

**Table of ceasefire violations as of 23 December 2018<sup>1</sup>**

| SMM position   | Event location | Means    | No. | Observation | Description                                | Weapon                          | Date, time          |
|--|----------------|----------|-----|-------------|--|---------------------------------|---------------------|
| SMM camera at Donetsk Filtration Station (15km N of Donetsk)                               | 1-3km SSW      | Recorded | 3   | Projectile  | ENE to WSW                                 | N/K                             | 21-Dec, 19:18       |
|  | 2-4km SSW      | Recorded | 2   | Explosion   | WNW to ESE                                 | N/K                             | 21-Dec, 19:27       |
|  | 2-4km SSW      | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 19:27       |
|  | 1-2km S        | Recorded | 1   | Projectile  | E to W                                     | N/K                             | 21-Dec, 23:24       |
|  | 1-2km S        | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 23:52       |
|  | 1-2km S        | Recorded | 2   | Projectile  | E to W                                     | N/K                             | 22-Dec, 01:29       |
|  | 1-2km S        | Recorded | 3   | Projectile  | E to W                                     | N/K                             | 22-Dec, 01:48       |
|  | 1-2km S        | Recorded | 1   | Projectile  | E to W                                     | N/K                             | 22-Dec, 02:33       |
| SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk) | 0.5-1km S      | Recorded | 1   | Projectile  | E to W                                     | N/K                             | 22-Dec, 02:58       |
|  | 2-4km ENE      | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 19:56       |
|  | 2-4km ENE      | Recorded | 1   | Projectile  | S to N                                     | N/K                             | 21-Dec, 19:58       |
|  | 2-4km ENE      | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 19:58       |
|  | 2-4km ENE      | Recorded | 2   | Projectile  | NW to SE                                   | N/K                             | 21-Dec, 20:09       |
|  | 2-4km ENE      | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 20:21       |
|  | 2-4km ENE      | Recorded | 1   | Explosion   | Undetermined                               | N/K                             | 21-Dec, 20:26       |
|  | 2-4km ENE      | Recorded | 1   | Projectile  | S to N                                     | N/K                             | 21-Dec, 20:32       |
| SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk) | 2-4km E        | Recorded | 1   | Projectile  | S to N                                     | N/K                             | 21-Dec, 21:00       |
|  | 2-4km NNE      | Recorded | 1   | Explosion   | Impact                                     | N/K                             | 22-Dec, 00:24       |
| 2km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)                       | 2-4km NE       | Heard    | 1   | Explosion   | Undetermined                               | N/K                             | 22-Dec, 10:40       |
|  | 6-8km NNW      | Heard    | 18  | Burst       |  | Anti-aircraft gun (ZU-23, 23mm) | 22-Dec, 11:09       |
|  | 6-8km NNW      | Heard    | 24  | Explosion   | Undetermined                               | N/K                             | 22-Dec, 11:10       |
| Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)                               | 2km W          | Heard    | 7   | Shot        |  | Small arms                      | 22-Dec, 10:52-10:57 |
| Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre) | 2-3km W        | Heard    | 2   | Burst       |  | HMG                             | 22-Dec, 08:40       |
| 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)                          | 1-3km SSE      | Heard    | 21  | Shot        | Assessed as outside the disengagement area | Small arms                      | 22-Dec, 11:54-12:00 |
|  | 1-3km SSE      | Heard    | 5   | Burst       | Assessed as outside the disengagement area | Small arms                      | 22-Dec, 11:54-12:00 |
