

**Table of ceasefire violations as of 20 February 2019<sup>1</sup>**

| <b>SMM position</b>  | <b>Event location</b> | <b>Means</b> | <b>No.</b> | <b>Observation</b> | <b>Description</b> | <b>Weapon</b> | <b>Date, time</b> |
|--|-----------------------|--------------|------------|--------------------|--------------------|---------------|-------------------|
| SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)    | 2-4km SSE             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:08     |
|  | 3-5km ESE             | Recorded     | 1          | Projectile         | ENE to WSW         | N/K           | 19-Feb, 17:18     |
|  | 3-5km ESE             | Recorded     | 7          | Projectile         | ENE to WSW         | N/K           | 19-Feb, 17:19     |
|  | 3-5km SSE             | Recorded     | 4          | Projectile         | WSW to ENE         | N/K           | 19-Feb, 17:54     |
|  | 4-6km SSE             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:54     |
|  | 3-5km SSE             | Recorded     | 2          | Projectile         | WSW to ENE         | N/K           | 19-Feb, 18:17     |
|  | 4-6km SSE             | Recorded     | 3          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:17     |
|  | 3-5km SSE             | Recorded     | 3          | Projectile         | WSW to ENE         | N/K           | 19-Feb, 18:18     |
|  | 4-6km SSE             | Recorded     | 5          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:18     |
| SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol) | 2-5km SSE             | Recorded     | 1          | Projectile         | SE to NW           | N/K           | 19-Feb, 19:37     |
|  | 2-4km SSE             | Recorded     | 2          | Projectile         | W to E             | N/K           | 19-Feb, 23:02     |
|  | 2-4km SSE             | Recorded     | 2          | Projectile         | W to E             | N/K           | 19-Feb, 23:07     |
|  | 2-4km SSE             | Recorded     | 3          | Projectile         | W to E             | N/K           | 19-Feb, 23:08     |
|  | 2-4km SSE             | Recorded     | 1          | Projectile         | W to E             | N/K           | 19-Feb, 23:09     |
|  | 2-4km SSE             | Recorded     | 3          | Projectile         | W to E             | N/K           | 19-Feb, 23:10     |
|  | 2-4km SSE             | Recorded     | 1          | Projectile         | NNW to SSE         | N/K           | 19-Feb, 23:37     |
|  | 2-4km SE              | Recorded     | 1          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 02:13     |
|  | 1-2km SE              | Recorded     | 5          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:41     |
|  | 1-2km SE              | Recorded     | 5          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:42     |
|  | 1-2km SE              | Recorded     | 7          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:43     |
|  | 1-2km SE              | Recorded     | 3          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:44     |
|  | 1-2km SSE             | Recorded     | 3          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:44     |
|  | 1-2km SSE             | Recorded     | 3          | Projectile         | NNE to SSW         | N/K           | 20-Feb, 17:59     |
| SMM camera at Donetsk Filtration Station (15km N of Donetsk)         | 1-2km SW              | Recorded     | 1          | Projectile         | WNW to ESE         | N/K           | 19-Feb, 17:12     |
|  | 0.7-1.2km SW          | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:15     |
|  | 0.5-1km SW            | Recorded     | 3          | Projectile         | ENE to WSW         | N/K           | 19-Feb, 17:18     |
|  | 0.5-1km SW            | Recorded     | 5          | Projectile         | ENE to WSW         | N/K           | 19-Feb, 17:19     |
|  | 0.7-1.2km SW          | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:19     |
|  | 1-2km SW              | Recorded     | 1          | Projectile         | WNW to ESE         | N/K           | 19-Feb, 17:49     |
|  | 1-2km SW              | Recorded     | 2          | Projectile         | WNW to ESE         | N/K           | 19-Feb, 17:51     |
|  | 2-3km SSW             | Recorded     | 2          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:51     |
|  | 0.7-1.2km S           | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:52     |
|  | 1-2km SW              | Recorded     | 3          | Projectile         | WNW to ESE         | N/K           | 19-Feb, 17:54     |
|  | 2-3km SSE             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:54     |
|  | 2-3km SSW             | Recorded     | 2          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:54     |
|  | 1-2km SSE             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 17:54     |
|  | 2-3km SSW             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:11     |
|  | 2-3km SSW             | Recorded     | 4          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:17     |
|  | 1-2km SW              | Recorded     | 1          | Projectile         | WNW to ESE         | N/K           | 19-Feb, 18:17     |
|  | 2-3km SSW             | Recorded     | 5          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:18     |
|  | 2-3km SSW             | Recorded     | 3          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:21     |
|  | 2-3km SSW             | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 18:50     |
|  | 2-3km S               | Recorded     | 1          | Explosion          | Undetermined       | N/K           | 19-Feb, 19:01     |
|  | 1-3km SW              | Recorded     | 6          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:25     |
|  | 1-3km SW              | Recorded     | 2          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:34     |
|  | 1-3km SW              | Recorded     | 1          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:41     |
|  | 1-3km SW              | Recorded     | 1          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:42     |
|  | 1-3km SW              | Recorded     | 4          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:43     |
|  | 1-3km SW              | Recorded     | 3          | Projectile         | SE to NW           | N/K           | 19-Feb, 21:44     |
|  | 0.5-1.5km S           | Recorded     | 2          | Projectile         | E to W             | N/K           | 19-Feb, 22:38     |

<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.

