

**Table of ceasefire violations as of 3 May 2019<sup>1</sup>**

| SMM position   | Event location | Means    | No.          | Observation | Description        | Weapon       | Date, time   |
|--|----------------|----------|--------------|-------------|--------------------|--------------|--------------|
| SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)   | 8-10km S       | Recorded | 3            | Projectile  | E to W             | N/K          | 2-May, 20:52 |
|  | 3-4km S        | Recorded | 2            | Explosion   | Undetermined       | N/K          | 2-May, 22:10 |
|  | 2-4km SE       | Recorded | 5            | Projectile  | NE to SW           | N/K          | 2-May, 22:31 |
|  | 2-4km S        | Recorded | 1            | Projectile  | NE to SW           | N/K          | 2-May, 23:28 |
|  | 2-4km SE       | Recorded | 1            | Projectile  | NE to SW           | N/K          | 2-May, 23:30 |
|  | 2-4km SE       | Recorded | 1            | Projectile  | NE to SW           | N/K          | 2-May, 23:32 |
|  | 2-4km SSE      | Recorded | 1            | Projectile  | NE to SW           | N/K          | 2-May, 23:33 |
|  | 2-4km SSE      | Recorded | 2            | Projectile  | NE to SW           | N/K          | 2-May, 23:37 |
|  | 8-10km S       | Recorded | 12           | Projectile  | E to W             | N/K          | 2-May, 23:52 |
|  | 3-5km S        | Recorded | 2            | Projectile  | E to W             | N/K          | 3-May, 00:03 |
|  | 3-5km S        | Recorded | 1            | Projectile  | E to W             | N/K          | 3-May, 00:04 |
|  | 8-10km S       | Recorded | 4            | Projectile  | W to E             | N/K          | 3-May, 00:12 |
|  | 8-10km S       | Recorded | 5            | Projectile  | W to E             | N/K          | 3-May, 00:13 |
|  | 2-4km SSE      | Recorded | 1            | Projectile  | NE to SW           | N/K          | 3-May, 00:21 |
|  | 2-4km SSE      | Recorded | 6            | Projectile  | NE to SW           | N/K          | 3-May, 00:22 |
|  | 2-4km SSE      | Recorded | 10           | Projectile  | NE to SW           | N/K          | 3-May, 00:24 |
|  | 2-4km SSE      | Recorded | 2            | Projectile  | WSW to ENE         | N/K          | 3-May, 00:24 |
|  | 8-10km S       | Recorded | 4            | Projectile  | W to E             | N/K          | 3-May, 00:52 |
|  | 8-10km S       | Recorded | 3            | Projectile  | W to E             | N/K          | 3-May, 00:56 |
|  | 2-4km SSE      | Recorded | 1            | Projectile  | NNE to SSW         | N/K          | 3-May, 01:34 |
| 8-10km SSE   | Recorded       | 5        | Projectile   | WSW to ENE  | N/K                | 3-May, 02:56 |              |
| SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk) | 2-3km E        | Recorded | 4            | Projectile  | N to S             | N/K          | 2-May, 21:20 |
|  | 2-3km SE       | Recorded | 2            | Projectile  | NE to SW           | N/K          | 2-May, 21:40 |
|  | 2-3km E        | Recorded | 1            | Projectile  | N to S             | N/K          | 2-May, 21:44 |
|  | 2-3km SSE      | Recorded | 1            | Projectile  | NE to SW           | N/K          | 2-May, 22:16 |
|  | 2-3km SSE      | Recorded | 5            | Projectile  | ENE to WSW         | N/K          | 2-May, 23:21 |
|  | 2-3km SSE      | Recorded | 1            | Projectile  | ENE to WSW         | N/K          | 2-May, 23:22 |
|  | 2-3km SE       | Recorded | 9            | Projectile  | NE to SW           | N/K          | 2-May, 23:22 |
|  | 2-3km SSE      | Recorded | 2            | Projectile  | NE to SW           | N/K          | 3-May, 03:44 |
|  | 2-3km SE       | Recorded | 3            | Projectile  | In vertical flight | N/K          | 3-May, 03:55 |
|  | 2-3km SE       | Recorded | 1            | Projectile  | NE to SW           | N/K          | 3-May, 04:04 |
|  | 2-4km N        | Recorded | 2            | Projectile  | W to E             | N/K          | 2-May, 21:40 |
| 2-4km N  | Recorded       | 2        | Projectile   | E to W      | N/K                | 2-May, 23:21 |              |
| 2-4km N  | Recorded       | 7        | Muzzle flash |             | N/K                | 2-May, 23:22 |              |
| 2-4km N  | Recorded       | 7        | Projectile   | E to W      | N/K                | 2-May, 23:22 |              |
| 2-4km NNE  | Recorded       | 1        | Projectile   | E to W      | N/K                | 3-May, 03:18 |              |
| 2-4km  | Recorded       | 1        | Projectile   | E to W      | N/K                | 3-May, 03:19 |              |

<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.

