,296  | -73,731 | 142 | 3,0 | Lenguazaque, Cundinamarca                |
| 687 | 2022/12/11 | 11:33:22 | 4,735  | -76,121 | 92  | 1,8 | Argelia, Valle del Cauca                 |
| 688 | 2022/12/11 | 11:54:05 | 4,184  | -76,809 | 19  | 1,6 | El Litoral del San Juan (Docordó), Chocó |
| 689 | 2022/12/11 | 12:41:43 | 5,819  | -73,211 | 9   | 1,9 | Sotaquirá, Boyacá                        |
| 690 | 2022/12/11 | 13:13:00 | 4,751  | -76,090 | 93  | 1,7 | Ansermanuevo, Valle del Cauca            |
| 691 | 2022/12/11 | 14:18:23 | 11,614 | -73,211 | 25  | 1,8 | Mar Caribe                               |
| 692 | 2022/12/11 | 14:38:16 | 6,844  | -73,364 | 129 | 2,3 | San Vicente de Chucurí, Santander        |
| 693 | 2022/12/11 | 15:48:30 | 7,091  | -74,018 | 95  | 1,3 | Yondó (Casabe), Antioquia                |
| 694 | 2022/12/11 | 16:36:03 | 4,733  | -76,074 | 84  | 1,4 | Ansermanuevo, Valle del Cauca            |
| 695 | 2022/12/11 | 17:22:10 | 6,808  | -73,175 | 144 | 3,4 | Los Santos, Santander                    |
| 696 | 2022/12/11 | 17:55:17 | 5,262  | -73,749 | 130 | 2,3 | Cucunubá, Cundinamarca                   |
| 697 | 2022/12/11 | 17:57:48 | 5,557  | -73,860 | 117 | 2,0 | Caldas, Boyacá                           |
| 698 | 2022/12/11 | 19:18:50 | 5,170  | -78,346 | 0   | 2,0 | Océano Pacífico                          |
| 699 | 2022/12/11 | 19:23:27 | 11,097 | -72,573 | 44  | 1,3 | Barrancas, La Guajira                    |
| 700 | 2022/12/11 | 20:09:43 | 6,708  | -73,149 | 135 | 2,5 | Villanueva, Santander                    |
| 701 | 2022/12/11 | 20:25:22 | 6,917  | -73,214 | 142 | 1,9 | Zapatoca, Santander                      |
| 702 | 2022/12/11 | 20:30:22 | 3,726  | -76,946 | 50  | 1,4 | Buenaventura, Valle del Cauca            |
| 703 | 2022/12/11 | 21:47:41 | 4,191  | -73,717 | 11  | 2,1 | Villavicencio, Meta                      |
| 704 | 2022/12/11 | 21:59:49 | 6,750  | -73,149 | 139 | 2,2 | Los Santos, Santander                    |
| 705 | 2022/12/11 | 22:20:04 | 6,698  | -73,501 | 121 | 1,5 | El Carmen, Santander                     |
| 706 | 2022/12/11 | 22:37:14 | 6,314  | -73,638 | 110 | 1,4 | Santa Helena del Opón, Santander         |
| 707 | 2022/12/11 | 23:33:41 | 6,922  | -74,768 | 45  | 1,4 | Remedios, Antioquia                      |
| 708 | 2022/12/12 | 00:00:34 | 1,831  | -75,754 | 16  | 1,2 | Suaza, Huila                             |
| 709 | 2022/12/12 | 00:17:05 | 4,918  | -75,589 | 111 | 1,2 | Santa Rosa de Cabal, Risaralda           |
| 710 | 2022/12/12 | 00:18:58 | 5,955  | -76,407 | 16  | 0,8 | Quibdó, Chocó                            |
| 711 | 2022/12/12 | 00:40:05 | 6,699  | -73,141 | 134 | 1,9 | Jordán, Santander                        |
| 712 | 2022/12/12 | 00:57:19 | 6,742  | -73,127 | 137 | 2,0 | Los Santos, Santander                    |
| 713 | 2022/12/12 | 01:00:57 | 4,600  | -76,651 | 31  | 1,5 | Sipí, Chocó                              |
| 714 | 2022/12/12 | 01:17:29 | 10,215 | -73,455 | 96  | 1,5 | Valledupar, Cesar                        |
| 715 | 2022/12/12 | 01:21:11 | 6,871  | -73,390 | 126 | 1,4 | San Vicente de Chucurí, Santander        |
| 716 | 2022/12/12 | 01:26:07 | 6,792  | -73,159 | 132 | 1,7 | Los Santos, Santander                    |
| 717 | 2022/12/12 | 01:59:06 | 1,918  | -75,970 | 29  | 0,8 | Timaná, Huila                            |
| 718 | 2022/12/12 | 02:05:43 | 6,794  | -73,190 | 143 | 1,6 | Los Santos, Santander                    |
| 719 | 2022/12/12 | 02:12:47 | 5,800  | -73,908 | 103 | 1,6 | Florián, Santander                       |
| 720 | 2022/12/12 | 02:28:12 | 2,326  | -75,619 | 29  | 2,4 | Gigante, Huila                           |
| 721 | 2022/12/12 | 03:16:17 | 6,985  | -76,309 | 8   | 1,2 | Dabeiba, Antioquia                       |
| 722 | 2022/12/12 | 03:28:22 | 2,406  | -75,610 | 26  | 1,5 | Paicol, Huila                            |
| 723 | 2022/12/12 | 03:33:28 | 6,775  | -73,124 | 141 | 2,2 | Los Santos, Santander                    |
| 724 | 2022/12/12 | 04:00:01 | 6,833  | -76,218 | 15  | 1,7 | Frontino, Antioquia                      |
| 725 | 2022/12/12 | 04:14:54 | 2,415  | -75,400 | 28  | 1,0 | Algeciras, Huila                         |
| 726 | 2022/12/12 | 04:28:17 | 10,248 | -73,586 | 30  | 1,4 | Valledupar, Cesar                        |
| 727 | 2022/12/12 | 04:49:27 | 4,867  | -76,198 | 98  | 2,1 | San José del Palmar, Chocó               |
| 728 | 2022/12/12 | 05:03:38 | 1,840  | -77,314 | 19  | 1,5 | Leiva, Nariño                            |
| 729 | 2022/12/12 | 06:21:55 | 7,162  | -73,795 | 37  | 1,2 | Barrancabermeja, Santander               |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                     |
|-----|------------|----------|--------|---------|-----|-----|-------------------------------|
| 730 | 2022/12/12 | 06:41:59 | 7,091  | -73,374 | 127 | 1,6 | Girón, Santander              |
| 731 | 2022/12/12 | 06:52:37 | 6,764  | -73,225 | 136 | 1,8 | Zapatoca, Santander           |
| 732 | 2022/12/12 | 07:26:26 | 2,512  | -75,622 | 25  | 1,2 | Tesalia, Huila                |
| 733 | 2022/12/12 | 07:27:59 | 10,376 | -73,624 | 87  | 1,6 | Pueblo Bello, Cesar           |
| 734 | 2022/12/12 | 07:40:44 | 6,749  | -73,107 | 140 | 1,8 | Los Santos, Santander         |
| 735 | 2022/12/12 | 09:02:24 | 7,114  | -73,402 | 117 | 1,6 | Girón, Santander              |
| 736 | 2022/12/12 | 09:09:53 | 8,844  | -73,393 | 16  | 2,6 | El Carmen, Norte de Santander |
| 737 | 2022/12/12 | 09:10:24 | 1,938  | -75,936 | 31  | 2,0 | Timaná, Huila                 |
| 738 | 2022/12/12 | 09:22:29 | 6,939  | -76,274 | 16  | 1,3 | Dabeiba, Antioquia            |
| 739 | 2022/12/12 | 09:39:59 | 6,747  | -73,233 | 144 | 1,7 | Zapatoca, Santander           |
| 740 | 2022/12/12 | 09:53:28 | 6,694  | -73,158 | 134 | 1,7 | Villanueva, Santander         |
| 741 | 2022/12/12 | 10:47:22 | 2,941  | -77,826 | 55  | 2,0 | Océano Pacífico               |
| 742 | 2022/12/12 | 10:53:38 | 6,745  | -73,188 | 140 | 1,7 | Villanueva, Santander         |
| 743 | 2022/12/12 | 12:57:51 | 3,436  | -74,194 | 16  | 1,4 | Mesetas, Meta                 |
| 744 | 2022/12/12 | 13:54:03 | 4,697  | -75,824 | 43  | 1,3 | Alcalá, Valle del Cauca       |
| 745 | 2022/12/12 | 14:02:32 | 6,754  | -73,193 | 132 | 2,0 | Villanueva, Santander         |
| 746 | 2022/12/12 | 14:24:02 | 2,113  | -77,157 | 7   | 1,4 | Balboa, Cauca                 |
| 747 | 2022/12/12 | 14:36:34 | 4,696  | -76,196 | 87  | 1,2 | El Cairo, Valle del Cauca     |
| 748 | 2022/12/12 | 14:49:08 | 3,751  | -76,760 | 64  | 4,1 | Dagua, Valle del Cauca        |
| 749 | 2022/12/12 | 14:54:49 | 6,699  | -73,146 | 129 | 1,8 | Jordán, Santander             |
| 750 | 2022/12/12 | 15:57:36 | 6,646  | -73,165 | 132 | 1,8 | Villanueva, Santander         |
| 751 | 2022/12/12 | 16:32:24 | 6,878  | -73,101 | 140 | 1,6 | Los Santos, Santander         |
| 752 | 2022/12/12 | 16:43:31 | 6,728  | -73,124 | 138 | 1,6 | Jordán, Santander             |
| 753 | 2022/12/12 | 17:15:12 | 6,782  | -73,121 | 145 | 2,8 | Los Santos, Santander         |
| 754 | 2022/12/12 | 18:27:32 | 4,771  | -82,799 | 0   | 5,4 | Océano Pacífico               |
| 755 | 2022/12/12 | 18:40:05 | 6,776  | -73,222 | 145 | 1,9 | Zapatoca, Santander           |
| 756 | 2022/12/12 | 18:43:19 | 6,797  | -73,155 | 138 | 2,2 | Los Santos, Santander         |
| 757 | 2022/12/12 | 19:05:52 | 8,851  | -76,324 | 66  | 1,4 | Los Córdoba, Córdoba          |
| 758 | 2022/12/12 | 19:16:34 | 4,026  | -76,248 | 128 | 1,5 | San Pedro, Valle del Cauca    |
| 759 | 2022/12/12 | 19:22:20 | 6,757  | -73,151 | 137 | 1,8 | Los Santos, Santander         |
| 760 | 2022/12/12 | 19:37:07 | 6,798  | -73,546 | 110 | 1,5 | El Carmen, Santander          |
| 761 | 2022/12/12 | 19:43:52 | 3,975  | -76,126 | 105 | 1,9 | Tuluá, Valle del Cauca        |
| 762 | 2022/12/12 | 19:58:54 | 5,644  | -73,816 | 118 | 1,1 | Chiquinquirá, Boyacá          |
| 763 | 2022/12/12 | 20:58:29 | 6,797  | -73,145 | 146 | 3,2 | Los Santos, Santander         |
| 764 | 2022/12/12 | 21:00:26 | 4,373  | -73,842 | 13  | 1,9 | Quetame, Cundinamarca         |
| 765 | 2022/12/12 | 21:57:39 | 6,393  | -75,868 | 13  | 1,4 | Anzá, Antioquia               |
| 766 | 2022/12/12 | 22:21:21 | 6,761  | -73,153 | 136 | 2,8 | Los Santos, Santander         |
| 767 | 2022/12/12 | 22:54:26 | 5,597  | -73,982 | 104 | 2,0 | Maripí, Boyacá                |
| 768 | 2022/12/13 | 00:40:13 | 4,943  | -75,810 | 13  | 0,9 | Belalcázar, Caldas            |
| 769 | 2022/12/13 | 00:51:18 | 6,741  | -73,141 | 129 | 1,5 | Los Santos, Santander         |
| 770 | 2022/12/13 | 01:10:31 | 7,218  | -73,806 | 28  | 1,3 | Puerto Wilches, Santander     |
| 771 | 2022/12/13 | 01:16:23 | 6,911  | -73,238 | 129 | 1,6 | Betulia, Santander            |
| 772 | 2022/12/13 | 01:27:01 | 6,748  | -73,145 | 138 | 2,0 | Los Santos, Santander         |
| 773 | 2022/12/13 | 01:34:00 | 3,571  | -74,452 | 16  | 0,8 | Uribe, Meta                   |
| 774 | 2022/12/13 | 01:37:49 | 6,758  | -73,180 | 135 | 1,7 | Los Santos, Santander         |
| 775 | 2022/12/13 | 01:56:06 | 4,560  | -74,829 | 34  | 1,2 | Piedras, Tolima               |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|-----|------------|----------|--------|---------|-----|-----|----------------------------------|
| 776 | 2022/12/13 | 02:20:20 | 8,193  | -73,073 | 152 | 1,9 | Ábrego, Norte de Santander       |
| 777 | 2022/12/13 | 02:38:07 | 7,138  | -75,939 | 34  | 1,7 | Peque, Antioquia                 |
| 778 | 2022/12/13 | 02:49:27 | 4,622  | -75,551 | 12  | 1,4 | Salento, Quindío                 |
| 779 | 2022/12/13 | 03:21:50 | 6,707  | -73,120 | 139 | 1,5 | Jordán, Santander                |
| 780 | 2022/12/13 | 03:24:45 | 6,765  | -73,134 | 141 | 1,8 | Los Santos, Santander            |
| 781 | 2022/12/13 | 03:27:59 | 6,778  | -73,169 | 144 | 1,6 | Los Santos, Santander            |
| 782 | 2022/12/13 | 03:42:17 | 4,880  | -76,201 | 76  | 1,2 | San José del Palmar, Chocó       |
| 783 | 2022/12/13 | 03:49:45 | 6,752  | -73,163 | 144 | 1,5 | Los Santos, Santander            |
| 784 | 2022/12/13 | 03:51:14 | 6,801  | -73,173 | 151 | 1,8 | Los Santos, Santander            |
| 785 | 2022/12/13 | 04:16:09 | 10,601 | -73,199 | 74  | 1,4 | Valledupar, Cesar                |
| 786 | 2022/12/13 | 04:21:38 | 6,755  | -73,160 | 136 | 2,2 | Los Santos, Santander            |
| 787 | 2022/12/13 | 05:03:10 | 6,805  | -73,168 | 142 | 1,6 | Los Santos, Santander            |
| 788 | 2022/12/13 | 05:07:15 | 6,410  | -73,676 | 104 | 1,5 | Vélez, Santander                 |
| 789 | 2022/12/13 | 05:10:49 | 6,742  | -73,166 | 138 | 2,1 | Los Santos, Santander            |
| 790 | 2022/12/13 | 05:31:29 | 6,754  | -73,197 | 140 | 1,5 | Villanueva, Santander            |
| 791 | 2022/12/13 | 05:39:41 | 6,773  | -73,148 | 143 | 1,7 | Los Santos, Santander            |
| 792 | 2022/12/13 | 05:45:51 | 6,761  | -73,164 | 145 | 3,5 | Los Santos, Santander            |
| 793 | 2022/12/13 | 06:08:25 | 6,704  | -73,082 | 138 | 2,0 | Aratoca, Santander               |
| 794 | 2022/12/13 | 06:55:01 | 6,766  | -73,129 | 134 | 1,8 | Los Santos, Santander            |
| 795 | 2022/12/13 | 07:01:03 | 3,593  | -73,151 | 24  | 2,5 | San Martín, Meta                 |
| 796 | 2022/12/13 | 07:01:07 | 2,202  | -77,898 | 90  | 1,7 | Santa Bárbara (Iscuandé), Nariño |
| 797 | 2022/12/13 | 07:09:22 | 6,658  | -73,702 | 105 | 1,8 | El Carmen, Santander             |
| 798 | 2022/12/13 | 07:21:50 | 6,284  | -73,623 | 113 | 1,1 | La Paz, Santander                |
| 799 | 2022/12/13 | 07:41:37 | 5,419  | -73,806 | 126 | 2,6 | Susa, Cundinamarca               |
| 800 | 2022/12/13 | 08:08:12 | 6,815  | -73,139 | 129 | 1,6 | Los Santos, Santander            |
| 801 | 2022/12/13 | 08:46:52 | 6,766  | -73,150 | 142 | 1,8 | Los Santos, Santander            |
| 802 | 2022/12/13 | 09:29:47 | 6,805  | -73,101 | 147 | 1,4 | Los Santos, Santander            |
| 803 | 2022/12/13 | 09:33:00 | 6,758  | -73,184 | 138 | 1,8 | Los Santos, Santander            |
| 804 | 2022/12/13 | 09:53:01 | 3,912  | -78,468 | 15  | 2,2 | Océano Pacífico                  |
| 805 | 2022/12/13 | 09:53:40 | 2,159  | -76,038 | 20  | 1,9 | La Argentina, Huila              |
| 806 | 2022/12/13 | 09:55:30 | 6,758  | -73,197 | 140 | 1,9 | Villanueva, Santander            |
| 807 | 2022/12/13 | 10:30:01 | 6,583  | -73,496 | 123 | 1,5 | El Carmen, Santander             |
| 808 | 2022/12/13 | 12:07:00 | 6,749  | -73,090 | 136 | 1,7 | Los Santos, Santander            |
| 809 | 2022/12/13 | 12:49:04 | 5,958  | -74,983 | 15  | 1,2 | San Luis, Antioquia              |
| 810 | 2022/12/13 | 13:16:55 | 6,821  | -73,175 | 145 | 1,6 | Los Santos, Santander            |
| 811 | 2022/12/13 | 13:17:51 | 7,359  | -76,298 | 28  | 1,9 | Ituango, Antioquia               |
| 812 | 2022/12/13 | 14:10:55 | 6,728  | -73,154 | 130 | 1,9 | Villanueva, Santander            |
| 813 | 2022/12/13 | 14:16:33 | 7,122  | -76,215 | 16  | 1,5 | Dabeiba, Antioquia               |
| 814 | 2022/12/13 | 14:28:44 | 4,680  | -74,591 | 49  | 2,0 | Quipile, Cundinamarca            |
| 815 | 2022/12/13 | 14:33:13 | 6,856  | -73,127 | 148 | 1,5 | Los Santos, Santander            |
| 816 | 2022/12/13 | 14:37:42 | 8,048  | -72,651 | 0   | 1,7 | El Zulia, Norte de Santander     |
| 817 | 2022/12/13 | 14:59:21 | 5,935  | -73,718 | 123 | 1,9 | Guavatá, Santander               |
| 818 | 2022/12/13 | 15:23:54 | 6,068  | -73,693 | 119 | 2,2 | Vélez, Santander                 |
| 819 | 2022/12/13 | 15:34:56 | 6,755  | -73,164 | 141 | 2,3 | Los Santos, Santander            |
| 820 | 2022/12/13 | 16:21:38 | 4,459  | -76,165 | 104 | 1,8 | Roldanillo, Valle del Cauca      |
| 821 | 2022/12/13 | 16:32:59 | 6,783  | -76,336 | 23  | 1,5 | Frontino, Antioquia              |

| N   | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                          |
|-----|------------|----------|-------|---------|-----|-----|------------------------------------|
| 822 | 2022/12/13 | 16:49:57 | 6,796 | -73,180 | 149 | 1,7 | Los Santos, Santander              |
| 823 | 2022/12/13 | 17:00:47 | 4,929 | -76,001 | 103 | 1,3 | La Celia, Risaralda                |
| 824 | 2022/12/13 | 17:40:51 | 2,161 | -76,042 | 15  | 1,6 | La Argentina, Huila                |
| 825 | 2022/12/13 | 18:31:23 | 6,880 | -73,369 | 127 | 1,8 | San Vicente de Chucurí, Santander  |
| 826 | 2022/12/13 | 19:18:26 | 6,854 | -73,378 | 39  | 1,2 | San Vicente de Chucurí, Santander  |
| 827 | 2022/12/13 | 19:50:16 | 5,250 | -73,719 | 130 | 2,2 | Lenguazaque, Cundinamarca          |
| 828 | 2022/12/13 | 20:31:25 | 3,533 | -76,453 | 14  | 1,1 | Palmira, Valle del Cauca           |
| 829 | 2022/12/13 | 21:20:23 | 6,552 | -74,525 | 26  | 0,9 | Puerto Berrío, Antioquia           |
| 830 | 2022/12/13 | 21:38:05 | 5,675 | -73,992 | 112 | 1,8 | Pauna, Boyacá                      |
| 831 | 2022/12/13 | 22:49:39 | 5,711 | -73,890 | 100 | 1,8 | Briceno, Boyacá                    |
| 832 | 2022/12/13 | 23:23:17 | 6,766 | -73,171 | 134 | 1,5 | Los Santos, Santander              |
| 833 | 2022/12/13 | 23:25:32 | 6,836 | -73,262 | 134 | 1,9 | Zapatoca, Santander                |
| 834 | 2022/12/13 | 23:40:46 | 4,932 | -74,719 | 25  | 1,0 | San Juan de Río seco, Cundinamarca |
| 835 | 2022/12/13 | 23:41:07 | 7,430 | -73,181 | 140 | 2,0 | El Playón, Santander               |
| 836 | 2022/12/14 | 00:38:02 | 6,527 | -73,612 | 115 | 1,3 | Simacota, Santander                |
| 837 | 2022/12/14 | 01:24:10 | 6,930 | -76,230 | 0   | 1,5 | Uramita, Antioquia                 |
| 838 | 2022/12/14 | 01:39:15 | 6,634 | -76,985 | 37  | 2,7 | Bojayá (Bellavista), Chocó         |
| 839 | 2022/12/14 | 01:57:34 | 6,783 | -73,193 | 136 | 1,8 | Los Santos, Santander              |
| 840 | 2022/12/14 | 02:09:05 | 6,073 | -74,028 | 88  | 1,4 | El Peñón, Santander                |
| 841 | 2022/12/14 | 02:10:42 | 6,976 | -76,257 | 30  | 1,4 | Dabeiba, Antioquia                 |
| 842 | 2022/12/14 | 03:06:12 | 6,352 | -73,730 | 100 | 1,7 | Landázuri, Santander               |
| 843 | 2022/12/14 | 03:48:23 | 3,900 | -76,210 | 103 | 1,5 | Buga, Valle del Cauca              |
| 844 | 2022/12/14 | 03:49:39 | 6,762 | -73,171 | 139 | 1,7 | Los Santos, Santander              |
| 845 | 2022/12/14 | 03:56:31 | 7,702 | -73,141 | 146 | 1,8 | Cáchira, Norte de Santander        |
| 846 | 2022/12/14 | 04:04:19 | 6,737 | -73,137 | 137 | 2,0 | Los Santos, Santander              |
| 847 | 2022/12/14 | 04:08:57 | 6,801 | -73,215 | 145 | 1,6 | Zapatoca, Santander                |
| 848 | 2022/12/14 | 04:21:14 | 4,377 | -74,021 | 13  | 1,3 | Une, Cundinamarca                  |
| 849 | 2022/12/14 | 04:27:10 | 7,737 | -73,243 | 141 | 1,6 | La Esperanza, Norte de Santander   |
| 850 | 2022/12/14 | 05:06:35 | 6,730 | -73,561 | 107 | 1,8 | El Carmen, Santander               |
| 851 | 2022/12/14 | 05:31:12 | 6,614 | -73,304 | 131 | 1,6 | Galán, Santander                   |
| 852 | 2022/12/14 | 05:31:35 | 6,758 | -73,141 | 140 | 1,9 | Los Santos, Santander              |
| 853 | 2022/12/14 | 06:16:16 | 6,732 | -73,171 | 132 | 1,5 | Villanueva, Santander              |
| 854 | 2022/12/14 | 06:26:31 | 9,044 | -74,074 | 7   | 1,6 | El Banco, Magdalena                |
| 855 | 2022/12/14 | 06:33:18 | 7,394 | -73,171 | 139 | 1,5 | Rionegro, Santander                |
| 856 | 2022/12/14 | 06:36:57 | 6,797 | -73,153 | 150 | 4,4 | Los Santos, Santander              |
| 857 | 2022/12/14 | 06:49:54 | 2,166 | -74,906 | 22  | 1,4 | San Vicente del Caguán, Caquetá    |
| 858 | 2022/12/14 | 06:50:01 | 6,790 | -73,980 | 18  | 1,5 | Puerto Parra, Santander            |
| 859 | 2022/12/14 | 07:04:30 | 6,753 | -71,933 | 25  | 2,1 | Fortul, Arauca                     |
| 860 | 2022/12/14 | 07:16:03 | 6,804 | -73,129 | 141 | 1,8 | Los Santos, Santander              |
| 861 | 2022/12/14 | 07:23:57 | 6,778 | -73,162 | 151 | 1,8 | Los Santos, Santander              |
| 862 | 2022/12/14 | 07:25:39 | 5,695 | -76,988 | 40  | 1,8 | Alto Baudó (Pie de Pato), Chocó    |
| 863 | 2022/12/14 | 07:39:32 | 7,868 | -73,237 | 135 | 1,4 | Ábrego, Norte de Santander         |
| 864 | 2022/12/14 | 08:09:55 | 6,791 | -73,514 | 116 | 1,7 | El Carmen, Santander               |
| 865 | 2022/12/14 | 08:31:11 | 1,912 | -76,016 | 25  | 1,0 | Pitalito, Huila                    |
| 866 | 2022/12/14 | 09:01:18 | 3,108 | -78,169 | 35  | 1,5 | Océano Pacífico                    |
| 867 | 2022/12/14 | 09:03:55 | 6,401 | -73,701 | 113 | 1,7 | Landázuri, Santander               |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|-----|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 868 | 2022/12/14 | 09:46:36 | 6,857  | -73,380 | 128 | 1,6 | San Vicente de Chucurí, Santander |
| 869 | 2022/12/14 | 10:48:42 | 7,578  | -73,662 | 118 | 1,5 | Sabana de Torres, Santander       |
| 870 | 2022/12/14 | 11:28:21 | 6,757  | -73,117 | 142 | 2,2 | Los Santos, Santander             |
| 871 | 2022/12/14 | 11:37:20 | 6,588  | -73,377 | 138 | 1,8 | Hato, Santander                   |
| 872 | 2022/12/14 | 12:27:59 | 4,700  | -76,154 | 96  | 1,9 | Argelia, Valle del Cauca          |
| 873 | 2022/12/14 | 12:40:04 | 7,428  | -76,945 | 37  | 1,8 | Ríosucio, Chocó                   |
| 874 | 2022/12/14 | 13:05:06 | 5,347  | -75,914 | 29  | 2,1 | Mistrató, Risaralda               |
| 875 | 2022/12/14 | 15:29:55 | 5,755  | -73,734 | 116 | 2,0 | Saboyá, Boyacá                    |
| 876 | 2022/12/14 | 15:53:18 | 5,266  | -73,750 | 143 | 1,8 | Cucunubá, Cundinamarca            |
| 877 | 2022/12/14 | 16:47:55 | 2,514  | -75,574 | 16  | 1,5 | Yaguará, Huila                    |
| 878 | 2022/12/14 | 16:58:56 | 6,787  | -73,167 | 135 | 2,0 | Los Santos, Santander             |
| 879 | 2022/12/14 | 17:11:41 | 8,910  | -73,878 | 5   | 2,0 | El Peñón, Bolívar                 |
| 880 | 2022/12/14 | 17:39:03 | 3,456  | -74,179 | 10  | 3,9 | Mesetas, Meta                     |
| 881 | 2022/12/14 | 17:44:47 | 3,456  | -74,171 | 5   | 1,1 | Mesetas, Meta                     |
| 882 | 2022/12/14 | 18:58:00 | 6,749  | -73,138 | 148 | 2,3 | Los Santos, Santander             |
| 883 | 2022/12/14 | 19:11:50 | 5,675  | -75,897 | 48  | 1,2 | Andes, Antioquia                  |
| 884 | 2022/12/14 | 19:24:21 | 3,463  | -74,216 | 13  | 1,9 | Mesetas, Meta                     |
| 885 | 2022/12/14 | 19:25:19 | 6,778  | -73,145 | 135 | 2,2 | Los Santos, Santander             |
| 886 | 2022/12/14 | 19:33:51 | 3,456  | -74,180 | 9   | 1,8 | Mesetas, Meta                     |
| 887 | 2022/12/14 | 20:07:15 | 6,754  | -73,150 | 134 | 1,8 | Los Santos, Santander             |
| 888 | 2022/12/14 | 20:38:39 | 2,825  | -78,118 | 0   | 2,0 | Océano Pacífico                   |
| 889 | 2022/12/14 | 20:44:19 | 3,934  | -76,180 | 110 | 1,6 | San Pedro, Valle del Cauca        |
| 890 | 2022/12/14 | 21:33:14 | 3,480  | -74,190 | 13  | 1,0 | Mesetas, Meta                     |
| 891 | 2022/12/14 | 22:30:04 | 2,932  | -74,822 | 31  | 1,4 | Uribe, Meta                       |
| 892 | 2022/12/14 | 22:46:55 | 5,894  | -77,550 | 18  | 2,1 | Océano Pacífico                   |
| 893 | 2022/12/14 | 23:02:17 | 8,317  | -73,518 | 118 | 1,9 | Aguachica, Cesar                  |
| 894 | 2022/12/14 | 23:06:22 | 11,138 | -74,643 | 29  | 1,6 | Mar Caribe                        |
| 895 | 2022/12/15 | 00:06:02 | 5,531  | -73,879 | 106 | 2,0 | Caldas, Boyacá                    |
| 896 | 2022/12/15 | 00:26:11 | 6,630  | -76,771 | 37  | 2,3 | Vigia del Fuerte, Antioquia       |
| 897 | 2022/12/15 | 00:35:05 | 6,397  | -73,628 | 120 | 1,8 | Santa Helena del Opón, Santander  |
| 898 | 2022/12/15 | 01:35:54 | 6,188  | -76,544 | 16  | 1,4 | Vigia del Fuerte, Antioquia       |
| 899 | 2022/12/15 | 01:42:02 | 8,484  | -74,533 | 19  | 1,4 | Achí, Bolívar                     |
| 900 | 2022/12/15 | 02:08:24 | 5,704  | -76,086 | 58  | 0,9 | El Carmen, Chocó                  |
| 901 | 2022/12/15 | 02:21:21 | 7,070  | -73,430 | 9   | 1,1 | Betulia, Santander                |
| 902 | 2022/12/15 | 02:39:27 | 6,741  | -73,146 | 134 | 1,9 | Los Santos, Santander             |
| 903 | 2022/12/15 | 02:59:25 | 3,091  | -73,732 | 19  | 1,2 | Vistahermosa, Meta                |
| 904 | 2022/12/15 | 03:15:37 | 8,383  | -75,920 | 36  | 1,4 | Montería, Córdoba                 |
| 905 | 2022/12/15 | 03:20:42 | 4,722  | -76,111 | 98  | 1,4 | Argelia, Valle del Cauca          |
| 906 | 2022/12/15 | 03:50:03 | 6,548  | -74,701 | 3   | 1,1 | Maceo, Antioquia                  |
| 907 | 2022/12/15 | 04:46:05 | 1,965  | -75,895 | 19  | 1,3 | Timaná, Huila                     |
| 908 | 2022/12/15 | 04:53:13 | 6,788  | -73,196 | 144 | 1,7 | Los Santos, Santander             |
| 909 | 2022/12/15 | 05:19:11 | 6,777  | -73,121 | 143 | 1,5 | Los Santos, Santander             |
| 910 | 2022/12/15 | 05:33:55 | 6,766  | -73,163 | 136 | 1,7 | Los Santos, Santander             |
| 911 | 2022/12/15 | 05:44:11 | 6,791  | -73,158 | 151 | 1,6 | Los Santos, Santander             |
| 912 | 2022/12/15 | 05:55:45 | 6,868  | -73,390 | 125 | 1,6 | San Vicente de Chucurí, Santander |
| 913 | 2022/12/15 | 06:36:00 | 6,788  | -73,183 | 142 | 2,5 | Los Santos, Santander             |

