

Daily Report 282/2019

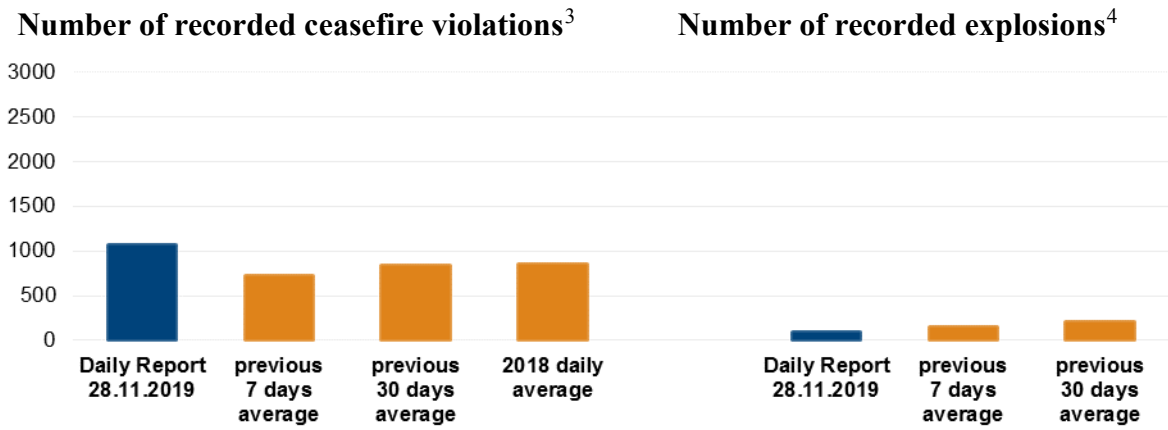
28 November 2019¹

Summary

- Compared with the previous reporting period, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- The SMM saw that some of the previously observed positions of the Ukrainian Armed Forces and of the armed formations inside the Zolote disengagement area had been dismantled or partially dismantled.
- The Mission observed members of the State Emergency Service of Ukraine filling in trenches inside the disengagement area near Petrivske, and that a bunker and a trench of the armed formations just outside the disengagement area had been partially dismantled and filled in.
- The Mission observed workers from non-government-controlled areas installing railings on the metal part of the Stanytsia Luhanska bridge.
- The Mission followed up on hardship faced by civilians at checkpoints along the contact line.
- It monitored adherence to the ceasefire to facilitate repairs to critical civilian infrastructure on both sides of the contact line.
- Restrictions of the SMM's freedom of movement continued, including at a heavy weapons holding area in a government-controlled area of Donetsk region, and in non-government-controlled Novoazovsk and Verkhnohyrokiivske in southern Donetsk region.*

¹ Based on information from the Monitoring Teams as of 19:30, 27 November 2019. All times are in Eastern European Time.