|  |              |          |    |              |              |               |               |
|--|--------------|----------|----|--------------|--------------|---------------|---------------|
|  | 0.5-1.5km S  | Recorded | 1  | Explosion    | Undetermined | N/K           | 19-Feb, 22:45 |
|  | 0.5-1.5km S  | Recorded | 1  | Explosion    | Undetermined | N/K           | 19-Feb, 22:49 |
|  | 0.3-1km S    | Recorded | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 00:47 |
|  | 0.3-1km SW   | Recorded | 1  | Projectile   | NW to SE     | N/K           | 20-Feb, 00:48 |
|  | 200-500m SW  | Recorded | 7  | Projectile   | NW to SE     | N/K           | 20-Feb, 00:49 |
|  | 2-4km SSW    | Recorded | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 03:38 |
|  | 0.5-1.5km SW | Recorded | 1  | Projectile   | SE to NW     | N/K           | 20-Feb, 04:49 |
|  | 200-500m SW  | Recorded | 5  | Muzzle flash |              | N/K           | 20-Feb, 04:57 |
|  | 1-2km SW     | Recorded | 1  | Explosion    | Airburst     | N/K           | 20-Feb, 05:03 |
|  | 2-4km SW     | Recorded | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 05:12 |
|  | 1-2km SSW    | Recorded | 9  | Projectile   | W to E       | N/K           | 20-Feb, 17:37 |
|  | 1-2km SSW    | Recorded | 10 | Projectile   | W to E       | N/K           | 20-Feb, 17:40 |
|  | 1-2km SSW    | Recorded | 2  | Explosion    | Undetermined | N/K           | 20-Feb, 17:40 |
|  | 1-2km SSW    | Recorded | 3  | Projectile   | W to E       | N/K           | 20-Feb, 17:41 |
|  | 1-2km SSW    | Recorded | 2  | Projectile   | E to W       | N/K           | 20-Feb, 17:41 |
|  | 1-2km SSW    | Recorded | 2  | Projectile   | W to E       | N/K           | 20-Feb, 17:47 |
|  | 0.5-1km SSW  | Recorded | 1  | Muzzle flash |              | N/K           | 20-Feb, 18:05 |
| SMM camera<br>1.5km NE of<br>Hnutove<br>(government-<br>controlled,<br>20km NE of<br>Mariupol)                     | 3-5km ESE    | Recorded | 8  | Projectile   | SSW to NNE   | N/K           | 19-Feb, 23:32 |
|  | 3-5km ENE    | Recorded | 2  | Projectile   | NNW to SSE   | N/K           | 20-Feb, 01:31 |
|  | 3-5km ESE    | Recorded | 7  | Projectile   | SSW to NNE   | N/K           | 20-Feb, 01:46 |
|  | 3-5km ESE    | Recorded | 10 | Projectile   | SSW to NNE   | N/K           | 20-Feb, 01:47 |
|  | 3-5km ESE    | Recorded | 4  | Projectile   | SSW to NNE   | N/K           | 20-Feb, 01:48 |
| SMM camera in<br>Kriakivka<br>(government-<br>controlled,<br>38km NW of<br>Luhansk)                                | 2-5km SSW    | Recorded | 2  | Projectile   | ESE to WNW   | N/K           | 19-Feb, 22:24 |
|  | 2-5km SSW    | Recorded | 1  | Explosion    | Undetermined | N/K           | 19-Feb, 22:24 |
| SMM camera at<br>entry-exit<br>checkpoint in<br>Maiorsk<br>(government-<br>controlled,<br>45km NE of<br>Donetsk)   | 3-5km E      | Recorded | 1  | Projectile   | SW to NE     | N/K           | 19-Feb, 19:48 |
|  | 2-3km E      | Recorded | 1  | Projectile   | W to E       | N/K           | 20-Feb, 17:28 |
|  | 2-3km E      | Recorded | 1  | Projectile   | E to W       | N/K           | 20-Feb, 17:28 |
| SMM camera at<br>Oktiabr mine<br>(non-<br>government-<br>controlled, 9km<br>NW of Donetsk<br>city centre)          | 2-4km NE     | Recorded | 2  | Projectile   | NW to SE     | N/K           | 19-Feb, 18:17 |
|  | 2-4km NE     | Recorded | 1  | Explosion    | Undetermined | N/K           | 19-Feb, 18:17 |
|  | 2-4km NE     | Recorded | 4  | Projectile   | NW to SE     | N/K           | 19-Feb, 18:18 |
|  | 2-4km NE     | Recorded | 4  | Explosion    | Undetermined | N/K           | 19-Feb, 18:18 |