| N   | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|-----|------------|----------|--------|---------|-----|-----|----------------------------------|
| 914 | 2022/12/15 | 06:42:18 | 7,215  | -77,227 | 43  | 1,9 | Ríosucio, Chocó                  |
| 915 | 2022/12/15 | 07:05:00 | 6,771  | -73,150 | 133 | 1,9 | Los Santos, Santander            |
| 916 | 2022/12/15 | 07:27:45 | 3,696  | -74,006 | 13  | 1,5 | El Castillo, Meta                |
| 917 | 2022/12/15 | 07:47:15 | 3,487  | -74,256 | 7   | 0,9 | Mesetas, Meta                    |
| 918 | 2022/12/15 | 07:55:41 | 5,036  | -74,600 | 25  | 1,2 | Guaduas, Cundinamarca            |
| 919 | 2022/12/15 | 08:12:39 | 10,871 | -73,687 | 39  | 1,7 | Santa Marta, Magdalena           |
| 920 | 2022/12/15 | 08:26:15 | 4,858  | -74,551 | 19  | 0,9 | Bituima, Cundinamarca            |
| 921 | 2022/12/15 | 08:36:23 | 6,771  | -73,159 | 141 | 2,0 | Los Santos, Santander            |
| 922 | 2022/12/15 | 08:42:01 | 6,776  | -73,162 | 142 | 1,9 | Los Santos, Santander            |
| 923 | 2022/12/15 | 08:47:17 | 3,143  | -74,717 | 36  | 0,8 | Uribe, Meta                      |
| 924 | 2022/12/15 | 09:04:00 | 4,926  | -76,668 | 60  | 1,7 | Nóvita, Chocó                    |
| 925 | 2022/12/15 | 09:25:31 | 3,474  | -74,216 | 11  | 1,5 | Mesetas, Meta                    |
| 926 | 2022/12/15 | 10:15:14 | 5,745  | -75,960 | 69  | 1,2 | Betania, Antioquia               |
| 927 | 2022/12/15 | 10:34:29 | 6,775  | -73,167 | 147 | 1,9 | Los Santos, Santander            |
| 928 | 2022/12/15 | 10:51:06 | 2,470  | -79,863 | 0   | 1,8 | Océano Pacífico                  |
| 929 | 2022/12/15 | 10:54:11 | 4,347  | -76,196 | 126 | 2,0 | Bolívar, Valle del Cauca         |
| 930 | 2022/12/15 | 11:28:42 | 6,043  | -74,956 | 25  | 1,5 | San Luis, Antioquia              |
| 931 | 2022/12/15 | 12:30:11 | 3,480  | -74,220 | 1   | 0,8 | Mesetas, Meta                    |
| 932 | 2022/12/15 | 12:30:59 | 5,474  | -74,172 | 42  | 1,9 | Muzo, Boyacá                     |
| 933 | 2022/12/15 | 12:35:25 | 6,739  | -73,156 | 137 | 1,9 | Los Santos, Santander            |
| 934 | 2022/12/15 | 12:44:01 | 7,305  | -73,118 | 147 | 1,6 | Rionegro, Santander              |
| 935 | 2022/12/15 | 12:47:39 | 9,050  | -74,074 | 5   | 1,8 | El Banco, Magdalena              |
| 936 | 2022/12/15 | 13:21:12 | 6,625  | -73,176 | 151 | 1,6 | Barichara, Santander             |
| 937 | 2022/12/15 | 13:24:51 | 6,761  | -73,160 | 142 | 2,5 | Los Santos, Santander            |
| 938 | 2022/12/15 | 14:52:58 | 6,777  | -73,166 | 144 | 1,8 | Los Santos, Santander            |
| 939 | 2022/12/15 | 15:46:23 | 4,087  | -75,929 | 131 | 1,4 | Tuluá, Valle del Cauca           |
| 940 | 2022/12/15 | 16:25:45 | 6,771  | -73,120 | 128 | 1,9 | Los Santos, Santander            |
| 941 | 2022/12/15 | 17:37:33 | 3,964  | -75,579 | 17  | 1,6 | San Antonio, Tolima              |
| 942 | 2022/12/15 | 18:10:07 | 5,679  | -72,642 | 13  | 2,1 | Mongua, Boyacá                   |
| 943 | 2022/12/15 | 18:46:56 | 5,967  | -74,297 | 12  | 1,4 | Puerto Boyacá, Boyacá            |
| 944 | 2022/12/15 | 19:18:17 | 9,404  | -73,069 | 7   | 2,5 | Colombia-Venezuela               |
| 945 | 2022/12/15 | 19:19:21 | 11,751 | -77,103 | 30  | 3,0 | Mar Caribe                       |
| 946 | 2022/12/15 | 19:50:27 | 7,349  | -72,624 | 18  | 1,4 | Pamplona, Norte de Santander     |
| 947 | 2022/12/15 | 19:51:49 | 6,741  | -73,141 | 133 | 2,1 | Los Santos, Santander            |
| 948 | 2022/12/15 | 20:01:27 | 4,596  | -76,634 | 34  | 1,4 | Sipí, Chocó                      |
| 949 | 2022/12/15 | 20:12:57 | 6,915  | -76,653 | 13  | 1,7 | Murindó, Antioquia               |
| 950 | 2022/12/15 | 21:08:03 | 5,691  | -74,479 | 25  | 0,8 | Yacopí, Cundinamarca             |
| 951 | 2022/12/15 | 21:16:08 | 6,787  | -73,154 | 133 | 1,8 | Los Santos, Santander            |
| 952 | 2022/12/15 | 21:19:21 | 6,810  | -76,192 | 2   | 2,2 | Frontino, Antioquia              |
| 953 | 2022/12/15 | 21:21:50 | 6,812  | -73,168 | 139 | 2,9 | Los Santos, Santander            |
| 954 | 2022/12/15 | 21:28:51 | 7,739  | -73,296 | 126 | 1,9 | La Esperanza, Norte de Santander |
| 955 | 2022/12/15 | 21:50:13 | 6,782  | -73,130 | 138 | 2,3 | Los Santos, Santander            |
| 956 | 2022/12/15 | 22:17:41 | 4,306  | -75,215 | 16  | 1,0 | Ibagué, Tolima                   |
| 957 | 2022/12/15 | 22:50:15 | 1,990  | -77,242 | 9   | 1,4 | Leiva, Nariño                    |
| 958 | 2022/12/15 | 23:07:14 | 10,028 | -72,961 | 2   | 1,7 | Agustín Codazzi, Cesar           |
| 959 | 2022/12/15 | 23:12:29 | 6,762  | -73,167 | 135 | 2,0 | Los Santos, Santander            |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 960  | 2022/12/15 | 23:15:46 | 6,880  | -73,115 | 138 | 1,9 | Los Santos, Santander            |
| 961  | 2022/12/15 | 23:21:56 | 6,814  | -76,739 | 24  | 2,0 | Murindó, Antioquia               |
| 962  | 2022/12/16 | 00:11:54 | 4,694  | -76,172 | 101 | 1,3 | Argelia, Valle del Cauca         |
| 963  | 2022/12/16 | 00:50:09 | 4,807  | -76,026 | 112 | 1,3 | Ansermanuevo, Valle del Cauca    |
| 964  | 2022/12/16 | 01:22:12 | 7,284  | -74,940 | 48  | 1,5 | Anorí, Antioquia                 |
| 965  | 2022/12/16 | 02:15:58 | 2,024  | -75,063 | 22  | 1,4 | Puerto Rico, Caquetá             |
| 966  | 2022/12/16 | 02:29:24 | 9,191  | -73,478 | 99  | 1,6 | Curumaní, Cesar                  |
| 967  | 2022/12/16 | 03:05:45 | 6,753  | -73,153 | 136 | 1,9 | Los Santos, Santander            |
| 968  | 2022/12/16 | 03:10:09 | 6,726  | -73,217 | 145 | 1,9 | Barichara, Santander             |
| 969  | 2022/12/16 | 03:27:31 | 6,757  | -73,153 | 138 | 2,1 | Los Santos, Santander            |
| 970  | 2022/12/16 | 03:47:00 | 11,117 | -71,866 | 119 | 2,4 | Cerca de la Costa de Venezuela   |
| 971  | 2022/12/16 | 04:17:24 | 7,781  | -74,742 | 49  | 1,4 | El Bagre, Antioquia              |
| 972  | 2022/12/16 | 04:32:05 | 4,180  | -75,538 | 17  | 1,5 | Roncesvalles, Tolima             |
| 973  | 2022/12/16 | 04:49:14 | 6,791  | -73,208 | 145 | 1,7 | Zapatoca, Santander              |
| 974  | 2022/12/16 | 04:54:38 | 4,323  | -77,852 | 16  | 2,0 | Océano Pacífico                  |
| 975  | 2022/12/16 | 05:00:19 | 6,796  | -73,154 | 133 | 1,7 | Los Santos, Santander            |
| 976  | 2022/12/16 | 05:25:51 | 4,360  | -76,133 | 114 | 1,6 | Zarzal, Valle del Cauca          |
| 977  | 2022/12/16 | 05:30:06 | 6,753  | -73,138 | 143 | 2,0 | Los Santos, Santander            |
| 978  | 2022/12/16 | 05:47:24 | 10,818 | -73,653 | 44  | 1,7 | Aracataca, Magdalena             |
| 979  | 2022/12/16 | 06:04:03 | 5,130  | -73,375 | 20  | 1,7 | Pachavita, Boyacá                |
| 980  | 2022/12/16 | 06:15:38 | 6,809  | -73,244 | 139 | 1,7 | Zapatoca, Santander              |
| 981  | 2022/12/16 | 06:22:47 | 6,731  | -73,132 | 139 | 1,8 | Los Santos, Santander            |
| 982  | 2022/12/16 | 06:33:20 | 6,317  | -73,644 | 118 | 1,6 | Santa Helena del Opón, Santander |
| 983  | 2022/12/16 | 06:35:31 | 6,782  | -73,140 | 144 | 2,0 | Los Santos, Santander            |
| 984  | 2022/12/16 | 07:38:33 | 6,258  | -73,668 | 111 | 0,9 | La Paz, Santander                |
| 985  | 2022/12/16 | 07:42:01 | 0,763  | -75,935 | 11  | 2,0 | Puerto Guzmán, Putumayo          |
| 986  | 2022/12/16 | 07:42:18 | 6,801  | -73,171 | 152 | 1,8 | Los Santos, Santander            |
| 987  | 2022/12/16 | 09:07:42 | 7,338  | -76,118 | 20  | 1,2 | Ituango, Antioquia               |
| 988  | 2022/12/16 | 09:20:51 | 6,500  | -73,142 | 155 | 2,0 | San Gil, Santander               |
| 989  | 2022/12/16 | 09:31:28 | 6,797  | -73,209 | 150 | 1,5 | Zapatoca, Santander              |
| 990  | 2022/12/16 | 09:33:57 | 6,800  | -73,163 | 138 | 1,9 | Los Santos, Santander            |
| 991  | 2022/12/16 | 09:39:23 | 6,742  | -73,175 | 139 | 2,5 | Villanueva, Santander            |
| 992  | 2022/12/16 | 09:41:47 | 2,138  | -76,038 | 13  | 1,0 | La Argentina, Huila              |
| 993  | 2022/12/16 | 10:05:34 | 6,806  | -73,115 | 146 | 1,7 | Los Santos, Santander            |
| 994  | 2022/12/16 | 10:38:04 | 5,452  | -73,934 | 118 | 2,0 | Buenavista, Boyacá               |
| 995  | 2022/12/16 | 10:50:20 | 3,048  | -74,715 | 15  | 1,3 | Uribe, Meta                      |
| 996  | 2022/12/16 | 11:15:36 | 6,756  | -73,174 | 141 | 1,8 | Los Santos, Santander            |
| 997  | 2022/12/16 | 11:23:12 | 6,769  | -73,183 | 135 | 2,6 | Los Santos, Santander            |
| 998  | 2022/12/16 | 11:33:50 | 6,848  | -73,184 | 153 | 1,5 | Zapatoca, Santander              |
| 999  | 2022/12/16 | 12:13:57 | 4,191  | -75,216 | 40  | 1,3 | Valle de San Juan, Tolima        |
| 1000 | 2022/12/16 | 12:27:24 | 3,612  | -74,359 | 21  | 2,1 | Uribe, Meta                      |
| 1001 | 2022/12/16 | 13:37:37 | 6,791  | -73,344 | 136 | 1,3 | Zapatoca, Santander              |
| 1002 | 2022/12/16 | 14:04:27 | 3,886  | -76,958 | 37  | 2,1 | Buenaventura, Valle del Cauca    |
| 1003 | 2022/12/16 | 14:07:29 | 6,788  | -73,177 | 147 | 3,9 | Los Santos, Santander            |
| 1004 | 2022/12/16 | 14:36:36 | 6,740  | -73,163 | 144 | 2,1 | Los Santos, Santander            |
| 1005 | 2022/12/16 | 15:18:16 | 6,776  | -73,170 | 140 | 2,8 | Los Santos, Santander            |



| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1006 | 2022/12/16 | 15:25:11 | 8,908  | -77,144 | 30  | 2,0 | Mar Caribe                        |
| 1007 | 2022/12/16 | 16:08:10 | 6,748  | -73,125 | 140 | 2,6 | Los Santos, Santander             |
| 1008 | 2022/12/16 | 16:18:11 | 6,840  | -73,168 | 143 | 2,1 | Los Santos, Santander             |
| 1009 | 2022/12/16 | 16:50:16 | 6,754  | -73,159 | 136 | 1,6 | Los Santos, Santander             |
| 1010 | 2022/12/16 | 17:14:05 | 3,417  | -74,187 | 4   | 1,5 | Mesetas, Meta                     |
| 1011 | 2022/12/16 | 18:41:59 | 3,569  | -77,227 | 60  | 1,4 | Buenaventura, Valle del Cauca     |
| 1012 | 2022/12/16 | 19:20:09 | 7,293  | -77,062 | 20  | 2,3 | Ríosucio, Chocó                   |
| 1013 | 2022/12/16 | 19:22:48 | 6,778  | -73,151 | 135 | 2,6 | Los Santos, Santander             |
| 1014 | 2022/12/16 | 19:26:33 | 8,181  | -74,398 | 52  | 2,0 | Montecristo, Bolívar              |
| 1015 | 2022/12/16 | 21:00:52 | 4,636  | -76,003 | 73  | 1,3 | Obando, Valle del Cauca           |
| 1016 | 2022/12/16 | 21:45:33 | 6,332  | -73,704 | 109 | 1,5 | La Paz, Santander                 |
| 1017 | 2022/12/16 | 21:48:18 | 6,791  | -73,149 | 140 | 3,1 | Los Santos, Santander             |
| 1018 | 2022/12/16 | 21:59:07 | 8,129  | -75,427 | 34  | 2,4 | Buenavista, Córdoba               |
| 1019 | 2022/12/16 | 22:12:44 | 11,164 | -72,782 | 16  | 1,8 | Riohacha, La Guajira              |
| 1020 | 2022/12/16 | 22:44:49 | 5,368  | -75,590 | 14  | 0,9 | La Merced, Caldas                 |
| 1021 | 2022/12/16 | 23:15:24 | 6,744  | -73,538 | 107 | 2,0 | El Carmen, Santander              |
| 1022 | 2022/12/16 | 23:44:53 | 6,884  | -76,304 | 24  | 1,6 | Dabeiba, Antioquia                |
| 1023 | 2022/12/16 | 23:58:03 | 3,787  | -76,884 | 40  | 1,1 | Buenaventura, Valle del Cauca     |
| 1024 | 2022/12/17 | 00:06:37 | 6,747  | -73,131 | 135 | 1,6 | Los Santos, Santander             |
| 1025 | 2022/12/17 | 00:06:45 | 9,524  | -72,845 | 2   | 1,8 | Venezuela                         |
| 1026 | 2022/12/17 | 00:40:09 | 0,942  | -76,891 | 4   | 1,5 | Villagarzón, Putumayo             |
| 1027 | 2022/12/17 | 00:45:28 | 6,857  | -73,301 | 121 | 1,4 | Zapatoca, Santander               |
| 1028 | 2022/12/17 | 00:51:58 | 6,846  | -73,006 | 149 | 1,6 | Piedecuesta, Santander            |
| 1029 | 2022/12/17 | 00:58:05 | 4,746  | -75,955 | 47  | 2,1 | Cartago, Valle del Cauca          |
| 1030 | 2022/12/17 | 01:02:12 | 6,769  | -73,153 | 143 | 3,0 | Los Santos, Santander             |
| 1031 | 2022/12/17 | 01:07:50 | 4,733  | -75,935 | 50  | 1,2 | Cartago, Valle del Cauca          |
| 1032 | 2022/12/17 | 02:23:33 | 6,771  | -73,133 | 139 | 1,8 | Los Santos, Santander             |
| 1033 | 2022/12/17 | 02:27:20 | 3,626  | -74,068 | 10  | 1,2 | Lejanías, Meta                    |
| 1034 | 2022/12/17 | 03:09:59 | 6,779  | -73,171 | 130 | 1,7 | Los Santos, Santander             |
| 1035 | 2022/12/17 | 03:28:50 | 5,285  | -73,756 | 137 | 1,9 | Cucunubá, Cundinamarca            |
| 1036 | 2022/12/17 | 03:37:29 | 7,354  | -73,216 | 133 | 1,4 | Rionegro, Santander               |
| 1037 | 2022/12/17 | 03:54:33 | 6,779  | -73,201 | 138 | 1,5 | Zapatoca, Santander               |
| 1038 | 2022/12/17 | 04:03:30 | 6,454  | -71,819 | 39  | 1,4 | Tame, Arauca                      |
| 1039 | 2022/12/17 | 04:15:00 | 6,724  | -73,180 | 135 | 1,8 | Villanueva, Santander             |
| 1040 | 2022/12/17 | 04:22:37 | 4,707  | -76,109 | 86  | 1,4 | Argelia, Valle del Cauca          |
| 1041 | 2022/12/17 | 04:32:42 | 7,155  | -77,110 | 20  | 1,9 | Ríosucio, Chocó                   |
| 1042 | 2022/12/17 | 04:37:11 | 6,628  | -71,974 | 16  | 1,4 | Fortul, Arauca                    |
| 1043 | 2022/12/17 | 05:02:18 | 8,295  | -74,362 | 21  | 1,3 | Montecristo, Bolívar              |
| 1044 | 2022/12/17 | 05:13:44 | 2,874  | -79,319 | 10  | 2,3 | Océano Pacífico                   |
| 1045 | 2022/12/17 | 05:16:33 | 6,914  | -73,471 | 123 | 1,4 | San Vicente de Chucurí, Santander |
| 1046 | 2022/12/17 | 05:44:35 | 8,118  | -75,407 | 35  | 2,0 | Buenavista, Córdoba               |
| 1047 | 2022/12/17 | 05:49:06 | 6,762  | -73,150 | 138 | 1,7 | Los Santos, Santander             |
| 1048 | 2022/12/17 | 06:08:23 | 5,853  | -73,730 | 127 | 1,6 | Puente Nacional, Santander        |
| 1049 | 2022/12/17 | 06:08:58 | 7,239  | -73,115 | 152 | 1,4 | Rionegro, Santander               |
| 1050 | 2022/12/17 | 07:46:06 | 6,704  | -73,198 | 137 | 1,9 | Barichara, Santander              |
| 1051 | 2022/12/17 | 07:56:33 | 6,720  | -73,150 | 136 | 1,7 | Villanueva, Santander             |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1052 | 2022/12/17 | 08:03:00 | 6,374  | -77,055 | 56  | 1,6 | Bojayá (Bellavista), Chocó        |
| 1053 | 2022/12/17 | 08:20:51 | 6,779  | -73,150 | 133 | 1,8 | Los Santos, Santander             |
| 1054 | 2022/12/17 | 08:48:03 | 6,787  | -73,454 | 17  | 2,0 | San Vicente de Chucurí, Santander |
| 1055 | 2022/12/17 | 09:07:14 | 6,821  | -73,167 | 128 | 1,7 | Los Santos, Santander             |
| 1056 | 2022/12/17 | 09:37:16 | 4,442  | -75,076 | 29  | 1,0 | Ibagué, Tolima                    |
| 1057 | 2022/12/17 | 09:46:31 | 1,486  | -79,475 | 10  | 5,3 | Océano Pacífico                   |
| 1058 | 2022/12/17 | 09:49:20 | 1,548  | -79,517 | 17  | 4,6 | Océano Pacífico                   |
| 1059 | 2022/12/17 | 09:56:33 | 9,325  | -74,171 | 75  | 2,6 | Guamal, Magdalena                 |
| 1060 | 2022/12/17 | 10:06:38 | 1,396  | -79,367 | 0   | 2,0 | Cerca de la Costa de Ecuador      |
| 1061 | 2022/12/17 | 10:11:45 | 6,867  | -76,295 | 23  | 1,6 | Dabeiba, Antioquia                |
| 1062 | 2022/12/17 | 10:13:00 | 6,771  | -73,154 | 137 | 1,8 | Los Santos, Santander             |
| 1063 | 2022/12/17 | 10:13:44 | 1,408  | -79,374 | 5   | 2,1 | Cerca de la Costa de Ecuador      |
| 1064 | 2022/12/17 | 10:26:51 | 1,378  | -79,427 | 14  | 2,1 | Cerca de la Costa de Ecuador      |
| 1065 | 2022/12/17 | 10:27:14 | 1,400  | -79,385 | 8   | 2,3 | Cerca de la Costa de Ecuador      |
| 1066 | 2022/12/17 | 11:09:17 | 1,367  | -79,499 | 12  | 2,2 | Cerca de la Costa de Ecuador      |
| 1067 | 2022/12/17 | 11:26:07 | 6,761  | -73,593 | 109 | 1,9 | El Carmen, Santander              |
| 1068 | 2022/12/17 | 11:35:55 | 5,310  | -73,709 | 135 | 1,8 | Lenguazaque, Cundinamarca         |
| 1069 | 2022/12/17 | 11:41:02 | 1,941  | -75,947 | 25  | 1,7 | Timaná, Huila                     |
| 1070 | 2022/12/17 | 11:46:01 | 4,672  | -76,259 | 100 | 2,0 | Versalles, Valle del Cauca        |
| 1071 | 2022/12/17 | 12:02:46 | 2,969  | -79,197 | 10  | 2,1 | Océano Pacífico                   |
| 1072 | 2022/12/17 | 12:50:01 | 6,822  | -76,280 | 19  | 2,0 | Dabeiba, Antioquia                |
| 1073 | 2022/12/17 | 12:57:22 | 6,544  | -73,622 | 108 | 1,4 | Simacota, Santander               |
| 1074 | 2022/12/17 | 13:22:08 | 5,631  | -73,971 | 106 | 2,5 | Pauna, Boyacá                     |
| 1075 | 2022/12/17 | 13:27:33 | 6,792  | -73,170 | 143 | 2,3 | Los Santos, Santander             |
| 1076 | 2022/12/17 | 13:49:04 | 6,707  | -73,146 | 139 | 1,5 | Jordán, Santander                 |
| 1077 | 2022/12/17 | 14:38:38 | 6,767  | -73,142 | 134 | 2,2 | Los Santos, Santander             |
| 1078 | 2022/12/17 | 15:06:30 | 5,104  | -76,663 | 29  | 1,8 | Condoto, Chocó                    |
| 1079 | 2022/12/17 | 15:27:36 | 4,183  | -76,268 | 120 | 2,1 | Riófrío, Valle del Cauca          |
| 1080 | 2022/12/17 | 15:57:51 | 1,446  | -79,454 | 7   | 4,3 | Cerca de la Costa de Ecuador      |
| 1081 | 2022/12/17 | 16:11:47 | 6,762  | -73,176 | 134 | 1,6 | Los Santos, Santander             |
| 1082 | 2022/12/17 | 16:17:19 | 6,371  | -76,803 | 0   | 2,0 | Bojayá (Bellavista), Chocó        |
| 1083 | 2022/12/17 | 16:18:09 | 6,833  | -73,170 | 146 | 1,6 | Los Santos, Santander             |
| 1084 | 2022/12/17 | 16:41:13 | 6,813  | -73,176 | 135 | 2,2 | Los Santos, Santander             |
| 1085 | 2022/12/17 | 16:46:56 | 6,779  | -73,146 | 141 | 1,9 | Los Santos, Santander             |
| 1086 | 2022/12/17 | 17:37:16 | 6,830  | -73,586 | 99  | 1,6 | San Vicente de Chucurí, Santander |
| 1087 | 2022/12/17 | 17:56:54 | 1,495  | -79,572 | 20  | 2,3 | Océano Pacífico                   |
| 1088 | 2022/12/17 | 18:05:37 | 3,791  | -74,039 | 29  | 1,6 | Cubarral, Meta                    |
| 1089 | 2022/12/17 | 18:21:37 | 6,732  | -73,094 | 131 | 1,9 | Jordán, Santander                 |
| 1090 | 2022/12/17 | 18:34:22 | 6,774  | -73,157 | 148 | 1,8 | Los Santos, Santander             |
| 1091 | 2022/12/17 | 18:36:11 | 6,794  | -73,174 | 146 | 1,8 | Los Santos, Santander             |
| 1092 | 2022/12/17 | 19:28:31 | 10,520 | -73,711 | 75  | 1,9 | Fundación, Magdalena              |
| 1093 | 2022/12/17 | 19:34:19 | 6,791  | -73,149 | 136 | 2,6 | Los Santos, Santander             |
| 1094 | 2022/12/17 | 19:38:56 | 5,129  | -77,742 | 0   | 2,4 | Océano Pacífico                   |
| 1095 | 2022/12/17 | 19:40:44 | 7,234  | -76,394 | 24  | 1,7 | Mutatá, Antioquia                 |
| 1096 | 2022/12/17 | 19:54:25 | 7,328  | -72,554 | 15  | 1,4 | Labateca, Norte de Santander      |
| 1097 | 2022/12/17 | 20:40:38 | 1,395  | -79,405 | 24  | 2,2 | Cerca de la Costa de Ecuador      |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                            |
|------|------------|----------|-------|---------|-----|-----|--------------------------------------|
| 1098 | 2022/12/17 | 21:02:51 | 2,938 | -74,879 | 24  | 1,9 | San Vicente del Caguán, Caquetá      |
| 1099 | 2022/12/17 | 21:06:38 | 6,724 | -73,154 | 136 | 1,7 | Villanueva, Santander                |
| 1100 | 2022/12/17 | 21:10:51 | 5,011 | -76,468 | 67  | 1,5 | Nóvita, Chocó                        |
| 1101 | 2022/12/17 | 21:50:07 | 6,791 | -73,177 | 134 | 2,7 | Los Santos, Santander                |
| 1102 | 2022/12/17 | 22:01:37 | 6,782 | -73,151 | 140 | 2,6 | Los Santos, Santander                |
| 1103 | 2022/12/17 | 22:22:13 | 3,525 | -74,402 | 21  | 1,1 | Uribe, Meta                          |
| 1104 | 2022/12/17 | 22:52:16 | 6,967 | -73,323 | 91  | 1,1 | Betulia, Santander                   |
| 1105 | 2022/12/17 | 22:54:43 | 7,410 | -77,027 | 32  | 1,9 | Ríosucio, Chocó                      |
| 1106 | 2022/12/17 | 23:37:03 | 7,406 | -75,488 | 6   | 1,6 | Tarazá, Antioquia                    |
| 1107 | 2022/12/17 | 23:39:46 | 6,748 | -73,063 | 140 | 2,1 | Los Santos, Santander                |
| 1108 | 2022/12/18 | 00:02:11 | 4,505 | -73,547 | 30  | 1,5 | Medina, Cundinamarca                 |
| 1109 | 2022/12/18 | 00:11:12 | 6,721 | -73,145 | 137 | 1,9 | Jordán, Santander                    |
| 1110 | 2022/12/18 | 00:18:13 | 7,208 | -76,816 | 31  | 1,5 | Carmen del Darién (Curbaradó), Chocó |
| 1111 | 2022/12/18 | 00:38:56 | 6,767 | -73,102 | 137 | 1,9 | Los Santos, Santander                |
| 1112 | 2022/12/18 | 00:45:53 | 6,728 | -73,163 | 135 | 1,7 | Villanueva, Santander                |
| 1113 | 2022/12/18 | 00:58:15 | 4,005 | -75,574 | 6   | 1,0 | Roncesvalles, Tolima                 |
| 1114 | 2022/12/18 | 01:05:51 | 8,413 | -73,305 | 117 | 1,7 | Teorama, Norte de Santander          |
| 1115 | 2022/12/18 | 01:11:37 | 6,742 | -73,142 | 138 | 2,2 | Los Santos, Santander                |
| 1116 | 2022/12/18 | 01:17:32 | 6,026 | -73,703 | 113 | 3,5 | Vélez, Santander                     |
| 1117 | 2022/12/18 | 01:22:28 | 6,728 | -73,133 | 132 | 1,7 | Jordán, Santander                    |
| 1118 | 2022/12/18 | 01:24:35 | 2,255 | -79,760 | 0   | 2,7 | Océano Pacífico                      |
| 1119 | 2022/12/18 | 02:28:19 | 6,766 | -73,176 | 136 | 1,8 | Los Santos, Santander                |
| 1120 | 2022/12/18 | 02:52:56 | 7,769 | -75,516 | 0   | 1,5 | San Jose de Ure, Córdoba             |
| 1121 | 2022/12/18 | 02:58:56 | 4,841 | -76,209 | 94  | 2,1 | San José del Palmar, Chocó           |
| 1122 | 2022/12/18 | 03:03:02 | 6,771 | -73,176 | 135 | 1,9 | Los Santos, Santander                |
| 1123 | 2022/12/18 | 03:03:19 | 6,870 | -77,152 | 16  | 1,8 | Carmen del Darién (Curbaradó), Chocó |
| 1124 | 2022/12/18 | 03:21:32 | 6,935 | -73,038 | 149 | 2,1 | Piedecuesta, Santander               |
| 1125 | 2022/12/18 | 03:31:51 | 6,846 | -76,340 | 0   | 1,2 | Dabeiba, Antioquia                   |
| 1126 | 2022/12/18 | 04:43:54 | 5,138 | -73,172 | 3   | 1,5 | Miraflores, Boyacá                   |
| 1127 | 2022/12/18 | 05:08:02 | 5,366 | -72,837 | 14  | 1,8 | Aquitania, Boyacá                    |
| 1128 | 2022/12/18 | 05:11:48 | 6,109 | -73,724 | 117 | 1,2 | Vélez, Santander                     |
| 1129 | 2022/12/18 | 05:24:24 | 6,134 | -72,635 | 20  | 1,3 | Jericó, Boyacá                       |
| 1130 | 2022/12/18 | 05:46:12 | 2,526 | -75,764 | 12  | 1,1 | Tesalia, Huila                       |
| 1131 | 2022/12/18 | 05:54:50 | 5,937 | -76,476 | 46  | 1,4 | Quibdó, Chocó                        |
| 1132 | 2022/12/18 | 06:00:21 | 8,331 | -75,143 | 0   | 1,5 | Ayapel, Córdoba                      |
| 1133 | 2022/12/18 | 06:04:17 | 5,929 | -73,897 | 117 | 1,6 | Sucre, Santander                     |
| 1134 | 2022/12/18 | 06:17:38 | 1,585 | -79,542 | 30  | 1,8 | Océano Pacífico                      |
| 1135 | 2022/12/18 | 06:17:50 | 6,724 | -73,120 | 136 | 1,5 | Jordán, Santander                    |
| 1136 | 2022/12/18 | 06:29:44 | 3,488 | -74,428 | 0   | 0,8 | Uribe, Meta                          |
| 1137 | 2022/12/18 | 06:36:01 | 1,520 | -79,436 | 2   | 2,5 | Océano Pacífico                      |
| 1138 | 2022/12/18 | 06:43:20 | 8,235 | -73,185 | 144 | 2,0 | La Playa, Norte de Santander         |
| 1139 | 2022/12/18 | 06:45:58 | 6,749 | -73,137 | 139 | 1,8 | Los Santos, Santander                |
| 1140 | 2022/12/18 | 06:51:24 | 6,775 | -73,154 | 136 | 1,6 | Los Santos, Santander                |
| 1141 | 2022/12/18 | 06:53:37 | 3,700 | -77,955 | 8   | 1,6 | Océano Pacífico                      |
| 1142 | 2022/12/18 | 06:56:50 | 7,489 | -75,208 | 45  | 1,3 | Cáceres, Antioquia                   |
| 1143 | 2022/12/18 | 06:57:29 | 6,835 | -73,184 | 136 | 1,5 | Zapatoca, Santander                  |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 1144 | 2022/12/18 | 07:00:32 | 7,536  | -72,272 | 16  | 1,6 | Colombia-Venezuela               |
| 1145 | 2022/12/18 | 07:01:30 | 11,386 | -73,552 | 20  | 2,1 | Mar Caribe                       |
| 1146 | 2022/12/18 | 07:25:08 | 3,478  | -74,193 | 14  | 0,7 | Mesetas, Meta                    |
| 1147 | 2022/12/18 | 07:36:03 | 8,224  | -75,452 | 17  | 2,1 | Buenavista, Córdoba              |
| 1148 | 2022/12/18 | 07:38:13 | 6,800  | -73,180 | 137 | 1,5 | Los Santos, Santander            |
| 1149 | 2022/12/18 | 07:41:55 | 5,742  | -76,697 | 41  | 1,2 | Quibdó, Chocó                    |
| 1150 | 2022/12/18 | 07:47:35 | 3,362  | -74,180 | 2   | 1,0 | Mesetas, Meta                    |
| 1151 | 2022/12/18 | 07:48:04 | 7,601  | -72,773 | 12  | 1,3 | Cucutilla, Norte de Santander    |
| 1152 | 2022/12/18 | 07:53:35 | 7,735  | -73,467 | 112 | 2,3 | San Alberto, Cesar               |
| 1153 | 2022/12/18 | 08:01:38 | 6,773  | -73,153 | 139 | 1,5 | Los Santos, Santander            |
| 1154 | 2022/12/18 | 08:09:54 | 6,554  | -74,692 | 17  | 1,1 | Maceo, Antioquia                 |
| 1155 | 2022/12/18 | 08:11:20 | 6,754  | -73,176 | 139 | 1,6 | Los Santos, Santander            |
| 1156 | 2022/12/18 | 08:17:57 | 6,707  | -73,129 | 133 | 1,7 | Jordán, Santander                |
| 1157 | 2022/12/18 | 08:21:43 | 2,515  | -77,020 | 16  | 0,8 | El Tambo, Cauca                  |
| 1158 | 2022/12/18 | 08:34:39 | 2,491  | -75,906 | 52  | 1,1 | Páez (Belalcázar), Cauca         |
| 1159 | 2022/12/18 | 08:58:47 | 2,587  | -75,323 | 38  | 1,3 | Campoalegre, Huila               |
| 1160 | 2022/12/18 | 09:26:06 | 7,336  | -72,594 | 17  | 1,5 | Pamplona, Norte de Santander     |
| 1161 | 2022/12/18 | 09:44:50 | 5,415  | -76,042 | 53  | 1,0 | Mistrató, Risaralda              |
| 1162 | 2022/12/18 | 10:03:25 | 8,363  | -71,953 | 0   | 2,0 | Venezuela                        |
| 1163 | 2022/12/18 | 10:07:56 | 6,747  | -73,114 | 137 | 1,8 | Los Santos, Santander            |
| 1164 | 2022/12/18 | 11:03:13 | 6,787  | -73,150 | 146 | 1,7 | Los Santos, Santander            |
| 1165 | 2022/12/18 | 11:10:37 | 6,869  | -76,679 | 19  | 1,5 | Murindó, Antioquia               |
| 1166 | 2022/12/18 | 11:18:56 | 6,712  | -73,172 | 133 | 1,9 | Villanueva, Santander            |
| 1167 | 2022/12/18 | 11:27:07 | 9,448  | -72,928 | 7   | 1,8 | Venezuela                        |
| 1168 | 2022/12/18 | 11:42:01 | 2,378  | -75,386 | 30  | 1,3 | Algeciras, Huila                 |
| 1169 | 2022/12/18 | 12:37:32 | 7,254  | -72,259 | 14  | 1,3 | Toledo, Norte de Santander       |
| 1170 | 2022/12/18 | 13:20:34 | 6,766  | -73,120 | 141 | 2,1 | Los Santos, Santander            |
| 1171 | 2022/12/18 | 13:25:56 | 6,330  | -73,794 | 94  | 1,1 | Landázuri, Santander             |
| 1172 | 2022/12/18 | 14:22:20 | 6,804  | -73,193 | 139 | 2,1 | Zapatoca, Santander              |
| 1173 | 2022/12/18 | 14:47:47 | 6,784  | -73,179 | 143 | 2,9 | Los Santos, Santander            |
| 1174 | 2022/12/18 | 14:51:36 | 5,470  | -72,775 | 14  | 1,7 | Aquitania, Boyacá                |
| 1175 | 2022/12/18 | 15:50:53 | 6,562  | -73,346 | 27  | 1,5 | Hato, Santander                  |
| 1176 | 2022/12/18 | 15:54:50 | 6,799  | -73,171 | 144 | 1,8 | Los Santos, Santander            |
| 1177 | 2022/12/18 | 16:11:27 | 7,811  | -73,310 | 125 | 2,2 | La Esperanza, Norte de Santander |
| 1178 | 2022/12/18 | 16:26:23 | 6,765  | -73,134 | 140 | 2,0 | Los Santos, Santander            |
| 1179 | 2022/12/18 | 17:17:39 | 3,516  | -74,580 | 23  | 1,6 | Uribe, Meta                      |
| 1180 | 2022/12/18 | 17:46:35 | 3,310  | -74,352 | 17  | 1,9 | Uribe, Meta                      |
| 1181 | 2022/12/18 | 18:14:34 | 6,100  | -73,800 | 112 | 1,3 | El Peñón, Santander              |
| 1182 | 2022/12/18 | 18:17:06 | 6,802  | -73,184 | 143 | 1,6 | Los Santos, Santander            |
| 1183 | 2022/12/18 | 18:31:00 | 6,769  | -73,149 | 139 | 2,4 | Los Santos, Santander            |
| 1184 | 2022/12/18 | 18:57:08 | 5,520  | -75,643 | 91  | 1,2 | Supia, Caldas                    |
| 1185 | 2022/12/18 | 19:35:20 | 6,782  | -73,130 | 141 | 2,3 | Los Santos, Santander            |
| 1186 | 2022/12/18 | 19:40:45 | 6,804  | -73,176 | 142 | 2,0 | Los Santos, Santander            |
| 1187 | 2022/12/18 | 19:59:03 | 7,875  | -72,094 | 18  | 1,5 | Colombia-Venezuela               |
| 1188 | 2022/12/18 | 20:10:55 | 6,728  | -73,141 | 134 | 1,7 | Jordán, Santander                |
| 1189 | 2022/12/18 | 20:18:24 | 2,711  | -75,036 | 4   | 1,5 | San Vicente del Caguán, Caquetá  |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                                |
|------|------------|----------|-------|---------|-----|-----|------------------------------------------|
| 1190 | 2022/12/18 | 21:22:30 | 4,468 | -77,044 | 38  | 1,5 | Istmina, Chocó                           |
| 1191 | 2022/12/18 | 22:37:56 | 6,283 | -73,740 | 112 | 1,1 | Landázuri, Santander                     |
| 1192 | 2022/12/18 | 22:39:42 | 3,489 | -74,539 | 22  | 1,1 | Uribe, Meta                              |
| 1193 | 2022/12/18 | 22:44:11 | 5,877 | -73,637 | 102 | 1,7 | Puente Nacional, Santander               |
| 1194 | 2022/12/18 | 22:48:03 | 6,784 | -75,192 | 50  | 1,5 | Gómez Plata, Antioquia                   |
| 1195 | 2022/12/18 | 23:34:26 | 4,273 | -76,544 | 80  | 1,8 | El Litoral del San Juan (Docordó), Chocó |
| 1196 | 2022/12/19 | 00:12:44 | 7,077 | -76,285 | 16  | 1,3 | Dabeiba, Antioquia                       |
| 1197 | 2022/12/19 | 00:44:56 | 6,433 | -73,589 | 105 | 1,5 | Santa Helena del Opón, Santander         |
| 1198 | 2022/12/19 | 01:55:05 | 8,168 | -75,247 | 14  | 1,3 | Ayapel, Córdoba                          |
| 1199 | 2022/12/19 | 01:59:18 | 8,346 | -74,435 | 46  | 1,7 | Montecristo, Bolívar                     |
| 1200 | 2022/12/19 | 02:10:39 | 2,468 | -75,568 | 19  | 0,9 | Tesalia, Huila                           |
| 1201 | 2022/12/19 | 02:11:18 | 6,761 | -73,153 | 141 | 2,1 | Los Santos, Santander                    |
| 1202 | 2022/12/19 | 02:37:24 | 6,408 | -73,572 | 121 | 1,2 | Santa Helena del Opón, Santander         |
| 1203 | 2022/12/19 | 02:51:01 | 6,765 | -73,117 | 137 | 2,0 | Los Santos, Santander                    |
| 1204 | 2022/12/19 | 03:14:44 | 6,463 | -72,325 | 13  | 1,6 | Guicán, Boyacá                           |
| 1205 | 2022/12/19 | 03:51:17 | 4,293 | -75,922 | 156 | 1,5 | Sevilla, Valle del Cauca                 |
| 1206 | 2022/12/19 | 04:17:57 | 7,479 | -75,418 | 43  | 2,0 | Tarazá, Antioquia                        |
| 1207 | 2022/12/19 | 04:31:33 | 6,715 | -73,158 | 139 | 1,6 | Villanueva, Santander                    |
| 1208 | 2022/12/19 | 04:40:44 | 6,768 | -73,131 | 140 | 1,5 | Los Santos, Santander                    |
| 1209 | 2022/12/19 | 05:10:34 | 7,915 | -73,188 | 135 | 1,7 | Ábrego, Norte de Santander               |
| 1210 | 2022/12/19 | 05:17:57 | 2,648 | -79,446 | 10  | 2,2 | Océano Pacífico                          |
| 1211 | 2022/12/19 | 05:25:22 | 6,221 | -73,681 | 104 | 1,7 | Vélez, Santander                         |
| 1212 | 2022/12/19 | 05:48:35 | 6,758 | -73,146 | 136 | 1,9 | Los Santos, Santander                    |
| 1213 | 2022/12/19 | 06:15:09 | 1,916 | -75,927 | 16  | 0,8 | Timaná, Huila                            |
| 1214 | 2022/12/19 | 06:17:03 | 1,550 | -78,847 | 70  | 2,4 | Tumaco, Nariño                           |
| 1215 | 2022/12/19 | 06:22:23 | 5,427 | -73,781 | 131 | 2,3 | Fúquene, Cundinamarca                    |
| 1216 | 2022/12/19 | 06:35:30 | 6,762 | -73,201 | 142 | 1,7 | Villanueva, Santander                    |
| 1217 | 2022/12/19 | 06:46:22 | 6,484 | -74,769 | 14  | 0,6 | Maceo, Antioquia                         |
| 1218 | 2022/12/19 | 07:06:12 | 6,749 | -73,124 | 126 | 1,7 | Los Santos, Santander                    |
| 1219 | 2022/12/19 | 07:15:22 | 5,654 | -74,238 | 67  | 1,5 | Otanche, Boyacá                          |
| 1220 | 2022/12/19 | 07:20:16 | 6,778 | -73,182 | 147 | 1,6 | Los Santos, Santander                    |
| 1221 | 2022/12/19 | 08:02:09 | 3,426 | -74,166 | 0   | 0,6 | Mesetas, Meta                            |
| 1222 | 2022/12/19 | 08:25:14 | 6,808 | -73,126 | 137 | 1,6 | Los Santos, Santander                    |
| 1223 | 2022/12/19 | 08:29:09 | 2,047 | -75,820 | 13  | 1,1 | Altamira, Huila                          |
| 1224 | 2022/12/19 | 08:31:12 | 2,769 | -76,884 | 107 | 2,0 | El Tambo, Cauca                          |
| 1225 | 2022/12/19 | 09:25:20 | 6,987 | -76,258 | 21  | 2,0 | Dabeiba, Antioquia                       |
| 1226 | 2022/12/19 | 09:35:56 | 6,788 | -73,154 | 144 | 1,9 | Los Santos, Santander                    |
| 1227 | 2022/12/19 | 09:36:43 | 4,687 | -82,007 | 0   | 2,4 | Océano Pacífico                          |
| 1228 | 2022/12/19 | 09:56:39 | 6,994 | -76,268 | 17  | 1,6 | Dabeiba, Antioquia                       |
| 1229 | 2022/12/19 | 10:43:16 | 5,216 | -73,705 | 160 | 1,8 | Suesca, Cundinamarca                     |
| 1230 | 2022/12/19 | 10:55:39 | 6,732 | -73,163 | 133 | 2,4 | Villanueva, Santander                    |
| 1231 | 2022/12/19 | 12:58:09 | 6,705 | -73,114 | 138 | 1,9 | Jordán, Santander                        |
| 1232 | 2022/12/19 | 13:00:38 | 2,054 | -75,729 | 15  | 1,3 | Guadalupe, Huila                         |
| 1233 | 2022/12/19 | 13:15:34 | 2,056 | -75,735 | 11  | 1,1 | Altamira, Huila                          |
| 1234 | 2022/12/19 | 13:30:48 | 6,750 | -73,132 | 128 | 2,1 | Los Santos, Santander                    |
| 1235 | 2022/12/19 | 13:52:46 | 7,301 | -72,184 | 21  | 2,0 | Toledo, Norte de Santander               |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1236 | 2022/12/19 | 14:01:44 | 3,583  | -76,392 | 126 | 1,9 | Palmira, Valle del Cauca          |
| 1237 | 2022/12/19 | 14:13:00 | 6,418  | -73,643 | 33  | 0,9 | Santa Helena del Opón, Santander  |
| 1238 | 2022/12/19 | 14:30:22 | 6,793  | -73,168 | 139 | 2,0 | Los Santos, Santander             |
| 1239 | 2022/12/19 | 14:42:55 | 6,737  | -73,141 | 134 | 1,9 | Los Santos, Santander             |
| 1240 | 2022/12/19 | 15:00:50 | 6,055  | -73,723 | 113 | 1,1 | Vélez, Santander                  |
| 1241 | 2022/12/19 | 15:36:13 | 6,787  | -73,176 | 148 | 2,0 | Los Santos, Santander             |
| 1242 | 2022/12/19 | 15:42:56 | 6,748  | -73,155 | 136 | 2,1 | Los Santos, Santander             |
| 1243 | 2022/12/19 | 16:43:33 | 2,322  | -75,638 | 27  | 1,4 | Gigante, Huila                    |
| 1244 | 2022/12/19 | 17:26:50 | 6,779  | -73,150 | 136 | 1,7 | Los Santos, Santander             |
| 1245 | 2022/12/19 | 17:40:52 | 2,465  | -76,533 | 19  | 0,8 | Popayán, Cauca                    |
| 1246 | 2022/12/19 | 17:58:09 | 6,813  | -73,159 | 134 | 1,9 | Los Santos, Santander             |
| 1247 | 2022/12/19 | 17:59:41 | 6,772  | -73,142 | 136 | 1,9 | Los Santos, Santander             |
| 1248 | 2022/12/19 | 18:29:58 | 7,326  | -72,913 | 95  | 2,0 | Vetas, Santander                  |
| 1249 | 2022/12/19 | 18:39:09 | 6,736  | -73,123 | 139 | 2,0 | Los Santos, Santander             |
| 1250 | 2022/12/19 | 18:41:59 | 7,540  | -76,894 | 16  | 1,9 | Ríosucio, Chocó                   |
| 1251 | 2022/12/19 | 18:47:58 | 4,959  | -75,526 | 8   | 1,2 | Villamaria, Caldas                |
| 1252 | 2022/12/19 | 18:49:53 | 7,184  | -76,328 | 24  | 1,3 | Mutatá, Antioquia                 |
| 1253 | 2022/12/19 | 19:17:26 | 6,699  | -73,184 | 141 | 1,5 | Barichara, Santander              |
| 1254 | 2022/12/19 | 19:33:47 | 6,991  | -73,576 | 119 | 1,4 | San Vicente de Chucurí, Santander |
| 1255 | 2022/12/19 | 20:32:43 | 5,593  | -74,076 | 96  | 1,5 | Maripí, Boyacá                    |
| 1256 | 2022/12/19 | 20:42:15 | 3,548  | -76,953 | 15  | 0,9 | Buenaventura, Valle del Cauca     |
| 1257 | 2022/12/19 | 20:49:08 | 5,251  | -73,765 | 133 | 1,6 | Cucunubá, Cundinamarca            |
| 1258 | 2022/12/19 | 21:21:12 | 6,765  | -73,192 | 144 | 2,0 | Los Santos, Santander             |
| 1259 | 2022/12/19 | 21:44:39 | 6,715  | -73,150 | 130 | 1,8 | Villanueva, Santander             |
| 1260 | 2022/12/19 | 21:57:03 | 7,228  | -73,046 | 60  | 1,9 | Charta, Santander                 |
| 1261 | 2022/12/19 | 22:06:14 | 11,042 | -72,656 | 0   | 1,5 | Barrancas, La Guajira             |
| 1262 | 2022/12/19 | 22:45:38 | 6,766  | -73,124 | 134 | 1,7 | Los Santos, Santander             |
| 1263 | 2022/12/19 | 23:12:31 | 5,636  | -73,643 | 131 | 1,9 | Sutamarchán, Boyacá               |
| 1264 | 2022/12/19 | 23:34:34 | 6,787  | -73,159 | 143 | 1,8 | Los Santos, Santander             |
| 1265 | 2022/12/19 | 23:36:28 | 6,477  | -72,999 | 0   | 1,3 | Mogotes, Santander                |
| 1266 | 2022/12/19 | 23:36:34 | 8,512  | -72,978 | 1   | 1,7 | Tibú, Norte de Santander          |
| 1267 | 2022/12/20 | 00:10:33 | 6,919  | -75,956 | 13  | 1,0 | Buriticá, Antioquia               |
| 1268 | 2022/12/20 | 00:21:56 | 7,149  | -75,182 | 80  | 1,1 | Anorí, Antioquia                  |
| 1269 | 2022/12/20 | 00:29:21 | 6,830  | -73,155 | 149 | 1,9 | Los Santos, Santander             |
| 1270 | 2022/12/20 | 00:34:04 | 6,826  | -73,139 | 128 | 1,6 | Los Santos, Santander             |
| 1271 | 2022/12/20 | 00:35:51 | 1,402  | -79,412 | 8   | 1,9 | Cerca de la Costa de Ecuador      |
| 1272 | 2022/12/20 | 00:42:24 | 2,903  | -76,871 | 104 | 1,3 | Morales, Cauca                    |
| 1273 | 2022/12/20 | 01:44:40 | 3,777  | -76,744 | 84  | 1,3 | Dagua, Valle del Cauca            |
| 1274 | 2022/12/20 | 01:49:27 | 7,271  | -76,165 | 10  | 1,2 | Ituango, Antioquia                |
| 1275 | 2022/12/20 | 02:02:23 | 6,340  | -73,608 | 114 | 2,3 | Santa Helena del Opón, Santander  |
| 1276 | 2022/12/20 | 02:04:03 | 6,753  | -73,155 | 144 | 2,4 | Los Santos, Santander             |
| 1277 | 2022/12/20 | 02:38:37 | 5,906  | -73,788 | 105 | 1,6 | Sucre, Santander                  |
| 1278 | 2022/12/20 | 02:42:39 | 3,325  | -76,536 | 125 | 1,3 | Cali, Valle del Cauca             |
| 1279 | 2022/12/20 | 03:22:32 | 1,872  | -76,007 | 30  | 1,1 | Pitalito, Huila                   |
| 1280 | 2022/12/20 | 03:27:15 | 4,286  | -76,216 | 117 | 1,6 | Bolívar, Valle del Cauca          |
| 1281 | 2022/12/20 | 03:41:05 | 5,975  | -74,228 | 15  | 0,5 | Puerto Boyacá, Boyacá             |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 1282 | 2022/12/20 | 03:52:45 | 6,392  | -73,783 | 103 | 1,5 | Landázuri, Santander             |
| 1283 | 2022/12/20 | 04:13:34 | 3,586  | -74,395 | 11  | 1,0 | Uribe, Meta                      |
| 1284 | 2022/12/20 | 04:21:34 | 7,385  | -74,543 | 52  | 1,4 | Segovia, Antioquia               |
| 1285 | 2022/12/20 | 04:32:00 | 6,772  | -73,151 | 137 | 2,3 | Los Santos, Santander            |
| 1286 | 2022/12/20 | 04:39:59 | 6,762  | -73,116 | 135 | 1,8 | Los Santos, Santander            |
| 1287 | 2022/12/20 | 04:52:41 | 1,728  | -77,360 | 33  | 1,1 | El Rosario, Nariño               |
| 1288 | 2022/12/20 | 05:46:21 | 6,757  | -73,162 | 132 | 1,9 | Los Santos, Santander            |
| 1289 | 2022/12/20 | 06:27:40 | 6,753  | -73,151 | 137 | 1,9 | Los Santos, Santander            |
| 1290 | 2022/12/20 | 06:54:33 | 6,728  | -73,308 | 128 | 3,1 | Galán, Santander                 |
| 1291 | 2022/12/20 | 07:26:03 | 6,757  | -73,166 | 127 | 2,0 | Los Santos, Santander            |
| 1292 | 2022/12/20 | 07:27:34 | 6,740  | -73,155 | 131 | 2,0 | Los Santos, Santander            |
| 1293 | 2022/12/20 | 07:33:26 | 6,802  | -73,178 | 138 | 1,5 | Los Santos, Santander            |
| 1294 | 2022/12/20 | 07:41:46 | 6,594  | -73,420 | 123 | 1,8 | El Carmen, Santander             |
| 1295 | 2022/12/20 | 08:12:30 | 4,418  | -73,598 | 4   | 1,1 | Restrepo, Meta                   |
| 1296 | 2022/12/20 | 08:21:54 | 3,368  | -74,360 | 8   | 1,1 | Uribe, Meta                      |
| 1297 | 2022/12/20 | 08:23:34 | 1,938  | -75,938 | 19  | 0,7 | Timaná, Huila                    |
| 1298 | 2022/12/20 | 08:27:33 | 2,871  | -78,053 | 0   | 1,7 | Océano Pacífico                  |
| 1299 | 2022/12/20 | 08:29:26 | 7,151  | -73,124 | 139 | 1,8 | Bucaramanga, Santander           |
| 1300 | 2022/12/20 | 09:01:22 | 2,227  | -75,512 | 28  | 1,2 | Garzón, Huila                    |
| 1301 | 2022/12/20 | 09:03:09 | 6,779  | -73,150 | 132 | 1,6 | Los Santos, Santander            |
| 1302 | 2022/12/20 | 09:25:41 | 6,732  | -73,146 | 138 | 1,9 | Los Santos, Santander            |
| 1303 | 2022/12/20 | 09:32:32 | 6,771  | -73,103 | 130 | 1,9 | Los Santos, Santander            |
| 1304 | 2022/12/20 | 09:44:05 | 6,817  | -73,156 | 143 | 1,7 | Los Santos, Santander            |
| 1305 | 2022/12/20 | 09:46:42 | 6,812  | -73,131 | 143 | 1,6 | Los Santos, Santander            |
| 1306 | 2022/12/20 | 11:02:41 | 1,831  | -76,137 | 21  | 1,1 | Pitalito, Huila                  |
| 1307 | 2022/12/20 | 11:28:19 | 6,796  | -73,150 | 135 | 2,3 | Los Santos, Santander            |
| 1308 | 2022/12/20 | 11:29:55 | 6,762  | -73,146 | 133 | 2,0 | Los Santos, Santander            |
| 1309 | 2022/12/20 | 11:34:29 | 6,724  | -73,111 | 137 | 2,0 | Jordán, Santander                |
| 1310 | 2022/12/20 | 11:45:21 | 6,796  | -73,160 | 142 | 1,8 | Los Santos, Santander            |
| 1311 | 2022/12/20 | 12:42:48 | 6,856  | -73,155 | 145 | 1,9 | Los Santos, Santander            |
| 1312 | 2022/12/20 | 12:58:16 | 6,556  | -73,346 | 30  | 2,2 | Hato, Santander                  |
| 1313 | 2022/12/20 | 13:04:36 | 6,778  | -73,157 | 139 | 2,7 | Los Santos, Santander            |
| 1314 | 2022/12/20 | 13:09:42 | 6,765  | -73,142 | 131 | 2,5 | Los Santos, Santander            |
| 1315 | 2022/12/20 | 14:11:59 | 4,565  | -76,456 | 63  | 1,8 | Sipí, Chocó                      |
| 1316 | 2022/12/20 | 14:55:05 | 6,715  | -73,169 | 144 | 2,0 | Villanueva, Santander            |
| 1317 | 2022/12/20 | 15:17:32 | 6,402  | -73,641 | 109 | 2,6 | Santa Helena del Opón, Santander |
| 1318 | 2022/12/20 | 15:49:16 | 10,607 | -73,197 | 94  | 1,9 | Valledupar, Cesar                |
| 1319 | 2022/12/20 | 16:01:00 | 6,823  | -73,135 | 141 | 1,7 | Los Santos, Santander            |
| 1320 | 2022/12/20 | 19:08:04 | 6,158  | -73,858 | 96  | 1,2 | Bolívar, Santander               |
| 1321 | 2022/12/20 | 20:05:35 | 1,947  | -76,004 | 9   | 3,7 | Pitalito, Huila                  |
| 1322 | 2022/12/20 | 20:10:07 | 7,364  | -78,028 | 12  | 3,2 | Panamá                           |
| 1323 | 2022/12/20 | 20:11:19 | 1,970  | -76,006 | 23  | 1,4 | Elías, Huila                     |
| 1324 | 2022/12/20 | 20:11:55 | 6,771  | -73,150 | 134 | 2,1 | Los Santos, Santander            |
| 1325 | 2022/12/20 | 20:13:14 | 4,934  | -73,234 | 11  | 1,6 | Santa María, Boyacá              |
| 1326 | 2022/12/20 | 20:19:51 | 1,887  | -75,990 | 22  | 1,5 | Timaná, Huila                    |
| 1327 | 2022/12/20 | 20:37:08 | 1,953  | -76,018 | 20  | 1,0 | Pitalito, Huila                  |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|-------|---------|-----|-----|-----------------------------------|
| 1328 | 2022/12/20 | 20:55:36 | 6,088 | -72,449 | 17  | 1,7 | Chita, Boyacá                     |
| 1329 | 2022/12/20 | 20:58:40 | 6,855 | -73,167 | 143 | 1,8 | Los Santos, Santander             |
| 1330 | 2022/12/20 | 21:49:14 | 1,958 | -76,003 | 28  | 1,0 | Pitalito, Huila                   |
| 1331 | 2022/12/20 | 21:49:32 | 1,943 | -76,058 | 32  | 1,1 | Pitalito, Huila                   |
| 1332 | 2022/12/20 | 21:54:59 | 5,911 | -74,865 | 0   | 0,9 | San Francisco, Antioquia          |
| 1333 | 2022/12/20 | 22:03:31 | 6,727 | -73,085 | 131 | 1,9 | Jordán, Santander                 |
| 1334 | 2022/12/20 | 22:16:08 | 6,711 | -73,124 | 134 | 1,9 | Jordán, Santander                 |
| 1335 | 2022/12/20 | 22:21:29 | 5,212 | -72,937 | 13  | 1,5 | Chámeza, Casanare                 |
| 1336 | 2022/12/20 | 22:28:26 | 6,775 | -73,184 | 133 | 1,7 | Los Santos, Santander             |
| 1337 | 2022/12/20 | 22:31:15 | 1,963 | -76,007 | 19  | 1,1 | Elías, Huila                      |
| 1338 | 2022/12/20 | 22:35:55 | 1,946 | -76,020 | 19  | 1,4 | Pitalito, Huila                   |
| 1339 | 2022/12/20 | 23:26:30 | 6,725 | -73,125 | 137 | 1,8 | Jordán, Santander                 |
| 1340 | 2022/12/21 | 00:28:43 | 5,263 | -73,760 | 132 | 1,7 | Cucunubá, Cundinamarca            |
| 1341 | 2022/12/21 | 00:33:32 | 7,311 | -75,604 | 55  | 1,7 | Ituango, Antioquia                |
| 1342 | 2022/12/21 | 00:45:49 | 6,884 | -73,428 | 117 | 1,9 | San Vicente de Chucurí, Santander |
| 1343 | 2022/12/21 | 00:49:15 | 1,958 | -76,010 | 19  | 1,1 | Elías, Huila                      |
| 1344 | 2022/12/21 | 01:21:24 | 4,902 | -75,966 | 120 | 1,4 | Balboa, Risaralda                 |
| 1345 | 2022/12/21 | 02:06:44 | 6,682 | -73,197 | 141 | 1,7 | Barichara, Santander              |
| 1346 | 2022/12/21 | 02:07:08 | 4,733 | -78,311 | 15  | 1,8 | Océano Pacífico                   |
| 1347 | 2022/12/21 | 02:12:45 | 6,775 | -73,171 | 137 | 1,8 | Los Santos, Santander             |
| 1348 | 2022/12/21 | 02:15:05 | 1,715 | -75,971 | 23  | 1,0 | Acevedo, Huila                    |
| 1349 | 2022/12/21 | 02:19:09 | 5,191 | -73,098 | 26  | 1,9 | Berbeo, Boyacá                    |
| 1350 | 2022/12/21 | 02:26:11 | 5,176 | -73,138 | 17  | 1,5 | Miraflores, Boyacá                |
| 1351 | 2022/12/21 | 02:45:18 | 5,268 | -77,855 | 10  | 1,8 | Océano Pacífico                   |
| 1352 | 2022/12/21 | 03:25:42 | 6,817 | -73,142 | 140 | 1,5 | Los Santos, Santander             |
| 1353 | 2022/12/21 | 03:30:28 | 7,257 | -73,795 | 24  | 1,2 | Puerto Wilches, Santander         |
| 1354 | 2022/12/21 | 03:41:00 | 5,326 | -74,046 | 108 | 1,6 | San Cayetano, Cundinamarca        |
| 1355 | 2022/12/21 | 03:52:56 | 6,707 | -73,146 | 135 | 1,9 | Jordán, Santander                 |
| 1356 | 2022/12/21 | 04:16:22 | 6,611 | -73,333 | 128 | 1,6 | Galán, Santander                  |
| 1357 | 2022/12/21 | 04:19:16 | 1,958 | -76,018 | 31  | 1,3 | Pitalito, Huila                   |
| 1358 | 2022/12/21 | 04:34:20 | 1,951 | -76,022 | 32  | 3,5 | Pitalito, Huila                   |
| 1359 | 2022/12/21 | 04:36:35 | 1,977 | -76,014 | 20  | 1,8 | Elías, Huila                      |
| 1360 | 2022/12/21 | 04:39:38 | 1,956 | -75,982 | 17  | 0,8 | Tímaná, Huila                     |
| 1361 | 2022/12/21 | 04:44:04 | 1,958 | -76,008 | 23  | 1,0 | Elías, Huila                      |
| 1362 | 2022/12/21 | 04:44:52 | 6,828 | -73,152 | 141 | 1,9 | Los Santos, Santander             |
| 1363 | 2022/12/21 | 04:55:25 | 6,762 | -73,096 | 144 | 1,8 | Los Santos, Santander             |
| 1364 | 2022/12/21 | 05:03:12 | 6,718 | -72,995 | 143 | 1,9 | Aratoca, Santander                |
| 1365 | 2022/12/21 | 05:16:22 | 1,958 | -76,010 | 20  | 0,6 | Elías, Huila                      |
| 1366 | 2022/12/21 | 05:22:28 | 1,948 | -76,016 | 24  | 0,9 | Pitalito, Huila                   |
| 1367 | 2022/12/21 | 05:25:45 | 6,786 | -73,164 | 140 | 2,4 | Los Santos, Santander             |
| 1368 | 2022/12/21 | 05:38:38 | 1,956 | -76,026 | 32  | 2,5 | Pitalito, Huila                   |
| 1369 | 2022/12/21 | 05:48:17 | 6,758 | -73,176 | 134 | 1,6 | Los Santos, Santander             |
| 1370 | 2022/12/21 | 06:32:54 | 6,774 | -73,168 | 135 | 2,5 | Los Santos, Santander             |
| 1371 | 2022/12/21 | 06:36:58 | 6,817 | -73,187 | 154 | 1,7 | Zapatoca, Santander               |
| 1372 | 2022/12/21 | 06:37:41 | 4,644 | -74,729 | 22  | 1,4 | Pulí, Cundinamarca                |
| 1373 | 2022/12/21 | 06:48:45 | 6,362 | -73,630 | 110 | 1,8 | Santa Helena del Opón, Santander  |



| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|------|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 1374 | 2022/12/21 | 07:27:31 | 6,732  | -73,176 | 136 | 1,7 | Villanueva, Santander                |
| 1375 | 2022/12/21 | 07:33:01 | 6,765  | -73,145 | 139 | 2,0 | Los Santos, Santander                |
| 1376 | 2022/12/21 | 07:39:00 | 7,150  | -73,655 | 122 | 2,8 | Barrancabermeja, Santander           |
| 1377 | 2022/12/21 | 07:52:22 | 6,783  | -73,189 | 139 | 2,5 | Los Santos, Santander                |
| 1378 | 2022/12/21 | 07:57:47 | 5,049  | -74,568 | 22  | 1,9 | Guaduas, Cundinamarca                |
| 1379 | 2022/12/21 | 08:29:44 | 1,946  | -76,012 | 23  | 0,8 | Pitalito, Huila                      |
| 1380 | 2022/12/21 | 09:14:37 | 5,418  | -75,738 | 54  | 1,2 | Ríosucio, Caldas                     |
| 1381 | 2022/12/21 | 09:25:34 | 6,851  | -73,180 | 148 | 1,9 | Zapatoca, Santander                  |
| 1382 | 2022/12/21 | 09:27:42 | 7,254  | -76,975 | 31  | 2,0 | Carmen del Darién (Curbaradó), Chocó |
| 1383 | 2022/12/21 | 09:38:30 | 7,148  | -76,145 | 10  | 1,6 | Ituango, Antioquia                   |
| 1384 | 2022/12/21 | 09:48:26 | 10,586 | -73,455 | 86  | 2,5 | Valledupar, Cesar                    |
| 1385 | 2022/12/21 | 09:55:27 | 6,711  | -73,180 | 131 | 2,0 | Villanueva, Santander                |
| 1386 | 2022/12/21 | 10:00:48 | 6,694  | -73,116 | 127 | 1,7 | Jordán, Santander                    |
| 1387 | 2022/12/21 | 10:16:51 | 6,822  | -76,181 | 15  | 1,3 | Frontino, Antioquia                  |
| 1388 | 2022/12/21 | 10:36:25 | 6,754  | -73,141 | 135 | 1,8 | Los Santos, Santander                |
| 1389 | 2022/12/21 | 10:48:42 | 9,403  | -72,884 | 157 | 3,3 | Venezuela                            |
| 1390 | 2022/12/21 | 11:13:34 | 6,888  | -76,257 | 1   | 1,4 | Dabeiba, Antioquia                   |
| 1391 | 2022/12/21 | 11:34:39 | 6,858  | -76,302 | 20  | 1,7 | Dabeiba, Antioquia                   |
| 1392 | 2022/12/21 | 12:32:38 | 6,728  | -73,154 | 139 | 2,1 | Villanueva, Santander                |
| 1393 | 2022/12/21 | 12:41:37 | 6,745  | -73,116 | 128 | 1,9 | Los Santos, Santander                |
| 1394 | 2022/12/21 | 12:49:43 | 6,776  | -73,144 | 138 | 1,6 | Los Santos, Santander                |
| 1395 | 2022/12/21 | 13:33:33 | 6,723  | -73,134 | 135 | 2,2 | Jordán, Santander                    |
| 1396 | 2022/12/21 | 13:55:10 | 6,760  | -73,178 | 142 | 1,7 | Los Santos, Santander                |
| 1397 | 2022/12/21 | 13:56:30 | 6,793  | -73,170 | 133 | 2,4 | Los Santos, Santander                |
| 1398 | 2022/12/21 | 14:06:42 | 6,199  | -73,415 | 128 | 1,8 | Guadalupe, Santander                 |
| 1399 | 2022/12/21 | 15:20:23 | 6,855  | -73,147 | 137 | 2,0 | Los Santos, Santander                |
| 1400 | 2022/12/21 | 15:30:55 | 6,765  | -73,179 | 139 | 2,2 | Los Santos, Santander                |
| 1401 | 2022/12/21 | 16:09:26 | 5,286  | -73,714 | 132 | 2,2 | Lenguazaque, Cundinamarca            |
| 1402 | 2022/12/21 | 16:32:42 | 3,455  | -74,763 | 39  | 1,2 | Dolores, Tolima                      |
| 1403 | 2022/12/21 | 16:45:05 | 1,954  | -76,018 | 1   | 1,8 | Pitalito, Huila                      |
| 1404 | 2022/12/21 | 17:51:45 | 6,761  | -73,147 | 141 | 1,9 | Los Santos, Santander                |
| 1405 | 2022/12/21 | 17:54:15 | 11,190 | -72,556 | 0   | 1,9 | Albania, La Guajira                  |
| 1406 | 2022/12/21 | 18:14:00 | 3,511  | -74,210 | 13  | 2,0 | Mesetas, Meta                        |
| 1407 | 2022/12/21 | 18:23:08 | 5,652  | -73,939 | 106 | 1,7 | Briceño, Boyacá                      |
| 1408 | 2022/12/21 | 18:28:43 | 9,351  | -73,687 | 33  | 1,6 | Chiriguáná, Cesar                    |
| 1409 | 2022/12/21 | 18:53:51 | 7,288  | -76,956 | 37  | 3,9 | Carmen del Darién (Curbaradó), Chocó |
| 1410 | 2022/12/21 | 19:36:36 | 6,699  | -73,154 | 137 | 1,9 | Villanueva, Santander                |
| 1411 | 2022/12/21 | 20:09:21 | 6,721  | -73,185 | 139 | 1,9 | Villanueva, Santander                |
| 1412 | 2022/12/21 | 20:24:42 | 6,805  | -73,164 | 138 | 2,5 | Los Santos, Santander                |
| 1413 | 2022/12/21 | 21:06:57 | 6,325  | -73,602 | 109 | 1,7 | Santa Helena del Opón, Santander     |
| 1414 | 2022/12/21 | 21:26:51 | 6,780  | -73,149 | 135 | 2,2 | Los Santos, Santander                |
| 1415 | 2022/12/21 | 21:40:14 | 6,766  | -73,141 | 133 | 1,8 | Los Santos, Santander                |
| 1416 | 2022/12/21 | 22:24:48 | 5,149  | -74,870 | 46  | 1,5 | Honda, Tolima                        |
| 1417 | 2022/12/21 | 22:38:21 | 7,558  | -73,124 | 146 | 1,9 | El Playón, Santander                 |
| 1418 | 2022/12/21 | 22:57:54 | 2,888  | -74,828 | 39  | 1,5 | San Vicente del Caguán, Caquetá      |
| 1419 | 2022/12/21 | 23:18:19 | 6,748  | -73,109 | 134 | 1,8 | Los Santos, Santander                |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                            |
|------|------------|----------|-------|---------|-----|-----|--------------------------------------|
| 1420 | 2022/12/21 | 23:33:11 | 5,248 | -73,753 | 128 | 1,7 | Cucunubá, Cundinamarca               |
| 1421 | 2022/12/21 | 23:42:12 | 7,256 | -76,978 | 38  | 2,4 | Carmen del Darién (Curbaradó), Chocó |
| 1422 | 2022/12/22 | 00:18:06 | 3,698 | -74,181 | 18  | 1,5 | Lejanías, Meta                       |
| 1423 | 2022/12/22 | 00:48:49 | 5,349 | -74,800 | 20  | 0,8 | Victoria, Caldas                     |
| 1424 | 2022/12/22 | 00:50:57 | 1,967 | -76,014 | 26  | 0,9 | Elías, Huila                         |
| 1425 | 2022/12/22 | 01:02:38 | 7,699 | -74,645 | 50  | 1,6 | El Bagre, Antioquia                  |
| 1426 | 2022/12/22 | 01:05:18 | 6,769 | -73,145 | 139 | 1,8 | Los Santos, Santander                |
| 1427 | 2022/12/22 | 01:16:00 | 6,878 | -73,419 | 136 | 1,3 | San Vicente de Chucurí, Santander    |
| 1428 | 2022/12/22 | 01:42:15 | 5,254 | -73,729 | 132 | 2,0 | Lenguazaque, Cundinamarca            |
| 1429 | 2022/12/22 | 01:47:01 | 1,952 | -75,946 | 27  | 0,7 | Timaná, Huila                        |
| 1430 | 2022/12/22 | 02:13:52 | 3,431 | -75,193 | 37  | 1,3 | Natagaima, Tolima                    |
| 1431 | 2022/12/22 | 02:26:44 | 7,309 | -76,974 | 28  | 1,8 | Ríosucio, Chocó                      |
| 1432 | 2022/12/22 | 02:27:52 | 6,762 | -73,184 | 141 | 1,8 | Los Santos, Santander                |
| 1433 | 2022/12/22 | 02:44:33 | 6,762 | -73,116 | 122 | 1,8 | Los Santos, Santander                |
| 1434 | 2022/12/22 | 02:52:35 | 6,761 | -73,104 | 133 | 1,6 | Los Santos, Santander                |
| 1435 | 2022/12/22 | 03:42:11 | 2,521 | -75,528 | 29  | 1,3 | Hobo, Huila                          |
| 1436 | 2022/12/22 | 03:45:49 | 6,779 | -73,120 | 141 | 1,9 | Los Santos, Santander                |
| 1437 | 2022/12/22 | 03:50:21 | 4,038 | -76,277 | 122 | 1,6 | San Pedro, Valle del Cauca           |
| 1438 | 2022/12/22 | 04:26:58 | 4,671 | -74,808 | 31  | 1,0 | Beltrán, Cundinamarca                |
| 1439 | 2022/12/22 | 04:27:10 | 6,810 | -73,127 | 143 | 2,0 | Los Santos, Santander                |
| 1440 | 2022/12/22 | 04:33:24 | 6,802 | -73,152 | 150 | 2,6 | Los Santos, Santander                |
| 1441 | 2022/12/22 | 04:36:28 | 6,758 | -73,176 | 142 | 1,8 | Los Santos, Santander                |
| 1442 | 2022/12/22 | 05:01:43 | 6,755 | -73,149 | 139 | 1,7 | Los Santos, Santander                |
| 1443 | 2022/12/22 | 05:09:34 | 7,659 | -74,897 | 23  | 1,0 | Zaragoza, Antioquia                  |
| 1444 | 2022/12/22 | 05:21:26 | 6,075 | -76,594 | 44  | 1,9 | Medio Atrato (Beté), Chocó           |
| 1445 | 2022/12/22 | 05:23:55 | 1,945 | -76,022 | 31  | 2,2 | Pitalito, Huila                      |
| 1446 | 2022/12/22 | 05:26:02 | 1,958 | -76,014 | 30  | 1,8 | Pitalito, Huila                      |
| 1447 | 2022/12/22 | 05:36:23 | 4,030 | -75,632 | 16  | 1,4 | Roncesvalles, Tolima                 |
| 1448 | 2022/12/22 | 05:40:41 | 6,745 | -73,129 | 131 | 1,7 | Los Santos, Santander                |
| 1449 | 2022/12/22 | 06:24:53 | 2,371 | -75,649 | 29  | 1,7 | Paicol, Huila                        |
| 1450 | 2022/12/22 | 06:34:50 | 7,070 | -73,108 | 140 | 1,8 | Floridablanca, Santander             |
| 1451 | 2022/12/22 | 06:44:14 | 3,427 | -74,194 | 12  | 1,4 | Mesetas, Meta                        |
| 1452 | 2022/12/22 | 06:48:46 | 1,970 | -76,004 | 16  | 0,9 | Elías, Huila                         |
| 1453 | 2022/12/22 | 07:23:07 | 3,458 | -74,217 | 9   | 1,1 | Mesetas, Meta                        |
| 1454 | 2022/12/22 | 07:32:06 | 5,295 | -73,889 | 138 | 1,8 | Carmen de Carupa, Cundinamarca       |
| 1455 | 2022/12/22 | 07:34:00 | 6,748 | -73,136 | 136 | 1,9 | Los Santos, Santander                |
| 1456 | 2022/12/22 | 07:45:05 | 6,306 | -76,125 | 43  | 1,4 | Urrao, Antioquia                     |
| 1457 | 2022/12/22 | 08:01:53 | 6,793 | -73,149 | 139 | 1,9 | Los Santos, Santander                |
| 1458 | 2022/12/22 | 08:14:50 | 3,450 | -74,188 | 5   | 0,8 | Mesetas, Meta                        |
| 1459 | 2022/12/22 | 09:23:09 | 2,457 | -75,550 | 30  | 1,4 | Gigante, Huila                       |
| 1460 | 2022/12/22 | 09:46:01 | 6,793 | -73,160 | 136 | 2,0 | Los Santos, Santander                |
| 1461 | 2022/12/22 | 09:57:27 | 4,235 | -73,734 | 0   | 1,0 | Villavicencio, Meta                  |
| 1462 | 2022/12/22 | 10:21:16 | 6,784 | -73,160 | 142 | 2,6 | Los Santos, Santander                |
| 1463 | 2022/12/22 | 10:39:37 | 6,756 | -73,148 | 133 | 1,6 | Los Santos, Santander                |
| 1464 | 2022/12/22 | 10:44:57 | 6,707 | -73,146 | 132 | 1,6 | Jordán, Santander                    |
| 1465 | 2022/12/22 | 10:50:34 | 6,791 | -73,162 | 145 | 2,4 | Los Santos, Santander                |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                           |
|------|------------|----------|-------|---------|-----|-----|-------------------------------------|
| 1466 | 2022/12/22 | 11:53:15 | 6,758 | -73,099 | 136 | 2,0 | Los Santos, Santander               |
| 1467 | 2022/12/22 | 12:07:30 | 6,810 | -73,162 | 141 | 2,8 | Los Santos, Santander               |
| 1468 | 2022/12/22 | 12:27:15 | 7,158 | -74,425 | 31  | 1,2 | Remedios, Antioquia                 |
| 1469 | 2022/12/22 | 13:14:40 | 5,250 | -73,706 | 149 | 2,8 | Lenguazaque, Cundinamarca           |
| 1470 | 2022/12/22 | 14:32:47 | 6,821 | -73,094 | 134 | 1,9 | Los Santos, Santander               |
| 1471 | 2022/12/22 | 15:32:16 | 6,644 | -73,300 | 126 | 2,0 | Galán, Santander                    |
| 1472 | 2022/12/22 | 15:42:20 | 6,783 | -73,179 | 143 | 1,7 | Los Santos, Santander               |
| 1473 | 2022/12/22 | 15:51:35 | 6,801 | -73,206 | 146 | 1,9 | Zapatoca, Santander                 |
| 1474 | 2022/12/22 | 16:50:16 | 5,268 | -73,749 | 147 | 1,7 | Cucunubá, Cundinamarca              |
| 1475 | 2022/12/22 | 17:20:27 | 3,932 | -75,324 | 13  | 1,4 | Ortega, Tolima                      |
| 1476 | 2022/12/22 | 17:22:46 | 2,560 | -78,193 | 10  | 2,5 | La Tola, Nariño                     |
| 1477 | 2022/12/22 | 17:30:57 | 6,824 | -73,166 | 130 | 2,2 | Los Santos, Santander               |
| 1478 | 2022/12/22 | 17:36:51 | 6,829 | -73,182 | 144 | 1,7 | Zapatoca, Santander                 |
| 1479 | 2022/12/22 | 17:42:08 | 6,776 | -73,171 | 140 | 1,7 | Los Santos, Santander               |
| 1480 | 2022/12/22 | 17:44:02 | 6,961 | -73,125 | 156 | 1,7 | Girón, Santander                    |
| 1481 | 2022/12/22 | 18:11:03 | 1,787 | -76,273 | 16  | 1,1 | San Agustín, Huila                  |
| 1482 | 2022/12/22 | 18:29:18 | 6,364 | -73,476 | 75  | 1,2 | Chima, Santander                    |
| 1483 | 2022/12/22 | 18:29:30 | 6,608 | -73,108 | 100 | 1,6 | San Gil, Santander                  |
| 1484 | 2022/12/22 | 18:35:12 | 6,786 | -73,263 | 149 | 1,8 | Zapatoca, Santander                 |
| 1485 | 2022/12/22 | 18:43:13 | 6,786 | -73,187 | 140 | 3,6 | Los Santos, Santander               |
| 1486 | 2022/12/22 | 18:56:33 | 6,830 | -73,201 | 139 | 1,9 | Zapatoca, Santander                 |
| 1487 | 2022/12/22 | 19:04:16 | 6,746 | -73,153 | 140 | 2,5 | Los Santos, Santander               |
| 1488 | 2022/12/22 | 19:27:08 | 2,017 | -75,749 | 13  | 1,2 | Guadalupe, Huila                    |
| 1489 | 2022/12/22 | 19:49:00 | 5,195 | -77,069 | 16  | 1,6 | Medio Baudó(Boca de Pepé), Chocó    |
| 1490 | 2022/12/22 | 19:53:46 | 6,776 | -73,170 | 135 | 2,3 | Los Santos, Santander               |
| 1491 | 2022/12/22 | 20:02:46 | 6,690 | -73,129 | 139 | 2,0 | Villanueva, Santander               |
| 1492 | 2022/12/22 | 20:13:32 | 8,821 | -73,312 | 125 | 2,0 | El Carmen, Norte de Santander       |
| 1493 | 2022/12/22 | 20:24:31 | 6,769 | -73,132 | 135 | 2,1 | Los Santos, Santander               |
| 1494 | 2022/12/22 | 20:26:38 | 1,373 | -79,386 | 9   | 2,0 | Cerca de la Costa de Ecuador        |
| 1495 | 2022/12/22 | 21:08:31 | 7,268 | -74,163 | 1   | 1,4 | Cantagallo, Bolívar                 |
| 1496 | 2022/12/22 | 21:19:38 | 5,238 | -76,652 | 49  | 1,5 | Unión Panamericana ( Animas), Chocó |
| 1497 | 2022/12/22 | 21:27:54 | 6,862 | -73,313 | 123 | 2,6 | Zapatoca, Santander                 |
| 1498 | 2022/12/22 | 21:47:05 | 6,749 | -73,163 | 134 | 1,8 | Los Santos, Santander               |
| 1499 | 2022/12/22 | 22:27:32 | 6,960 | -73,438 | 31  | 1,4 | Zapatoca, Santander                 |
| 1500 | 2022/12/22 | 23:39:02 | 3,607 | -74,427 | 22  | 0,8 | Uribe, Meta                         |
| 1501 | 2022/12/23 | 00:17:33 | 6,509 | -74,004 | 22  | 2,9 | Cimitarra, Santander                |
| 1502 | 2022/12/23 | 00:22:41 | 8,292 | -75,358 | 0   | 1,8 | Buenavista, Córdoba                 |
| 1503 | 2022/12/23 | 00:29:15 | 5,237 | -73,754 | 145 | 1,5 | Cucunubá, Cundinamarca              |
| 1504 | 2022/12/23 | 01:14:52 | 2,502 | -76,009 | 22  | 1,2 | Inzá, Cauca                         |
| 1505 | 2022/12/23 | 01:25:28 | 6,715 | -73,176 | 142 | 1,8 | Villanueva, Santander               |
| 1506 | 2022/12/23 | 01:27:29 | 4,071 | -76,250 | 101 | 1,6 | Tuluá, Valle del Cauca              |
| 1507 | 2022/12/23 | 01:44:54 | 3,676 | -74,166 | 10  | 0,9 | Lejanías, Meta                      |
| 1508 | 2022/12/23 | 02:27:25 | 4,547 | -76,165 | 77  | 1,7 | La Unión, Valle del Cauca           |
| 1509 | 2022/12/23 | 02:31:38 | 5,891 | -73,653 | 113 | 1,7 | Puente Nacional, Santander          |
| 1510 | 2022/12/23 | 02:41:59 | 6,749 | -73,167 | 139 | 2,5 | Los Santos, Santander               |
| 1511 | 2022/12/23 | 02:57:10 | 4,424 | -76,817 | 74  | 1,5 | Istmina, Chocó                      |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|-------|---------|-----|-----|-----------------------------------|
| 1512 | 2022/12/23 | 03:12:55 | 4,644 | -76,101 | 96  | 1,9 | Toro, Valle del Cauca             |
| 1513 | 2022/12/23 | 03:21:12 | 6,734 | -73,192 | 148 | 1,7 | Villanueva, Santander             |
| 1514 | 2022/12/23 | 03:24:38 | 2,342 | -75,578 | 28  | 1,5 | Gigante, Huila                    |
| 1515 | 2022/12/23 | 03:40:53 | 4,701 | -74,757 | 19  | 1,0 | Pulí, Cundinamarca                |
| 1516 | 2022/12/23 | 03:47:51 | 6,388 | -76,724 | 45  | 1,5 | Vigia del Fuerte, Antioquia       |
| 1517 | 2022/12/23 | 03:47:58 | 9,722 | -72,821 | 9   | 1,7 | Venezuela                         |
| 1518 | 2022/12/23 | 03:48:13 | 3,125 | -74,613 | 32  | 1,2 | Uribe, Meta                       |
| 1519 | 2022/12/23 | 03:51:41 | 1,868 | -76,392 | 13  | 0,8 | San Agustín, Huila                |
| 1520 | 2022/12/23 | 03:52:08 | 6,564 | -73,550 | 110 | 1,4 | El Carmen, Santander              |
| 1521 | 2022/12/23 | 03:55:57 | 3,883 | -76,207 | 132 | 1,5 | Buga, Valle del Cauca             |
| 1522 | 2022/12/23 | 04:02:49 | 6,749 | -73,154 | 138 | 1,7 | Los Santos, Santander             |
| 1523 | 2022/12/23 | 04:06:06 | 6,542 | -73,581 | 100 | 1,4 | El Carmen, Santander              |
| 1524 | 2022/12/23 | 04:34:18 | 6,712 | -73,136 | 133 | 1,8 | Jordán, Santander                 |
| 1525 | 2022/12/23 | 05:05:28 | 6,750 | -73,134 | 136 | 1,9 | Los Santos, Santander             |
| 1526 | 2022/12/23 | 05:05:39 | 2,014 | -75,824 | 28  | 1,8 | Altamira, Huila                   |
| 1527 | 2022/12/23 | 05:16:05 | 4,306 | -75,093 | 16  | 1,1 | Ibagué, Tolima                    |
| 1528 | 2022/12/23 | 05:27:12 | 4,201 | -75,837 | 18  | 1,3 | Sevilla, Valle del Cauca          |
| 1529 | 2022/12/23 | 05:38:04 | 3,461 | -74,204 | 9   | 1,0 | Mesetas, Meta                     |
| 1530 | 2022/12/23 | 06:11:16 | 5,613 | -74,069 | 111 | 1,2 | Maripí, Boyacá                    |
| 1531 | 2022/12/23 | 06:42:50 | 5,411 | -72,747 | 16  | 1,3 | Pajarito, Boyacá                  |
| 1532 | 2022/12/23 | 06:55:03 | 6,758 | -73,163 | 134 | 1,5 | Los Santos, Santander             |
| 1533 | 2022/12/23 | 07:00:29 | 5,236 | -75,644 | 89  | 1,4 | Filadelfia, Caldas                |
| 1534 | 2022/12/23 | 07:01:27 | 6,730 | -73,148 | 136 | 1,6 | Villanueva, Santander             |
| 1535 | 2022/12/23 | 07:10:22 | 5,444 | -72,751 | 21  | 1,5 | Pajarito, Boyacá                  |
| 1536 | 2022/12/23 | 07:25:26 | 2,098 | -75,684 | 28  | 0,8 | Garzón, Huila                     |
| 1537 | 2022/12/23 | 07:39:25 | 6,800 | -73,176 | 137 | 1,8 | Los Santos, Santander             |
| 1538 | 2022/12/23 | 07:40:37 | 6,672 | -73,493 | 119 | 1,5 | El Carmen, Santander              |
| 1539 | 2022/12/23 | 07:51:18 | 6,737 | -73,141 | 131 | 1,7 | Los Santos, Santander             |
| 1540 | 2022/12/23 | 07:58:45 | 5,252 | -73,777 | 139 | 1,6 | Cucunubá, Cundinamarca            |
| 1541 | 2022/12/23 | 08:10:58 | 6,750 | -73,136 | 135 | 1,8 | Los Santos, Santander             |
| 1542 | 2022/12/23 | 08:22:43 | 6,783 | -73,180 | 144 | 1,8 | Los Santos, Santander             |
| 1543 | 2022/12/23 | 08:25:31 | 6,834 | -73,361 | 127 | 1,6 | San Vicente de Chucurí, Santander |
| 1544 | 2022/12/23 | 08:40:27 | 3,457 | -74,403 | 10  | 0,8 | Uribe, Meta                       |
| 1545 | 2022/12/23 | 08:51:48 | 6,463 | -76,746 | 28  | 1,5 | Vigia del Fuerte, Antioquia       |
| 1546 | 2022/12/23 | 09:09:41 | 6,685 | -74,851 | 22  | 1,2 | Yalí, Antioquia                   |
| 1547 | 2022/12/23 | 09:37:45 | 6,783 | -73,141 | 132 | 1,8 | Los Santos, Santander             |
| 1548 | 2022/12/23 | 09:42:00 | 1,956 | -76,019 | 25  | 1,6 | Pitalito, Huila                   |
| 1549 | 2022/12/23 | 10:03:45 | 7,377 | -73,170 | 140 | 1,7 | Ríonegro, Santander               |
| 1550 | 2022/12/23 | 10:34:34 | 6,754 | -73,141 | 134 | 1,8 | Los Santos, Santander             |
| 1551 | 2022/12/23 | 10:36:42 | 1,992 | -75,900 | 16  | 0,9 | Timaná, Huila                     |
| 1552 | 2022/12/23 | 10:45:20 | 7,796 | -74,862 | 38  | 1,4 | Nechí, Antioquia                  |
| 1553 | 2022/12/23 | 10:49:25 | 6,749 | -73,137 | 133 | 1,6 | Los Santos, Santander             |
| 1554 | 2022/12/23 | 10:54:43 | 6,759 | -73,147 | 136 | 2,0 | Los Santos, Santander             |
| 1555 | 2022/12/23 | 11:09:10 | 5,219 | -73,705 | 150 | 1,7 | Suesca, Cundinamarca              |
| 1556 | 2022/12/23 | 12:42:29 | 6,745 | -73,086 | 138 | 1,8 | Los Santos, Santander             |
| 1557 | 2022/12/23 | 13:22:45 | 7,168 | -73,342 | 124 | 1,7 | Lebrija, Santander                |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 1558 | 2022/12/23 | 13:29:58 | 1,954  | -76,001 | 19  | 0,9 | Pitalito, Huila                  |
| 1559 | 2022/12/23 | 14:17:01 | 6,787  | -73,129 | 139 | 1,9 | Los Santos, Santander            |
| 1560 | 2022/12/23 | 14:26:25 | 6,749  | -73,160 | 145 | 1,9 | Los Santos, Santander            |
| 1561 | 2022/12/23 | 14:56:02 | 7,341  | -76,142 | 19  | 1,7 | Ituango, Antioquia               |
| 1562 | 2022/12/23 | 15:18:31 | 5,260  | -77,959 | 32  | 2,4 | Océano Pacífico                  |
| 1563 | 2022/12/23 | 15:27:52 | 2,518  | -76,358 | 16  | 1,1 | Totoró, Cauca                    |
| 1564 | 2022/12/23 | 15:27:52 | 5,832  | -73,873 | 99  | 1,7 | Jesús María, Santander           |
| 1565 | 2022/12/23 | 15:30:11 | 5,670  | -76,539 | 29  | 1,3 | Atrato (Yuto), Chocó             |
| 1566 | 2022/12/23 | 15:34:31 | 6,761  | -73,082 | 143 | 1,7 | Los Santos, Santander            |
| 1567 | 2022/12/23 | 15:40:15 | 6,868  | -73,160 | 143 | 1,7 | Los Santos, Santander            |
| 1568 | 2022/12/23 | 15:43:32 | 5,247  | -73,739 | 132 | 1,6 | Cucunubá, Cundinamarca           |
| 1569 | 2022/12/23 | 15:54:57 | 6,606  | -71,841 | 38  | 1,7 | Tame, Arauca                     |
| 1570 | 2022/12/23 | 16:00:44 | 5,623  | -74,305 | 85  | 1,2 | Quípama, Boyacá                  |
| 1571 | 2022/12/23 | 16:49:53 | 3,666  | -76,885 | 41  | 1,4 | Buenaventura, Valle del Cauca    |
| 1572 | 2022/12/23 | 17:42:42 | 6,778  | -73,151 | 141 | 2,0 | Los Santos, Santander            |
| 1573 | 2022/12/23 | 18:12:14 | 6,884  | -76,248 | 15  | 1,8 | Dabeiba, Antioquia               |
| 1574 | 2022/12/23 | 19:20:29 | 4,077  | -76,018 | 13  | 1,1 | Tuluá, Valle del Cauca           |
| 1575 | 2022/12/23 | 19:48:23 | 6,730  | -73,156 | 131 | 1,8 | Villanueva, Santander            |
| 1576 | 2022/12/23 | 21:01:58 | 6,761  | -73,151 | 137 | 2,2 | Los Santos, Santander            |
| 1577 | 2022/12/23 | 21:07:28 | 4,815  | -76,146 | 91  | 1,5 | El Cairo, Valle del Cauca        |
| 1578 | 2022/12/23 | 21:33:57 | 4,763  | -76,277 | 96  | 2,1 | El Cairo, Valle del Cauca        |
| 1579 | 2022/12/23 | 21:42:15 | 5,887  | -74,869 | 0   | 1,3 | San Francisco, Antioquia         |
| 1580 | 2022/12/23 | 22:05:38 | 2,845  | -74,958 | 21  | 1,3 | San Vicente del Caguán, Caquetá  |
| 1581 | 2022/12/23 | 22:12:41 | 6,609  | -74,290 | 16  | 1,5 | Cimitarra, Santander             |
| 1582 | 2022/12/23 | 22:26:34 | 11,020 | -72,652 | 11  | 1,7 | Barrancas, La Guajira            |
| 1583 | 2022/12/23 | 22:32:50 | 6,778  | -73,151 | 140 | 2,1 | Los Santos, Santander            |
| 1584 | 2022/12/23 | 22:33:48 | 6,758  | -73,154 | 139 | 2,1 | Los Santos, Santander            |
| 1585 | 2022/12/23 | 23:20:20 | 3,474  | -74,179 | 6   | 0,9 | Mesetas, Meta                    |
| 1586 | 2022/12/23 | 23:53:51 | 6,757  | -73,112 | 139 | 2,2 | Los Santos, Santander            |
| 1587 | 2022/12/23 | 23:58:27 | 10,058 | -72,611 | 145 | 1,9 | Venezuela                        |
| 1588 | 2022/12/23 | 23:59:48 | 10,372 | -72,887 | 118 | 1,6 | Venezuela                        |
| 1589 | 2022/12/24 | 00:28:05 | 6,810  | -76,357 | 22  | 1,2 | Dabeiba, Antioquia               |
| 1590 | 2022/12/24 | 01:19:09 | 3,514  | -73,681 | 21  | 1,1 | Granada, Meta                    |
| 1591 | 2022/12/24 | 02:03:45 | 6,307  | -73,745 | 120 | 1,4 | Vélez, Santander                 |
| 1592 | 2022/12/24 | 02:27:33 | 8,542  | -73,548 | 101 | 1,7 | La Gloria, Cesar                 |
| 1593 | 2022/12/24 | 02:41:25 | 5,781  | -72,565 | 18  | 1,6 | Socotá, Boyacá                   |
| 1594 | 2022/12/24 | 03:02:41 | 6,733  | -73,155 | 136 | 2,0 | Los Santos, Santander            |
| 1595 | 2022/12/24 | 04:11:47 | 6,720  | -73,193 | 137 | 1,6 | Villanueva, Santander            |
| 1596 | 2022/12/24 | 04:17:11 | 6,460  | -73,603 | 115 | 1,1 | Santa Helena del Opón, Santander |
| 1597 | 2022/12/24 | 04:22:22 | 6,775  | -73,180 | 127 | 1,8 | Los Santos, Santander            |
| 1598 | 2022/12/24 | 04:22:25 | 1,898  | -75,813 | 0   | 0,8 | Suaza, Huila                     |
| 1599 | 2022/12/24 | 04:56:51 | 6,771  | -73,197 | 140 | 1,7 | Los Santos, Santander            |
| 1600 | 2022/12/24 | 04:57:07 | 2,932  | -76,344 | 0   | 0,7 | Jambaló, Cauca                   |
| 1601 | 2022/12/24 | 05:19:04 | 5,050  | -77,441 | 9   | 1,8 | Océano Pacífico                  |
| 1602 | 2022/12/24 | 05:26:58 | 7,403  | -72,685 | 9   | 1,7 | Pamplona, Norte de Santander     |
| 1603 | 2022/12/24 | 05:52:20 | 3,856  | -76,229 | 102 | 1,5 | Buga, Valle del Cauca            |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1604 | 2022/12/24 | 06:35:49 | 6,686  | -73,218 | 135 | 1,4 | Barichara, Santander              |
| 1605 | 2022/12/24 | 06:46:53 | 6,788  | -76,342 | 19  | 1,3 | Frontino, Antioquia               |
| 1606 | 2022/12/24 | 06:47:37 | 6,039  | -72,742 | 16  | 1,4 | Paz de Río, Boyacá                |
| 1607 | 2022/12/24 | 07:00:40 | 6,869  | -73,168 | 143 | 2,2 | Los Santos, Santander             |
| 1608 | 2022/12/24 | 07:12:46 | 6,203  | -72,320 | 13  | 1,7 | La Salina, Casanare               |
| 1609 | 2022/12/24 | 07:25:19 | 6,754  | -73,129 | 141 | 1,8 | Los Santos, Santander             |
| 1610 | 2022/12/24 | 08:04:02 | 6,617  | -73,729 | 104 | 1,3 | El Carmen, Santander              |
| 1611 | 2022/12/24 | 08:08:47 | 6,758  | -73,129 | 126 | 1,3 | Los Santos, Santander             |
| 1612 | 2022/12/24 | 08:21:01 | 6,338  | -75,244 | 87  | 0,8 | Peñol, Antioquia                  |
| 1613 | 2022/12/24 | 08:35:27 | 2,772  | -76,975 | 93  | 1,2 | El Tambo, Cauca                   |
| 1614 | 2022/12/24 | 08:48:00 | 6,804  | -73,184 | 134 | 1,6 | Los Santos, Santander             |
| 1615 | 2022/12/24 | 09:13:17 | 6,548  | -74,198 | 69  | 1,1 | Cimitarra, Santander              |
| 1616 | 2022/12/24 | 09:19:27 | 5,281  | -73,717 | 137 | 2,0 | Lenguazaque, Cundinamarca         |
| 1617 | 2022/12/24 | 10:07:18 | 3,788  | -75,956 | 127 | 1,4 | Buga, Valle del Cauca             |
| 1618 | 2022/12/24 | 10:32:07 | 6,797  | -73,185 | 147 | 1,4 | Los Santos, Santander             |
| 1619 | 2022/12/24 | 10:56:54 | 2,354  | -75,449 | 26  | 1,0 | Gigante, Huila                    |
| 1620 | 2022/12/24 | 11:12:28 | 6,836  | -73,229 | 134 | 1,5 | Zapatoca, Santander               |
| 1621 | 2022/12/24 | 11:20:53 | 6,745  | -73,146 | 133 | 1,5 | Los Santos, Santander             |
| 1622 | 2022/12/24 | 11:25:15 | 1,884  | -75,965 | 24  | 1,7 | Timaná, Huila                     |
| 1623 | 2022/12/24 | 11:37:09 | 6,892  | -73,463 | 39  | 0,8 | San Vicente de Chucurí, Santander |
| 1624 | 2022/12/24 | 12:06:02 | 6,715  | -73,171 | 137 | 1,5 | Villanueva, Santander             |
| 1625 | 2022/12/24 | 12:32:10 | 1,994  | -75,935 | 0   | 0,9 | Timaná, Huila                     |
| 1626 | 2022/12/24 | 13:00:23 | 6,763  | -73,178 | 149 | 1,5 | Los Santos, Santander             |
| 1627 | 2022/12/24 | 13:10:23 | 6,801  | -73,172 | 149 | 1,6 | Los Santos, Santander             |
| 1628 | 2022/12/24 | 14:14:23 | 5,238  | -73,786 | 134 | 1,6 | Cucunubá, Cundinamarca            |
| 1629 | 2022/12/24 | 14:31:43 | 6,750  | -73,202 | 139 | 2,3 | Villanueva, Santander             |
| 1630 | 2022/12/24 | 14:43:07 | 10,294 | -73,033 | 109 | 1,6 | La Paz, Cesar                     |
| 1631 | 2022/12/24 | 14:51:13 | 6,418  | -73,340 | 123 | 1,3 | Simacota, Santander               |
| 1632 | 2022/12/24 | 15:36:35 | 6,792  | -73,163 | 142 | 1,9 | Los Santos, Santander             |
| 1633 | 2022/12/24 | 15:48:54 | 5,238  | -73,761 | 147 | 1,6 | Cucunubá, Cundinamarca            |
| 1634 | 2022/12/24 | 15:57:11 | 6,682  | -73,184 | 166 | 1,7 | Villanueva, Santander             |
| 1635 | 2022/12/24 | 16:33:32 | 7,499  | -73,176 | 154 | 1,8 | El Playón, Santander              |
| 1636 | 2022/12/24 | 16:44:40 | 5,254  | -73,755 | 130 | 1,9 | Cucunubá, Cundinamarca            |
| 1637 | 2022/12/24 | 17:27:46 | 9,579  | -73,489 | 0   | 2,0 | La Jagua de Ibirico, Cesar        |
| 1638 | 2022/12/24 | 17:46:21 | 6,732  | -73,197 | 138 | 1,8 | Villanueva, Santander             |
| 1639 | 2022/12/24 | 17:52:15 | 6,823  | -73,204 | 150 | 1,9 | Zapatoca, Santander               |
| 1640 | 2022/12/24 | 18:28:42 | 3,734  | -71,246 | 14  | 2,2 | Puerto Gaitán, Meta               |
| 1641 | 2022/12/24 | 18:39:44 | 3,464  | -74,590 | 25  | 1,8 | Uribe, Meta                       |
| 1642 | 2022/12/24 | 19:12:27 | 2,382  | -75,566 | 31  | 1,6 | Gigante, Huila                    |
| 1643 | 2022/12/24 | 19:22:17 | 8,042  | -73,515 | 103 | 1,7 | San Martín, Cesar                 |
| 1644 | 2022/12/24 | 19:22:22 | 3,856  | -76,294 | 131 | 1,5 | Buga, Valle del Cauca             |
| 1645 | 2022/12/24 | 19:36:20 | 5,758  | -76,013 | 70  | 1,3 | Betania, Antioquia                |
| 1646 | 2022/12/24 | 19:41:06 | 6,703  | -73,133 | 139 | 2,1 | Jordán, Santander                 |
| 1647 | 2022/12/24 | 19:49:15 | 6,761  | -73,162 | 131 | 1,9 | Los Santos, Santander             |
| 1648 | 2022/12/24 | 19:52:04 | 6,820  | -73,141 | 144 | 1,6 | Los Santos, Santander             |
| 1649 | 2022/12/24 | 19:56:06 | 6,769  | -73,082 | 135 | 1,7 | Los Santos, Santander             |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|------|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 1650 | 2022/12/24 | 20:37:10 | 6,771  | -73,165 | 149 | 1,7 | Los Santos, Santander                |
| 1651 | 2022/12/24 | 21:16:38 | 6,756  | -73,162 | 139 | 1,7 | Los Santos, Santander                |
| 1652 | 2022/12/24 | 21:42:23 | 4,016  | -76,516 | 66  | 2,3 | Calima (El Darién), Valle del Cauca  |
| 1653 | 2022/12/24 | 22:02:48 | 6,274  | -76,105 | 42  | 2,1 | Urrao, Antioquia                     |
| 1654 | 2022/12/24 | 22:07:36 | 6,721  | -73,097 | 139 | 2,1 | Jordán, Santander                    |
| 1655 | 2022/12/24 | 22:23:41 | 2,638  | -75,125 | 13  | 1,3 | San Vicente del Caguán, Caquetá      |
| 1656 | 2022/12/24 | 22:52:12 | 6,264  | -75,344 | 4   | 0,9 | San Vicente, Antioquia               |
| 1657 | 2022/12/24 | 23:01:46 | 7,288  | -76,986 | 44  | 2,7 | Carmen del Darién (Curbaradó), Chocó |
| 1658 | 2022/12/24 | 23:29:57 | 5,149  | -72,620 | 0   | 2,6 | Aguazul, Casanare                    |
| 1659 | 2022/12/25 | 00:22:52 | 8,870  | -72,887 | 171 | 2,2 | Tibú, Norte de Santander             |
| 1660 | 2022/12/25 | 00:23:06 | 6,747  | -73,122 | 138 | 1,6 | Los Santos, Santander                |
| 1661 | 2022/12/25 | 00:36:22 | 5,243  | -72,717 | 11  | 1,6 | Recetor, Casanare                    |
| 1662 | 2022/12/25 | 00:37:47 | 6,745  | -73,184 | 130 | 1,6 | Villanueva, Santander                |
| 1663 | 2022/12/25 | 00:46:08 | 6,774  | -73,123 | 137 | 2,2 | Los Santos, Santander                |
| 1664 | 2022/12/25 | 00:52:59 | 11,322 | -74,551 | 29  | 2,0 | Mar Caribe                           |
| 1665 | 2022/12/25 | 01:18:41 | 6,754  | -73,116 | 135 | 2,0 | Los Santos, Santander                |
| 1666 | 2022/12/25 | 01:21:03 | 3,487  | -74,219 | 11  | 1,7 | Mesetas, Meta                        |
| 1667 | 2022/12/25 | 01:29:35 | 8,730  | -76,971 | 42  | 2,6 | Mar Caribe                           |
| 1668 | 2022/12/25 | 01:33:00 | 6,745  | -73,107 | 138 | 2,0 | Los Santos, Santander                |
| 1669 | 2022/12/25 | 01:42:12 | 6,809  | -73,172 | 140 | 1,5 | Los Santos, Santander                |
| 1670 | 2022/12/25 | 02:09:54 | 6,896  | -76,775 | 34  | 1,5 | Murindó, Antioquia                   |
| 1671 | 2022/12/25 | 02:16:17 | 6,775  | -73,137 | 139 | 1,5 | Los Santos, Santander                |
| 1672 | 2022/12/25 | 02:37:01 | 5,616  | -74,328 | 76  | 1,3 | Yacopí, Cundinamarca                 |
| 1673 | 2022/12/25 | 03:08:14 | 6,775  | -73,154 | 137 | 1,6 | Los Santos, Santander                |
| 1674 | 2022/12/25 | 03:09:28 | 3,473  | -74,195 | 8   | 1,7 | Mesetas, Meta                        |
| 1675 | 2022/12/25 | 03:13:20 | 5,395  | -73,790 | 121 | 1,6 | Fúquene, Cundinamarca                |
| 1676 | 2022/12/25 | 03:15:19 | 5,390  | -73,500 | 0   | 1,4 | Ventaquemada, Boyacá                 |
| 1677 | 2022/12/25 | 03:27:13 | 5,268  | -73,746 | 144 | 1,6 | Cucunubá, Cundinamarca               |
| 1678 | 2022/12/25 | 03:54:18 | 6,754  | -73,129 | 132 | 1,6 | Los Santos, Santander                |
| 1679 | 2022/12/25 | 03:57:19 | 6,750  | -73,104 | 139 | 1,8 | Los Santos, Santander                |
| 1680 | 2022/12/25 | 04:02:56 | 7,929  | -73,232 | 153 | 1,9 | Ábrego, Norte de Santander           |
| 1681 | 2022/12/25 | 04:12:21 | 6,787  | -73,150 | 132 | 1,6 | Los Santos, Santander                |
| 1682 | 2022/12/25 | 04:28:34 | 6,732  | -73,133 | 134 | 1,7 | Los Santos, Santander                |
| 1683 | 2022/12/25 | 04:57:39 | 6,716  | -73,336 | 141 | 2,0 | Galán, Santander                     |
| 1684 | 2022/12/25 | 05:16:28 | 5,334  | -74,637 | 30  | 1,4 | Guaduas, Cundinamarca                |
| 1685 | 2022/12/25 | 05:20:20 | 7,730  | -73,247 | 138 | 2,3 | La Esperanza, Norte de Santander     |
| 1686 | 2022/12/25 | 05:44:47 | 6,715  | -73,141 | 134 | 1,8 | Jordán, Santander                    |
| 1687 | 2022/12/25 | 06:03:40 | 6,772  | -73,134 | 142 | 2,2 | Los Santos, Santander                |
| 1688 | 2022/12/25 | 06:28:31 | 8,242  | -73,617 | 91  | 1,7 | Aguachica, Cesar                     |
| 1689 | 2022/12/25 | 06:33:33 | 6,738  | -73,582 | 108 | 1,7 | El Carmen, Santander                 |
| 1690 | 2022/12/25 | 07:02:34 | 6,706  | -75,638 | 22  | 1,1 | Belmira, Antioquia                   |
| 1691 | 2022/12/25 | 07:20:59 | 6,788  | -73,220 | 160 | 1,7 | Zapatoca, Santander                  |
| 1692 | 2022/12/25 | 07:30:54 | 6,769  | -73,184 | 145 | 1,6 | Los Santos, Santander                |
| 1693 | 2022/12/25 | 07:37:17 | 6,776  | -73,125 | 139 | 2,4 | Los Santos, Santander                |
| 1694 | 2022/12/25 | 07:44:05 | 6,039  | -73,823 | 104 | 1,5 | El Peñón, Santander                  |
| 1695 | 2022/12/25 | 07:48:58 | 5,501  | -75,491 | 95  | 1,0 | Pácora, Caldas                       |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1696 | 2022/12/25 | 07:51:10 | 3,442  | -74,186 | 1   | 0,8 | Mesetas, Meta                     |
| 1697 | 2022/12/25 | 08:17:15 | 6,800  | -73,175 | 143 | 1,7 | Los Santos, Santander             |
| 1698 | 2022/12/25 | 08:28:09 | 4,850  | -73,343 | 16  | 1,7 | Chivor, Boyacá                    |
| 1699 | 2022/12/25 | 08:38:27 | 1,865  | -76,010 | 30  | 1,4 | Pitalito, Huila                   |
| 1700 | 2022/12/25 | 09:03:01 | 1,999  | -75,865 | 16  | 1,7 | Timaná, Huila                     |
| 1701 | 2022/12/25 | 09:12:01 | 6,739  | -73,131 | 135 | 2,0 | Los Santos, Santander             |
| 1702 | 2022/12/25 | 09:24:23 | 3,244  | -75,228 | 19  | 2,3 | Villavieja, Huila                 |
| 1703 | 2022/12/25 | 09:28:10 | 5,265  | -73,721 | 128 | 2,0 | Lenguazaque, Cundinamarca         |
| 1704 | 2022/12/25 | 09:30:25 | 3,241  | -75,223 | 27  | 1,6 | Villavieja, Huila                 |
| 1705 | 2022/12/25 | 09:44:20 | 6,719  | -73,065 | 139 | 1,9 | Jordán, Santander                 |
| 1706 | 2022/12/25 | 09:55:46 | 6,737  | -76,700 | 28  | 1,7 | Murindó, Antioquia                |
| 1707 | 2022/12/25 | 10:08:57 | 6,774  | -73,134 | 139 | 2,5 | Los Santos, Santander             |
| 1708 | 2022/12/25 | 10:14:05 | 6,745  | -73,099 | 139 | 1,7 | Los Santos, Santander             |
| 1709 | 2022/12/25 | 10:16:03 | 6,729  | -73,095 | 134 | 1,9 | Jordán, Santander                 |
| 1710 | 2022/12/25 | 10:28:37 | 6,803  | -73,170 | 148 | 1,7 | Los Santos, Santander             |
| 1711 | 2022/12/25 | 10:46:29 | 6,798  | -73,184 | 148 | 1,7 | Los Santos, Santander             |
| 1712 | 2022/12/25 | 10:47:15 | 6,840  | -73,385 | 151 | 1,5 | San Vicente de Chucurí, Santander |
| 1713 | 2022/12/25 | 10:49:11 | 3,461  | -74,226 | 1   | 0,8 | Mesetas, Meta                     |
| 1714 | 2022/12/25 | 10:54:34 | 6,769  | -73,117 | 140 | 2,2 | Los Santos, Santander             |
| 1715 | 2022/12/25 | 11:01:37 | 6,810  | -73,154 | 154 | 1,6 | Los Santos, Santander             |
| 1716 | 2022/12/25 | 11:11:43 | 6,765  | -73,196 | 139 | 1,6 | Los Santos, Santander             |
| 1717 | 2022/12/25 | 11:18:51 | 6,978  | -74,295 | 1   | 1,4 | Remedios, Antioquia               |
| 1718 | 2022/12/25 | 11:27:49 | 6,790  | -73,150 | 143 | 1,6 | Los Santos, Santander             |
| 1719 | 2022/12/25 | 11:32:27 | 5,274  | -73,796 | 148 | 1,8 | Ubaté, Cundinamarca               |
| 1720 | 2022/12/25 | 11:34:32 | 6,783  | -73,189 | 143 | 3,8 | Los Santos, Santander             |
| 1721 | 2022/12/25 | 11:42:55 | 6,718  | -73,144 | 136 | 1,9 | Jordán, Santander                 |
| 1722 | 2022/12/25 | 11:51:30 | 6,806  | -73,200 | 137 | 1,7 | Zapatoca, Santander               |
| 1723 | 2022/12/25 | 12:06:21 | 6,151  | -73,591 | 119 | 1,8 | La Paz, Santander                 |
| 1724 | 2022/12/25 | 12:09:45 | 4,697  | -74,873 | 30  | 2,1 | Venadillo, Tolima                 |
| 1725 | 2022/12/25 | 12:19:18 | 6,677  | -73,129 | 135 | 1,6 | Villanueva, Santander             |
| 1726 | 2022/12/25 | 12:21:27 | 6,968  | -76,630 | 15  | 1,5 | Murindó, Antioquia                |
| 1727 | 2022/12/25 | 12:48:51 | 6,623  | -73,474 | 120 | 1,6 | El Carmen, Santander              |
| 1728 | 2022/12/25 | 13:13:10 | 6,771  | -73,129 | 136 | 1,9 | Los Santos, Santander             |
| 1729 | 2022/12/25 | 13:29:13 | 11,200 | -72,921 | 37  | 2,0 | Ríoacha, La Guajira               |
| 1730 | 2022/12/25 | 13:52:47 | 6,768  | -73,233 | 148 | 1,7 | Zapatoca, Santander               |
| 1731 | 2022/12/25 | 13:56:41 | 6,799  | -73,138 | 136 | 2,2 | Los Santos, Santander             |
| 1732 | 2022/12/25 | 13:58:18 | 6,762  | -73,167 | 133 | 1,9 | Los Santos, Santander             |
| 1733 | 2022/12/25 | 14:06:35 | 6,852  | -76,295 | 19  | 1,3 | Dabeiba, Antioquia                |
| 1734 | 2022/12/25 | 14:11:14 | 6,385  | -73,624 | 121 | 1,2 | Santa Helena del Opón, Santander  |
| 1735 | 2022/12/25 | 14:22:16 | 3,787  | -76,159 | 60  | 1,6 | Ginebra, Valle del Cauca          |
| 1736 | 2022/12/25 | 14:28:53 | 9,296  | -73,035 | 147 | 2,2 | Colombia-Venezuela                |
| 1737 | 2022/12/25 | 14:40:28 | 5,584  | -76,048 | 65  | 2,0 | Bagadó, Chocó                     |
| 1738 | 2022/12/25 | 15:27:10 | 6,992  | -76,198 | 31  | 1,5 | Dabeiba, Antioquia                |
| 1739 | 2022/12/25 | 15:28:35 | 6,810  | -73,159 | 143 | 1,7 | Los Santos, Santander             |
| 1740 | 2022/12/25 | 15:37:05 | 6,749  | -73,141 | 134 | 1,7 | Los Santos, Santander             |
| 1741 | 2022/12/25 | 15:55:54 | 3,218  | -75,210 | 4   | 3,1 | Villavieja, Huila                 |



| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 1742 | 2022/12/25 | 16:15:22 | 6,888  | -76,396 | 13  | 1,1 | Dabeiba, Antioquia               |
| 1743 | 2022/12/25 | 16:18:18 | 6,796  | -73,201 | 127 | 1,5 | Zapatoca, Santander              |
| 1744 | 2022/12/25 | 16:26:23 | 6,783  | -73,163 | 135 | 1,7 | Los Santos, Santander            |
| 1745 | 2022/12/25 | 17:09:56 | 2,638  | -75,467 | 14  | 1,2 | Yaguará, Huila                   |
| 1746 | 2022/12/25 | 17:10:46 | 6,737  | -73,185 | 145 | 1,4 | Villanueva, Santander            |
| 1747 | 2022/12/25 | 17:23:16 | 6,788  | -73,177 | 135 | 2,2 | Los Santos, Santander            |
| 1748 | 2022/12/25 | 17:54:58 | 6,397  | -73,544 | 120 | 1,5 | Santa Helena del Opón, Santander |
| 1749 | 2022/12/25 | 17:56:55 | 5,284  | -73,717 | 137 | 1,9 | Lenguazaque, Cundinamarca        |
| 1750 | 2022/12/25 | 18:00:15 | 6,899  | -72,214 | 3   | 0,4 | Cubará, Boyacá                   |
| 1751 | 2022/12/25 | 18:09:02 | 6,162  | -73,842 | 3   | 1,2 | Bolívar, Santander               |
| 1752 | 2022/12/25 | 18:13:27 | 6,749  | -73,154 | 134 | 1,9 | Los Santos, Santander            |
| 1753 | 2022/12/25 | 19:10:32 | 6,783  | -73,180 | 145 | 3,0 | Los Santos, Santander            |
| 1754 | 2022/12/25 | 19:18:54 | 2,397  | -79,862 | 22  | 2,2 | Océano Pacífico                  |
| 1755 | 2022/12/25 | 19:45:05 | 4,739  | -76,081 | 92  | 1,6 | Ansermanuevo, Valle del Cauca    |
| 1756 | 2022/12/25 | 20:45:34 | 6,754  | -73,137 | 134 | 1,8 | Los Santos, Santander            |
| 1757 | 2022/12/25 | 21:57:11 | 6,788  | -73,162 | 133 | 2,1 | Los Santos, Santander            |
| 1758 | 2022/12/25 | 22:50:47 | 5,632  | -74,333 | 75  | 1,0 | Yacopí, Cundinamarca             |
| 1759 | 2022/12/25 | 23:15:44 | 6,775  | -73,150 | 130 | 1,7 | Los Santos, Santander            |
| 1760 | 2022/12/25 | 23:20:15 | 11,236 | -74,808 | 24  | 1,7 | Mar Caribe                       |
| 1761 | 2022/12/25 | 23:51:27 | 6,755  | -73,106 | 139 | 2,2 | Los Santos, Santander            |
| 1762 | 2022/12/25 | 23:55:08 | 6,827  | -73,170 | 145 | 1,9 | Los Santos, Santander            |
| 1763 | 2022/12/26 | 00:00:09 | 6,821  | -73,186 | 136 | 1,6 | Zapatoca, Santander              |
| 1764 | 2022/12/26 | 00:16:44 | 6,831  | -73,163 | 138 | 1,7 | Los Santos, Santander            |
| 1765 | 2022/12/26 | 00:35:27 | 5,811  | -72,463 | 4   | 1,4 | Pisva, Boyacá                    |
| 1766 | 2022/12/26 | 00:38:29 | 10,644 | -73,908 | 12  | 1,6 | Aracataca, Magdalena             |
| 1767 | 2022/12/26 | 01:03:10 | 6,836  | -73,288 | 130 | 1,4 | Zapatoca, Santander              |
| 1768 | 2022/12/26 | 01:15:45 | 6,852  | -73,200 | 141 | 1,7 | Zapatoca, Santander              |
| 1769 | 2022/12/26 | 01:27:00 | 6,714  | -73,156 | 142 | 1,8 | Villanueva, Santander            |
| 1770 | 2022/12/26 | 01:37:10 | 6,884  | -76,304 | 22  | 1,6 | Dabeiba, Antioquia               |
| 1771 | 2022/12/26 | 01:38:21 | 8,008  | -72,621 | 16  | 1,7 | El Zulia, Norte de Santander     |
| 1772 | 2022/12/26 | 01:40:05 | 6,745  | -73,141 | 137 | 1,8 | Los Santos, Santander            |
| 1773 | 2022/12/26 | 01:46:04 | 6,772  | -73,151 | 136 | 2,2 | Los Santos, Santander            |
| 1774 | 2022/12/26 | 01:52:44 | 4,577  | -73,229 | 13  | 1,6 | Medina, Cundinamarca             |
| 1775 | 2022/12/26 | 02:19:16 | 6,668  | -76,810 | 35  | 1,7 | Murindó, Antioquia               |
| 1776 | 2022/12/26 | 02:28:22 | 6,754  | -73,146 | 138 | 1,7 | Los Santos, Santander            |
| 1777 | 2022/12/26 | 02:33:21 | 6,333  | -76,073 | 24  | 0,9 | Urrao, Antioquia                 |
| 1778 | 2022/12/26 | 02:41:51 | 2,022  | -75,916 | 31  | 1,4 | Elías, Huila                     |
| 1779 | 2022/12/26 | 02:52:54 | 3,456  | -76,451 | 91  | 1,4 | Palmira, Valle del Cauca         |
| 1780 | 2022/12/26 | 03:16:40 | 10,409 | -73,650 | 75  | 1,7 | Pueblo Bello, Cesar              |
| 1781 | 2022/12/26 | 03:22:21 | 6,548  | -73,535 | 114 | 1,9 | El Carmen, Santander             |
| 1782 | 2022/12/26 | 03:31:18 | 6,744  | -73,147 | 138 | 2,3 | Los Santos, Santander            |
| 1783 | 2022/12/26 | 03:33:50 | 6,749  | -73,111 | 136 | 1,9 | Los Santos, Santander            |
| 1784 | 2022/12/26 | 03:37:08 | 5,578  | -73,824 | 121 | 2,0 | Chiquinquirá, Boyacá             |
| 1785 | 2022/12/26 | 03:40:38 | 3,866  | -71,615 | 7   | 1,5 | Puerto Gaitán, Meta              |
| 1786 | 2022/12/26 | 03:42:55 | 7,161  | -75,974 | 34  | 1,3 | Ituango, Antioquia               |
| 1787 | 2022/12/26 | 03:48:26 | 7,771  | -72,838 | 13  | 1,8 | Salazar, Norte de Santander      |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 1788 | 2022/12/26 | 04:24:22 | 6,707  | -73,146 | 140 | 1,6 | Jordán, Santander                 |
| 1789 | 2022/12/26 | 04:26:25 | 6,839  | -76,319 | 19  | 1,6 | Dabeiba, Antioquia                |
| 1790 | 2022/12/26 | 04:47:21 | 6,767  | -73,172 | 135 | 2,3 | Los Santos, Santander             |
| 1791 | 2022/12/26 | 04:54:58 | 6,741  | -73,184 | 141 | 1,7 | Villanueva, Santander             |
| 1792 | 2022/12/26 | 04:57:43 | 6,766  | -73,184 | 141 | 1,5 | Los Santos, Santander             |
| 1793 | 2022/12/26 | 05:00:24 | 4,926  | -76,126 | 98  | 1,4 | San José del Palmar, Chocó        |
| 1794 | 2022/12/26 | 05:16:33 | 6,512  | -73,360 | 111 | 2,0 | Hato, Santander                   |
| 1795 | 2022/12/26 | 05:30:32 | 6,865  | -76,404 | 3   | 1,6 | Dabeiba, Antioquia                |
| 1796 | 2022/12/26 | 05:33:53 | 4,809  | -76,051 | 13  | 1,4 | Ansermanuevo, Valle del Cauca     |
| 1797 | 2022/12/26 | 05:34:52 | 4,722  | -76,081 | 8   | 1,4 | Toro, Valle del Cauca             |
| 1798 | 2022/12/26 | 05:43:40 | 6,814  | -73,194 | 139 | 1,8 | Zapatoca, Santander               |
| 1799 | 2022/12/26 | 06:22:09 | 6,582  | -73,561 | 111 | 1,7 | El Carmen, Santander              |
| 1800 | 2022/12/26 | 06:28:38 | 4,477  | -75,672 | 16  | 1,2 | Calarcá, Quindío                  |
| 1801 | 2022/12/26 | 06:33:26 | 6,854  | -73,389 | 125 | 1,2 | San Vicente de Chucurí, Santander |
| 1802 | 2022/12/26 | 06:48:17 | 6,915  | -76,516 | 14  | 1,8 | Dabeiba, Antioquia                |
| 1803 | 2022/12/26 | 06:50:19 | 7,233  | -78,696 | 24  | 2,6 | Panamá                            |
| 1804 | 2022/12/26 | 07:03:43 | 0,976  | -77,275 | 4   | 2,3 | Pasto, Nariño                     |
| 1805 | 2022/12/26 | 07:18:45 | 6,827  | -73,179 | 149 | 1,5 | Zapatoca, Santander               |
| 1806 | 2022/12/26 | 07:27:27 | 6,723  | -73,136 | 138 | 2,5 | Jordán, Santander                 |
| 1807 | 2022/12/26 | 07:27:29 | 10,951 | -73,880 | 13  | 4,3 | Ciénaga, Magdalena                |
| 1808 | 2022/12/26 | 07:54:43 | 6,430  | -72,065 | 20  | 1,7 | Tame, Arauca                      |
| 1809 | 2022/12/26 | 08:26:03 | 6,779  | -73,094 | 143 | 1,8 | Los Santos, Santander             |
| 1810 | 2022/12/26 | 09:08:57 | 6,829  | -73,178 | 146 | 1,6 | Zapatoca, Santander               |
| 1811 | 2022/12/26 | 09:10:03 | 3,457  | -74,164 | 0   | 0,6 | Mesetas, Meta                     |
| 1812 | 2022/12/26 | 10:36:05 | 6,804  | -73,189 | 143 | 1,7 | Los Santos, Santander             |
| 1813 | 2022/12/26 | 10:48:51 | 6,868  | -73,206 | 146 | 1,6 | Zapatoca, Santander               |
| 1814 | 2022/12/26 | 10:59:56 | 7,513  | -75,426 | 42  | 1,4 | Tarazá, Antioquia                 |
| 1815 | 2022/12/26 | 11:11:38 | 5,147  | -73,190 | 13  | 1,3 | Miraflores, Boyacá                |
| 1816 | 2022/12/26 | 11:22:35 | 6,736  | -73,166 | 149 | 1,4 | Villanueva, Santander             |
| 1817 | 2022/12/26 | 11:28:03 | 6,829  | -73,170 | 144 | 1,7 | Los Santos, Santander             |
| 1818 | 2022/12/26 | 11:47:02 | 2,631  | -75,266 | 36  | 1,9 | Campoalegre, Huila                |
| 1819 | 2022/12/26 | 12:10:43 | 6,677  | -73,223 | 133 | 1,9 | Barichara, Santander              |
| 1820 | 2022/12/26 | 12:20:12 | 6,756  | -73,184 | 139 | 1,4 | Los Santos, Santander             |
| 1821 | 2022/12/26 | 12:47:18 | 3,299  | -74,598 | 22  | 1,5 | Uribe, Meta                       |
| 1822 | 2022/12/26 | 12:58:21 | 5,586  | -76,089 | 28  | 1,5 | Bagadó, Chocó                     |
| 1823 | 2022/12/26 | 14:04:43 | 3,490  | -74,211 | 8   | 1,1 | Mesetas, Meta                     |
| 1824 | 2022/12/26 | 14:05:47 | 2,502  | -77,371 | 81  | 2,1 | Timbiquí, Cauca                   |
| 1825 | 2022/12/26 | 14:14:47 | 6,830  | -73,201 | 141 | 1,8 | Zapatoca, Santander               |
| 1826 | 2022/12/26 | 14:30:03 | 5,252  | -74,590 | 3   | 0,9 | Caparrapí, Cundinamarca           |
| 1827 | 2022/12/26 | 14:36:36 | 2,894  | -74,287 | 0   | 1,0 | Uribe, Meta                       |
| 1828 | 2022/12/26 | 14:40:32 | 10,250 | -72,767 | 121 | 2,0 | Venezuela                         |
| 1829 | 2022/12/26 | 14:44:26 | 6,813  | -73,137 | 136 | 1,8 | Los Santos, Santander             |
| 1830 | 2022/12/26 | 14:52:33 | 6,775  | -73,171 | 136 | 1,7 | Los Santos, Santander             |
| 1831 | 2022/12/26 | 15:23:29 | 5,323  | -74,604 | 22  | 1,0 | Guaduas, Cundinamarca             |
| 1832 | 2022/12/26 | 15:27:22 | 6,899  | -73,421 | 124 | 1,2 | San Vicente de Chucurí, Santander |
| 1833 | 2022/12/26 | 15:32:08 | 6,833  | -73,504 | 106 | 1,2 | San Vicente de Chucurí, Santander |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|-------|---------|-----|-----|-----------------------------------|
| 1834 | 2022/12/26 | 15:56:38 | 6,760 | -73,313 | 129 | 1,6 | Zapatoca, Santander               |
| 1835 | 2022/12/26 | 16:47:37 | 6,818 | -73,536 | 122 | 0,9 | San Vicente de Chucurí, Santander |
| 1836 | 2022/12/26 | 17:02:55 | 7,449 | -73,190 | 135 | 2,1 | El Playón, Santander              |
| 1837 | 2022/12/26 | 17:10:21 | 6,778 | -73,155 | 137 | 2,3 | Los Santos, Santander             |
| 1838 | 2022/12/26 | 18:16:02 | 5,905 | -73,730 | 113 | 1,6 | Puente Nacional, Santander        |
| 1839 | 2022/12/26 | 18:21:54 | 7,262 | -78,685 | 18  | 3,0 | Panamá                            |
| 1840 | 2022/12/26 | 18:46:38 | 5,484 | -76,196 | 77  | 1,5 | Bagadó, Chocó                     |
| 1841 | 2022/12/26 | 18:52:59 | 3,436 | -74,460 | 13  | 0,9 | Uribe, Meta                       |
| 1842 | 2022/12/26 | 19:10:58 | 6,841 | -73,392 | 132 | 1,4 | San Vicente de Chucurí, Santander |
| 1843 | 2022/12/26 | 19:18:16 | 9,420 | -73,422 | 32  | 1,3 | Chiriguaná, Cesar                 |
| 1844 | 2022/12/26 | 20:02:03 | 5,386 | -73,934 | 116 | 1,6 | Carmen de Carupa, Cundinamarca    |
| 1845 | 2022/12/26 | 21:00:52 | 5,399 | -73,791 | 133 | 1,5 | Fúquene, Cundinamarca             |
| 1846 | 2022/12/26 | 21:06:26 | 5,246 | -73,737 | 145 | 1,9 | Cucunubá, Cundinamarca            |
| 1847 | 2022/12/26 | 21:08:51 | 3,751 | -76,954 | 31  | 1,2 | Buenaventura, Valle del Cauca     |
| 1848 | 2022/12/26 | 21:17:30 | 6,932 | -73,103 | 138 | 0,7 | Girón, Santander                  |
| 1849 | 2022/12/26 | 21:18:35 | 6,766 | -73,146 | 140 | 2,1 | Los Santos, Santander             |
| 1850 | 2022/12/26 | 22:59:59 | 3,842 | -76,967 | 32  | 1,9 | Buenaventura, Valle del Cauca     |
| 1851 | 2022/12/26 | 23:04:06 | 6,765 | -73,140 | 138 | 1,9 | Los Santos, Santander             |
| 1852 | 2022/12/26 | 23:07:31 | 6,765 | -73,153 | 136 | 2,0 | Los Santos, Santander             |
| 1853 | 2022/12/26 | 23:22:56 | 6,794 | -73,139 | 149 | 2,6 | Los Santos, Santander             |
| 1854 | 2022/12/26 | 23:26:01 | 4,665 | -76,790 | 20  | 1,3 | Sipí, Chocó                       |
| 1855 | 2022/12/26 | 23:40:06 | 4,229 | -76,274 | 119 | 1,8 | Trujillo, Valle del Cauca         |
| 1856 | 2022/12/27 | 00:43:26 | 7,270 | -73,774 | 16  | 1,6 | Puerto Wilches, Santander         |
| 1857 | 2022/12/27 | 00:55:43 | 5,669 | -76,395 | 37  | 1,4 | Lloró, Chocó                      |
| 1858 | 2022/12/27 | 01:20:12 | 4,143 | -76,171 | 66  | 1,7 | Andalucía, Valle del Cauca        |
| 1859 | 2022/12/27 | 01:24:28 | 6,757 | -73,160 | 141 | 2,4 | Los Santos, Santander             |
| 1860 | 2022/12/27 | 01:35:52 | 6,755 | -73,119 | 145 | 2,2 | Los Santos, Santander             |
| 1861 | 2022/12/27 | 01:53:48 | 4,670 | -76,180 | 87  | 2,4 | Argelia, Valle del Cauca          |
| 1862 | 2022/12/27 | 01:57:04 | 8,193 | -73,090 | 148 | 1,9 | Ábrego, Norte de Santander        |
| 1863 | 2022/12/27 | 02:24:28 | 6,774 | -73,151 | 145 | 2,4 | Los Santos, Santander             |
| 1864 | 2022/12/27 | 03:39:55 | 6,765 | -73,155 | 136 | 1,9 | Los Santos, Santander             |
| 1865 | 2022/12/27 | 04:02:46 | 2,868 | -77,997 | 0   | 1,7 | Océano Pacífico                   |
| 1866 | 2022/12/27 | 04:20:46 | 6,833 | -76,201 | 19  | 1,5 | Frontino, Antioquia               |
| 1867 | 2022/12/27 | 04:28:04 | 6,757 | -73,164 | 135 | 1,9 | Los Santos, Santander             |
| 1868 | 2022/12/27 | 05:11:10 | 6,838 | -73,193 | 141 | 1,5 | Zapatoca, Santander               |
| 1869 | 2022/12/27 | 05:15:09 | 6,745 | -73,120 | 140 | 1,6 | Los Santos, Santander             |
| 1870 | 2022/12/27 | 05:16:47 | 8,007 | -74,080 | 64  | 2,6 | Santa Rosa del Sur, Bolívar       |
| 1871 | 2022/12/27 | 05:28:30 | 5,828 | -75,983 | 53  | 1,3 | Ciudad Bolívar, Antioquia         |
| 1872 | 2022/12/27 | 05:43:40 | 5,552 | -76,445 | 42  | 1,0 | Lloró, Chocó                      |
| 1873 | 2022/12/27 | 06:02:55 | 6,670 | -73,203 | 158 | 1,4 | Barichara, Santander              |
| 1874 | 2022/12/27 | 06:10:33 | 6,826 | -73,208 | 136 | 1,7 | Zapatoca, Santander               |
| 1875 | 2022/12/27 | 06:12:49 | 6,785 | -73,128 | 141 | 1,5 | Los Santos, Santander             |
| 1876 | 2022/12/27 | 06:14:26 | 6,932 | -76,641 | 21  | 1,8 | Murindó, Antioquia                |
| 1877 | 2022/12/27 | 06:29:34 | 7,311 | -78,681 | 0   | 2,3 | Panamá                            |
| 1878 | 2022/12/27 | 06:35:17 | 1,705 | -75,987 | 53  | 0,9 | Acevedo, Huila                    |
| 1879 | 2022/12/27 | 06:47:54 | 6,840 | -73,212 | 138 | 1,6 | Zapatoca, Santander               |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                           |
|------|------------|----------|-------|---------|-----|-----|-------------------------------------|
| 1880 | 2022/12/27 | 06:50:22 | 6,759 | -73,138 | 138 | 2,2 | Los Santos, Santander               |
| 1881 | 2022/12/27 | 07:03:53 | 4,382 | -75,179 | 20  | 1,5 | Ibagué, Tolima                      |
| 1882 | 2022/12/27 | 07:17:30 | 3,463 | -74,593 | 19  | 1,4 | Uribe, Meta                         |
| 1883 | 2022/12/27 | 07:28:33 | 6,758 | -73,141 | 132 | 1,6 | Los Santos, Santander               |
| 1884 | 2022/12/27 | 07:46:12 | 6,688 | -74,448 | 19  | 1,3 | Puerto Berrío, Antioquia            |
| 1885 | 2022/12/27 | 07:47:45 | 6,813 | -73,159 | 137 | 1,7 | Los Santos, Santander               |
| 1886 | 2022/12/27 | 08:04:10 | 6,798 | -73,148 | 144 | 1,7 | Los Santos, Santander               |
| 1887 | 2022/12/27 | 08:06:14 | 6,744 | -73,096 | 145 | 1,6 | Los Santos, Santander               |
| 1888 | 2022/12/27 | 08:24:06 | 5,455 | -74,153 | 46  | 1,3 | Muzo, Boyacá                        |
| 1889 | 2022/12/27 | 08:27:31 | 4,306 | -75,240 | 16  | 1,7 | Rovira, Tolima                      |
| 1890 | 2022/12/27 | 08:31:49 | 6,778 | -73,152 | 140 | 1,7 | Los Santos, Santander               |
| 1891 | 2022/12/27 | 08:46:00 | 3,956 | -76,618 | 76  | 1,5 | Calima (El Darién), Valle del Cauca |
| 1892 | 2022/12/27 | 08:46:31 | 2,320 | -75,715 | 31  | 1,1 | Agrado, Huila                       |
| 1893 | 2022/12/27 | 09:01:11 | 5,423 | -73,777 | 133 | 2,1 | Fúquene, Cundinamarca               |
| 1894 | 2022/12/27 | 09:07:00 | 6,772 | -73,166 | 144 | 1,6 | Los Santos, Santander               |
| 1895 | 2022/12/27 | 09:22:28 | 5,668 | -74,323 | 22  | 1,0 | Yacopí, Cundinamarca                |
| 1896 | 2022/12/27 | 09:33:31 | 4,816 | -77,968 | 0   | 2,1 | Océano Pacífico                     |
| 1897 | 2022/12/27 | 09:52:14 | 6,823 | -73,201 | 141 | 1,6 | Zapatoca, Santander                 |
| 1898 | 2022/12/27 | 09:54:29 | 3,510 | -74,541 | 18  | 0,9 | Uribe, Meta                         |
| 1899 | 2022/12/27 | 10:17:31 | 2,560 | -77,076 | 2   | 0,6 | El Tambo, Cauca                     |
| 1900 | 2022/12/27 | 10:35:48 | 6,448 | -74,794 | 32  | 2,1 | Caracolí, Antioquia                 |
| 1901 | 2022/12/27 | 11:12:02 | 6,724 | -73,133 | 138 | 1,6 | Jordán, Santander                   |
| 1902 | 2022/12/27 | 11:30:57 | 6,720 | -73,120 | 131 | 1,7 | Jordán, Santander                   |
| 1903 | 2022/12/27 | 12:22:28 | 5,955 | -73,619 | 113 | 2,0 | Barbosa, Santander                  |
| 1904 | 2022/12/27 | 12:26:06 | 6,762 | -73,184 | 136 | 1,9 | Los Santos, Santander               |
| 1905 | 2022/12/27 | 12:33:43 | 6,886 | -76,640 | 15  | 1,6 | Murindó, Antioquia                  |
| 1906 | 2022/12/27 | 13:01:42 | 4,925 | -76,993 | 23  | 1,8 | Bajo Baudó (Pizarro), Chocó         |
| 1907 | 2022/12/27 | 13:03:11 | 6,835 | -73,200 | 145 | 1,7 | Zapatoca, Santander                 |
| 1908 | 2022/12/27 | 13:07:56 | 6,709 | -73,186 | 137 | 1,6 | Barichara, Santander                |
| 1909 | 2022/12/27 | 13:10:54 | 6,814 | -73,197 | 145 | 1,5 | Zapatoca, Santander                 |
| 1910 | 2022/12/27 | 13:34:48 | 3,320 | -74,333 | 5   | 1,0 | Uribe, Meta                         |
| 1911 | 2022/12/27 | 13:58:10 | 6,754 | -73,210 | 127 | 1,6 | Villanueva, Santander               |
| 1912 | 2022/12/27 | 14:19:25 | 6,759 | -73,187 | 137 | 2,2 | Villanueva, Santander               |
| 1913 | 2022/12/27 | 14:45:49 | 6,852 | -73,171 | 142 | 1,8 | Zapatoca, Santander                 |
| 1914 | 2022/12/27 | 15:11:20 | 4,936 | -76,083 | 88  | 1,7 | El Águila, Valle del Cauca          |
| 1915 | 2022/12/27 | 15:28:33 | 5,229 | -73,739 | 139 | 1,6 | Cucunubá, Cundinamarca              |
| 1916 | 2022/12/27 | 15:37:15 | 6,759 | -73,170 | 137 | 2,2 | Los Santos, Santander               |
| 1917 | 2022/12/27 | 15:42:48 | 6,719 | -73,132 | 127 | 2,0 | Jordán, Santander                   |
| 1918 | 2022/12/27 | 15:49:49 | 5,890 | -74,866 | 0   | 1,3 | San Francisco, Antioquia            |
| 1919 | 2022/12/27 | 16:05:14 | 1,955 | -75,908 | 29  | 0,8 | Timaná, Huila                       |
| 1920 | 2022/12/27 | 16:13:40 | 1,959 | -76,019 | 17  | 0,7 | Pitalito, Huila                     |
| 1921 | 2022/12/27 | 16:19:30 | 5,616 | -74,345 | 78  | 1,4 | Yacopí, Cundinamarca                |
| 1922 | 2022/12/27 | 16:36:53 | 6,810 | -73,356 | 134 | 1,3 | San Vicente de Chucurí, Santander   |
| 1923 | 2022/12/27 | 17:52:49 | 7,895 | -75,126 | 34  | 1,9 | Caucasia, Antioquia                 |
| 1924 | 2022/12/27 | 18:00:51 | 6,990 | -73,048 | 154 | 1,6 | Piedecuesta, Santander              |
| 1925 | 2022/12/27 | 19:06:28 | 6,744 | -73,181 | 136 | 2,1 | Villanueva, Santander               |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                      |
|------|------------|----------|--------|---------|-----|-----|--------------------------------|
| 1926 | 2022/12/27 | 19:51:59 | 7,324  | -74,655 | 3   | 1,1 | Segovia, Antioquia             |
| 1927 | 2022/12/27 | 21:55:40 | 8,180  | -72,974 | 151 | 2,2 | Ábrego, Norte de Santander     |
| 1928 | 2022/12/27 | 21:57:52 | 10,511 | -73,378 | 95  | 1,4 | Valledupar, Cesar              |
| 1929 | 2022/12/27 | 22:20:06 | 5,452  | -74,053 | 106 | 2,1 | Coper, Boyacá                  |
| 1930 | 2022/12/27 | 22:55:46 | 5,152  | -74,745 | 22  | 1,2 | Honda, Tolima                  |
| 1931 | 2022/12/27 | 23:03:18 | 6,680  | -74,636 | 49  | 0,8 | Yolombó, Antioquia             |
| 1932 | 2022/12/27 | 23:12:31 | 3,909  | -75,575 | 21  | 1,0 | San Antonio, Tolima            |
| 1933 | 2022/12/27 | 23:18:00 | 6,619  | -73,698 | 78  | 0,9 | El Carmen, Santander           |
| 1934 | 2022/12/27 | 23:19:15 | 6,839  | -73,149 | 144 | 1,4 | Los Santos, Santander          |
| 1935 | 2022/12/27 | 23:41:37 | 7,165  | -76,104 | 16  | 1,5 | Ituango, Antioquia             |
| 1936 | 2022/12/27 | 23:52:50 | 6,829  | -73,134 | 141 | 1,6 | Los Santos, Santander          |
| 1937 | 2022/12/28 | 00:12:34 | 3,168  | -74,593 | 22  | 0,8 | Uribe, Meta                    |
| 1938 | 2022/12/28 | 00:16:31 | 7,782  | -77,267 | 43  | 2,4 | Ríosucio, Chocó                |
| 1939 | 2022/12/28 | 00:35:33 | 1,476  | -79,328 | 4   | 2,5 | Océano Pacífico                |
| 1940 | 2022/12/28 | 00:38:19 | 3,597  | -74,390 | 19  | 1,6 | Uribe, Meta                    |
| 1941 | 2022/12/28 | 00:40:32 | 6,779  | -73,167 | 125 | 1,7 | Los Santos, Santander          |
| 1942 | 2022/12/28 | 01:00:26 | 4,744  | -76,052 | 86  | 1,6 | Ansermanuevo, Valle del Cauca  |
| 1943 | 2022/12/28 | 01:04:53 | 6,390  | -74,323 | 18  | 0,8 | Cimitarra, Santander           |
| 1944 | 2022/12/28 | 01:33:48 | 4,729  | -73,436 | 13  | 1,7 | Gachalá, Cundinamarca          |
| 1945 | 2022/12/28 | 01:44:27 | 5,868  | -73,720 | 112 | 1,9 | Puente Nacional, Santander     |
| 1946 | 2022/12/28 | 01:50:15 | 6,922  | -74,666 | 19  | 1,0 | Remedios, Antioquia            |
| 1947 | 2022/12/28 | 02:03:15 | 10,714 | -72,994 | 95  | 1,9 | San Juan del Cesar, La Guajira |
| 1948 | 2022/12/28 | 02:10:01 | 6,767  | -73,125 | 133 | 1,9 | Los Santos, Santander          |
| 1949 | 2022/12/28 | 02:25:24 | 6,799  | -73,136 | 140 | 2,1 | Los Santos, Santander          |
| 1950 | 2022/12/28 | 02:44:03 | 6,600  | -74,142 | 25  | 1,2 | Cimitarra, Santander           |
| 1951 | 2022/12/28 | 02:45:42 | 5,523  | -73,860 | 121 | 2,3 | Simijaca, Cundinamarca         |
| 1952 | 2022/12/28 | 03:21:48 | 6,742  | -73,136 | 137 | 1,9 | Los Santos, Santander          |
| 1953 | 2022/12/28 | 03:31:39 | 2,431  | -75,591 | 27  | 1,4 | Paicol, Huila                  |
| 1954 | 2022/12/28 | 03:34:35 | 6,847  | -73,180 | 135 | 1,9 | Zapatoca, Santander            |
| 1955 | 2022/12/28 | 03:42:03 | 6,211  | -72,871 | 0   | 1,3 | Onzaga, Santander              |
| 1956 | 2022/12/28 | 03:48:34 | 6,828  | -73,148 | 156 | 1,9 | Los Santos, Santander          |
| 1957 | 2022/12/28 | 04:08:16 | 6,088  | -73,288 | 150 | 2,0 | Suaita, Santander              |
| 1958 | 2022/12/28 | 04:17:24 | 5,305  | -73,949 | 124 | 1,6 | Carmen de Carupa, Cundinamarca |
| 1959 | 2022/12/28 | 04:22:53 | 4,705  | -76,115 | 88  | 1,7 | Argelia, Valle del Cauca       |
| 1960 | 2022/12/28 | 04:35:27 | 7,043  | -72,267 | 4   | 1,5 | Toledo, Norte de Santander     |
| 1961 | 2022/12/28 | 05:02:10 | 6,812  | -73,179 | 141 | 1,6 | Los Santos, Santander          |
| 1962 | 2022/12/28 | 05:18:05 | 6,623  | -77,741 | 3   | 2,2 | Océano Pacífico                |
| 1963 | 2022/12/28 | 05:23:28 | 6,796  | -73,176 | 146 | 1,6 | Los Santos, Santander          |
| 1964 | 2022/12/28 | 05:30:39 | 6,771  | -73,129 | 134 | 1,7 | Los Santos, Santander          |
| 1965 | 2022/12/28 | 06:08:33 | 2,382  | -75,553 | 3   | 0,9 | Gigante, Huila                 |
| 1966 | 2022/12/28 | 06:12:26 | 6,805  | -73,151 | 148 | 1,4 | Los Santos, Santander          |
| 1967 | 2022/12/28 | 06:36:22 | 6,678  | -73,140 | 159 | 1,6 | Villanueva, Santander          |
| 1968 | 2022/12/28 | 06:51:41 | 4,751  | -76,124 | 97  | 1,3 | Argelia, Valle del Cauca       |
| 1969 | 2022/12/28 | 07:14:48 | 4,585  | -77,052 | 82  | 1,1 | Istmina, Chocó                 |
| 1970 | 2022/12/28 | 07:55:19 | 2,951  | -74,822 | 30  | 1,8 | Uribe, Meta                    |
| 1971 | 2022/12/28 | 08:58:01 | 6,745  | -73,154 | 133 | 1,6 | Los Santos, Santander          |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                 |
|------|------------|----------|-------|---------|-----|-----|---------------------------|
| 1972 | 2022/12/28 | 09:04:38 | 6,768 | -73,161 | 125 | 1,4 | Los Santos, Santander     |
| 1973 | 2022/12/28 | 09:17:50 | 6,814 | -73,128 | 147 | 1,5 | Los Santos, Santander     |
| 1974 | 2022/12/28 | 09:19:12 | 3,499 | -74,210 | 10  | 3,6 | Mesetas, Meta             |
| 1975 | 2022/12/28 | 09:26:32 | 6,854 | -72,243 | 13  | 1,8 | Cubará, Boyacá            |
| 1976 | 2022/12/28 | 09:32:35 | 1,880 | -75,513 | 0   | 0,7 | Florencia, Caquetá        |
| 1977 | 2022/12/28 | 09:51:18 | 6,744 | -73,117 | 139 | 2,3 | Los Santos, Santander     |
| 1978 | 2022/12/28 | 09:59:24 | 6,742 | -73,108 | 132 | 1,9 | Los Santos, Santander     |
| 1979 | 2022/12/28 | 10:47:25 | 6,264 | -75,339 | 15  | 1,0 | San Vicente, Antioquia    |
| 1980 | 2022/12/28 | 11:17:12 | 6,738 | -74,031 | 36  | 0,5 | Puerto Parra, Santander   |
| 1981 | 2022/12/28 | 12:10:56 | 6,795 | -73,145 | 134 | 2,3 | Los Santos, Santander     |
| 1982 | 2022/12/28 | 12:28:40 | 6,808 | -73,136 | 147 | 2,3 | Los Santos, Santander     |
| 1983 | 2022/12/28 | 12:58:25 | 6,745 | -73,193 | 135 | 1,6 | Villanueva, Santander     |
| 1984 | 2022/12/28 | 14:04:52 | 6,871 | -73,117 | 143 | 1,5 | Los Santos, Santander     |
| 1985 | 2022/12/28 | 14:07:32 | 4,445 | -73,778 | 3   | 1,0 | El Calvario, Meta         |
| 1986 | 2022/12/28 | 14:10:29 | 4,743 | -74,808 | 30  | 0,8 | Ambalema, Tolima          |
| 1987 | 2022/12/28 | 14:18:31 | 5,275 | -73,744 | 132 | 1,9 | Cucunubá, Cundinamarca    |
| 1988 | 2022/12/28 | 14:37:09 | 5,265 | -73,776 | 140 | 1,5 | Cucunubá, Cundinamarca    |
| 1989 | 2022/12/28 | 14:47:30 | 3,947 | -78,852 | 16  | 2,1 | Océano Pacífico           |
| 1990 | 2022/12/28 | 15:01:46 | 6,773 | -73,134 | 143 | 1,5 | Los Santos, Santander     |
| 1991 | 2022/12/28 | 15:04:58 | 6,250 | -73,823 | 103 | 1,3 | Landázuri, Santander      |
| 1992 | 2022/12/28 | 15:58:09 | 5,286 | -73,749 | 141 | 3,1 | Cucunubá, Cundinamarca    |
| 1993 | 2022/12/28 | 16:49:32 | 6,741 | -73,150 | 134 | 1,7 | Los Santos, Santander     |
| 1994 | 2022/12/28 | 17:23:00 | 2,462 | -76,504 | 3   | 0,3 | Popayán, Cauca            |
| 1995 | 2022/12/28 | 18:44:38 | 6,109 | -74,217 | 29  | 1,1 | Cimitarra, Santander      |
| 1996 | 2022/12/28 | 18:45:02 | 6,790 | -73,156 | 129 | 1,9 | Los Santos, Santander     |
| 1997 | 2022/12/28 | 19:40:26 | 4,402 | -82,503 | 0   | 2,9 | Océano Pacífico           |
| 1998 | 2022/12/28 | 21:11:23 | 6,779 | -73,146 | 133 | 1,9 | Los Santos, Santander     |
| 1999 | 2022/12/28 | 21:55:26 | 3,590 | -76,483 | 6   | 1,1 | Yumbo, Valle del Cauca    |
| 2000 | 2022/12/28 | 22:00:22 | 6,757 | -73,096 | 146 | 1,6 | Los Santos, Santander     |
| 2001 | 2022/12/28 | 22:10:31 | 6,797 | -73,181 | 137 | 1,4 | Los Santos, Santander     |
| 2002 | 2022/12/28 | 22:18:20 | 6,850 | -76,259 | 17  | 1,6 | Dabeiba, Antioquia        |
| 2003 | 2022/12/28 | 22:25:15 | 6,748 | -73,130 | 131 | 1,9 | Los Santos, Santander     |
| 2004 | 2022/12/28 | 22:44:27 | 6,369 | -74,813 | 16  | 0,9 | Caracolí, Antioquia       |
| 2005 | 2022/12/28 | 22:52:41 | 7,281 | -75,624 | 53  | 1,3 | Ituango, Antioquia        |
| 2006 | 2022/12/28 | 23:11:03 | 3,578 | -74,454 | 22  | 1,3 | Uribe, Meta               |
| 2007 | 2022/12/28 | 23:22:46 | 5,273 | -73,734 | 141 | 2,0 | Lenguazaque, Cundinamarca |
| 2008 | 2022/12/28 | 23:26:01 | 5,608 | -75,018 | 3   | 0,5 | Samaná, Caldas            |
| 2009 | 2022/12/29 | 00:21:44 | 3,481 | -74,206 | 10  | 0,9 | Mesetas, Meta             |
| 2010 | 2022/12/29 | 00:48:34 | 6,733 | -73,125 | 137 | 2,2 | Los Santos, Santander     |
| 2011 | 2022/12/29 | 00:52:37 | 5,323 | -74,841 | 19  | 0,4 | Victoria, Caldas          |
| 2012 | 2022/12/29 | 01:41:30 | 6,746 | -73,147 | 140 | 1,9 | Los Santos, Santander     |
| 2013 | 2022/12/29 | 02:25:40 | 6,791 | -73,187 | 139 | 1,9 | Los Santos, Santander     |
| 2014 | 2022/12/29 | 02:33:16 | 6,030 | -72,393 | 13  | 1,8 | Chita, Boyacá             |
| 2015 | 2022/12/29 | 03:08:10 | 6,810 | -73,170 | 146 | 2,6 | Los Santos, Santander     |
| 2016 | 2022/12/29 | 03:12:08 | 6,771 | -73,163 | 143 | 2,8 | Los Santos, Santander     |
| 2017 | 2022/12/29 | 03:43:37 | 6,826 | -73,201 | 133 | 1,5 | Zapatoca, Santander       |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 2018 | 2022/12/29 | 04:07:11 | 6,813  | -73,133 | 136 | 1,7 | Los Santos, Santander             |
| 2019 | 2022/12/29 | 04:07:31 | 6,749  | -73,133 | 139 | 1,8 | Los Santos, Santander             |
| 2020 | 2022/12/29 | 04:31:10 | 6,871  | -73,167 | 143 | 1,9 | Los Santos, Santander             |
| 2021 | 2022/12/29 | 04:31:51 | 5,588  | -73,143 | 89  | 1,6 | Toca, Boyacá                      |
| 2022 | 2022/12/29 | 04:36:09 | 6,707  | -73,180 | 131 | 1,4 | Barichara, Santander              |
| 2023 | 2022/12/29 | 04:54:33 | 7,413  | -73,153 | 143 | 1,6 | Ríonegro, Santander               |
| 2024 | 2022/12/29 | 04:56:51 | 7,268  | -73,237 | 115 | 1,4 | Ríonegro, Santander               |
| 2025 | 2022/12/29 | 05:14:51 | 6,731  | -73,100 | 134 | 2,0 | Jordán, Santander                 |
| 2026 | 2022/12/29 | 05:23:31 | 6,535  | -73,578 | 111 | 1,4 | Simacota, Santander               |
| 2027 | 2022/12/29 | 05:25:51 | 6,805  | -73,160 | 140 | 2,2 | Los Santos, Santander             |
| 2028 | 2022/12/29 | 05:33:49 | 2,468  | -75,575 | 20  | 1,2 | Tesalia, Huila                    |
| 2029 | 2022/12/29 | 05:38:14 | 5,752  | -73,913 | 79  | 1,6 | Albania, Santander                |
| 2030 | 2022/12/29 | 05:40:01 | 10,897 | -73,324 | 81  | 1,9 | San Juan del Cesar, La Guajira    |
| 2031 | 2022/12/29 | 05:43:37 | 6,830  | -73,159 | 136 | 1,4 | Los Santos, Santander             |
| 2032 | 2022/12/29 | 05:45:23 | 6,778  | -73,162 | 136 | 1,9 | Los Santos, Santander             |
| 2033 | 2022/12/29 | 05:52:34 | 6,810  | -73,200 | 144 | 3,1 | Zapatoca, Santander               |
| 2034 | 2022/12/29 | 06:11:26 | 2,448  | -75,341 | 37  | 1,3 | Algeciras, Huila                  |
| 2035 | 2022/12/29 | 06:14:39 | 3,599  | -74,459 | 28  | 1,1 | Uribe, Meta                       |
| 2036 | 2022/12/29 | 06:17:51 | 3,590  | -74,427 | 13  | 0,8 | Uribe, Meta                       |
| 2037 | 2022/12/29 | 06:20:41 | 6,768  | -73,161 | 133 | 1,3 | Los Santos, Santander             |
| 2038 | 2022/12/29 | 06:34:10 | 4,499  | -74,969 | 22  | 0,6 | Piedras, Tolima                   |
| 2039 | 2022/12/29 | 06:52:10 | 2,937  | -76,792 | 109 | 1,5 | Suárez, Cauca                     |
| 2040 | 2022/12/29 | 07:34:09 | 8,563  | -72,659 | 24  | 1,3 | Tibú, Norte de Santander          |
| 2041 | 2022/12/29 | 07:38:05 | 6,810  | -73,140 | 146 | 1,3 | Los Santos, Santander             |
| 2042 | 2022/12/29 | 07:47:36 | 6,790  | -73,174 | 142 | 1,7 | Los Santos, Santander             |
| 2043 | 2022/12/29 | 08:00:19 | 6,771  | -73,171 | 139 | 1,6 | Los Santos, Santander             |
| 2044 | 2022/12/29 | 08:01:40 | 7,968  | -72,652 | 0   | 1,3 | El Zulia, Norte de Santander      |
| 2045 | 2022/12/29 | 08:03:23 | 3,516  | -74,989 | 25  | 0,7 | Dolores, Tolima                   |
| 2046 | 2022/12/29 | 08:08:42 | 5,271  | -73,704 | 133 | 2,1 | Lenguazaque, Cundinamarca         |
| 2047 | 2022/12/29 | 08:16:55 | 6,638  | -73,466 | 110 | 1,1 | El Carmen, Santander              |
| 2048 | 2022/12/29 | 08:18:04 | 6,768  | -73,161 | 129 | 1,3 | Los Santos, Santander             |
| 2049 | 2022/12/29 | 08:19:34 | 6,843  | -73,348 | 127 | 1,4 | San Vicente de Chucurí, Santander |
| 2050 | 2022/12/29 | 08:31:52 | 3,961  | -75,604 | 22  | 1,4 | San Antonio, Tolima               |
| 2051 | 2022/12/29 | 08:37:02 | 6,761  | -73,147 | 139 | 1,9 | Los Santos, Santander             |
| 2052 | 2022/12/29 | 09:05:32 | 6,328  | -73,563 | 114 | 1,2 | Santa Helena del Opón, Santander  |
| 2053 | 2022/12/29 | 09:15:42 | 6,788  | -73,187 | 139 | 2,4 | Los Santos, Santander             |
| 2054 | 2022/12/29 | 09:56:29 | 5,385  | -73,589 | 0   | 1,2 | Ventaquemada, Boyacá              |
| 2055 | 2022/12/29 | 09:58:42 | 6,770  | -73,144 | 142 | 1,3 | Los Santos, Santander             |
| 2056 | 2022/12/29 | 10:01:45 | 5,140  | -73,059 | 10  | 1,9 | Páez, Boyacá                      |
| 2057 | 2022/12/29 | 10:24:55 | 9,997  | -72,946 | 2   | 1,8 | Venezuela                         |
| 2058 | 2022/12/29 | 10:28:51 | 6,779  | -73,154 | 138 | 1,6 | Los Santos, Santander             |
| 2059 | 2022/12/29 | 10:32:50 | 6,824  | -73,164 | 145 | 1,5 | Los Santos, Santander             |
| 2060 | 2022/12/29 | 10:51:09 | 6,830  | -73,141 | 149 | 1,7 | Los Santos, Santander             |
| 2061 | 2022/12/29 | 11:37:51 | 6,742  | -73,151 | 136 | 2,2 | Los Santos, Santander             |
| 2062 | 2022/12/29 | 12:15:53 | 6,780  | -73,112 | 142 | 1,6 | Los Santos, Santander             |
| 2063 | 2022/12/29 | 12:22:55 | 3,539  | -74,187 | 14  | 0,7 | Mesetas, Meta                     |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                           |
|------|------------|----------|-------|---------|-----|-----|-------------------------------------|
| 2064 | 2022/12/29 | 12:33:33 | 3,010 | -78,112 | 6   | 1,6 | Océano Pacífico                     |
| 2065 | 2022/12/29 | 12:43:43 | 4,740 | -74,358 | 16  | 1,3 | Bojacá, Cundinamarca                |
| 2066 | 2022/12/29 | 13:19:22 | 6,792 | -73,130 | 149 | 1,4 | Los Santos, Santander               |
| 2067 | 2022/12/29 | 13:28:56 | 6,793 | -73,102 | 142 | 2,3 | Los Santos, Santander               |
| 2068 | 2022/12/29 | 13:30:35 | 6,759 | -73,115 | 133 | 2,2 | Los Santos, Santander               |
| 2069 | 2022/12/29 | 13:32:19 | 6,805 | -73,089 | 143 | 2,4 | Los Santos, Santander               |
| 2070 | 2022/12/29 | 13:42:57 | 6,564 | -73,592 | 117 | 1,1 | El Carmen, Santander                |
| 2071 | 2022/12/29 | 13:52:05 | 4,941 | -76,086 | 13  | 0,8 | El Águila, Valle del Cauca          |
| 2072 | 2022/12/29 | 13:58:44 | 6,804 | -73,200 | 143 | 1,5 | Zapatoca, Santander                 |
| 2073 | 2022/12/29 | 14:04:12 | 5,203 | -73,685 | 150 | 1,5 | Chocontá, Cundinamarca              |
| 2074 | 2022/12/29 | 14:49:13 | 6,749 | -73,154 | 133 | 1,6 | Los Santos, Santander               |
| 2075 | 2022/12/29 | 15:06:08 | 6,703 | -73,150 | 135 | 1,7 | Villanueva, Santander               |
| 2076 | 2022/12/29 | 15:47:45 | 6,758 | -73,176 | 132 | 1,7 | Los Santos, Santander               |
| 2077 | 2022/12/29 | 16:22:09 | 6,807 | -73,129 | 149 | 2,8 | Los Santos, Santander               |
| 2078 | 2022/12/29 | 16:28:54 | 5,246 | -73,770 | 143 | 1,6 | Cucunubá, Cundinamarca              |
| 2079 | 2022/12/29 | 16:43:58 | 3,963 | -76,548 | 73  | 1,6 | Calima (El Darién), Valle del Cauca |
| 2080 | 2022/12/29 | 17:42:20 | 5,785 | -76,105 | 50  | 1,9 | El Carmen, Chocó                    |
| 2081 | 2022/12/29 | 17:57:48 | 6,814 | -73,140 | 150 | 1,8 | Los Santos, Santander               |
| 2082 | 2022/12/29 | 18:00:04 | 5,292 | -73,740 | 135 | 2,3 | Lenguazaque, Cundinamarca           |
| 2083 | 2022/12/29 | 18:10:24 | 9,082 | -73,672 | 0   | 2,2 | Chimichagua, Cesar                  |
| 2084 | 2022/12/29 | 18:11:23 | 6,767 | -73,170 | 134 | 2,3 | Los Santos, Santander               |
| 2085 | 2022/12/29 | 18:32:58 | 3,461 | -74,196 | 9   | 1,2 | Mesetas, Meta                       |
| 2086 | 2022/12/29 | 18:38:37 | 6,896 | -73,134 | 139 | 1,6 | Los Santos, Santander               |
| 2087 | 2022/12/29 | 18:44:55 | 6,864 | -73,177 | 141 | 1,6 | Zapatoca, Santander                 |
| 2088 | 2022/12/29 | 19:04:38 | 2,362 | -75,477 | 26  | 2,0 | Gigante, Huila                      |
| 2089 | 2022/12/29 | 19:26:29 | 6,741 | -73,133 | 132 | 1,8 | Los Santos, Santander               |
| 2090 | 2022/12/29 | 19:48:23 | 6,853 | -73,169 | 149 | 1,7 | Zapatoca, Santander                 |
| 2091 | 2022/12/29 | 20:29:06 | 6,814 | -73,156 | 140 | 2,0 | Los Santos, Santander               |
| 2092 | 2022/12/29 | 20:58:09 | 6,729 | -73,138 | 139 | 2,1 | Jordán, Santander                   |
| 2093 | 2022/12/29 | 21:30:55 | 6,728 | -73,116 | 136 | 1,9 | Jordán, Santander                   |
| 2094 | 2022/12/29 | 22:54:08 | 6,783 | -73,116 | 132 | 1,5 | Los Santos, Santander               |
| 2095 | 2022/12/29 | 23:27:42 | 5,922 | -74,888 | 0   | 1,7 | San Francisco, Antioquia            |
| 2096 | 2022/12/29 | 23:53:01 | 2,024 | -75,882 | 22  | 1,1 | Elías, Huila                        |
| 2097 | 2022/12/29 | 23:58:27 | 4,160 | -76,334 | 117 | 2,1 | Riófrio, Valle del Cauca            |
| 2098 | 2022/12/30 | 00:15:12 | 5,345 | -76,403 | 39  | 1,0 | Tadó, Chocó                         |
| 2099 | 2022/12/30 | 00:22:46 | 2,418 | -75,581 | 34  | 1,4 | Gigante, Huila                      |
| 2100 | 2022/12/30 | 00:23:50 | 6,920 | -72,015 | 11  | 1,7 | Cubará, Boyacá                      |
| 2101 | 2022/12/30 | 00:28:42 | 4,098 | -78,963 | 26  | 2,9 | Océano Pacífico                     |
| 2102 | 2022/12/30 | 00:31:21 | 4,144 | -77,698 | 31  | 1,6 | Océano Pacífico                     |
| 2103 | 2022/12/30 | 00:34:41 | 6,720 | -73,124 | 138 | 1,7 | Jordán, Santander                   |
| 2104 | 2022/12/30 | 00:45:59 | 4,887 | -74,840 | 41  | 1,2 | Lérida, Tolima                      |
| 2105 | 2022/12/30 | 01:07:50 | 2,876 | -74,809 | 28  | 4,1 | San Vicente del Caguán, Caquetá     |
| 2106 | 2022/12/30 | 01:21:54 | 6,779 | -73,188 | 137 | 1,9 | Los Santos, Santander               |
| 2107 | 2022/12/30 | 01:34:02 | 6,154 | -74,338 | 0   | 1,2 | Cimitarra, Santander                |
| 2108 | 2022/12/30 | 01:45:30 | 3,244 | -76,675 | 28  | 0,8 | Jamundí, Valle del Cauca            |
| 2109 | 2022/12/30 | 03:14:21 | 5,505 | -74,060 | 107 | 2,0 | Muzo, Boyacá                        |



| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                        |
|------|------------|----------|--------|---------|-----|-----|----------------------------------|
| 2110 | 2022/12/30 | 03:17:12 | 6,699  | -73,193 | 139 | 1,5 | Barichara, Santander             |
| 2111 | 2022/12/30 | 03:18:43 | 6,711  | -73,124 | 132 | 1,8 | Jordán, Santander                |
| 2112 | 2022/12/30 | 03:21:27 | 5,980  | -73,815 | 101 | 1,3 | Bolívar, Santander               |
| 2113 | 2022/12/30 | 03:22:58 | 8,180  | -76,612 | 76  | 1,2 | Turbo, Antioquia                 |
| 2114 | 2022/12/30 | 03:36:49 | 6,962  | -73,208 | 145 | 1,6 | Girón, Santander                 |
| 2115 | 2022/12/30 | 03:43:20 | 6,784  | -73,153 | 139 | 1,8 | Los Santos, Santander            |
| 2116 | 2022/12/30 | 03:47:07 | 6,783  | -73,163 | 136 | 1,7 | Los Santos, Santander            |
| 2117 | 2022/12/30 | 03:49:04 | 3,968  | -71,387 | 0   | 0,9 | Puerto Gaitán, Meta              |
| 2118 | 2022/12/30 | 03:52:31 | 4,409  | -76,181 | 95  | 2,0 | Roldanillo, Valle del Cauca      |
| 2119 | 2022/12/30 | 04:20:52 | 6,755  | -73,151 | 139 | 1,9 | Los Santos, Santander            |
| 2120 | 2022/12/30 | 04:31:48 | 6,739  | -73,156 | 137 | 1,5 | Los Santos, Santander            |
| 2121 | 2022/12/30 | 04:34:47 | 4,003  | -78,716 | 10  | 1,6 | Océano Pacífico                  |
| 2122 | 2022/12/30 | 04:36:23 | 6,801  | -73,175 | 143 | 1,8 | Los Santos, Santander            |
| 2123 | 2022/12/30 | 04:39:12 | 6,796  | -73,109 | 136 | 1,8 | Los Santos, Santander            |
| 2124 | 2022/12/30 | 04:51:45 | 6,763  | -73,149 | 139 | 1,9 | Los Santos, Santander            |
| 2125 | 2022/12/30 | 04:52:22 | 6,753  | -73,119 | 133 | 1,9 | Los Santos, Santander            |
| 2126 | 2022/12/30 | 05:02:09 | 8,752  | -73,970 | 67  | 1,9 | San Martín de Loba, Bolívar      |
| 2127 | 2022/12/30 | 05:40:57 | 6,534  | -73,530 | 26  | 0,8 | El Carmen, Santander             |
| 2128 | 2022/12/30 | 05:43:43 | 6,337  | -73,602 | 120 | 1,0 | Santa Helena del Opón, Santander |
| 2129 | 2022/12/30 | 06:05:14 | 7,203  | -73,808 | 29  | 1,1 | Barrancabermeja, Santander       |
| 2130 | 2022/12/30 | 06:27:23 | 5,642  | -72,625 | 4   | 1,3 | Mongua, Boyacá                   |
| 2131 | 2022/12/30 | 06:58:08 | 6,782  | -73,108 | 139 | 1,9 | Los Santos, Santander            |
| 2132 | 2022/12/30 | 07:02:42 | 6,806  | -73,150 | 140 | 1,4 | Los Santos, Santander            |
| 2133 | 2022/12/30 | 07:04:39 | 2,705  | -74,532 | 19  | 1,1 | Uribe, Meta                      |
| 2134 | 2022/12/30 | 07:11:11 | 6,814  | -73,136 | 145 | 1,5 | Los Santos, Santander            |
| 2135 | 2022/12/30 | 07:16:41 | 7,808  | -73,568 | 102 | 1,4 | San Martín, Cesar                |
| 2136 | 2022/12/30 | 07:18:23 | 6,782  | -73,177 | 136 | 2,5 | Los Santos, Santander            |
| 2137 | 2022/12/30 | 07:31:54 | 6,610  | -73,017 | 170 | 2,2 | Curití, Santander                |
| 2138 | 2022/12/30 | 07:39:15 | 5,640  | -76,492 | 44  | 1,0 | Atrato (Yuto), Chocó             |
| 2139 | 2022/12/30 | 07:42:16 | 9,535  | -73,535 | 10  | 0,6 | Chiriguáná, Cesar                |
| 2140 | 2022/12/30 | 07:46:38 | 6,794  | -73,176 | 142 | 1,2 | Los Santos, Santander            |
| 2141 | 2022/12/30 | 08:18:59 | 7,872  | -73,223 | 138 | 1,7 | Ábrego, Norte de Santander       |
| 2142 | 2022/12/30 | 08:25:54 | 6,191  | -73,705 | 111 | 1,4 | Vélez, Santander                 |
| 2143 | 2022/12/30 | 08:27:15 | 6,812  | -73,190 | 143 | 1,1 | Zapatoca, Santander              |
| 2144 | 2022/12/30 | 08:47:18 | 2,436  | -75,558 | 27  | 1,0 | Gigante, Huila                   |
| 2145 | 2022/12/30 | 08:58:03 | 10,440 | -73,639 | 40  | 1,6 | Pueblo Bello, Cesar              |
| 2146 | 2022/12/30 | 09:12:06 | 6,765  | -73,152 | 139 | 1,4 | Los Santos, Santander            |
| 2147 | 2022/12/30 | 09:19:54 | 6,771  | -73,171 | 134 | 1,5 | Los Santos, Santander            |
| 2148 | 2022/12/30 | 09:25:40 | 6,758  | -73,180 | 131 | 1,5 | Los Santos, Santander            |
| 2149 | 2022/12/30 | 09:36:33 | 5,272  | -73,745 | 146 | 1,6 | Cucunubá, Cundinamarca           |
| 2150 | 2022/12/30 | 09:41:48 | 6,759  | -73,157 | 133 | 2,2 | Los Santos, Santander            |
| 2151 | 2022/12/30 | 10:12:11 | 6,711  | -73,176 | 129 | 1,6 | Villanueva, Santander            |
| 2152 | 2022/12/30 | 10:15:37 | 3,472  | -75,724 | 22  | 1,3 | Rioblanco, Tolima                |
| 2153 | 2022/12/30 | 10:22:42 | 3,307  | -74,345 | 24  | 0,9 | Uribe, Meta                      |
| 2154 | 2022/12/30 | 10:24:25 | 6,771  | -73,150 | 137 | 1,7 | Los Santos, Santander            |
| 2155 | 2022/12/30 | 10:26:30 | 6,893  | -74,062 | 16  | 0,8 | Yondó (Casabe), Antioquia        |