|  |  |          |       |                    |              |              |              |              |
|--|--|----------|-------|--------------------|--------------|--------------|--------------|--------------|
|  | NNE  |          |       |                    |              |              |              |              |
|  | 2-4km NNE  | Recorded | 2     | Projectile         | E to W       | N/K          | 3-May, 03:23 |              |
| SMM camera at entry-exit checkpoint in Pyshecheyk (government-controlled, 25km NE of Mariupol) | 2-4km S  | Recorded | 8     | Projectile         | E to W       | N/K          | 2-May, 20:48 |              |
|  | 2-4km SSE  | Recorded | 3     | Projectile         | E to W       | N/K          | 2-May, 20:50 |              |
|  | 2-4km S  | Recorded | 2     | Projectile         | W to E       | N/K          | 2-May, 20:53 |              |
|  | 2-4km S  | Recorded | 2     | Projectile         | W to E       | N/K          | 2-May, 20:55 |              |
|  | 2-4km S  | Recorded | 2     | Projectile         | E to W       | N/K          | 2-May, 20:57 |              |
|  | 2-4km S  | Recorded | 1     | Explosion          | Undetermined | N/K          | 2-May, 21:19 |              |
|  | 2-4km S  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 21:24 |              |
|  | 2-4km S  | Recorded | 12    | Projectile         | E to W       | N/K          | 2-May, 21:47 |              |
|  | 2-4km S  | Recorded | 1     | Projectile         | W to E       | N/K          | 2-May, 21:55 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 22:59 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 23:01 |              |
|  | 2-4km S  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 23:01 |              |
|  | 2-4km S  | Recorded | 9     | Projectile         | W to E       | N/K          | 2-May, 23:02 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 23:02 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 2-May, 23:59 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 3-May, 00:04 |              |
|  | 2-4km S  | Recorded | 2     | Projectile         | W to E       | N/K          | 3-May, 00:12 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 3-May, 00:17 |              |
|  | 2-4km S  | Recorded | 3     | Projectile         | W to E       | N/K          | 3-May, 00:56 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 3-May, 01:24 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 3-May, 01:46 |              |
|  | 2-4km S  | Recorded | 2     | Projectile         | E to W       | N/K          | 3-May, 01:51 |              |
|  | 2-4km SSE  | Recorded | 1     | Projectile         | E to W       | N/K          | 3-May, 01:52 |              |
|  | 2-4km S  | Recorded | 1     | Explosion          | Undetermined | N/K          | 3-May, 02:03 |              |
|  | 2-4km S  | Recorded | 7     | Projectile         | W to E       | N/K          | 3-May, 02:07 |              |
|  | 2-4km SSE  | Recorded | 10    | Projectile         | W to E       | N/K          | 3-May, 02:37 |              |
|  | 2-4km SSE  | Recorded | 1     | Illumination flare | E to W       | N/K          | 3-May, 02:56 |              |