| SMM camera at<br>entry-exit<br>checkpoint in<br>Pyshevyk<br>(government-<br>controlled,<br>25km NE of<br>Mariupol) | 1-3km SSE    | Recorded | 2  | Projectile   | NE to SW     | N/K           | 20-Feb, 03:11 |
| SE part of<br>Avdiivka<br>(government-<br>controlled,<br>17km N of<br>Donetsk)                                     | 2-4km S      | Heard    | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 12:00 |
|  | 2-4km E      | Heard    | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 13:38 |
|  | 2-4km S      | Heard    | 2  | Explosion    | Undetermined | N/K           | 20-Feb, 13:44 |
|  | 2-4km S      | Heard    | 2  | Explosion    | Undetermined | N/K           | 20-Feb, 13:47 |
| Donetsk city<br>centre (non-<br>government-<br>controlled)   | 1-2km NNE    | Heard    | 5  | Burst        |              | Small<br>arms | 20-Feb, 09:18 |
|  | 1km W        | Heard    | 2  | Shot         |              | Small<br>arms | 20-Feb, 09:16 |
|  | 1km E        | Heard    | 2  | Shot         |              | Small<br>arms | 20-Feb, 09:16 |
| Donetsk central  | 2-3km NW     | Heard    | 1  | Explosion    | Undetermined | N/K           | 20-Feb, 08:39 |

|   |           |       |      |           |              |               |                     |
|---|-----------|-------|------|-----------|--------------|---------------|---------------------|
| railway station (non-government-controlled, 6km NW of Donetsk city centre)                        | 2-3km WNW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 08:52       |
|   | 3-4km WNW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 09:13       |
| Molochne (non-government-controlled, 68km E of Donetsk)   | 2-4km NW  | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 12:37       |
|   | 2-4km NW  | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 12:44       |
|   | 2-4km NW  | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 12:50       |
| About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk) | 1-2km WSW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 09:16       |
|   | 1-2km WSW | Heard | 3    | Explosion | Undetermined | N/K           | 20-Feb, 09:16-09:20 |
|   | 3-4km NNW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 09:48       |
|   | 3-4km NNW | Heard | 8    | Burst     |              | HMG           | 20-Feb, 09:48-09:52 |
|   | 3-4km NNW | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 09:59       |
|   | 1-2km WSW | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 10:09       |
|   | 1-2km W   | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 10:24       |
|   | 1km WSW   | Heard | 15   | Shot      |              | Small arms    | 20-Feb, 10:32       |
|   | 2-3km WSW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 13:38       |
|   | 2-3km WSW | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 13:43       |
|   | 2-3km WSW | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 13:46       |
| 1-2km NW  | Heard     | 3     | Shot |           | Small arms   | 20-Feb, 13:55 |                     |
| Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)                     | 2-3km WSW | Heard | 3    | Explosion | Undetermined | N/K           | 20-Feb, 12:25-12:35 |
|   | 3-4km WSW | Heard | 1    | Explosion | Undetermined | N/K           | 20-Feb, 12:45       |
|   | 3-4km WSW | Heard | 10   | Shot      |              | HMG           | 20-Feb, 12:55       |
| 3km NE of Zaichenko (non-government-controlled, 26km NE of Mariupol)                              | 4-5km WSW | Heard | 6    | Explosion | Undetermined | N/K           | 20-Feb, 10:13-10:15 |