| N    | Fecha      | H:M:S    | LAT   | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|-------|---------|-----|-----|-----------------------------------|
| 2156 | 2022/12/30 | 10:28:48 | 6,792 | -73,154 | 139 | 1,6 | Los Santos, Santander             |
| 2157 | 2022/12/30 | 10:39:45 | 6,806 | -73,178 | 149 | 1,6 | Los Santos, Santander             |
| 2158 | 2022/12/30 | 10:56:43 | 3,806 | -71,409 | 2   | 1,3 | Puerto Gaitán, Meta               |
| 2159 | 2022/12/30 | 11:00:18 | 6,771 | -73,116 | 134 | 1,9 | Los Santos, Santander             |
| 2160 | 2022/12/30 | 11:18:11 | 1,809 | -76,289 | 13  | 0,6 | San Agustín, Huila                |
| 2161 | 2022/12/30 | 11:19:12 | 9,081 | -73,586 | 100 | 1,5 | Chimichagua, Cesar                |
| 2162 | 2022/12/30 | 11:32:17 | 6,772 | -73,167 | 145 | 1,4 | Los Santos, Santander             |
| 2163 | 2022/12/30 | 11:44:32 | 6,834 | -73,591 | 114 | 1,2 | San Vicente de Chucurí, Santander |
| 2164 | 2022/12/30 | 12:10:01 | 6,745 | -73,163 | 129 | 1,9 | Los Santos, Santander             |
| 2165 | 2022/12/30 | 12:11:35 | 5,432 | -75,977 | 64  | 1,3 | Mistrató, Risaralda               |
| 2166 | 2022/12/30 | 12:34:17 | 0,223 | -77,392 | 23  | 2,2 | Colombia-Ecuador                  |
| 2167 | 2022/12/30 | 12:36:15 | 4,203 | -75,742 | 158 | 1,6 | Génova, Quindío                   |
| 2168 | 2022/12/30 | 12:43:43 | 6,858 | -73,142 | 149 | 1,5 | Los Santos, Santander             |
| 2169 | 2022/12/30 | 13:50:53 | 6,753 | -73,130 | 130 | 2,1 | Los Santos, Santander             |
| 2170 | 2022/12/30 | 15:13:27 | 6,745 | -73,159 | 135 | 1,7 | Los Santos, Santander             |
| 2171 | 2022/12/30 | 15:51:52 | 6,089 | -73,710 | 114 | 1,2 | Vélez, Santander                  |
| 2172 | 2022/12/30 | 16:03:15 | 2,524 | -75,451 | 30  | 1,5 | Hobo, Huila                       |
| 2173 | 2022/12/30 | 16:31:00 | 2,097 | -77,322 | 104 | 1,2 | Leiva, Nariño                     |
| 2174 | 2022/12/30 | 17:17:44 | 4,523 | -75,506 | 0   | 0,7 | Cajamarca, Tolima                 |
| 2175 | 2022/12/30 | 17:49:02 | 1,931 | -75,950 | 14  | 1,1 | Timaná, Huila                     |
| 2176 | 2022/12/30 | 18:06:45 | 5,917 | -74,273 | 15  | 1,4 | Puerto Boyacá, Boyacá             |
| 2177 | 2022/12/30 | 19:18:11 | 3,437 | -74,224 | 10  | 1,2 | Mesetas, Meta                     |
| 2178 | 2022/12/30 | 19:20:38 | 6,775 | -73,148 | 153 | 1,8 | Los Santos, Santander             |
| 2179 | 2022/12/30 | 19:37:41 | 4,747 | -76,081 | 85  | 1,0 | Ansermanuevo, Valle del Cauca     |
| 2180 | 2022/12/30 | 19:47:59 | 2,691 | -75,005 | 21  | 1,2 | San Vicente del Caguán, Caquetá   |
| 2181 | 2022/12/30 | 19:53:10 | 6,841 | -73,205 | 145 | 1,7 | Zapatoca, Santander               |
| 2182 | 2022/12/30 | 20:17:40 | 6,728 | -73,129 | 134 | 2,0 | Jordán, Santander                 |
| 2183 | 2022/12/30 | 20:56:25 | 6,737 | -73,176 | 136 | 1,6 | Villanueva, Santander             |
| 2184 | 2022/12/30 | 21:02:05 | 6,745 | -73,159 | 134 | 1,9 | Los Santos, Santander             |
| 2185 | 2022/12/30 | 21:07:09 | 5,278 | -73,776 | 149 | 1,6 | Cucunubá, Cundinamarca            |
| 2186 | 2022/12/30 | 21:24:44 | 6,808 | -73,192 | 142 | 1,5 | Zapatoca, Santander               |
| 2187 | 2022/12/30 | 21:41:06 | 6,737 | -73,150 | 134 | 1,8 | Los Santos, Santander             |
| 2188 | 2022/12/30 | 21:54:11 | 5,890 | -74,854 | 0   | 1,6 | Sonsón, Antioquia                 |
| 2189 | 2022/12/30 | 21:59:50 | 6,877 | -71,826 | 8   | 2,2 | Saravena, Arauca                  |
| 2190 | 2022/12/30 | 23:00:12 | 6,791 | -73,153 | 141 | 2,4 | Los Santos, Santander             |
| 2191 | 2022/12/30 | 23:03:13 | 6,776 | -73,177 | 140 | 2,7 | Los Santos, Santander             |
| 2192 | 2022/12/30 | 23:59:19 | 5,278 | -73,750 | 145 | 1,5 | Cucunubá, Cundinamarca            |
| 2193 | 2022/12/31 | 00:05:33 | 7,770 | -73,107 | 135 | 1,8 | Cáchira, Norte de Santander       |
| 2194 | 2022/12/31 | 01:34:35 | 6,769 | -73,168 | 147 | 3,0 | Los Santos, Santander             |
| 2195 | 2022/12/31 | 01:45:27 | 6,798 | -73,156 | 132 | 1,6 | Los Santos, Santander             |
| 2196 | 2022/12/31 | 02:08:24 | 6,897 | -77,690 | 6   | 2,3 | Juradó, Chocó                     |
| 2197 | 2022/12/31 | 02:27:39 | 4,073 | -76,229 | 89  | 2,0 | Tuluá, Valle del Cauca            |
| 2198 | 2022/12/31 | 02:31:01 | 6,980 | -76,356 | 6   | 1,4 | Dabeiba, Antioquia                |
| 2199 | 2022/12/31 | 03:03:28 | 6,818 | -76,325 | 18  | 1,4 | Dabeiba, Antioquia                |
| 2200 | 2022/12/31 | 03:09:07 | 6,776 | -73,136 | 136 | 2,0 | Los Santos, Santander             |
| 2201 | 2022/12/31 | 03:25:59 | 4,362 | -76,208 | 100 | 1,7 | Bolívar, Valle del Cauca          |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                            |
|------|------------|----------|--------|---------|-----|-----|--------------------------------------|
| 2202 | 2022/12/31 | 03:30:24 | 6,775  | -73,206 | 132 | 1,6 | Zapatoca, Santander                  |
| 2203 | 2022/12/31 | 03:58:25 | 6,767  | -73,138 | 140 | 2,1 | Los Santos, Santander                |
| 2204 | 2022/12/31 | 04:01:08 | 7,150  | -76,996 | 38  | 1,9 | Carmen del Darién (Curbaradó), Chocó |
| 2205 | 2022/12/31 | 04:40:46 | 5,307  | -73,434 | 72  | 1,6 | Tibaná, Boyacá                       |
| 2206 | 2022/12/31 | 04:45:15 | 6,729  | -73,132 | 139 | 1,8 | Jordán, Santander                    |
| 2207 | 2022/12/31 | 04:53:24 | 2,698  | -75,021 | 20  | 1,3 | San Vicente del Caguán, Caquetá      |
| 2208 | 2022/12/31 | 05:06:17 | 6,765  | -73,119 | 135 | 2,2 | Los Santos, Santander                |
| 2209 | 2022/12/31 | 05:15:29 | 6,827  | -73,484 | 113 | 1,5 | San Vicente de Chucurí, Santander    |
| 2210 | 2022/12/31 | 05:16:32 | 6,755  | -73,160 | 139 | 2,7 | Los Santos, Santander                |
| 2211 | 2022/12/31 | 05:59:24 | 6,767  | -73,172 | 137 | 2,3 | Los Santos, Santander                |
| 2212 | 2022/12/31 | 06:14:22 | 6,809  | -73,190 | 140 | 1,5 | Zapatoca, Santander                  |
| 2213 | 2022/12/31 | 06:14:55 | 7,122  | -74,746 | 3   | 0,9 | Segovia, Antioquia                   |
| 2214 | 2022/12/31 | 06:17:31 | 10,304 | -73,689 | 46  | 2,2 | Valledupar, Cesar                    |
| 2215 | 2022/12/31 | 06:24:07 | 7,031  | -73,454 | 125 | 1,2 | Betulia, Santander                   |
| 2216 | 2022/12/31 | 06:42:58 | 6,415  | -74,866 | 8   | 0,7 | San Roque, Antioquia                 |
| 2217 | 2022/12/31 | 07:01:59 | 6,856  | -71,900 | 0   | 1,5 | Saravena, Arauca                     |
| 2218 | 2022/12/31 | 07:03:27 | 8,458  | -73,202 | 135 | 1,4 | San Calixto, Norte de Santander      |
| 2219 | 2022/12/31 | 07:03:33 | 6,797  | -73,012 | 144 | 1,5 | Aratoca, Santander                   |
| 2220 | 2022/12/31 | 07:22:14 | 6,797  | -73,148 | 144 | 1,5 | Los Santos, Santander                |
| 2221 | 2022/12/31 | 07:32:10 | 6,814  | -73,140 | 135 | 1,9 | Los Santos, Santander                |
| 2222 | 2022/12/31 | 07:42:24 | 10,855 | -72,833 | 67  | 1,8 | Fonseca, La Guajira                  |
| 2223 | 2022/12/31 | 07:47:02 | 5,280  | -73,785 | 143 | 1,6 | Cucunubá, Cundinamarca               |
| 2224 | 2022/12/31 | 07:50:40 | 7,129  | -76,194 | 12  | 1,2 | Dabeiba, Antioquia                   |
| 2225 | 2022/12/31 | 08:13:37 | 6,813  | -73,154 | 127 | 1,6 | Los Santos, Santander                |
| 2226 | 2022/12/31 | 08:23:07 | 4,450  | -76,195 | 89  | 1,8 | Roldanillo, Valle del Cauca          |
| 2227 | 2022/12/31 | 08:25:29 | 6,762  | -73,124 | 139 | 1,9 | Los Santos, Santander                |
| 2228 | 2022/12/31 | 08:31:57 | 8,465  | -73,354 | 0   | 1,8 | Convención, Norte de Santander       |
| 2229 | 2022/12/31 | 08:34:58 | 5,617  | -74,368 | 78  | 1,1 | Yacopí, Cundinamarca                 |
| 2230 | 2022/12/31 | 08:43:48 | 8,602  | -74,064 | 67  | 1,8 | Norosí, Bolívar                      |
| 2231 | 2022/12/31 | 08:48:57 | 6,594  | -74,752 | 53  | 2,1 | Maceo, Antioquia                     |
| 2232 | 2022/12/31 | 09:04:04 | 6,366  | -73,671 | 107 | 2,0 | La Paz, Santander                    |
| 2233 | 2022/12/31 | 09:06:45 | 5,597  | -74,079 | 109 | 1,3 | Maripí, Boyacá                       |
| 2234 | 2022/12/31 | 09:39:51 | 1,931  | -76,129 | 19  | 1,2 | Isnos, Huila                         |
| 2235 | 2022/12/31 | 09:41:02 | 6,754  | -73,137 | 139 | 1,8 | Los Santos, Santander                |
| 2236 | 2022/12/31 | 10:12:27 | 1,569  | -77,994 | 35  | 1,9 | Barbacoas, Nariño                    |
| 2237 | 2022/12/31 | 10:15:20 | 6,477  | -73,998 | 28  | 0,9 | Cimitarra, Santander                 |
| 2238 | 2022/12/31 | 10:24:10 | 6,796  | -73,198 | 148 | 1,4 | Los Santos, Santander                |
| 2239 | 2022/12/31 | 10:33:44 | 10,558 | -73,125 | 3   | 1,7 | Valledupar, Cesar                    |
| 2240 | 2022/12/31 | 10:34:00 | 6,429  | -73,695 | 103 | 1,3 | Vélez, Santander                     |
| 2241 | 2022/12/31 | 10:37:46 | 6,737  | -73,150 | 139 | 1,6 | Los Santos, Santander                |
| 2242 | 2022/12/31 | 10:44:59 | 6,766  | -73,154 | 134 | 1,7 | Los Santos, Santander                |
| 2243 | 2022/12/31 | 10:55:04 | 6,796  | -73,204 | 146 | 1,4 | Zapatoca, Santander                  |
| 2244 | 2022/12/31 | 11:05:07 | 6,382  | -73,514 | 115 | 2,3 | Santa Helena del Opón, Santander     |
| 2245 | 2022/12/31 | 11:12:53 | 6,802  | -73,232 | 28  | 2,9 | Zapatoca, Santander                  |
| 2246 | 2022/12/31 | 11:29:52 | 6,778  | -73,134 | 140 | 1,9 | Los Santos, Santander                |
| 2247 | 2022/12/31 | 12:12:22 | 7,000  | -73,176 | 136 | 1,6 | Girón, Santander                     |