Ceasefire violations²



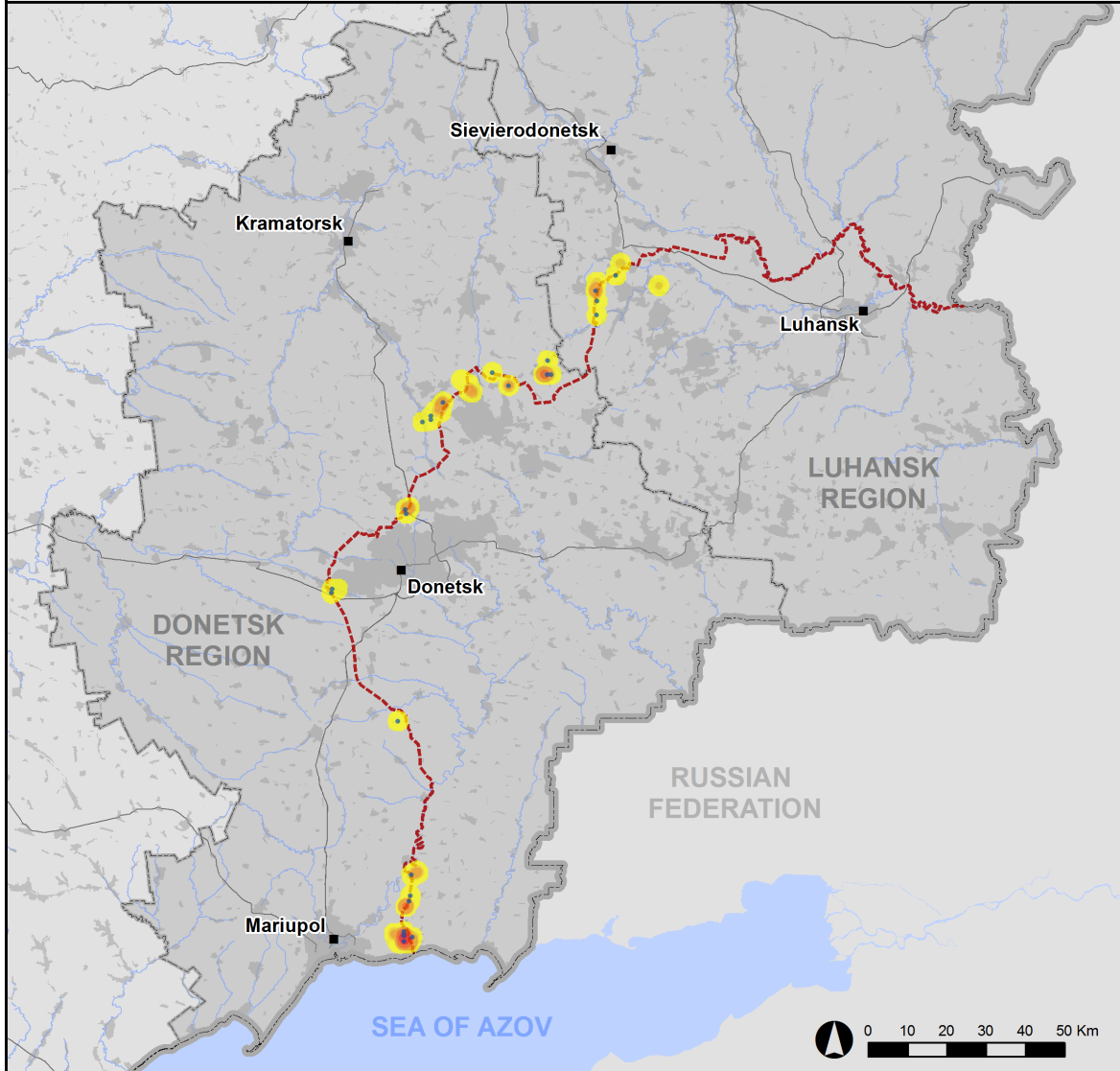
Map of recorded ceasefire violations

² For a complete breakdown of ceasefire violations, please see the annexed table.

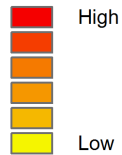
³ Including explosions.

⁴ Including from unidentified weapons.

Ceasefire violations observed by the SMM 27 November 2019



Ceasefire violation concentration



- Explosion
- Settlement
- Estimated line of contact

Sources: Administrative Boundaries - OCHA; Roads, Rivers - OpenStreetMap; Sea - VLIZ (2005). IHO Sea Areas; Other - OSCE.

Coordinate System: WGS 1984 UTM Zone 37N

This map is provided for illustrative purposes only. Its content is not warranted to be error-free and does not imply endorsement or acceptance by the OSCE SMM.

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Created: 28/11/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, including fewer explosions (about 80), compared with the [previous reporting period](#) (about 220 explosions). The majority of the ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), easterly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and at easterly and southerly directions of Hnutove (government-controlled, 90km south of Donetsk).

In Luhansk region, the Mission recorded more ceasefire violations, including, however, fewer explosions (13), compared with the [previous reporting period](#) (62 explosions). The majority of ceasefire violations were recorded at easterly and southerly directions of Popasna (government-controlled, 69km west of Luhansk).

Disengagement areas near Zolote, Petrivske and Stanytsia Luhanska⁵

Following the beginning of the renewed withdrawal of forces and hardware from the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk) on 29 October and in accordance with an agreed timeline on completion of dismantling of fortifications and other installations of military value, on 26 November, two SMM mini-unmanned aerial vehicles (UAV) spotted that some of the previously observed military positions of the Ukrainian Armed Forces near the railway tracks inside the disengagement area and military-type positions of the armed formations in fields in its southern parts had been dismantled or partially dismantled, while other positions observed were empty.

Over the past thirty days, the SMM has observed significant activity inside the area pertaining to removal of fortifications and other installations of military value, elimination of non-explosive obstacles, and clearance of fields and areas contaminated with explosive ordnance. The Mission notes that such activities continue. The SMM will follow up on locations inside the disengagement area where its observations indicate that additional clarification is required.

On the evening of 26 November, the SMM camera in Zolote recorded 12 projectiles in flight at an assessed range of 1-2km east, assessed as outside the disengagement area.

On 27 November, the SMM saw 15 workers and seven deminers from non-government-controlled areas clearing and burning vegetation inside the disengagement area, just north of the checkpoint of the armed formations on its southern edge. The SMM also observed five members of the armed formations (wearing armbands with “JCCC” written on them) at the same checkpoint.

On 26 November, inside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-UAV [again](#) spotted about 200 anti-tank mines laid in two rows running north to south and starting about 700m south of the area’s northern edge. The UAV also spotted an excavator and three persons with shovels, assessed as members of the State Emergency Service of Ukraine (SES) filling in trenches, near a [previously reported](#) position of the Ukrainian Armed Forces near the area’s north-western edge.

Outside the disengagement area, about 200m west of its north-western edge, the same UAV also spotted an excavator (assessed as belonging to the SES) clearing vegetation from the

⁵ Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

aforementioned road. The UAV spotted [again](#) 49 anti-tank mines (38 of which were assessed as TM-62M and marked with red-and-white tape) laid across the road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), and 20 anti-tank mines north of the same road, all assessed as belonging to the Ukrainian Armed Forces (for previous observations in the area, see [SMM Daily Report 26 November 2019](#)). Extending up to 100m south of the aforementioned road, the UAV also spotted an area of about 13,000 square meters marked with a barrier tape, assessed as probably demined. About 2km further east, an SMM mini-UAV spotted again 16 anti-tank mines in a field about 100m north of the disengagement area, as well as a previously reported trench (of which 90m extends into the disengagement area) with strands of barrier tape and probable warning signs on its eastern side, all assessed as belonging to the armed formations.