| 1km NE of Zaichenko (non-government-controlled, 26km NE of Zaichenko)                             | 3km SW    | Heard | 1    | Burst     |              | Small arms    | 20-Feb, 10:34-10:36 |
|   | 3km SW    | Heard | 4    | Shot      |              | Small arms    | 20-Feb, 10:34-10:36 |
|   | 3km SW    | Heard | 3    | Explosion | Undetermined | N/K           | 20-Feb, 10:34-10:36 |
| Pikuzy (formerly Kominternove, non-government-controlled, 23km NE of Mariupol)                    | 4-5km S   | Heard | 3    | Explosion | Undetermined | N/K           | 20-Feb, 11:17-11:22 |
|   | 4-5km S   | Heard | 8    | Burst     |              | Small arms    | 20-Feb, 11:17-11:22 |
| 600m W of Verkhnoшыroki vske (formerly Oktiabr, non-government-controlled, 29km NE of Mariupol)   | 4-5km SW  | Heard | 4    | Shot      |              | Small arms    | 20-Feb, 09:30-09:40 |
|   | 4-5km SW  | Heard | 2    | Explosion | Undetermined | N/K           | 20-Feb, 09:30-09:40 |
| Trudivske (government-controlled, 47km S of   | N/K SW    | Heard | 7    | Shot      |              | Small arms    | 20-Feb, 09:34       |

|   |           |       |       |           |              |                     |                     |
|---|-----------|-------|-------|-----------|--------------|---------------------|---------------------|
| Donetsk)  |           |       |       |           |              |                     |                     |
| 2km SW of Pyshevyk (government-controlled, 25km NE of Mariupol)                                       | N/K SSE   | Heard | 6     | Burst     |              | HMG                 | 20-Feb, 10:04-10:06 |
|   | N/K SSE   | Heard | 1     | Shot      |              | N/K                 | 20-Feb, 10:04-10:06 |
|   | N/K SSE   | Heard | 13    | Explosion | Undetermined | N/K                 | 20-Feb, 10:04-10:06 |
| 1km NNW of Pyshevyk (government-controlled, 25km NE of Mariupol)                                      | 3-4km SSE | Heard | 5     | Burst     |              | HMG                 | 20-Feb, 10:13-10:14 |
|   | N/K SE    | Heard | 1     | Explosion | Undetermined | N/K                 | 20-Feb, 14:03       |
| Svobodne (government-controlled, 55km S of Donetsk)   | 2-4km S   | Heard | 40    | Burst     |              | Small arms          | 20-Feb, 13:23-13:26 |
|   | 2-4km S   | Heard | 3     | Shot      |              | Small arms          | 20-Feb, 13:23-13:26 |
| 2.5km SE of Khreshchatytske (formerly Krasnoarmiiske, non-government-controlled, 33km NE of Mariupol) | 4-5km S   | Heard | 8     | Explosion | Undetermined | N/K                 | 20-Feb, 14:03       |
| Svitlodarsk (government-controlled, 57km NE of Donetsk)   | 3-5km SW  | Heard | 5     | Burst     |              | HMG                 | 19-Feb, 19:50-19:52 |
|   | 4-6km SW  | Heard | 3     | Explosion | Undetermined | N/K                 | 19-Feb, 19:58-20:00 |
|   | 4-6km SW  | Heard | 2     | Explosion | Undetermined | N/K                 | 19-Feb, 20:05-20:06 |
|   | 3-5km W   | Heard | 4     | Burst     |              | HMG                 | 19-Feb, 21:25-21:26 |
|   | 4-6km W   | Heard | 2     | Explosion | Undetermined | N/K                 | 19-Feb, 21:29-21:30 |
|   | 3-5km SE  | Heard | 5     | Burst     |              | HMG                 | 19-Feb, 22:20-22:23 |
|   | 3-5km SE  | Heard | 3     | Burst     |              | HMG                 | 19-Feb, 22:25-22:27 |
|   | 3-5km SE  | Heard | 9     | Burst     |              | HMG                 | 19-Feb, 22:38-22:41 |
|   | 4-6km SE  | Heard | 1     | Explosion | Undetermined | N/K                 | 19-Feb, 22:44       |