|  | 2-3km SW       | Heard    | 7   | Burst       | Assessed as inside the disengagement area  | Small arms                      | 22-Dec, 12:22-12:26 |
| 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)    | 2km NW         | Heard    | 1   | Explosion   | Undetermined                               | N/K                             | 22-Dec, 10:15       |
|  | 2km NW         | Heard    | 25  | Shot        |  | Small arms                      | 22-Dec, 10:16-10:19 |
|  | 2-3km NW       | Heard    | 1   | Explosion   | Undetermined                               | N/K                             | 22-Dec, 10:20       |
| Railway station in   | 2-4km W        | Heard    | 8   | Explosion   | Undetermined                               | N/K                             | 22-Dec, 13:10       |

<sup>1</sup> The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

|   |           |       |             |           |                         |            |                     |
|---|-----------|-------|-------------|-----------|-------------------------|------------|---------------------|
| Yasynuvata (non-government-controlled, 16km NE of Donetsk)            | 3-4km W   | Heard | 6           | Burst     |                         | HMG        | 22-Dec, 13:10       |
|   | 3-4km W   | Heard | 20          | Shot      |                         | Small arms | 22-Dec, 13:10       |
|   | 3-4km W   | Heard | Uncountable | Shot      | Uncountable overlapping | Small arms | 22-Dec, 13:10       |
|   | 2-3km W   | Heard | 2           | Explosion | Undetermined            | N/K        | 22-Dec, 13:18       |
|   | 2km W     | Heard | 6           | Shot      |                         | Small arms | 22-Dec, 13:24       |
|   | 2km W     | Heard | 2           | Burst     |                         | HMG        | 22-Dec, 13:25       |
|   | 2-3km W   | Heard | 4           | Burst     |                         | HMG        | 22-Dec, 13:48       |
|   | 2-3km NW  | Heard | 2           | Explosion | Undetermined            | N/K        | 22-Dec, 13:49       |
| 3km NE of Zaichenko (non-government controlled, 26km NE of Mariupol)  | N/K SW    | Heard | 1           | Explosion | Undetermined            | N/K        | 22-Dec, 10:35-10:38 |
|   | N/K S     | Heard | 1           | Shot      |                         | Small arms | 22-Dec, 10:35-10:38 |
| 800m N of Zaichenko (non-government controlled, 26km NE of Mariupol)  | N/K S     | Heard | 1           | Explosion | Undetermined            | N/K        | 22-Dec, 10:54       |
| 4km ENE of Zaichenko (non-government controlled, 26km NE of Mariupol) | 2km NW    | Heard | 2           | Burst     |                         | Small arms | 22-Dec, 11:27       |
| 3km N of Lebedynske (government-controlled, 16km NE of Mariupol)      | N/K E     | Heard | 1           | Explosion | Undetermined            | N/K        | 22-Dec, 10:46       |
|   | N/K SE    | Heard | 1           | Explosion | Undetermined            | N/K        | 22-Dec, 10:52       |
| 2.5km SSE of Lomakyne (government-controlled, 15km NE of Mariupol)    | N/K SE    | Heard | 4           | Explosion | Undetermined            | N/K        | 22-Dec, 11:03-11:05 |
| Hranitne (government-controlled, 60km south of Donetsk)               | N/K E     | Heard | 15          | Burst     |                         | Small arms | 22-Dec, 14:30-14:45 |
| Horlivka (non-government-controlled, 39km NE of Donetsk)              | 3-5km SSW | Heard | 5           | Burst     |                         | Small arms | 21-Dec, 18:52       |
|   | 3-5km SSW | Heard | 16          | Burst     |                         | HMG        | 21-Dec, 19:48-19:52 |
|   | 3-5km SSW | Heard | 45          | Shot      |                         | Small arms | 21-Dec, 19:48-19:52 |
|   | 3-5km SSW | Heard | 7           | Burst     |                         | Small arms | 21-Dec, 19:54       |
|   | 3-5km SSW | Heard | 6           | Shot      |                         | Small arms | 21-Dec, 19:54       |
|   | 3-5km SW  | Heard | 29          | Burst     |                         | HMG        | 21-Dec, 21:02-21:04 |