|  | Horlivka (non-government-controlled, 39km NE of Donetsk) | 4-6km SW | Heard | 16                 | Explosion    | Undetermined | N/K          | 2-May, 19:12 |
|  |  | 4-6km SW | Heard | 10                 | Explosion    | Undetermined | N/K          | 2-May, 19:26 |
|  |  | 4-6km SW | Heard | 4                  | Explosion    | Undetermined | N/K          | 2-May, 19:28 |
| 4-6km SW   |  | Heard    | 2     | Burst              |              | HMG          | 2-May, 19:30 |              |
| 4-6km SW   |  | Heard    | 2     | Burst              |              | HMG          | 2-May, 19:33 |              |
| 4-6km SW   |  | Heard    | 8     | Explosion          | Undetermined | N/K          | 2-May, 19:35 |              |
| 4-6km SW   |  | Heard    | 4     | Explosion          | Undetermined | N/K          | 2-May, 19:37 |              |
| 4-6km SW   |  | Heard    | 10    | Burst              |              | HMG          | 2-May, 19:39 |              |
| 4-6km SW   |  | Heard    | 3     | Explosion          | Undetermined | N/K          | 2-May, 19:41 |              |
| 2-4km SW   |  | Heard    | 6     | Burst              |              | Small arms   | 2-May, 19:41 |              |
| 4-6km SW   |  | Heard    | 4     | Explosion          | Undetermined | N/K          | 2-May, 19:44 |              |
| 4-6km SW   |  | Heard    | 9     | Burst              |              | Small arms   | 2-May, 19:48 |              |

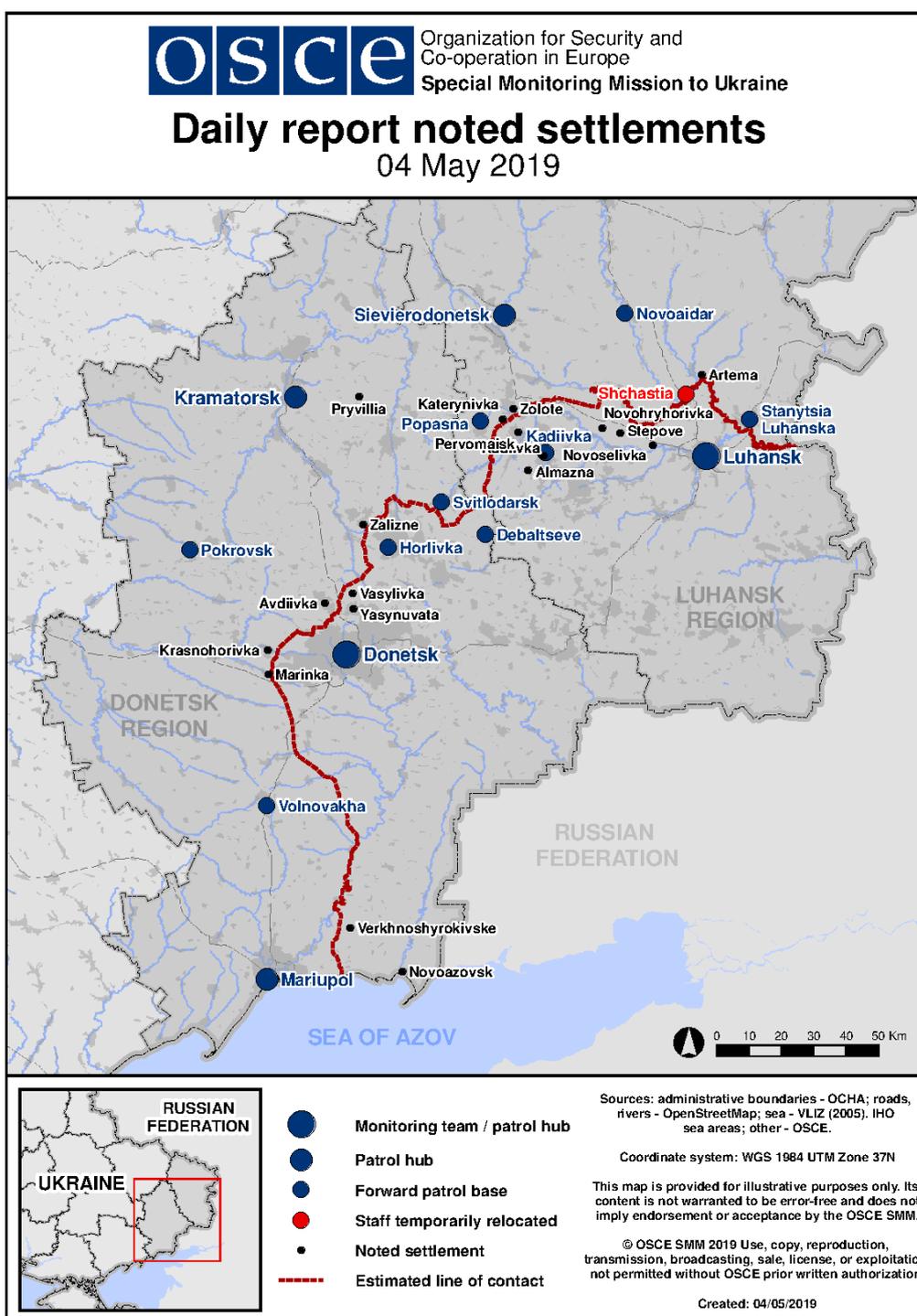
|  |           |       |    |           |              |            |              |
|--|-----------|-------|----|-----------|--------------|------------|--------------|
|  | SW        |       |    |           |              |            |              |
|  | 4-6km SW  | Heard | 3  | Explosion | Undetermined | N/K        | 2-May, 19:48 |
|  | 4-6km SW  | Heard | 3  | Burst     |              | HMG        | 2-May, 19:51 |
|  | 4-6km SW  | Heard | 10 | Explosion | Undetermined | N/K        | 2-May, 19:54 |
|  | 4-6km SW  | Heard | 4  | Explosion | Undetermined | N/K        | 2-May, 19:58 |
|  | 4-6km SW  | Heard | 7  | Burst     |              | HMG        | 2-May, 19:58 |
|  | 4-6km SW  | Heard | 3  | Explosion | Undetermined | N/K        | 2-May, 20:00 |
|  | 4-6km SW  | Heard | 1  | Explosion | Undetermined | N/K        | 2-May, 20:02 |
|  | 4-6km SW  | Heard | 3  | Explosion | Undetermined | N/K        | 2-May, 20:06 |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K        | 2-May, 20:12 |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K        | 2-May, 20:21 |
|  | 4-6km SW  | Heard | 3  | Explosion | Undetermined | N/K        | 2-May, 20:31 |
|  | 3-5km NW  | Heard | 15 | Burst     |              | Small arms | 2-May, 20:38 |
|  | 4-6km NW  | Heard | 2  | Explosion | Undetermined | N/K        | 2-May, 20:38 |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K        | 2-May, 20:53 |
|  | 4-6km SW  | Heard | 2  | Explosion | Undetermined | N/K        | 2-May, 20:58 |
|  | 4-6km SW  | Heard | 14 | Explosion | Undetermined | N/K        | 2-May, 21:04 |
|  | 3-5km NW  | Heard | 3  | Shot      |              | Small arms | 2-May, 21:49 |
|  | 3-5km NNW | Heard | 3  | Shot      |              | Small arms | 2-May, 22:02 |
|  | 3-5km NW  | Heard | 3  | Burst     |              | Small arms | 2-May, 22:20 |
