| SMM position  | Event location | Means    | No. | Observation           | Description        | Weapon | Date. time                     |
|---|----------------|----------|-----|-----------------------|--------------------|--------|--------------------------------|
| SMM camera in<br>Berezove<br>(government-<br>controlled, 31km<br>SW of Donetsk)                                 | 1-3km ESE      | Recorded | 1   | Projectile            | NNW to SSE         | N/K    | 29-Oct, 21:14                  |
|   | 1-3km ESE      | Recorded | 1   | Projectile            | NNW to SSE         | N/K    | 29-Oct, 21:16                  |
|   | 2-4km ESE      | Recorded | 1   | Explosion             | Undetermined       | N/K    | 29-Oct, 21:16                  |
|   | 1-3km ESE      | Recorded | 1   | Projectile            | NNE to SSW         | N/K    | 29-Oct, 21:17                  |
|   | 2-4km SE       | Recorded | 11  | Projectile            | SW to NE           | N/K    | 29-Oct, 21:19                  |
| SMM camera in<br>Chermalyk<br>(government-<br>controlled, 77km  | 3-5km SSE      | Recorded | 1   | Illumination flare    | In vertical flight | N/K    | 29-Oct, 18:28                  |
|   | 4-6km SSE      | Recorded | 1   | Illumination<br>flare | In vertical flight | N/K    | 29-Oct, 19:22                  |
| S of Donetsk)   | 2-4km SSE      | Recorded | 1   | Projectile            | ENE to WSW         | N/K    | 29-Oct, 23:56                  |
| SMM camera at<br>Donetsk  | 1-3km S        | Recorded | 1   | Illumination flare    | In vertical flight | N/K    | 29-Oct, 20:21                  |
| Filtration Station  | 1-3km SSW      | Recorded | 1   | Projectile            | NW to SE           | N/K    | 29-Oct, 20:30                  |
| (15km N of<br>Donetsk)  | 1-3km SSW      | Recorded | 1   | Projectile            | ENE to WSW         | N/K    | 29-Oct, 22:03                  |
| ,   | 3-5km E        | Recorded | 1   | Explosion             | Undetermined       | N/K    | 29-Oct, 19:16                  |
| SMM camera  | 3-5km ENE      | Recorded | 6   | Projectile            | S to N             | N/K    | 29-Oct, 22:22                  |
| 1.5km NE of   | 3-5km ENE      | Recorded | 1   | Projectile            | N to S             | N/K    | 29-Oct, 22:22                  |
| Hnutove   | 3-5km ENE      | Recorded | 1   | Muzzle flash          |                    | N/K    | 29-Oct, 22:22                  |
| (government-<br>controlled, 90km  | 3-5km ENE      | Recorded | 1   | Projectile            | S to N             | N/K    | 29-Oct, 22:23                  |
| S of Donetsk)   | 3-5km ENE      | Recorded | 5   | Projectile            | S to N             | N/K    | 29-Oct, 22:25                  |
| 5 of Donetsk)   | 3-5km ENE      | Recorded | 1   | Projectile            | S to N             | N/K    | 29-Oct, 23:15                  |
|   | 2-4km E        | Recorded | 1   | Muzzle flash          |                    | N/K    | 29-Oct, 19:04                  |
|   | 2-4km E        | Recorded | 1   | Projectile            | N to S             | N/K    | 29-Oct, 19:04                  |
|   | 1-3km E        | Recorded | 1   | Explosion             | Undetermined       | N/K    | 29-Oct, 19:06                  |
| SMM camera at   | 2-4km ENE      | Recorded | 1   | Projectile            | NNE to SSW         | N/K    | 29-Oct, 21:12                  |
| entry-exit  | 3-5km ENE      | Recorded | 25  | Projectile            | N to S             | N/K    | 29-Oct, 21:34                  |
| checkpoint in   | 3-5km ENE      | Recorded | 17  | Projectile            | N to S             | N/K    | 29-Oct, 21:35                  |
| Maiorsk<br>(government-   | 2.51 ENTE      | D 11     | 1   | Illumination          |                    |        |                                |
| controlled, 45km  | 3-5km ENE      | Recorded |     | flare                 | Undetermined       | N/K    | 29-Oct, 23:30                  |
| NE of Donetsk)  | 3-5km ENE      | Recorded | 1   | Illumination<br>flare | Undetermined       | N/K    | 29-Oct, 23:31                  |
|   | 3-5km ENE      | Recorded | 3   | Projectile            | N to S             | N/K    | 29-Oct, 23:31<br>29-Oct, 23:32 |
|   | 3-5km ENE      | Recorded | 1   | Projectile            | NE to SW           | N/K    | 30-Oct, 00:44                  |
| SMM camera at<br>entry-exit<br>checkpoint in<br>Marinka<br>(government-<br>controlled, 23km<br>SW of Donetsk)   | 2-4km N        | Recorded | 1   | Illumination          | In vertical flight | N/K    | 29-Oct, 21:04                  |
| SMM camera at<br>entry-exit<br>checkpoint in<br>Pyshchevyk<br>(government-<br>controlled, 84km<br>S of Donetsk) | 1-2km SSE      | Recorded | 3   | Projectile            | W to E             | N/K    | 29-Oct, 22:25                  |
|   | 1-2km SSE      | Recorded | 8   | Projectile            | W to E             | N/K    | 29-Oct, 23:13                  |
|   | 1-2km S        | Recorded | 3   | Projectile            | W to E             | N/K    | 30-Oct, 01:44                  |
|   | 1-2km S        | Recorded | 1   | Projectile            | In vertical flight | N/K    | 30-Oct, 01:44                  |

## Table of ceasefire violations as of 30 October 2019<sup>1</sup>

<sup>&</sup>lt;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.