|   | 2-4km WNW | Heard | 4           | Burst     |                         | Small arms | 21-Dec, 21:02       |
|   | 3-5km SSW | Heard | 2           | Burst     |                         | Small arms | 21-Dec, 22:41       |
|   | 3-5km NNW | Heard | 3           | Burst     |                         | Small arms | 21-Dec, 22:58       |
|   | 3-5km SSW | Heard | 12          | Shot      |                         | Small arms | 21-Dec, 23:24       |
|   | 2-4km NW  | Heard | 31          | Burst     |                         | HMG        | 22-Dec, 10:40-10:46 |
|   | 2-4km NW  | Heard | 15          | Shot      |                         | Small arms | 22-Dec, 10:40-10:46 |
| Svitlodarsk (government-controlled, 57km NE of Donetsk)               | 3-4km SE  | Heard | 1           | Burst     |                         | HMG        | 21-Dec, 18:43       |
|   | 3-4km SE  | Heard | 5           | Shot      |                         | Small arms | 21-Dec, 18:45       |
|   | 3-4km SE  | Heard | 1           | Burst     |                         | HMG        | 21-Dec, 18:53       |
|   | 3-4km SE  | Heard | 7           | Shot      |                         | Small arms | 21-Dec, 18:57       |
|   | 3-4km SE  | Heard | 1           | Burst     |                         | HMG        | 21-Dec, 19:01       |
|   | 3-4km SE  | Heard | 5           | Burst     |                         | HMG        | 21-Dec, 19:08       |
|   | 3-4km SE  | Heard | 12          | Burst     |                         | HMG        | 21-Dec, 19:15-19:24 |
|   | 3-4km SE  | Heard | 9           | Burst     |                         | HMG        | 21-Dec, 19:43-19:47 |
|   | 3-4km SE  | Heard | 3           | Explosion | Undetermined            | N/K        | 21-Dec, 19:43-19:45 |

|   |           |       |    |           |              |            |                     |
|---|-----------|-------|----|-----------|--------------|------------|---------------------|
|   | 3-4km SE  | Heard | 16 | Burst     |              | HMG        | 21-Dec, 20:10-20:17 |
|   | 4-6km S   | Heard | 3  | Explosion | Undetermined | N/K        | 21-Dec, 20:22-20:24 |
|   | 2-4km SE  | Heard | 78 | Burst     |              | HMG        | 21-Dec, 20:25-20:35 |
|   | 4-6km S   | Heard | 8  | Explosion | Undetermined | N/K        | 21-Dec, 20:33-20:37 |
|   | 3-5km SE  | Heard | 1  | Explosion | Undetermined | N/K        | 21-Dec, 20:38       |
|   | 3-4km SE  | Heard | 13 | Burst     |              | HMG        | 21-Dec, 20:58-21:07 |
|   | 3-4km SE  | Heard | 4  | Burst     |              | HMG        | 21-Dec, 21:15       |
|   | 3-4km SE  | Heard | 19 | Burst     |              | HMG        | 21-Dec, 21:18-21:25 |
|   | 3-4km SE  | Heard | 24 | Burst     |              | HMG        | 21-Dec, 21:37-21:46 |
|   | 3-4km SE  | Heard | 5  | Shot      |              | Small arms | 21-Dec, 21:54       |
|   | 2-4km SE  | Heard | 8  | Shot      |              | Small arms | 21-Dec, 22:22       |
|   | 5-7km S   | Heard | 3  | Explosion | Undetermined | N/K        | 21-Dec, 22:25       |
|   | 2-4km SE  | Heard | 12 | Burst     |              | Small arms | 21-Dec, 22:26-22:28 |
|   | 3-5km SE  | Heard | 1  | Explosion | Undetermined | N/K        | 21-Dec, 22:28       |
|   | 2-4km SE  | Heard | 14 | Burst     |              | Small arms | 21-Dec, 22:29-22:30 |
|   | 6-8km SE  | Heard | 1  | Explosion | Undetermined | N/K        | 21-Dec, 22:30       |
|   | 2-4km S   | Heard | 8  | Burst     |              | Small arms | 21-Dec, 22:31       |
|   | 3-5km SE  | Heard | 3  | Explosion | Undetermined | N/K        | 21-Dec, 22:44       |
|   | 2-4km SE  | Heard | 7  | Burst     |              | Small arms | 21-Dec, 22:44       |
|   | 2-4km SE  | Heard | 11 | Shot      |              | Small arms | 21-Dec, 22:55       |
|   | 3-4km SE  | Heard | 21 | Burst     |              | Small arms | 21-Dec, 22:57       |
|   | 2-4km S   | Heard | 8  | Burst     |              | Small arms | 21-Dec, 23:01-23:03 |
|   | 2-4km SE  | Heard | 12 | Burst     |              | Small arms | 21-Dec, 23:06       |
|   | 2-4km SE  | Heard | 22 | Burst     |              | Small arms | 21-Dec, 23:15-23:17 |