On 27 November, an SMM mini-UAV spotted that the abovementioned trench and a bunker (assessed as being part of a position of the armed formations) had been partially filled in and dismantled.

On the same day, positioned about 1.5km east of Bohdanivka, outside the disengagement area, the SMM saw five SUVs, an armoured personnel carrier (APC) (*Kozak*), a truck, two excavators and an ambulance, assessed as belonging to the SES driving east towards the disengagement area.

On 26 November, outside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk) (about 150m south of its south-eastern edge) the same mini-UAV [again](#) spotted an anti-aircraft-gun (ZU-23, 23mm) assessed as belonging to the armed formations.

On 27 November, inside the disengagement area, the SMM saw workers from non-government-controlled areas installing light fixtures on the eastern side of the road from the checkpoint of the armed formations up to about 70m north on the road and installing new railings and replacing and welding side barriers on both sides of the metal part of the Stanytsia Luhanska bridge (15km north-east of Luhansk). The SMM also saw workers from non-government-controlled areas burning vegetation about 40m east of the shelter of an international organization south of the checkpoint.

The SMM saw at least four members of the armed formations (wearing armbands with “JCCC” written on them), between the southern part of the newly constructed section of the bridge and the checkpoint of the armed formations inside the disengagement area.

Withdrawal of weapons

The SMM continued to monitor the withdrawal of weapons in implementation of the Memorandum and the Package of Measures and its Addendum.

The Mission observed seven multiple launch rocket system weapons (MLRS) in violation of withdrawal lines in a training area near Miusynsk (non-government-controlled, 62km south-west of Luhansk), as well as weapons beyond withdrawal lines but outside of designated storage sites in non-government-controlled areas of Luhansk region (for further details, see the table below).

Weapons that the SMM could not verify as withdrawn⁶

27 November

At three heavy weapons holding areas in government-controlled areas of Luhansk region

The SMM noted that:

- eight self-propelled howitzers (two 2S3 *Akatsiya*, 152mm and six 2S1 *Gvozdika*, 122mm), six anti-tank guns (MT-12 *Rapira*, 100mm) and eight MLRS (BM-21 *Grad*, 122mm) were present; and that
- ten self-propelled howitzers (four 2S3 and six 2S1) continued to be missing.

*At three heavy weapons holding areas in government-controlled areas of Donetsk region**

The SMM noted that:

- eight self-propelled howitzers (four 2S3 and four 2S1) and three anti-tank guns (MT-12) were present; and that
- 54 self-propelled howitzers (12 2S19 *Msta-S*, 152mm, 11 2S3 and 31 2S1), 12 towed howitzers (D-30 *Lyagushka*, 122mm), six mortars (2B11 *Sani*, 120mm) and two surface-to-air missile systems (9K35 *Strela-10*) continued to be missing.

Weapons permanent storage sites

27 November

At a permanent storage site in a government-controlled area of Luhansk region

The SMM noted that a tank (T-72) remained missing.

Indications of military and military-type presence in the security zone⁷

The SMM observed two pieces of probable electronic warfare equipment in a non-government-controlled area of Luhansk region and armoured combat vehicles in a government-controlled area of Donetsk region (for further details, see the table below).

Hardship for civilians at checkpoints along the contact line

At the most forward checkpoint of the Ukrainian Armed Forces near Maiorsk (government-controlled, 45km north-east of Donetsk), the SMM saw about 150 civilians queuing under the rain for a bus to the entry-exit checkpoint in Maiorsk, about 800m away. Four of them (three women and a man, 70-80 years old) told the Mission that the long queue was due the reduced number of buses commuting between the checkpoints.

At a checkpoint of the armed formations near Horlivka (non-government-controlled, 39km north-east of Donetsk), the SMM observed workers carrying out maintenance works. It also saw 24 newly installed non-operational white containers lined up in three rows in the central section of the road (between the pedestrian and vehicle lanes).

SMM facilitation of repairs to and operation of critical civilian infrastructure

⁶ The SMM observed weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons.

⁷ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

The SMM monitored adherence to the ceasefire to facilitate repairs to power lines in Spartak (non-government-controlled, 9km north of Donetsk), water pipelines in Horlivka and between Kurdiuvivka (government-controlled, 54km north of Donetsk) and Novoluhanske (government-controlled, 53km north-east of Donetsk), the phenol sludge reservoir near Zalizne (government-controlled, 42km north-east of Donetsk), communication equipment in Obozne (non-government-controlled, 18km north of Luhansk), water distribution networks near Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk) and drilling of wells near Pankivka (non-government-controlled, 16km north of Luhansk) and Raivka (non-government-controlled, 16km north-west of Luhansk).