|   | 3-5km SE  | Heard | 4     | Burst     |              | HMG                 | 19-Feb, 22:45-22:47 |
|   | 4-6km SE  | Heard | 1     | Explosion | Undetermined | N/K                 | 19-Feb, 22:48       |
|   | 3-5km SE  | Heard | 9     | Burst     |              | HMG                 | 19-Feb, 22:54-22:57 |
|   | 3-5km SE  | Heard | 14    | Burst     |              | HMG                 | 19-Feb, 22:59-23:03 |
|   | 4-6km SE  | Heard | 2     | Explosion | Undetermined | N/K                 | 19-Feb, 23:04-23:05 |
|   | 3-5km SE  | Heard | 21    | Burst     |              | HMG                 | 19-Feb, 23:05-23:09 |
|   | 3-5km SE  | Heard | 12    | Burst     |              | HMG                 | 19-Feb, 23:11-23:13 |
|   | 3-5km SE  | Heard | 4     | Burst     |              | HMG                 | 19-Feb, 23:17-23:19 |
|   | 4-6km SE  | Heard | 2     | Explosion | Undetermined | N/K                 | 19-Feb, 23:21-23:22 |
|   | 3-5km SE  | Heard | 4     | Burst     |              | HMG                 | 19-Feb, 23:24-23:25 |
|   | 4-6km SE  | Heard | 1     | Explosion | Undetermined | N/K                 | 19-Feb, 23:26       |
| 3-5km SE  | Heard     | 5     | Burst |           | HMG          | 19-Feb, 23:27-23:29 |                     |

|  |           |       |    |           |              |               |                     |
|--|-----------|-------|----|-----------|--------------|---------------|---------------------|
|  | 4-6km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 19-Feb, 23:34       |
|  | 4-6km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 19-Feb, 23:37-23:39 |
|  | 3-5km SE  | Heard | 9  | Burst     |              | HMG           | 19-Feb, 23:48-23:51 |
|  | 3-5km SE  | Heard | 10 | Burst     |              | HMG           | 19-Feb, 23:55-23:57 |
|  | 4-6km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 19-Feb, 23:58       |
|  | 4-6km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 10:13       |
|  | 2-4km SW  | Heard | 10 | Burst     |              | HMG           | 20-Feb, 10:16-10:20 |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 10:17       |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 10:22-10:24 |
|  | 4-6km SE  | Heard | 1  | Explosion | Undetermined | N/K           | 20-Feb, 10:27       |
|  | 5-7km SW  | Heard | 5  | Explosion | Undetermined | N/K           | 20-Feb, 10:37       |
|  | 2-5km SW  | Heard | 7  | Burst     |              | HMG           | 20-Feb, 10:37-10:38 |
|  | 5-7km SW  | Heard | 10 | Explosion | Undetermined | N/K           | 20-Feb, 10:39-10:41 |
|  | 3-5km SW  | Heard | 13 | Burst     |              | HMG           | 20-Feb, 10:42-10:44 |
|  | 5-7km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 10:44-10:45 |
|  | 5-7km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 20-Feb, 10:48-10:50 |
|  | 5-7km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 10:54       |
|  | 5-7km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 11:06-11:08 |
|  | 5-7km E   | Heard | 1  | Explosion | Undetermined | N/K           | 20-Feb, 11:12       |
|  | 5-7km NW  | Heard | 1  | Explosion | Undetermined | N/K           | 20-Feb, 11:19       |
|  | 5-7km SE  | Heard | 5  | Explosion | Undetermined | N/K           | 20-Feb, 11:36-11:38 |
|  | 3-5km SE  | Heard | 3  | Burst     |              | HMG           | 20-Feb, 11:38       |
|  | 5-7km NE  | Heard | 3  | Explosion | Undetermined | N/K           | 20-Feb, 11:39-11:40 |
|  | 5-7km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 20-Feb, 12:15-12:19 |