|   | 3-5km SE  | Heard | 2  | Explosion | Undetermined | N/K        | 21-Dec, 23:20       |
|   | 2-4km SE  | Heard | 16 | Burst     |              | Small arms | 21-Dec, 23:20-23:21 |
|   | 3-4km SE  | Heard | 7  | Burst     |              | HMG        | 21-Dec, 23:29-23:31 |
|   | 2-4km SE  | Heard | 17 | Burst     |              | Small arms | 21-Dec, 23:30-23:32 |
|   | 2-4km SE  | Heard | 6  | Burst     |              | Small arms | 21-Dec, 23:40-23:45 |
|   | 2-4km SE  | Heard | 6  | Burst     |              | HMG        | 22-Dec, 11:33-11:35 |
|   | 3-5km S   | Heard | 2  | Explosion | Undetermined | N/K        | 22-Dec, 15:34       |
|   | 2-4km SE  | Heard | 6  | Burst     |              | Small arms | 22-Dec, 16:00-16:04 |
|   | 2-4km SE  | Heard | 6  | Burst     |              | HMG        | 22-Dec, 16:00-16:04 |
|   | 2-4km SE  | Heard | 37 | Shot      |              | Small arms | 22-Dec, 16:10-16:15 |
|   | 2-4km SE  | Heard | 14 | Burst     |              | Small arms | 22-Dec, 16:10-16:15 |
|   | 2-4km SE  | Heard | 5  | Burst     |              | HMG        | 22-Dec, 16:10-16:15 |
|   | 3-5km SW  | Heard | 1  | Explosion | Undetermined | N/K        | 22-Dec, 16:14       |
|   | 4-6km SW  | Heard | 1  | Explosion | Undetermined | N/K        | 22-Dec, 17:52       |
| E edge of Zalizne (government-controlled, 42km NE of Donetsk) | 1-2km E   | Heard | 20 | Burst     |              | HMG        | 22-Dec, 13:00       |
| Kadiivka (formerly Stakhanov, non-                            | 10-15km W | Heard | 8  | Explosion | Undetermined | N/K        | 21-Dec, 20:43-20:56 |

|  |             |          |    |                    |                    |                      |                     |
|--|-------------|----------|----|--------------------|--------------------|----------------------|---------------------|
| government-controlled, 50km W of Luhansk)  | 10-15km W   | Heard    | 3  | Burst              |                    | N/K                  | 21-Dec, 20:43-20:56 |
| NW edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)            | 5-7km NW    | Heard    | 10 | Burst              |                    | HMG                  | 22-Dec, 09:04-09:07 |
| N edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)             | 2-3km SW    | Heard    | 4  | Burst              |                    | Small arms           | 22-Dec, 14:21-14:22 |
| 2.5km S of Zhovte (non-government-controlled, 17km NW of Luhansk)                          | N/K SW      | Heard    | 2  | Shot               |                    | Small arms           | 22-Dec, 09:34       |
| 3km N of Holubivske (non-government-controlled, 51km W of Luhansk)                         | 3-5km W     | Heard    | 3  | Burst              |                    | Small arms           | 22-Dec, 09:55-10:00 |
| NNE edge of Kruta Hora (non-government-controlled, 16km NW of Luhansk)                     | 8-10km W    | Heard    | 46 | Explosion          | Undetermined       | Artillery (type N/K) | 22-Dec, 10:02-10:16 |
| 1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)                     | 2-3km SW    | Heard    | 5  | Burst              |                    | Small arms           | 22-Dec, 14:36-14:37 |
| SMM camera at Donetsk Filtration Station (15km N of Donetsk)                               | 2-4km SSW   | Recorded | 2  | Explosion          | Undetermined       | N/K                  | 22-Dec, 19:32       |
|  | 0.5-1km SSW | Recorded | 1  | Illumination flare | In vertical flight | N/K                  | 22-Dec, 20:33       |
|  | 1-2km S     | Recorded | 1  | Explosion          | Impact             | N/K                  | 23-Dec, 18:20       |
|  | 0.5-0.7km S | Recorded | 1  | Explosion          | Impact             | N/K                  | 23-Dec, 18:21       |
| SMM camera in Hranitne (government-controlled, 60km S of Donetsk)                          | 1-2km ENE   | Recorded | 1  | Illumination flare | N to S             | N/K                  | 23-Dec, 02:18       |
| SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk) | 2-4km NNE   | Recorded | 1  | Projectile         | W to E             | N/K                  | 23-Dec, 01:24       |