|  | 1-3km NNE    | Recorded | 7  | Projectile   | W to E                 | N/K    | 30-Oct, 17:25  |
|--|--------------|----------|----|--------------|------------------------|--------|----------------|
| SMM camera at<br>entry-exit<br>checkpoint in | 4-6km NNE    | Recorded | 1  | Explosion    | Undetermined           | N/K    | 30-Oct, 17:25  |
|  | 1-3km NNE    | Recorded | 2  | Projectile   | W to E                 | N/K    | 30-Oct, 17:26  |
|  | 1-3km NNE    | Recorded | 7  | Projectile   | W to E                 | N/K    | 30-Oct, 17:27  |
|  | 2-4km NNE    | Recorded | 3  | Projectile   | W to E                 | N/K    | 30-Oct, 17:27  |
|  | 1-3km NNE    | Recorded | 24 | Projectile   | W to E                 | N/K    | 30-Oct, 17:28  |
|  | 2-4km NNE    | Recorded | 5  | Projectile   | W to E                 | N/K    | 30-Oct, 17:28  |
| Marinka                                      | 2-4km NNE    | Recorded | 1  | Explosion    | Airburst               | N/K    | 30-Oct, 17:28  |
| (government-<br>controlled, 23km             | 1-3km NNE    | Recorded | 1  | Projectile   | In vertical flight     | N/K    | 30-Oct, 17:30  |
| SW of Donetsk)                               | 1-3km NNE    | Recorded | 4  | Projectile   | W to E                 | N/K    | 30-Oct, 17:30  |
| Str of Donetsky                              | 1-3km NNE    | Recorded | 2  | Projectile   | SW to NE               | N/K    | 30-Oct, 17:30  |
|  | 1-3km NNE    | Recorded | 1  | Projectile   | SW to NE               | N/K    | 30-Oct, 17:31  |
|  |              |          |    | Illumination |                        | 1.0.11 |                |
|  | 2-4km N      | Recorded | 1  | flare        | In vertical flight     | N/K    | 29-Oct, 20:50  |
| About 1km N of                               | 2-3km W      | Heard    | 1  | Explosion    | Undetermined           | N/K    | 30-Oct, 08:52  |
| the railway                                  | 2-3km W      | Heard    | 1  | Explosion    | Undetermined           | N/K    | 30-Oct, 08:57  |
| station in                                   |              |          |    |              |                        | Small  |                |
| Yasynuvata                                   | 1-2km WSW    | Heard    | 1  | Burst        |                        | arms   | 30-Oct, 09:10  |
| (non-  | 3-5km S      | Heard    | 1  | Explosion    | Undetermined           | N/K    | 30-Oct, 09:25  |
| government-                                  |              |          | -  | 1            |                        |        |                |
| controlled, 16km<br>NE of Donetsk)           | 3-5km S      | Heard    | 1  | Explosion    | Undetermined           | N/K    | 30-Oct, 13:48  |
|  | 5-5KIII 5    | Heard    |    | Explosion    | Undetermined           | IN/K   | 30-001, 13:48  |
| Petrivske (non-<br>government-               |              |          |    |              | Assessed as inside     |        |                |
| controlled, 41 km                            |              |          | 2  |              | the disengagement      | Small  |                |
| S of Donetsk)                                | 1-2km SW     | Heard    |    | Shot         | area                   | arms   | 30-Oct, 10:20  |
| ·····,                                       |              |          |    |              | Undetermined           |        |                |
|  |              |          |    |              | (assessed as           |        |                |
|  |              |          | 1  |              | outside the            |        |                |
|  |              |          |    |              | disengagement          |        |                |
|  | 4-6km W      | Heard    |    | Explosion    | area)                  | N/K    | 30-Oct, 09:30  |
|  |              |          |    |              | Undetermined           |        |                |
|  |              |          |    |              | (assessed as           |        |                |
| About 2km N of                               |              |          | 1  |              | outside the            |        |                |
| Petrivske (non-                              | 2-4km WSW    | Heard    |    | Explosion    | disengagement<br>area) | N/K    | 30-Oct, 14:26  |
| government-<br>controlled, 41km              | 2-4KIII W SW | Healu    |    | Explosion    | Undetermined           | IN/K   | 30-000, 14.20  |
| S of Donetsk)                                |              |          |    |              | (assessed as           |        |                |
| 5 of Donetsk)                                |              |          | 1  |              | outside the            |        |                |
|  |              |          |    |              | disengagement          |        |                |
|  | 2-4km WSW    | Heard    |    | Explosion    | area)                  | N/K    | 30-Oct, 14:31  |
|  |              |          |    |              | Assessed as            |        |                |
|  |              |          | 2  |              | outside the            |        |                |