|  | 5-7km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 20-Feb, 12:24-12:27 |
|  | 5-7km SE  | Heard | 1  | Explosion | Undetermined | N/K           | 20-Feb, 12:34       |
|  | 5-7km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 13:13       |
|  | 5-7km SE  | Heard | 6  | Explosion | Undetermined | N/K           | 20-Feb, 13:51-13:54 |
|  | 5-7km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 20-Feb, 14:01-14:04 |
|  | 5-7km SE  | Heard | 5  | Explosion | Undetermined | N/K           | 20-Feb, 14:06-14:10 |
|  | 5-7km SE  | Heard | 4  | Explosion | Undetermined | N/K           | 20-Feb, 14:15-14:18 |
|  | 5-7km SW  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 14:25-14:27 |
|  | 5-7km SW  | Heard | 3  | Explosion | Undetermined | N/K           | 20-Feb, 14:30-14:33 |
|  | 5-7km SW  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 14:43       |
|  | 5-7km SE  | Heard | 2  | Explosion | Undetermined | N/K           | 20-Feb, 14:46       |
| Horlivka (non-government-controlled, 39km NE of Donetsk) | 6-8km WNW | Heard | 20 | Burst     |              | HMG           | 19-Feb, 19:00-19:03 |
|  | 6-8km WNW | Heard | 5  | Explosion | Undetermined | N/K           | 19-Feb, 19:00-19:03 |
|  | 6-8km WNW | Heard | 30 | Burst     |              | HMG           | 19-Feb, 19:10-19:15 |
|  | 6-8km WNW | Heard | 17 | Burst     |              | Cannon (30mm) | 19-Feb, 19:20-19:25 |
|  | 6-8km WNW | Heard | 20 | Burst     |              | HMG           | 19-Feb, 19:27-      |

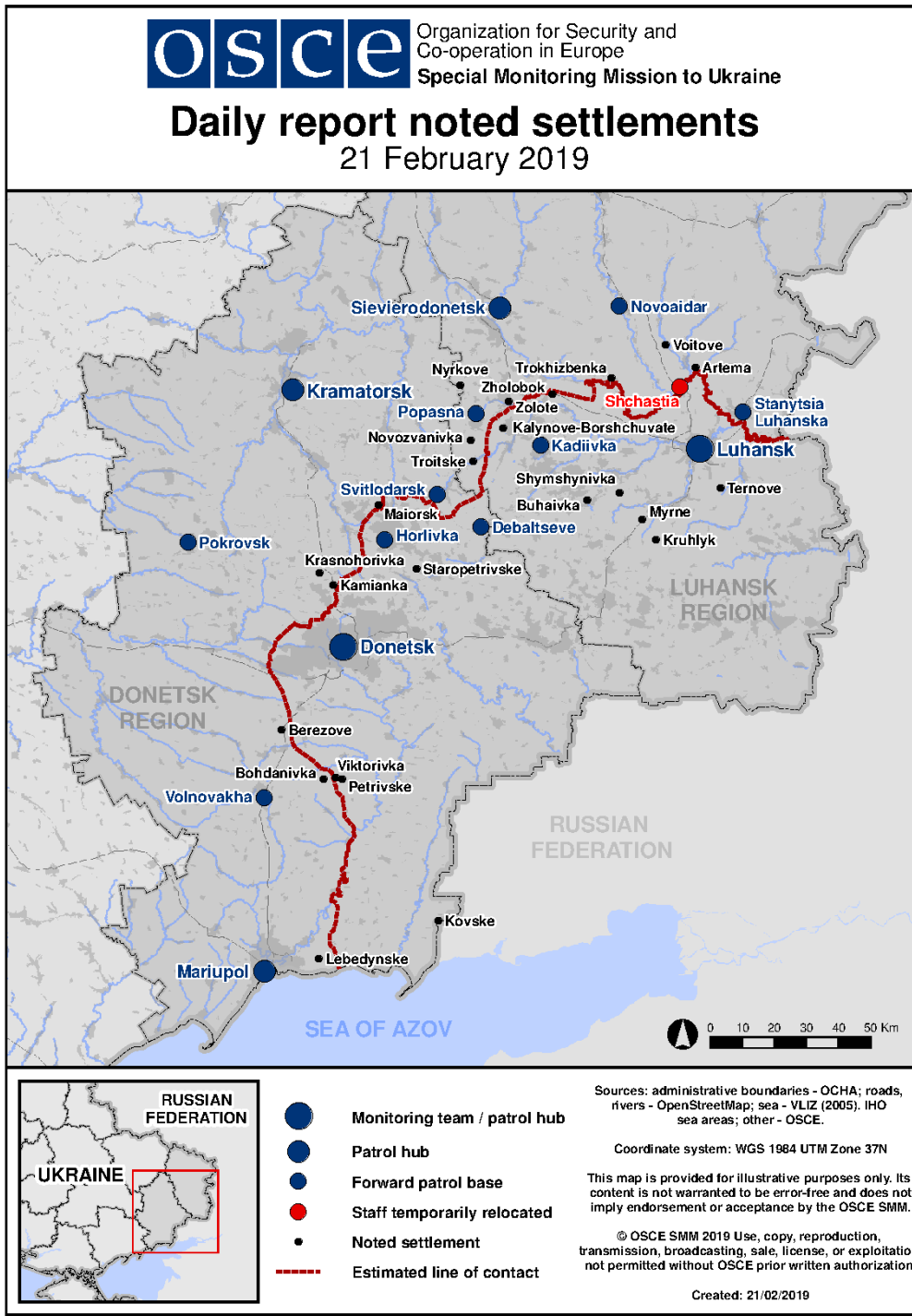
|           |       |     |           |              |               |  |                     |
|-----------|-------|-----|-----------|--------------|---------------|--|---------------------|
|           |       |     |           |              |               |  | 19:30               |
| 6-8km WNW | Heard | 13  | Explosion | Undetermined | N/K           |  | 19-Feb, 19:27-19:30 |
| 6-8km WNW | Heard | 25  | Burst     |              | HMG           |  | 19-Feb, 19:35-19:40 |
| 6-8km WNW | Heard | 17  | Burst     |              | Cannon (30mm) |  | 19-Feb, 19:35-19:40 |
| 6-8km WNW | Heard | 12  | Explosion | Undetermined | N/K           |  | 19-Feb, 19:35-19:40 |
| 6-8km WNW | Heard | 30  | Burst     |              | HMG           |  | 19-Feb, 19:45-19:55 |
| 6-8km WNW | Heard | 7   | Explosion | Undetermined | N/K           |  | 19-Feb, 19:45-19:55 |
| 6-8km WNW | Heard | 25  | Burst     |              | HMG           |  | 19-Feb, 19:58-20:00 |
| 6-8km WNW | Heard | 5   | Explosion | Undetermined | N/K           |  | 19-Feb, 19:58-20:00 |
| 6-8km WNW | Heard | 15  | Burst     |              | Cannon (30mm) |  | 19-Feb, 20:03-20:05 |
| 6-8km WNW | Heard | 30  | Burst     |              | HMG           |  | 19-Feb, 20:03-20:05 |
| 6-8km WNW | Heard | 4   | Explosion | Undetermined | N/K           |  | 19-Feb, 20:03-20:05 |
| 6-8km WNW | Heard | 10  | Burst     |              | Cannon (30mm) |  | 19-Feb, 20:30-20:35 |
| 6-8km WNW | Heard | 26  | Burst     |              | HMG           |  | 19-Feb, 20:30-20:40 |
| 6-8km WNW | Heard | 7   | Explosion | Undetermined | N/K           |  | 19-Feb, 20:30-20:40 |
| 6-8km WNW | Heard | 20  | Burst     |              | HMG           |  | 19-Feb, 21:12-21:17 |
| 6-8km WNW | Heard | 5   | Burst     |              | Cannon (30mm) |  | 19-Feb, 21:12-21:17 |
| 6-8km WNW | Heard | 4   | Explosion | Undetermined | N/K           |  | 19-Feb, 21:12-21:17 |
| 6-8km WNW | Heard | 10  | Burst     |              | HMG           |  | 19-Feb, 21:21-21:25 |
| 6-8km WNW | Heard | 3   | Explosion |              | N/K           |  | 19-Feb, 21:21-21:25 |