|  | 2-4km NNE   | Recorded | 1  | Projectile         | W to E             | N/K                  | 23-Dec, 01:37       |
| SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)      | 1-2km NE    | Recorded | 1  | Explosion          | Undetermined       | N/K                  | 23-Dec, 01:36       |
| SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)                      | 2-4km E     | Recorded | 1  | Explosion          | Undetermined       | N/K                  | 22-Dec, 23:58       |
| S edge of Avdiivka (government-controlled, 17km N of Donetsk)                              | 1-2km S     | Heard    | 8  | Explosion          | Undetermined       | N/K                  | 23-Dec, 09:54-10:05 |
|  | 1-2km S     | Heard    | 2  | Explosion          | Undetermined       | N/K                  | 23-Dec, 10:32       |
|  | 1-2km S     | Heard    | 2  | Explosion          | Undetermined       | N/K                  | 23-Dec, 11:22-11:30 |
| 2km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)                       | 4-6km NW    | Heard    | 2  | Explosion          | Undetermined       | N/K                  | 23-Dec, 13:15       |

|   |            |       |    |           |  |            |                     |
|---|------------|-------|----|-----------|--|------------|---------------------|
| 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)                       | 1-1.5km NW | Heard | 2  | Shot      | Assessed as outside the disengagement area | Small arms | 23-Dec, 09:40       |
| Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)           | 2km WSW    | Heard | 2  | Explosion | Undetermined                               | N/K        | 23-Dec, 10:05       |
|   | 2km WSW    | Heard | 7  | Shot      |  | Small arms | 23-Dec, 10:05-10:06 |
|   | 2km WSW    | Heard | 3  | Burst     |  | Small arms | 23-Dec, 10:05-10:06 |
|   | 2km W      | Heard | 2  | Explosion | Undetermined                               | N/K        | 23-Dec, 10:10-10:11 |
|   | 1-2km W    | Heard | 1  | Shot      |  | N/K        | 23-Dec, 10:13       |
|   | 2km W      | Heard | 5  | Burst     |  | HMG        | 23-Dec, 10:10-10:13 |
|   | 1km W      | Heard | 2  | Explosion | Undetermined                               | N/K        | 23-Dec, 10:30       |
|   | 1km W      | Heard | 10 | Burst     |  | HMG        | 23-Dec, 10:35       |
|   | 1km W      | Heard | 10 | Shot      |  | Small arms | 23-Dec, 10:38       |
|   | 1km W      | Heard | 3  | Burst     |  | Small arms | 23-Dec, 10:42       |
|   | 1km W      | Heard | 1  | Explosion | Undetermined                               | N/K        | 23-Dec, 10:43       |
|   | 1-3km W    | Heard | 1  | Explosion | Undetermined                               | N/K        | 23-Dec, 11:01       |
|   | 1-3km W    | Heard | 4  | Burst     |  | HMG        | 23-Dec, 11:02-11:05 |
|   | 1-3km W    | Heard | 17 | Shot      |  | Small arms | 23-Dec, 11:10-11:15 |
|   | 1-3km W    | Heard | 5  | Burst     |  | HMG        | 23-Dec, 11:15       |
|   | 1-3km W    | Heard | 1  | Explosion | Undetermined                               | N/K        | 23-Dec, 11:15       |
|   | 1.5km W    | Heard | 3  | Explosion | Undetermined                               | N/K        | 23-Dec, 11:21       |
|   | 1-3km W    | Heard | 3  | Explosion | Undetermined                               | N/K        | 23-Dec, 11:53-11:56 |
|   | 1-3km W    | Heard | 1  | Burst     |  | HMG        | 23-Dec, 11:56       |
|   | 1-3km W    | Heard | 2  | Explosion | Undetermined                               | N/K        | 23-Dec, 13:25       |
|   | 1-3km W    | Heard | 2  | Burst     |  | HMG        | 23-Dec, 13:25       |
|   | 1-3km W    | Heard | 7  | Shot      |  | Small arms | 23-Dec, 13:27-13:31 |
|   | 1-3km W    | Heard | 1  | Burst     |  | HMG        | 23-Dec, 13:27-13:31 |
|   | 1-3km W    | Heard | 1  | Explosion | Undetermined                               | N/K        | 23-Dec, 13:33       |
|   | 1-3km W    | Heard | 1  | Burst     |  | HMG        | 23-Dec, 13:33       |
|   | 0.5km NE   | Heard | 9  | Shot      |  | Small arms | 23-Dec,             |