The Mission continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk) and monitored the security situation in areas around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Border areas not under government control

While at the border crossing point near Uspenka (73km south-east of Donetsk) for about 90 minutes, the SMM saw 23 cars (six with Ukrainian, six with Russian Federation and two with Georgian licence plates, as well as nine with “DPR” plates), 18 covered cargo trucks (12 with Ukrainian, three with Russian Federation and one with Armenian licence plates, as well as two with “DPR” plates), and 21 pedestrians (12 women and nine men) entering Ukraine. It also saw 25 cars (one with Ukrainian, 15 with Russian Federation and one with Lithuanian licence plates, as well as eight with “DPR” plates), two covered cargo trucks (one with Russian Federation and one with Belarusian licence plates) and 24 pedestrians (15 women and nine men) exiting Ukraine.

While at the border crossing point near Ulianivske (61km south-east of Donetsk) for about 15 minutes, the SMM did not observe any cross-border traffic.

The Mission continued monitoring in Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Dnipro, Chernivtsi and Kyiv.

***Restrictions of the SMM’s freedom of movement or other impediments to fulfilment of its mandate**

The SMM’s monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM’s mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM’s freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Coordination should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine’s border outside control of the Government (for example, see [SMM Daily Report of 19 November 2019](#)). The SMM’s operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission’s observations.

Denial of access:

- A Ukrainian Armed Forces soldier denied the SMM entry into a heavy weapons holding area in a government-controlled area of Donetsk region.
- At a checkpoint near Verkhnohshyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), a member of the armed formations denied the SMM passage towards Sakhanka (non-government-controlled, 97km south of Donetsk) and Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk), citing “ongoing demining activity in the area”. The SMM subsequently requested passage towards Novoazovsk (non-government-controlled, 102km south-east of Donetsk) and, after about 30 minutes of waiting, was allowed to enter non-government-controlled areas on the condition of “not going to Pikuzy and Sakhanka”.
- At a checkpoint north of Novoazovsk, an armed member of the armed formations [again](#) denied the SMM passage. While present, the SMM saw civilian cars passing through the checkpoint in both directions.

Regular restrictions related to disengagement areas and mines/UXO:

- The sides continued to deny the SMM full access, as well as the ability to travel certain roads previously identified as important for effective monitoring by the Mission and for civilians’ movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

Table of weapons
In violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
23/11/2019	7	Multiple launch rocket system (type undetermined)	In a training area near Miusynsk (62km south-west of Luhansk) (in the same area, aerial imagery also revealed the presence of 44 armoured combat vehicles) ⁸	Aerial imagery

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
23/11/2019	32	Tank (type undetermined)	In a training area near Kruhlyk (31km south-west of Luhansk) (for previous observations in the area, see SMM Daily Report 12 November 2019)	Aerial imagery
	10	Self-propelled howitzer (type undetermined)	In a training area near Miusynsk (62km south-west of Luhansk) (for previous observations in the area, see SMM Daily Report 12 October 2019)	
	12	Towed howitzer (type undetermined)		
	9	Tank (type undetermined)		

Table of indications of military and military-type presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled area				
26/11/2019	1	Armoured combat vehicle	Near Bohdanivka (41km south-west of Donetsk), outside the Petrivske disengagement area	Mini-UAV
	1	Infantry fighting vehicle (BMP variant)		
26/11/2019	1	Armoured combat vehicle	Near Stanytsia Luhanska (16km north-east of Luhansk) (about 300m east of the entry-exit checkpoint of the Ukrainian Armed Forces)	Patrol
Non-government-controlled areas				
26/11/2019	2	Probable electronic warfare equipment (jamming communication station R-330ZH and VHF air communication automated jamming station R-934 variant)	Near Lozivskyi (32km west of Luhansk)	Mini-UAV

⁸ Armoured combat vehicles mentioned in this section are not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

⁹ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Table of ceasefire violations as of 27 November 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	10	Projectile	SW to NE	N/K	26-Nov, 20:49
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:50
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 20:51
	2-4km ESE	Recorded	1	Projectile	NW to SE	N/K	26-Nov, 20:51
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SSE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 18:26
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:29
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:30
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 18:30
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 18:31
	3-6km SE	Recorded	1	Projectile	NE to SW	N/K	26-Nov, 21:32
	3-6km SSE	Recorded	4	Projectile	SW to NE	N/K	26-Nov, 21:32
	3-6km SE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 23:04
	3-6km SE	Recorded	4	Projectile	NE to SW	N/K	26-Nov, 23:06
	2-6km SE	Recorded	7	Projectile	NE to SW	N/K	27-Nov, 01:07
	2-6km SE	Recorded	6	Projectile	NE to SW	N/K	27-Nov, 02:11
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.7-2km SSW	Recorded	15	Projectile	E to W	N/K	26-Nov, 20:48
	0.7-2km SSW	Recorded	3	Projectile	E to W	N/K	26-Nov, 20:49
	0.7-2km SSW	Recorded	6	Projectile	E to W	N/K	26-Nov, 20:50
	2-4km SSW	Recorded	2	Explosion	Undetermined	N/K	26-Nov, 20:50
	0.7-2km SSW	Recorded	4	Projectile	E to W	N/K	26-Nov, 20:51
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 17:34
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 17:58
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 18:01
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	15	Projectile	NNE to SSW	N/K	26-Nov, 18:01
	3-5km SE	Recorded	11	Projectile	NNE to SSW	N/K	26-Nov, 18:02
	3-5km SE	Recorded	20	Projectile	NNE to SSW	N/K	26-Nov, 18:06
	3-5km SE	Recorded	5	Projectile	NNE to SSW	N/K	26-Nov, 18:19
	3-5km SE	Recorded	1	Muzzle flash		N/K	26-Nov, 18:51
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 18:51
	3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	26-Nov, 18:52
	3-5km ESE	Recorded	1	Muzzle flash		N/K	26-Nov, 19:08
	3-5km ESE	Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	26-Nov, 19:08
	3-5km ESE	Recorded	1	Explosion	Airburst (subsequent to previous event, also recorded by the SMM camera in Shyrokyne)	N/K	26-Nov, 19:08
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 19:12
	3-5km SE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 19:35
	3-5km SE	Recorded	2	Projectile	SSW to NNE	N/K	26-Nov, 19:42
	3-5km ESE	Recorded	3	Projectile	NNE to SSW	N/K	26-Nov, 20:27
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	26-Nov, 20:45
	3-5km SE	Recorded	6	Projectile	NNE to SSW	N/K	26-Nov, 20:46
3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	26-Nov, 20:47	