|  |              |          | 2  |              | disengagement          | Small  |                |
|  | 1-2km SSE    | Heard    |    | Shot         | area                   | arms   | 30-Oct, 14:31  |
| Pervomaiske                                  |              |          |    |              |                        |        |                |
| (government-                                 |              |          | 1  |              |                        |        |                |
| controlled, 17km<br>NW of Donetsk)           | 3km SW       | Heard    |    | Explosion    | Undetermined           | N/K    | 30-Oct, 09:49  |
| Sakhanka (non-                               | JAHLOW       | Tieatu   |    | Explosion    |                        | Small  | 30-Oct, 10:46- |
| government                                   | 2km NW       | Heard    | 7  | Burst        |                        | arms   | 10:47          |
| controlled, 24km                             | ZKIII I VV   | neuru    |    | Dun          |                        | ums    | 10.77          |
| NE of Mariupol)                              | 3-4km NW     | Heard    | 2  | Explosion    | Undetermined           | N/K    | 30-Oct, 10:54  |
| Zaichenko (non-                              |              |          |    |              |                        |        |                |
| government-                                  |              |          |    |              |                        |        |                |
| controlled, 93km                             |              |          | 2  |              |                        |        |                |
| south of                                     |              |          |    |              |                        |        |                |
| Donetsk)                                     | 3-4km NW     | Heard    |    | Explosion    | Undetermined           | N/K    | 30-Oct, 11:34  |
| About 2km SE                                 |              |          |    |              |                        | 0 11   |                |
| of Lebedynske                                | 1km NNE      | Heard    | 11 | Dunct        |                        | Small  | 30-Oct, 10:21- |
|  | LIKT NNE     | Heard    |    | Burst        | 1                      | arms   | 10:26          |

| (government-<br>controlled, 99km   |                |        |          |                                       |                           |       |                |
|--|----------------|--------|----------|---------------------------------------|---------------------------|-------|----------------|
| south of   |                |        | 1        |                                       |                           |       | 30-Oct, 10:21- |
| Donetsk)   | 2-3km N        | Heard  |          | Explosion                             | Undetermined              | N/K   | 10:26          |
| Horlivka (non-<br>government-<br>controlled, 39km  | 4-5km WNW      | Heard  | 15       | Explosion                             | Undetermined              | N/K   | 29-Oct, 23:02  |
|  | 4-5km WNW      | Heard  | 10       | Burst                                 |                           | HMG   | 29-Oct, 23:45  |
|  | 4-5km WNW      | Heard  | 7        | Burst                                 |                           | HMG   | 29-Oct, 23:50  |
|  | 4-5km WNW      | Heard  | 5        | Explosion                             | Undetermined              | N/K   | 29-Oct, 23:50  |
|  | 4-5km WNW      | Heard  | 15       | Burst                                 |                           | HMG   | 30-Oct, 00:40  |
| NE of Donetsk)   | 4-5km WNW      | Heard  | 7        | Explosion                             | Undetermined              | N/K   | 30-Oct, 00:45  |
|  | 4-5km WNW      | Heard  | 3        | Explosion                             | Undetermined              | N/K   | 30-Oct, 00:50  |
|  | 4-5km WNW      | Heard  | 1        | Explosion                             | Undetermined              | N/K   | 30-Oct, 16:40  |
|  | 3-4km NW       | Heard  | 1        | Explosion                             | Undetermined              | N/K   | 30-Oct, 10:30  |
| Holmivskyi   |                | 110000 |          | Emprovion                             |                           | Small |                |
| (non-  | 0.5-1km NW     | Heard  | 2        | Shot                                  |                           | arms  | 30-Oct, 10:43  |
| government-  | 2-3km NW       | Heard  | 1        | Explosion                             | Undetermined              | N/K   | 30-Oct, 12:36  |
| controlled, 49km   | 2-3km NW       | Heard  | 2        | Explosion                             | Undetermined              | N/K   | 30-Oct, 12:38  |
| NE of Donetsk)   | 2-3km NW       | Heard  | 25       | Burst                                 |                           | HMG   | 30-Oct, 12:38  |
| SW edge of   | 3-4km S        | Heard  | 2        | Explosion                             | Undetermined              | N/K   | 30-Oct, 11:30  |