| 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk) | 2-3km SW   | Heard | 2  | Explosion | Undetermined                               | N/K        | 23-Dec, 09:23       |
|   | 1-2km SW   | Heard | 3  | Explosion | Undetermined                               | N/K        | 23-Dec, 09:51-09:52 |
|   | 2km SW     | Heard | 5  | Burst     |  | Small arms | 23-Dec, 09:51-09:52 |
|   | 1-2km W    | Heard | 1  | Shot      |  | Small arms | 23-Dec, 12:52       |
|   | 1-2km W    | Heard | 1  | Burst     |  | Small arms | 23-Dec, 12:55       |
|   | 1-2km W    | Heard | 5  | Burst     |  | Small arms | 23-Dec, 13:00       |
|   | 1-2km SW   | Heard | 1  | Explosion | Undetermined                               | N/K        | 23-Dec, 13:12       |
|   | 2km W      | Heard | 13 | Shot      |  | Small arms | 23-Dec, 13:08-13:13 |
|   | 2km W      | Heard | 5  | Burst     |  | Small arms | 23-Dec, 13:08-13:13 |
| Horlivka (non-government-controlled, 39km NE of Donetsk)                                | 4-6km SW   | Heard | 12 | Burst     |  | HMG        | 22-Dec, 20:02-20:03 |
|   | 4-6km SW   | Heard | 14 | Burst     |  | HMG        | 22-Dec, 20:24-20:25 |
|   | 4-6km SW   | Heard | 9  | Burst     |  | Small arms | 22-Dec, 21:15-21:17 |
|   | 4-6km SW   | Heard | 7  | Shot      |  | Small arms | 22-Dec, 21:16-21:17 |
|   | 3-5km W    | Heard | 17 | Burst     |  | HMG        | 22-Dec, 21:16-21:18 |
|   | 3-5km W    | Heard | 4  | Burst     |  | HMG        | 22-Dec, 21:21       |
|   | 3-5km W    | Heard | 13 | Burst     |  | HMG        | 22-Dec, 21:23-21:25 |

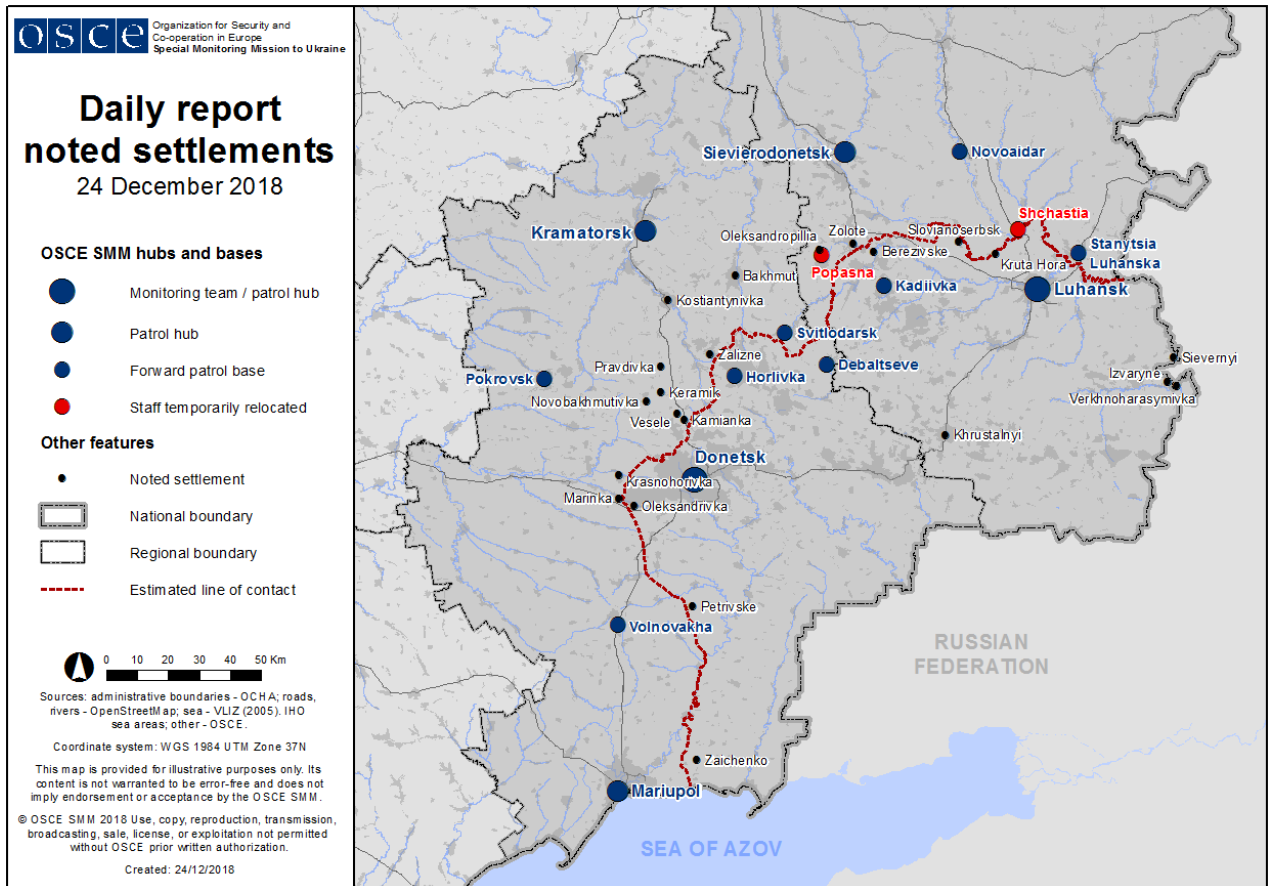
|   |           |       |           |              |              |                     |                     |
|---|-----------|-------|-----------|--------------|--------------|---------------------|---------------------|
|   | 3-5km W   | Heard | 9         | Burst        |              | HMG                 | 22-Dec, 21:28-21:30 |
|   | 3-5km W   | Heard | 15        | Burst        |              | HMG                 | 22-Dec, 21:32-21:35 |
| Svitlodarsk (government-controlled, 57km NE of Donetsk) | 3-4km SE  | Heard | 11        | Burst        |              | HMG                 | 22-Dec, 19:03-19:05 |
|   | 3-5km SE  | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 19:07       |
|   | 2-4km SE  | Heard | 2         | Burst        |              | Small arms          | 22-Dec, 19:08       |
|   | 4-6km SW  | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 19:11       |
|   | 4-6km SW  | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 19:13       |
|   | 3-4km SE  | Heard | 5         | Burst        |              | HMG                 | 22-Dec, 19:22       |
|   | 3-4km SE  | Heard | 2         | Burst        |              | HMG                 | 22-Dec, 19:25       |
|   | 2-3km SE  | Heard | 15        | Shot         |              | Small arms          | 22-Dec, 19:28-19:32 |
|   | 3-5km SE  | Heard | 2         | Explosion    | Undetermined | N/K                 | 22-Dec, 19:48       |
|   | 2-3km S   | Heard | 9         | Burst        |              | Small arms          | 22-Dec, 20:10       |
|   | 2-3km SE  | Heard | 5         | Burst        |              | Small arms          | 22-Dec, 20:13       |
|   | 3-4km SE  | Heard | 13        | Burst        |              | HMG                 | 22-Dec, 20:15-20:17 |
|   | 2-4km SE  | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 20:17       |
|   | 2-4km SE  | Heard | 2         | Explosion    | Undetermined | N/K                 | 22-Dec, 20:20       |
|   | 3-5km S   | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 20:22       |
|   | 4-6km SE  | Heard | 2         | Explosion    | Undetermined | N/K                 | 22-Dec, 20:31       |
|   | 5-7km SE  | Heard | 2         | Explosion    | Undetermined | N/K                 | 22-Dec, 20:33       |
|   | 2-4km SE  | Heard | 3         | Burst        |              | HMG                 | 22-Dec, 20:36       |
|   | 3-4km SE  | Heard | 4         | Burst        |              | HMG                 | 22-Dec, 20:45       |