| About 6km NW of Horlivka (non-government controlled, 39km NE of Donetsk) | 2-3km WNW | Heard | 3  | Shot      |              | Small arms | 3-May, 12:50 |
| About 2km SSE of Kamianka (government-controlled, 23km N of Donetsk)     | 4-6km SW  | Heard | 1  | Explosion | Undetermined | N/K        | 3-May, 09:08 |
| W edge of Zalizne (government-controlled, 42km NE of Donetsk)            | 4-5km E   | Heard | 1  | Explosion | Undetermined | N/K        | 3-May, 11:37 |
| About 1km S of Ukrainke (non-government-controlled, 36km NE of Mariupol) | N/K NNW   | Heard | 1  | Explosion | Undetermined | N/K        | 3-May, 12:28 |
| SE part of Avdiivka (government-controlled, 17km N of Donetsk)           | 4-6km WSW | Heard | 6  | Explosion | Undetermined | N/K        | 3-May, 08:58 |
|  | 3-4km SSW | Heard | 1  | Explosion | Undetermined | N/K        | 3-May, 09:05 |
|  | 2-3km SW  | Heard | 2  | Explosion | Undetermined | N/K        | 3-May, 09:07 |
|  | 2-3km SE  | Heard | 1  | Explosion | Undetermined | N/K        | 3-May, 09:35 |

|   |           |       |    |                  |              |            |                    |
|---|-----------|-------|----|------------------|--------------|------------|--------------------|
|   | 2-3km SE  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 09:42       |
|   | 2-3km SE  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 10:30       |
|   | 2-3km SE  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 11:16       |
|   | 2-3km SSE | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 11:36       |
|   | 2-3km SSE | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 11:40       |
|   | 2km SSE   | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 11:51       |
|   | 3-4km S   | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 12:13       |
|   | 2-3km S   | Heard | 30 | Shot             |              | Small arms | 3-May, 13:03       |
|   | 2-4km S   | Heard | 5  | Explosion        | Undetermined | N/K        | 3-May, 14:24-14:28 |
|   | 2-4km S   | Heard | 20 | Shot             |              | HMG        | 3-May, 14:24       |
|   | 2-3km S   | Heard | 3  | Explosion        | Undetermined | N/K        | 3-May, 14:27-14:32 |
|   | 2km S     | Heard | 2  | Explosion        | Outgoing     | N/K        | 3-May, 14:35       |
|   | 3-4km E   | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 14:36       |
|   | 2-3km S   | Heard | 1  | Explosion        | Outgoing     | N/K        | 3-May, 14:38       |
|   | 2-3km S   | Heard | 15 | Shot             |              | HMG        | 3-May, 14:38       |
|   | 3-4km SSE | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 14:43       |
|   | 3-4km SSW | Heard | 1  | Explosion        | Outgoing     | N/K        | 3-May, 14:44       |
|   | 2-3km SE  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 14:45       |
| About 2.8km SE of Donetsk city centre (non-government-controlled)                                 | 10-12km N | Heard | 7  | Explosion        | Undetermined | N/K        | 3-May, 08:38-08:45 |
|   | 10-12km N | Heard | 3  | Explosion        | Undetermined | N/K        | 3-May, 09:02       |
| Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)        | 1-2km W   | Heard | 9  | Shot             |              | Small arms | 3-May, 12:48-12:50 |