| 6-8km WNW | Heard | 15  | Burst     |              | Cannon (30mm) |  | 19-Feb, 21:21-21:25 |
| 6-8km WNW | Heard | 2   | Explosion | Undetermined | N/K           |  | 19-Feb, 21:29-21:32 |
| 6-8km WNW | Heard | 30  | Burst     |              | Cannon (30mm) |  | 19-Feb, 21:42-21:44 |
| 6-8km WNW | Heard | 4   | Explosion | Outgoing     | N/K           |  | 19-Feb, 21:42-21:44 |
| 6-8km WNW | Heard | 7   | Burst     |              | HMG           |  | 19-Feb, 21:59       |
| 6-8km WNW | Heard | 2   | Explosion | Undetermined | N/K           |  | 19-Feb, 21:59       |
| 6-8km WNW | Heard | 2   | Explosion | Undetermined | N/K           |  | 19-Feb, 22:12       |
| 6-8km WNW | Heard | 50  | Burst     |              | HMG           |  | 20-Feb, 11:34-11:40 |
| 6-8km WSW | Heard | 15  | Explosion | Undetermined | N/K           |  | 20-Feb, 15:59-16:10 |
| 6-8km WSW | Heard | 45  | Burst     |              | HMG           |  | 20-Feb, 15:59-16:10 |
| 6-8km WNW | Heard | 30  | Explosion | Undetermined | N/K           |  | 20-Feb, 16:50-17:00 |
| 6-8km WNW | Heard | 115 | Burst     |              | HMG           |  | 20-Feb, 16:50-17:00 |
| 6-8km WNW | Heard | 11  | Explosion | Undetermined | N/K           |  | 20-Feb, 17:02-17:04 |
| 6-8km WNW | Heard | 30  | Burst     |              | HMG           |  | 20-Feb, 17:02-17:04 |
| 6-8km WNW | Heard | 7   | Explosion | Undetermined | N/K           |  | 20-Feb, 17:17-      |

|   |             |               |       |            |   |                 |                     |
|---|-------------|---------------|-------|------------|---|-----------------|---------------------|
|   |             |               |       |            |   |                 | 17:20               |
|   | 6-8km WNW   | Heard         | 6     | Explosion  | Undetermined  | N/K             | 20-Feb, 17:21-17:24 |
|   | 6-8km WNW   | Heard         | 65    | Burst      |   | HMG             | 20-Feb, 17:39-17:50 |
|   | 6-8km WNW   | Heard         | 3     | Burst      |   | HMG             | 20-Feb, 17:52       |
|   | 6-8km WNW   | Heard         | 10    | Burst      |   | HMG             | 20-Feb, 17:54       |
|   | 6-8km WNW   | Heard         | 10    | Burst      |   | HMG             | 20-Feb, 18:00       |
|   | 5-7km W     | Heard         | 5     | Burst      |   | Cannon (30mm)   | 20-Feb, 18:20       |
|   | 5-7km W     | Heard         | 10    | Explosion  | Undetermined  | N/K             | 20-Feb, 18:20       |
|   | 6-8km WNW   |               | 9     | Explosion  | Undetermined  | N/K             | 20-Feb, 18:23-18:30 |
| About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)          | 2-3km SE    | Heard         | 1     | Explosion  | Undetermined  | N/K             | 20-Feb, 11:53       |
| Maiorsk (government-controlled, 45km NE of Donetsk)                           | 2-3km S     | Heard         | 20    | Burst      |   | Small arms      | 20-Feb, 10:30-10:39 |
|   | 2-3km S     | Heard         | 5     | Explosion  | Undetermined  | N/K             | 20-Feb, 10:30-10:39 |
|   | 5-6km SSE   | Heard         | 3     | Explosion  | Undetermined  | N/K             | 20-Feb, 11:42-11:44 |
|   | 5-6km SSE   | Heard         | 3     | Explosion  | Undetermined  | N/K             | 20-Feb, 11:46-11:48 |
|   | 5-6km SSE   | Heard         | 12    | Explosion  | Undetermined  | N/K             | 20-Feb, 11:55-12:05 |
|   | 3-4km SSE   | Heard         | 3     | Burst      |   | HMG             | 20-Feb, 12:10       |
|   | 3-4km SSE   | Heard         | 10    | Explosion  | Undetermined  | N/K             | 20-Feb, 12:15-12:20 |