¹⁰ 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.

	3-5km SE	Recorded	1	Burst	SSW to NNE	N/K	26-Nov, 21:08
	3-5km SE	Recorded	3	Muzzle flash		N/K	26-Nov, 23:29
	3-5km SE	Recorded	4	Projectile	NNE to SSW	N/K	27-Nov, 23:29
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 16:36
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 16:41
	1-3km E	Recorded	2	Projectile	NNW to SSE	N/K	26-Nov, 16:45
	1-3km E	Recorded	3	Projectile	NNW to SSE	N/K	26-Nov, 16:47
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	26-Nov, 17:22
	1-3km E	Recorded	1	Projectile	S to N	N/K	26-Nov, 19:19
	1-3km ESE	Recorded	2	Projectile	S to N	N/K	26-Nov, 19:19
	1-3km ESE	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:20
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:37
	1-3km N	Recorded	1	Projectile	N to S	N/K	26-Nov, 19:38
	2-4km ESE	Recorded	9	Projectile	N to S	N/K	26-Nov, 19:42
	2-4km ESE	Recorded	6	Projectile	N to S	N/K	26-Nov, 19:43
	2-4km ESE	Recorded	3	Projectile	NNW to SSE	N/K	27-Nov, 02:40
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	27-Nov, 04:56
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 16:44
	3-5km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 16:45
	3-5km N	Recorded	1	Muzzle flash		N/K	26-Nov, 16:56
	3-5km N	Recorded	5	Projectile	In vertical flight	N/K	26-Nov, 16:57
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 17:01
	3-5km N	Recorded	2	Projectile	In vertical flight	N/K	26-Nov, 17:09
	3-5km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 17:09
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 17:14
	3-5km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 17:19
	3-5km N	Recorded	11	Projectile	E to W	N/K	26-Nov, 17:20
	3-5km N	Recorded	3	Projectile	E to W	N/K	26-Nov, 17:25
	3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 18:07
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 18:14
	3-5km N	Recorded	10	Projectile	W to E	N/K	26-Nov, 18:19
	3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 18:22
	3-5km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 18:23
	3-5km NNE	Recorded	12	Projectile	E to W	N/K	26-Nov, 18:24
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 18:35
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 18:35
	3-5km NNE	Recorded	2	Projectile	W to E	N/K	26-Nov, 18:37
	3-5km N	Recorded	9	Projectile	E to W	N/K	26-Nov, 18:40
	3-5km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 18:43
	3-5km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	26-Nov, 18:43
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 18:45
	3-5km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 18:46
	3-5km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 18:55
	3-5km N	Recorded	8	Projectile	E to W	N/K	26-Nov, 18:56
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 18:59
	3-5km N	Recorded	17	Projectile	E to W	N/K	26-Nov, 19:03
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:07
	3-5km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 19:08
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 19:08
	3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 19:09
	3-5km N	Recorded	9	Projectile	W to E	N/K	26-Nov, 19:10
	3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 19:11
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:16
	3-5km N	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 19:30
	3-5km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 19:31
	3-5km NNE	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 19:32
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	26-Nov, 19:32