|   | 3-5km SE  | Heard | 1         | Explosion    | Undetermined | N/K                 | 22-Dec, 21:11       |
|   | 3-5km SE  | Heard | 4         | Burst        |              | HMG                 | 22-Dec, 21:11       |
|   | 2-4km SE  | Heard | 3         | Burst        |              | HMG                 | 22-Dec, 21:26       |
|   | 2-4km SE  | Heard | 5         | Burst        |              | HMG                 | 22-Dec, 21:53       |
|   | 2-4km ESE | Heard | 6         | Burst        |              | HMG                 | 22-Dec, 22:12       |
|   | 2-4km ESE | Heard | 4         | Burst        |              | HMG                 | 22-Dec, 22:23       |
|   | 2-4km ESE | Heard | 3         | Burst        |              | HMG                 | 22-Dec, 22:27       |
|   | 2-4km ESE | Heard | 5         | Burst        |              | HMG                 | 22-Dec, 22:30       |
|   | 2-4km ESE | Heard | 4         | Burst        |              | HMG                 | 22-Dec, 22:38       |
|   | 3-6km ESE | Heard | 2         | Explosion    | Undetermined | N/K                 | 22-Dec, 22:41       |
|   | 2-4km ESE | Heard | 4         | Burst        |              | HMG                 | 22-Dec, 22:55       |
|   | 2-3km ESE | Heard | 12        | Shot         |              | Small arms          | 22-Dec, 22:56       |
|   | 2-4km ESE | Heard | 3         | Burst        |              | HMG                 | 22-Dec, 22:59       |
|   | 2-4km ESE | Heard | 12        | Burst        |              | HMG                 | 22-Dec, 23:02-23:05 |
|   | 3-6km ESE | Heard | 3         | Explosion    | Undetermined | N/K                 | 22-Dec, 23:05       |
|   | 3-6km ESE | Heard | 4         | Explosion    | Undetermined | N/K                 | 22-Dec, 23:13       |
|   | 2-4km ESE | Heard | 7         | Burst        |              | HMG                 | 22-Dec, 23:31       |
|   | 2-3km ESE | Heard | 9         | Shot         |              | Small arms          | 22-Dec, 23:38       |
|   | 3-6km ESE | Heard | 8         | Explosion    | Undetermined | N/K                 | 22-Dec, 23:40-23:42 |
|   | 2-3km ESE | Heard | 8         | Shot         |              | Small arms          | 22-Dec, 23:43       |
|   | 3-6km ESE | Heard | 6         | Explosion    | Undetermined | N/K                 | 22-Dec, 23:50       |
|   | 5-7km ESE | Heard | 3         | Explosion    | Undetermined | N/K                 | 22-Dec, 23:55       |
|   | 2-3km ESE | Heard | 7         | Shot         |              | Small arms          | 22-Dec, 23:56       |
| 2-4km ESE   | Heard     | 5     | Burst     |              | HMG          | 22-Dec, 23:58       |                     |
| 2-4km S   | Heard     | 1     | Explosion | Undetermined | N/K          | 23-Dec, 07:21       |                     |
| 2-4km S   | Heard     | 1     | Explosion | Undetermined | N/K          | 23-Dec, 07:23       |                     |
| 3-5km NNW   | Heard     | 2     | Explosion | Undetermined | N/K          | 23-Dec, 10:25       |                     |
| 3-5km SSW   | Heard     | 2     | Explosion | Undetermined | N/K          | 23-Dec, 10:27       |                     |
| 2-3km SW  | Heard     | 8     | Burst     |              | HMG          | 23-Dec, 12:06       |                     |
| 2-3km NNW   | Heard     | 8     | Burst     |              | Small arms   | 23-Dec, 12:46       |                     |
| 2-3km SW  | Heard     | 18    | Burst     |              | HMG          | 23-Dec, 12:59       |                     |
| 2-3km SSE   | Heard     | 10    | Explosion | Undetermined | N/K          | 23-Dec, 13:40-13:50 |                     |
| 2-3km SSE   | Heard     | 20    | Burst     |              | Small arms   | 23-Dec, 13:40-13:50 |                     |
| 2-3km SSE   | Heard     | 6     | Explosion | Undetermined | N/K          | 23-Dec, 14:00-      |                     |

|  |             |          |    |            |   |                                       |                     |
|--|-------------|----------|----|------------|---|---------------------------------------|---------------------|
|  |             |          |    |            |   |                                       | 14:12               |