|   | 2-4km SSE   | Heard         | 20    | Burst      |   | HMG             | 20-Feb, 12:25-12:35 |
|   | 2-4km SSE   | Heard         | 11    | Explosion  | Undetermined  | N/K             | 20-Feb, 12:25-12:35 |
| 3-5km E   | Heard       | 1             | Burst |            | HMG   | 20-Feb, 13:45   |                     |
| About 2km N of Staropetrivske (non-government-controlled, 35km NE of Donetsk) | 1-1.5km WNW | Heard and saw | 55    | Explosion  | Outgoing  | Tank (type N/K) | 20-Feb, 10:29-10:43 |
| SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)           | 2-5km SSW   | Recorded      | 2     | Projectile | ESE to WNW  | N/K             | 19-Feb, 22:24       |
|   | 2-5km SSW   | Recorded      | 1     | Explosion  | Undetermined  | N/K             | 19-Feb, 22:24       |
| N edge of Popasna (government-controlled, 69km W of Luhansk)                  | 1-3km SW    | Heard         | 34    | Explosion  | Outgoing  | N/K             | 20-Feb, 04:10-04:37 |
|   | 1-3km SW    | Heard         | 22    | Explosion  | Outgoing  | N/K             | 20-Feb, 05:22-05:42 |
|   | 5-10km NE   | Heard         | 10    | Explosion  | Undetermined  | N/K             | 20-Feb, 05:50-05:55 |
|   | 6-10km ENE  | Heard         | 1     | Explosion  | Undetermined  | N/K             | 20-Feb, 15:52-15:53 |
| 1.5km SW of Molodizhne (non-government-controlled, 63km NW of Luhansk)        | 1-2km WNW   | Heard         | 1     | Explosion  | Undetermined (assessed as outside the disengagement area near Zolote) |                 | 20-Feb, 09:16       |
| 1.3km SE of   | 2-3km N     | Heard         | 5     | Explosion  | Undetermined  |                 | 20-Feb, 12:03-      |

|  |             |       |    |           |  |            |                     |
|--|-------------|-------|----|-----------|--|------------|---------------------|
| Molodizhne (non-government-controlled, 63km NW of Luhansk)                     |             |       |    |           | (assessed as inside the disengagement area near Zolote)              |            | 12:05               |
| 2km W of Kriakivka (government-controlled, 38km NW of Luhansk)                 | 1-2km SE    | Heard | 53 | Shot      |  | Small arms | 20-Feb, 11:10-11:27 |
| Kriakivka (government-controlled, 38km NW of Luhansk)                          | 5-7km SW    | Heard | 2  | Explosion |  | N/K        | 20-Feb, 13:15-13:16 |
| 1.4km SE of Druzhba (government-controlled, 76km W of Luhansk)                 | 8-15km S    | Heard | 13 | Explosion | Undetermined   |            | 20-Feb, 10:45-11:10 |
| Slovianoserbsk (non-government-controlled, 28km NW of Luhansk)                 | 1.5-2km WSW | Heard | 10 | Burst     |  | Small arms | 20-Feb, 12:25-12:45 |
| W edge of Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk) | 3-4km NNE   | Heard | 40 | Explosion | Undetermined (assessed as inside the disengagement area near Zolote) | N/K        | 20-Feb, 12:42-12:50 |
|  | 3-4km NNE   | Heard | 9  | Burst     | Assessed as inside the disengagement area near Zolote                | HMG        | 20-Feb, 12:42-12:50 |
| W edge of Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)         | 1-2km W     | Heard | 2  | Explosion | Outgoing   | N/K        | 20-Feb, 13:20-13:21 |
|  | 3-5km S     | Heard | 2  | Explosion | Impact (assessed as outside the disengagement area)                  | N/K        | 20-Feb, 13:22-13:23 |
| N edge of Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)         | 5-7km SW    | Heard | 3  | Explosion | Outgoing   | N/K        | 20-Feb, 13:40-13:41 |



## 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).