|   | 1-2km W   | Heard | 2  | Explosion        | Undetermined | N/K        | 3-May, 13:00       |
|   | 3-5km N   | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 14:27       |
| About 0.8km NE of Marinka (government-controlled, 23km SW of Donetsk)                             | 2-3km N   | Heard | 2  | Burst            |              | Small arms | 3-May, 10:43       |
|   | 2-3km W   | Heard | 38 | Shot             |              | Small arms | 3-May, 10:45-10:46 |
|   | 3-4km SW  | Heard | 10 | Burst            |              | Small arms | 3-May, 10:50       |
|   | 3-4km SW  | Heard | 25 | Shot             |              | Small arms | 3-May, 10:50       |
|   | 2-4km SW  | Heard | 21 | Shot             |              | Small arms | 3-May, 10:51-10:56 |
|   | 2-4km SW  | Heard | 1  | Burst            |              | Small arms | 3-May, 10:51-10:56 |
|   | 2-4km SW  | Heard | 14 | Shot             |              | Small arms | 3-May, 10:58-10:59 |
|   | 2-4km SW  | Heard | 41 | Shots and bursts |              | Small arms | 3-May, 11:00-11:07 |
| Oleksandrivka (non-government-controlled, 20km SW of Donetsk)                                     | 2km NW    | Heard | 2  | Shot             |              | Small arms | 3-May, 13:20       |
| About 1.5km NW of Yasynuvata (non-government-controlled, 16km NE of Donetsk)                      | 3-4km W   | Heard | 4  | Explosion        | Undetermined | N/K        | 3-May, 09:00-09:02 |
| About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk) | 3-4km SW  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 09:18       |
|   | 3-4km SW  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 09:35       |
|   | 3-4km SW  | Heard | 1  | Explosion        | Undetermined | N/K        | 3-May, 09:44       |
|   | 2-3km     | Heard | 48 | Burst            |              | HMG        | 3-May, 13:34-      |

|  |           |          |    |                  |  |                |                    |
|--|-----------|----------|----|------------------|--|----------------|--------------------|
|  | SW        |          |    |                  |  |                | 13:42              |
|  | 2-3km SW  | Heard    | 16 | Explosion        | Undetermined   | N/K            | 3-May, 13:34-13:42 |
|  | 2-3km SW  | Heard    | 12 | Shot             |  | HMG            | 3-May, 13:34-13:42 |
|  | 2-3km SW  | Heard    | 3  | Shot             |  | Small arms     | 3-May, 13:56-14:14 |
|  | 2-3km SW  | Heard    | 46 | Burst            |  | IFV (type N/K) | 3-May, 13:56-14:14 |
|  | 2-3km SW  | Heard    | 24 | Shot             |  | IFV (type N/K) | 3-May, 13:56-14:14 |
|  | 2-3km SW  | Heard    | 2  | Burst            |  | HMG            | 3-May, 14:18       |
|  | 2-3km SW  | Heard    | 46 | Explosion        | Undetermined   | N/K            | 3-May, 14:25-14:29 |
|  | 2-3km SW  | Heard    |    | Shots and bursts | Uncountable/overlapping  | HMG            | 3-May, 14:25-14:29 |
|  | 3-4km SW  | Heard    | 1  | Explosion        | Undetermined   | N/K            | 3-May, 10:20       |
| NW edge of Yasynuvata (non-government-controlled, 16km NE of Donetsk)      | 2-3km SW  | Heard    | 1  | Shot             |  | Small arms     | 3-May, 10:22       |