|  | 2-3km SSE   | Heard    | 16 | Burst      |   | HMG                                   | 23-Dec, 14:00-14:12 |
|  | 2-3km S     | Heard    | 2  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 14:25       |
|  | 3-4km S     | Heard    | 2  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 15:38       |
|  | 2-3km S     | Heard    | 1  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 16:20       |
| E edge of Kamianka (government-controlled, 20km N of Donetsk)                                    | 4-5km SE    | Heard    | 2  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 09:20       |
| SMM camera in Zolote (government-controlled, 60km W of Luhansk)                                  | 1.5-3km SSE | Recorded | 1  | Projectile | NNE to SSW (assessed as inside the disengagement area)    | N/K                                   | 23-Dec, 00:46       |
|  | 1.5-3km SE  | Recorded | 1  | Projectile | NE to SW (assessed as inside the disengagement area)      | N/K                                   | 23-Dec, 01:02       |
| 1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)                           | 2-4km SW    | Heard    | 10 | Shot       |   | Small arms                            | 23-Dec, 09:06-09:08 |
| Slovianoserbsk (non-government controlled, 28km NW of Luhansk)                                   | 5-15km NW   | Heard    | 37 | Explosion  | Impact  | Mortar (type N/K)                     | 23-Dec, 10:22-10:55 |
|  | 2-3km NW    | Heard    | 1  | Burst      |   | Small arms                            | 23-Dec, 10:30       |
|  | 2-5km W     | Heard    | 1  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 11:03       |
| W edge of Berezivske (non-government-controlled, 53km NW of Luhansk)                             | 2-3km WNW   | Heard    | 2  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 11:14-11:36 |
|  | 2-3km WNW   | Heard    | 19 | Burst      |   | Assessed as anti-aircraft gun (ZU-23) | 23-Dec, 11:14-11:36 |
|  | 2-3km WNW   | Heard    | 24 | Shot       |   | Small arms                            | 23-Dec, 11:14-11:36 |
|  | 10-15km SE  | Heard    | 4  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 11:14-11:36 |
|  |             |          |    |            |   |                                       |                     |
| 1km W of Kriakivka (government-controlled, 38km NW of Luhansk)                                   | 3-5km SW    | Heard    | 5  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 11:16-11:25 |
| 2km SW of Vesela Hora (non-government-controlled, 16km N of Luhansk)                             | 5-10km NNW  | Heard    | 2  | Explosion  | Undetermined  | N/K                                   | 23-Dec, 11:32       |
| E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)                         | 4-5km SW    | Heard    | 6  | Explosion  | Undetermined (assessed as outside the disengagement area) | N/K                                   | 23-Dec, 11:15-11:20 |
| Stanytsia Luhanska bridge (15km NE of Luhansk)   | 2-3km NW    | Heard    | 5  | Shot       | Assessed as outside the disengagement area                | Small arms                            | 23-Dec, 12:25       |
|  | 2-3km NW    | Heard    | 5  | Burst      | Assessed as outside the disengagement area                | Small arms                            | 23-Dec, 12:25       |
| 250m SSE of Stanytsia Luhanska bridge (non-government-controlled, 15km NE of Luhansk, inside the | 3-4km NW    | Heard    | 8  | Burst      | Assessed as outside the disengagement area                | HMG                                   | 23-Dec, 12:30       |

|   |         |       |   |           |              |     |                     |
|---|---------|-------|---|-----------|--------------|-----|---------------------|
| disengagement area)   |         |       |   |           |              |     |                     |
| 1.5km N of Trokhizbenka (government-controlled, 32km NW of Luhansk) | 1-2km S | Heard | 4 | Explosion | Undetermined | N/K | 23-Dec, 12:35-12:42 |



## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).