3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:32
3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 19:34
3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 19:35
3-5km NNE	Recorded	3	Projectile	E to W	N/K	26-Nov, 19:35
3-5km NNE	Recorded	5	Projectile	ESE to WNW	N/K	26-Nov, 19:36
3-5km NNE	Recorded	9	Projectile	In vertical flight	N/K	26-Nov, 19:37
3-5km NNE	Recorded	7	Projectile	E to W	N/K	26-Nov, 19:41
3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 19:42
3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 19:49
4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 20:00
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:00
4-7km NNE	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:00
4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 20:01
4-7km N	Recorded	3	Projectile	E to W	N/K	26-Nov, 20:02
4-7km NNE	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:02
4-7km N	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:02
4-7km N	Recorded	1	Projectile	SSE to NNW	N/K	26-Nov, 20:02
4-7km N	Recorded	6	Projectile	SW to NE	N/K	26-Nov, 20:06
4-7km N	Recorded	1	Muzzle flash		N/K	26-Nov, 20:08
4-7km N	Recorded	11	Projectile	W to E	N/K	26-Nov, 20:08
4-7km N	Recorded	1	Projectile	In vertical flight	N/K	26-Nov, 20:08
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:09
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:12
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 20:12
4-7km N	Recorded	2	Explosion		N/K	26-Nov, 20:32
4-7km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 20:32
4-7km N	Recorded	6	Projectile	E to W	N/K	26-Nov, 20:40
4-7km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 20:46
4-7km N	Recorded	2	Muzzle flash		N/K	26-Nov, 20:48
4-7km N	Recorded	12	Projectile	W to E	N/K	26-Nov, 20:48
4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 20:50
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Explosion	Undetermined	N/K	26-Nov, 20:55
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 20:57
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:57
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 20:58
4-7km N	Recorded	4	Explosion	Undetermined	N/K	26-Nov, 20:59
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:00
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:01
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:03
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:06
4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:08
4-7km NNE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 21:10
4-7km NNE	Recorded	5	Explosion	Undetermined	N/K	26-Nov, 21:11
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 21:41
4-7km N	Recorded	2	Projectile	E to W	N/K	26-Nov, 21:45
4-7km NNW	Recorded	4	Projectile	W to E	N/K	26-Nov, 21:49
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 22:04
4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 22:13
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 22:30
4-7km N	Recorded	4	Projectile	W to E	N/K	26-Nov, 22:35
4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 22:41
4-7km N	Recorded	7	Projectile	E to W	N/K	26-Nov, 22:42
4-7km N	Recorded	10	Projectile	E to W	N/K	26-Nov, 22:44
4-7km N	Recorded	1	Projectile	SW to NE	N/K	26-Nov, 22:47
4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 22:50
4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 22:56