| Yasynuvata Railway station (non-government-controlled, 16km NE of Donetsk) | 3-4km W   | Heard    | 19 | Explosion        | Undetermined   | N/K            | 3-May, 14:43-14:53 |
|  | 3-4km W   | Heard    | 3  | Shot             |  | HMG            | 3-May, 14:43-14:53 |
|  | 3-4km W   | Heard    | 3  | Explosion        | Undetermined   | N/K            | 3-May, 15:44       |
| SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)        | 2-4km SSW | Recorded | 1  | Projectile       | ESE to WNW   | N/K            | 2-May, 21:45       |
| SMM camera in Zolote (government-controlled, 60km W of Luhansk)            | 2-4km SE  | Recorded | 1  | Explosion        | Undetermined (assessed as inside the disengagement area)         | N/K            | 2-May, 20:54       |
|  | 2-4km ESE | Recorded | 1  | Muzzle flash     | Assessed as outside the disengagement area                       | N/K            | 2-May, 22:19       |
|  | 2-4km E   | Recorded | 3  | Projectile       | SSW to NNE (assessed as outside the disengagement area)          | N/K            | 2-May, 22:54       |
|  | 2-4km E   | Recorded | 1  | Projectile       | NNW to SSE (assessed as outside the disengagement area)          | N/K            | 2-May, 22:54       |
|  | 2-4km E   | Recorded | 2  | Projectile       | N to S (assessed as outside the disengagement area)              | N/K            | 2-May, 22:56       |
|  | 2-4km E   | Recorded | 2  | Projectile       | S to N (assessed as outside the disengagement area)              | N/K            | 2-May, 23:04       |
|  | 2-4km E   | Recorded | 2  | Projectile       | S to N (assessed as outside the disengagement area)              | N/K            | 2-May, 23:04       |
| N edge of Popasna (government-controlled, 69km W of Luhansk)               | 5-7km SSE | Heard    | 1  | Explosion        | Undetermined (assessed as outside the Zolote disengagement area) | N/K            | 2-May, 19:40       |
|  | 7-10km    | Heard    | 1  | Explosion        | Undetermined   | N/K            | 2-May, 19:55       |

|  |            |       |   |           |  |            |                    |
|--|------------|-------|---|-----------|--|------------|--------------------|
|  | SE         |       |   |           | (assessed as outside the Zolote disengagement area)              |            |                    |
| E edge of Popasna (government-controlled, 69km W of Luhansk)                   | 5-10km ESE | Heard | 2 | Explosion | Undetermined (assessed as outside the Zolote disengagement area) | N/K        | 3-May, 16:35-16:37 |
| 2km S of Muratove (government-controlled, 51km NW of Luhansk)                  | 5-10km S   | Heard | 5 | Explosion | Undetermined   | N/K        | 3-May, 10:35-10:38 |
| SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk) | 1km N      | Heard | 4 | Shot      | Assessed as outside the disengagement area                       | Small arms | 3-May, 11:25       |
| E edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)            | 2-3km SSW  | Heard | 7 | Burst     | Assessed as outside the Zolote disengagement area                | HMG        | 3-May, 14:33-14:39 |
|  | 2-3km SSW  | Heard | 1 | Explosion | Undetermined (assessed as outside the Zolote disengagement area) | N/K        | 3-May, 14:33-14:39 |

## 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).