| Novoluhanske   | 3-5km SW       | Heard  | 1        | Explosion                             | Undetermined              | N/K   | 30-Oct, 13:27  |
| (government-   |                |        |          | I I I I I I I I I I I I I I I I I I I |                           |       |                |
| controlled, 53km   |                |        | 7        |                                       |                           | Small |                |
| NE of Donetsk)   | 3-5km SW       | Heard  |          | Shot                                  |                           | arms  | 30-Oct, 13:27  |
| SW edge of   |                |        |          |                                       |                           |       |                |
| Novhorodske  |                |        | 1        |                                       |                           |       |                |
| (government-<br>controlled, 35km   |                |        | 1        |                                       |                           |       |                |
| N of Donetsk)  | 3-5km SE       | Heard  |          | Explosion                             | Undetermined              | N/K   | 30-Oct, 12:06  |
| About 500m NE  | 5 5 Kill SE    | Tieuru |          | Explosion                             |                           | 1011  | 30 000, 12:00  |
| of Kamianka  |                |        |          |                                       |                           |       |                |
| (government-   |                |        | 1        |                                       |                           |       |                |
| controlled, 20km   |                |        |          |                                       |                           |       |                |
| N of Donetsk)  | 4-6km NE       | Heard  |          | Explosion                             | Undetermined              | N/K   | 30-Oct, 13:37  |
|  |                |        |          |                                       | Assessed as               |       |                |
|  |                |        | 1        |                                       | outside the               |       |                |
|  | 0 (1) WY (7) V |        | 1        | ~                                     | disengagement             | Small |                |
|  | 3-4km WSW      | Heard  |          | Shot                                  | area                      | arms  | 29-Oct, 22:50  |
|  |                |        |          |                                       | Assessed as               |       |                |
| E edge of  |                |        | 2        |                                       | outside the disengagement | Small |                |
| Stanytsia<br>Luhanska  | 3-4km WSW      | Heard  |          | Shot                                  | area                      | arms  | 29-Oct, 22:57  |
| (government-   | 5-4Kiii (0500  | Ticard |          | Shot                                  | Assessed as               | arms  | 27-000, 22.57  |
| controlled, 16km   |                |        |          |                                       | outside the               |       |                |
| NE of Luhansk)   |                |        | 1        |                                       | disengagement             | Small |                |
|  | 3-4km WSW      | Heard  |          | Shot                                  | area                      | arms  | 29-Oct, 22:59  |
|  |                |        |          |                                       | Assessed as               |       |                |
|  |                |        | 9        |                                       | outside the               |       |                |
|  |                |        | , ,      |                                       | disengagement             | Small | 30-Oct, 17:18  |
|  | 3-4km WSW      | Heard  | <u> </u> | Shot                                  | area                      | arms  | 17:25          |
| About 2km SW<br>of Molodizhne<br>(non-<br>government-<br>controlled, 63km<br>W of Luhansk) | 5km N/K        | Heard  | 1        | Explosion                             | Undetermined              | N/K   | 30-Oct, 10:32  |
|  |                |        | 19       |                                       |                           |       | 30-Oct, 11:21  |
|  | 3-4km SW       | Heard  |          | Shot                                  |                           | HMG   | 11:25          |
|  | 2 41 0777      |        | 10       | a .                                   |                           |       | 30-Oct, 11:30  |
|  | 3-4km SW       | Heard  |          | Shot                                  |                           | HMG   | 11:35          |
|  |                |        | 1        |                                       |                           |       |                |
|  | 5km N/K        | Heard  |          | Explosion                             | Undetermined              | N/K   | 30-Oct, 12:08  |