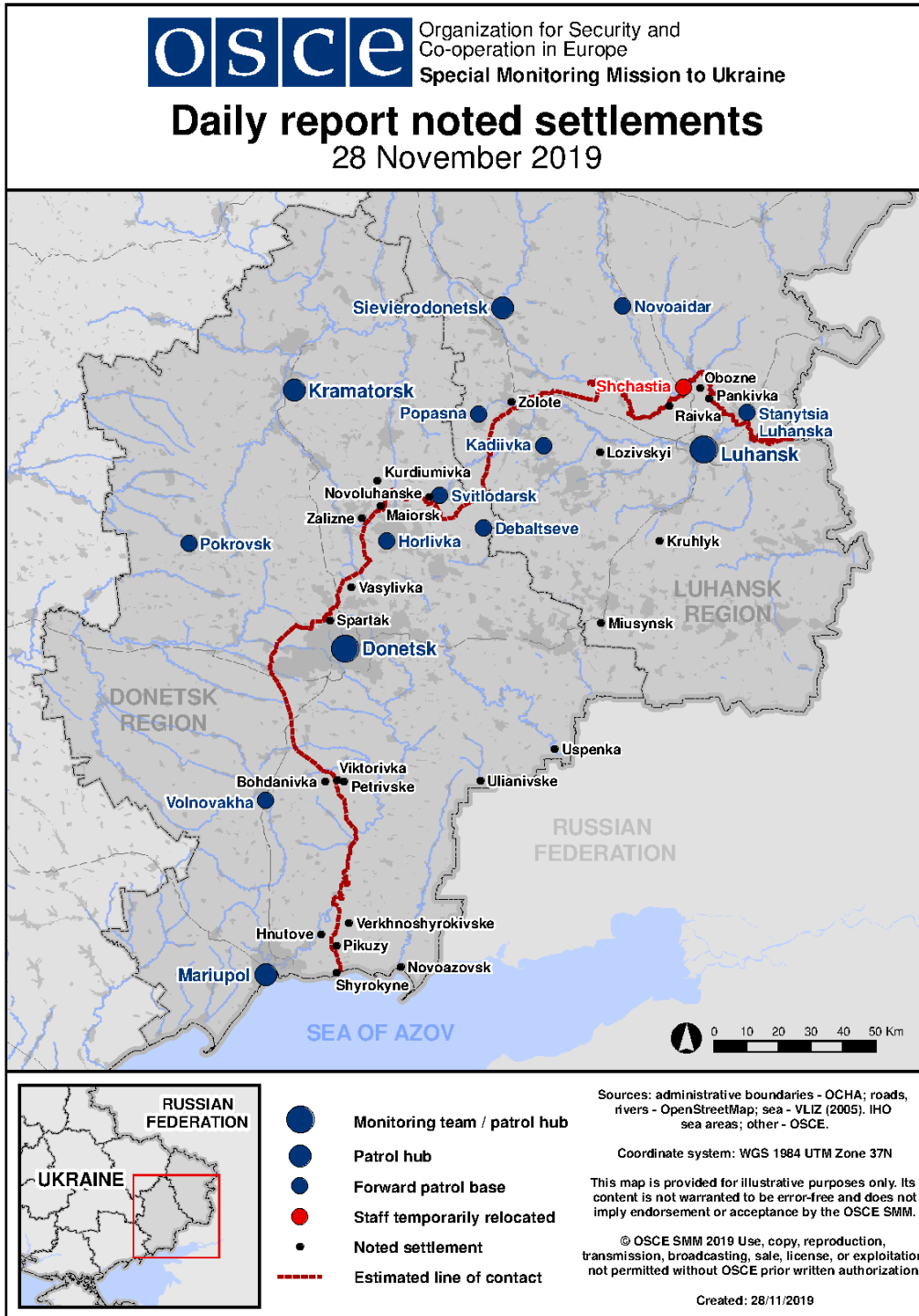
4-7km N	Recorded	2	Projectile	E to W	N/K	26-Nov, 22:59
3-5km NNE	Recorded	20	Projectile	E to W	N/K	26-Nov, 23:12
3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 23:54
3-5km N	Recorded	3	Projectile	SW to NE	N/K	26-Nov, 23:55
4-7km NNE	Recorded	3	Projectile	SE to NW	N/K	27-Nov, 00:00
4-7km N	Recorded	4	Projectile	SE to NW	N/K	27-Nov, 00:02
4-7km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 00:03
4-7km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	27-Nov, 00:03
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:11
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:13
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:18
4-7km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 00:18
4-7km N	Recorded	14	Projectile	E to W	N/K	27-Nov, 00:19
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:19
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 00:20
4-7km N	Recorded	2	Projectile	WSW to ENE	N/K	27-Nov, 00:22
4-7km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 00:23
4-7km NNE	Recorded	2	Projectile	ESE to WNW	N/K	27-Nov, 00:27
4-7km NNE	Recorded	4	Projectile	ESE to WNW	N/K	27-Nov, 00:29
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 00:34
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 00:38
4-7km N	Recorded	7	Projectile	W to E	N/K	27-Nov, 00:40
4-7km N	Recorded	3	Projectile	SW to NE	N/K	27-Nov, 00:51
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 00:52
4-7km N	Recorded	4	Projectile	E to W	N/K	27-Nov, 00:55
4-7km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 00:57
4-7km N	Recorded	2	Projectile	E to W	N/K	27-Nov, 01:01
4-7km N	Recorded	23	Projectile	E to W	N/K	27-Nov, 01:02
4-7km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 01:02
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 01:03
4-7km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 01:07
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 01:13
4-7km N	Recorded	2	Projectile	SW to NE	N/K	27-Nov, 01:22
4-7km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 01:30
4-7km N	Recorded	4	Projectile	SW to NE	N/K	27-Nov, 01:47
4-7km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 01:58
4-7km N	Recorded	14	Projectile	SW to NE	N/K	27-Nov, 01:59
5-8km NNW	Recorded	2	Projectile	W to E	N/K	27-Nov, 02:00
5-8km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 02:05
5-8km NNW	Recorded	3	Projectile	W to E	N/K	27-Nov, 02:11
5-8km NNW	Recorded	4	Projectile	E to W	N/K	27-Nov, 02:19
5-8km NNW	Recorded	8	Projectile	W to E	N/K	27-Nov, 02:28
3-5km NNW	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 02:28
5-8km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 02:32
5-8km N	Recorded	1	Explosion	Undetermined	N/K	27-Nov, 02:45
3-5km N	Recorded	4	Projectile	SW to NE	N/K	27-Nov, 02:59
3-5km N	Recorded	5	Projectile	W to E	N/K	27-Nov, 03:00
3-5km N	Recorded	1	Projectile	E to W	N/K	27-Nov, 03:01
3-5km N	Recorded	1	Projectile	W to E	N/K	27-Nov, 03:01
3-5km N	Recorded	2	Projectile	E to W	N/K	27-Nov, 03:06
3-5km N	Recorded	7	Projectile	E to W	N/K	27-Nov, 03:22
3-5km N	Recorded	2	Projectile	W to E	N/K	27-Nov, 03:29
3-5km N	Recorded	1	Projectile	SW to NE	N/K	27-Nov, 03:31
3-5km N	Recorded	9	Projectile	W to E	N/K	27-Nov, 03:45
3-5km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 03:46
3-5km N	Recorded	1	Muzzle flash		N/K	27-Nov, 03:46
2-5km N	Recorded	3	Projectile	E to W	N/K	27-Nov, 04:01