| N    | Fecha      | H:M:S    | LAT    | LON     | Z   | M   | Ubicación                         |
|------|------------|----------|--------|---------|-----|-----|-----------------------------------|
| 2248 | 2022/12/31 | 12:19:22 | 6,763  | -73,145 | 139 | 2,5 | Los Santos, Santander             |
| 2249 | 2022/12/31 | 12:24:51 | 6,766  | -73,163 | 133 | 1,8 | Los Santos, Santander             |
| 2250 | 2022/12/31 | 12:38:22 | 5,859  | -73,542 | 114 | 2,0 | Moniquirá, Boyacá                 |
| 2251 | 2022/12/31 | 13:12:38 | 6,949  | -74,700 | 16  | 1,2 | Remedios, Antioquia               |
| 2252 | 2022/12/31 | 13:14:36 | 6,811  | -73,198 | 142 | 1,6 | Zapatoca, Santander               |
| 2253 | 2022/12/31 | 13:18:16 | 6,975  | -76,292 | 19  | 2,5 | Dabeiba, Antioquia                |
| 2254 | 2022/12/31 | 13:20:39 | 6,958  | -76,270 | 5   | 2,7 | Dabeiba, Antioquia                |
| 2255 | 2022/12/31 | 13:25:17 | 6,805  | -73,184 | 149 | 1,6 | Los Santos, Santander             |
| 2256 | 2022/12/31 | 13:30:59 | 6,783  | -73,163 | 131 | 1,7 | Los Santos, Santander             |
| 2257 | 2022/12/31 | 13:52:27 | 6,775  | -73,159 | 134 | 1,7 | Los Santos, Santander             |
| 2258 | 2022/12/31 | 14:13:22 | 6,971  | -76,290 | 19  | 1,9 | Dabeiba, Antioquia                |
| 2259 | 2022/12/31 | 14:38:10 | 6,766  | -73,159 | 134 | 1,5 | Los Santos, Santander             |
| 2260 | 2022/12/31 | 14:44:08 | 6,790  | -73,131 | 136 | 1,9 | Los Santos, Santander             |
| 2261 | 2022/12/31 | 15:32:57 | 6,077  | -73,767 | 113 | 1,0 | Bolívar, Santander                |
| 2262 | 2022/12/31 | 15:54:12 | 3,989  | -73,921 | 18  | 1,2 | Guamal, Meta                      |
| 2263 | 2022/12/31 | 16:03:15 | 6,490  | -74,354 | 12  | 1,6 | Cimitarra, Santander              |
| 2264 | 2022/12/31 | 16:09:27 | 6,771  | -73,133 | 133 | 1,5 | Los Santos, Santander             |
| 2265 | 2022/12/31 | 16:25:59 | 7,399  | -73,171 | 134 | 1,6 | Ríonegro, Santander               |
| 2266 | 2022/12/31 | 16:31:48 | 5,501  | -76,346 | 10  | 1,2 | Lloró, Chocó                      |
| 2267 | 2022/12/31 | 17:17:19 | 10,915 | -72,763 | 80  | 1,7 | Barrancas, La Guajira             |
| 2268 | 2022/12/31 | 17:49:16 | 5,193  | -74,763 | 22  | 0,7 | Honda, Tolima                     |
| 2269 | 2022/12/31 | 18:01:49 | 6,856  | -73,351 | 149 | 1,6 | San Vicente de Chucurí, Santander |
| 2270 | 2022/12/31 | 18:35:42 | 6,575  | -73,530 | 112 | 2,2 | El Carmen, Santander              |
| 2271 | 2022/12/31 | 18:57:01 | 6,749  | -73,129 | 135 | 1,7 | Los Santos, Santander             |
| 2272 | 2022/12/31 | 19:23:22 | 6,772  | -73,166 | 132 | 2,4 | Los Santos, Santander             |
| 2273 | 2022/12/31 | 19:47:34 | 5,774  | -74,353 | 81  | 1,0 | Yacopí, Cundinamarca              |
| 2274 | 2022/12/31 | 19:50:04 | 6,820  | -73,165 | 146 | 1,7 | Los Santos, Santander             |
| 2275 | 2022/12/31 | 20:08:09 | 5,238  | -73,736 | 153 | 1,4 | Cucunubá, Cundinamarca            |
| 2276 | 2022/12/31 | 20:32:00 | 6,805  | -73,141 | 149 | 1,8 | Los Santos, Santander             |
| 2277 | 2022/12/31 | 20:42:25 | 6,565  | -73,318 | 21  | 1,2 | Hato, Santander                   |
| 2278 | 2022/12/31 | 20:43:40 | 4,721  | -76,197 | 90  | 1,8 | El Cairo, Valle del Cauca         |
| 2279 | 2022/12/31 | 20:47:53 | 2,121  | -75,642 | 26  | 1,4 | Garzón, Huila                     |
| 2280 | 2022/12/31 | 21:38:08 | 2,453  | -75,506 | 23  | 1,7 | Gigante, Huila                    |
| 2281 | 2022/12/31 | 22:12:16 | 5,273  | -73,734 | 148 | 1,6 | Lenguazaque, Cundinamarca         |
| 2282 | 2022/12/31 | 22:21:35 | 3,757  | -74,881 | 26  | 0,9 | Prado, Tolima                     |
| 2283 | 2022/12/31 | 22:25:15 | 6,806  | -73,205 | 139 | 1,7 | Zapatoca, Santander               |
| 2284 | 2022/12/31 | 22:47:55 | 11,111 | -75,377 | 26  | 2,0 | Mar Caribe                        |
| 2285 | 2022/12/31 | 23:03:48 | 6,745  | -73,111 | 131 | 1,6 | Los Santos, Santander             |
| 2286 | 2022/12/31 | 23:17:55 | 6,790  | -73,122 | 142 | 2,1 | Los Santos, Santander             |

### 3.4 Mapa de sismicidad mensual diciembre de 2022

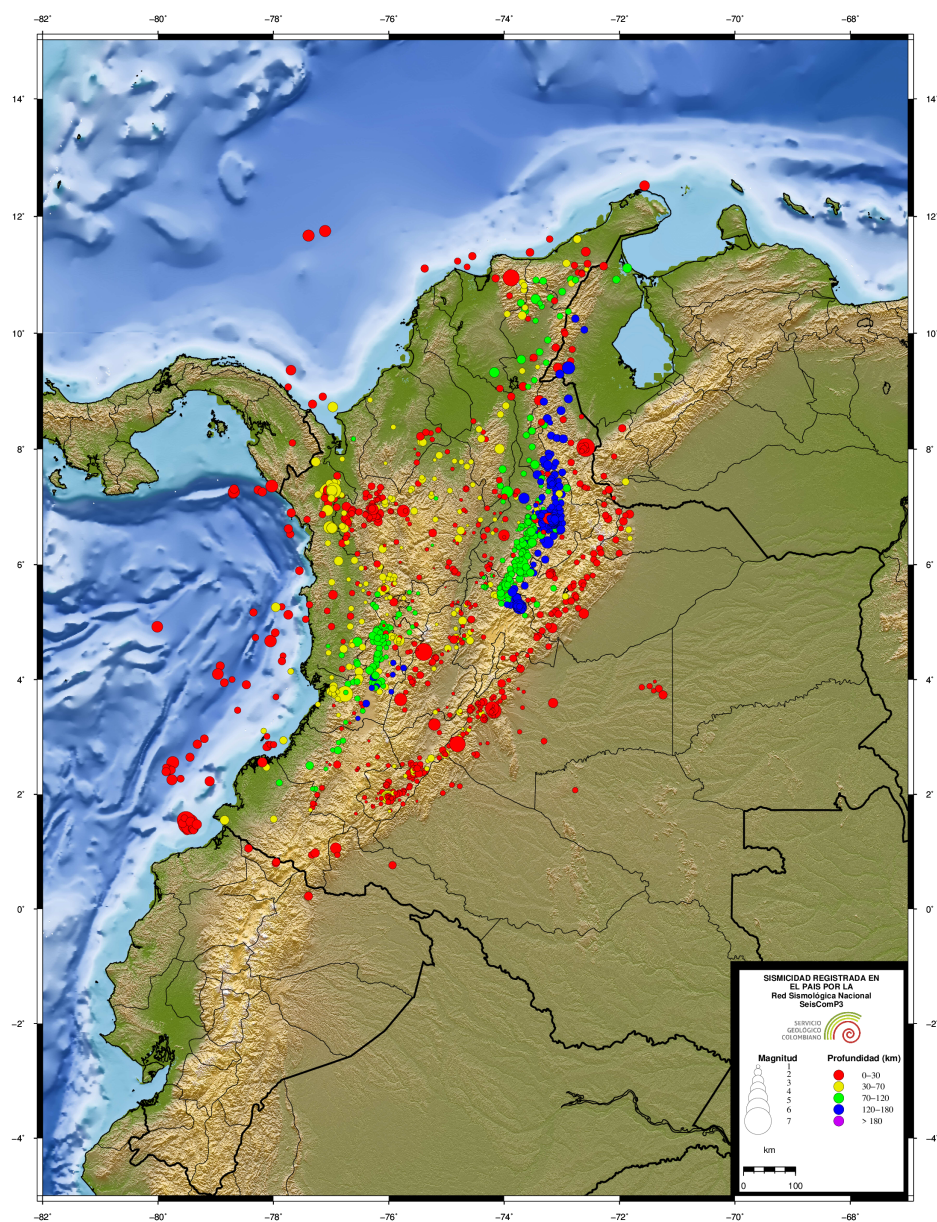


Figura 3.2. Eventos durante diciembre de 2022

4

# Estadísticas de la sismicidad

## 4.1 Errores

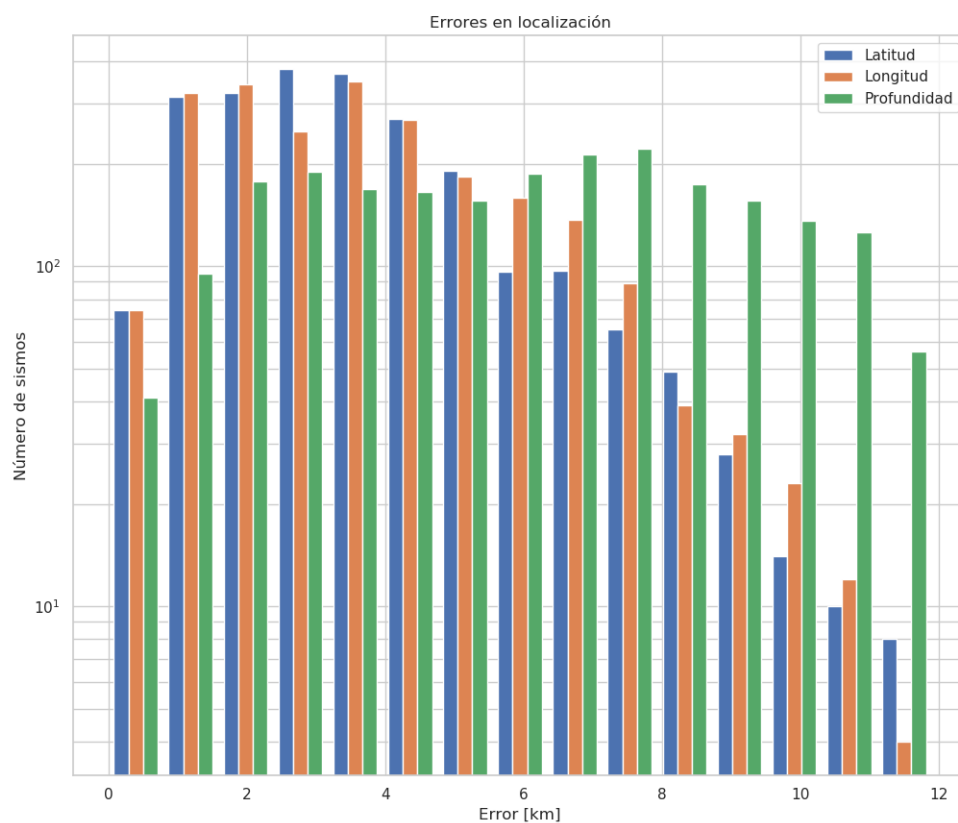


Figura 4.1. Error en latitud, longitud y profundidad (km)

## 4.2 Número de sismos

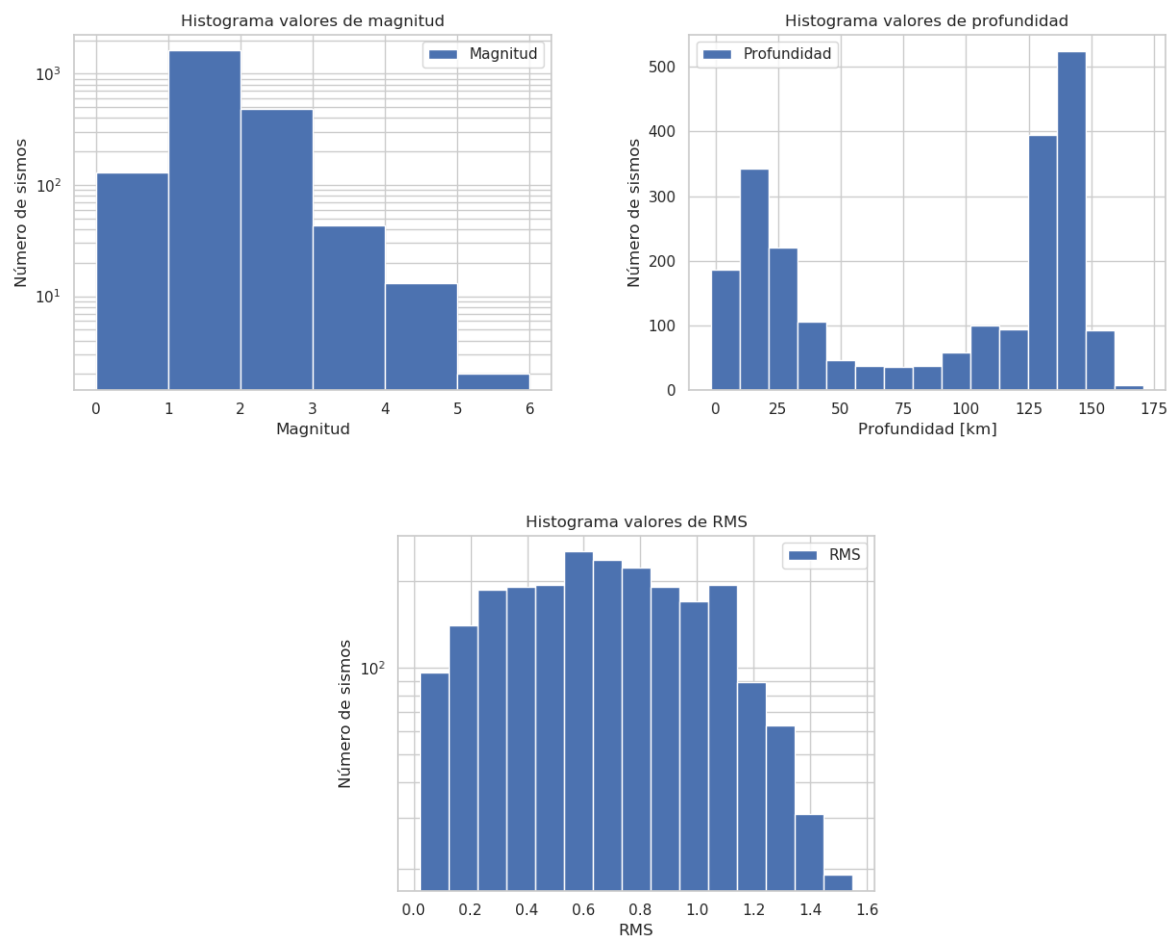


Figura 4.2. Número de eventos sísmicos por magnitud, profundidad y RMS

### 4.3 Evolución Temporal

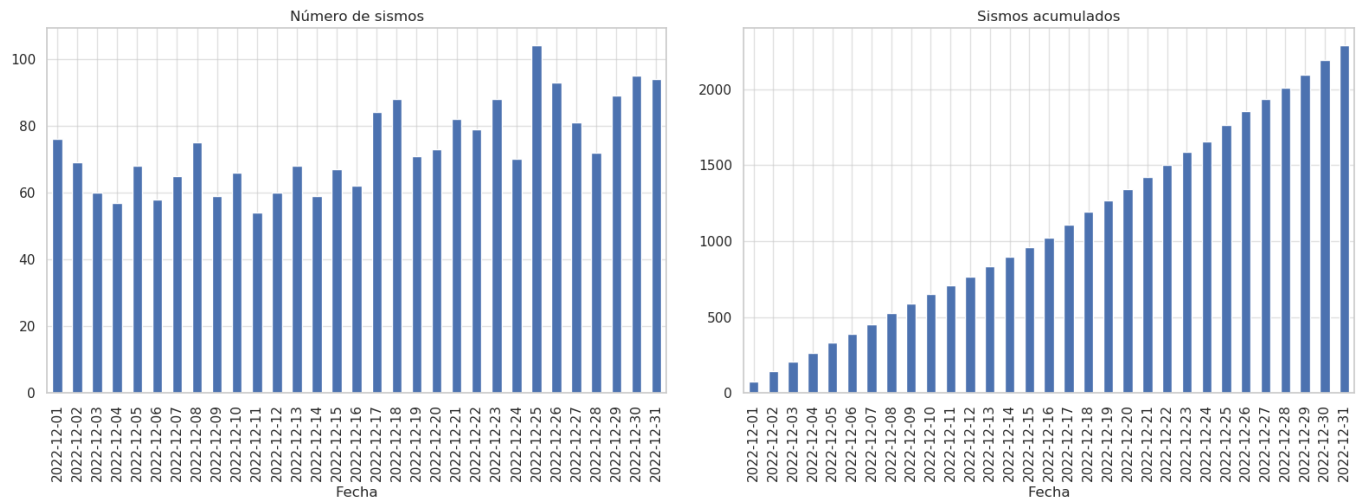


Figura 4.3. Número de eventos por días y acumulado por días



## Referencias

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