	2-5km N	Recorded	10	Projectile	E to W	N/K	27-Nov, 04:26
	2-5km N	Recorded	10	Projectile	E to W	N/K	27-Nov, 04:39
	2-5km N	Recorded	3	Projectile	W to E	N/K	27-Nov, 04:48
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	27-Nov, 17:15
	4-6km N	Recorded	2	Projectile	ESE to WNW	N/K	27-Nov, 17:46
	3-5km NNE	Recorded	1	Projectile	E to W	N/K	27-Nov, 18:04
	3-5km NNE	Recorded	1	Projectile	In vertical flight	N/K	27-Nov, 18:06
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:10
	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:13
	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	27-Nov, 09:26
	1-2km NW	Heard	1	Shot		Small arms	27-Nov, 10:09
	2-3km W	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:15
About 1km ENE of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K N	Heard	2	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	27-Nov, 10:39
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km E	Heard	1	Burst		HMG	26-Nov, 18:31-18:32
	2-3km E	Heard	5	Burst		Small arms	26-Nov, 18:34-18:36
	2-3km E	Heard	3	Burst		HMG	26-Nov, 18:51-18:52
	2-3km E	Heard	5	Burst		Small arms	26-Nov, 19:03-19:04
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 19:09-19:10
	4-6km NE	Heard	2	Explosion	Undetermined	N/K	26-Nov, 19:34-19:35
	2-3km E	Heard	7	Burst		Small arms	26-Nov, 20:48-20:50
	4-5km E	Heard	1	Explosion	Undetermined	N/K	26-Nov, 20:49-20:50
	3-4km E	Heard	5	Explosion	Undetermined	N/K	26-Nov, 20:54-20:55
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 20:55-20:56
	4-5km E	Heard	1	Explosion	Undetermined	N/K	26-Nov, 21:06-21:07
	2-3km E	Heard	4	Burst		Small arms	26-Nov, 21:10-21:11
	3-4km E	Heard	10	Burst		HMG	26-Nov, 21:19-21:26
	2-3km E	Heard	7	Burst		Small arms	26-Nov, 21:28-21:30
	2-4km E	Heard	11	Burst		HMG	26-Nov, 21:47-21:48
	2-4km E	Heard	2	Burst		HMG	26-Nov, 22:12-22:13
	4-5km E	Heard	3	Explosion	Undetermined	Small arms	26-Nov, 22:21-22:22
	2-3km E	Heard	3	Burst		Small arms	26-Nov, 22:22-22:23
	3-4km E	Heard	4	Burst		HMG	26-Nov, 23:13-23:14
	2-3km E	Heard	9	Burst		Small arms	26-Nov, 23:40-23:41
2-3km E	Heard	4	Burst		Small arms	26-Nov, 23:45-23:46	

	2-3km E	Heard	5	Burst		Small arms	26-Nov, 23:50-23:52
	3-5km E	Heard	4	Burst		Small arms	27-Nov, 11:37
	2-3km E	Heard	3	Burst		Small arms	27-Nov, 17:03
	2-3km E	Heard	2	Burst		Small arms	27-Nov, 17:07
	2-3km E	Heard	2	Burst		Small arms	27-Nov, 17:20
W edge of Zalizne (government-controlled, 42km NE of Donetsk)	3-4km S	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:01
	3-4km S	Heard	1	Explosion	Undetermined	N/K	27-Nov, 10:06
	4-5km S	Heard	2	Explosion	Undetermined	N/K	27-Nov, 10:10
	5-6km SSW	Heard	5	Explosion	Undetermined	N/K	27-Nov, 11:55-11:58
	2-3km SSE	Heard	6	Burst		HMG	27-Nov, 10:38-10:43
	2-4km E	Heard	11	Explosion	Undetermined	N/K	27-Nov, 14:10-14:13
	2-4km E	Heard		Burst	Uncountable	HMG	27-Nov, 14:10-14:13
	2-4km E	Heard	12	Burst		HMG	27-Nov, 14:16
	2-3km ESE	Heard	19	Burst		HMG	27-Nov, 13:46-13:47
	3-4km SE	Heard	4	Burst		HMG	27-Nov, 13:08-13:09
	3-4km SE	Heard	5	Burst		HMG	27-Nov, 13:27-13:28
Kodema (government controlled, 57 km NE of Donetsk)	4-5km S	Heard	3	Explosion	Undetermined	N/K	27-Nov, 10:37
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	3-4km E	Heard	2	Explosion	Undetermined	N/K	27-Nov, 10:45-10:46
	3-4km E	Heard	20	Burst		HMG	27-Nov, 10:45-10:46
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-2km E	Recorded	12	Projectile	NNW to SSE (assessed as outside the disengagement area)	N/K	26-Nov, 19:27
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-6km SE	Heard	11	Burst		Cannon (30mm)	26-Nov, 18:34-18:36
	5-6km SE	Heard	7	Burst		HMG	26-Nov, 18:39
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 20:06
	5-6km SE	Heard	18	Burst	Outgoing	Small arms	26-Nov, 20:08-20:10
	10-12km SSE	Heard	3	Explosion	Undetermined	N/K	26-Nov, 21:44-21:49
	4-5km ESE	Heard	11	Burst	Outgoing	Small arms	26-Nov, 22:22-22:26
	5-6km SE	Heard	5	Burst	Outgoing	HMG	26-Nov, 22:35
	8-10km E	Heard	2	Explosion	Undetermined	N/K	26-Nov, 22:58
	8-10km E	Heard	1	Explosion	Undetermined	N/K	27-Nov, 00:56
Holubivka (formerly Kirovsk, non-government-controlled, 51 W of Luhansk)	0.7-1km E	Heard	9	Shot		Small arms	27-Nov, 08:57
S edge of the disengagement area near Zolote	8-10km SW	Heard	6	Explosion	Undetermined	N/K	27-Nov, 10:48-10:55

(government-controlled, 60km W of Luhansk)							
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Map of Donetsk and Luhansk regions¹¹



¹¹ 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: a forward patrol base from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations. The SMM uses the premises during daylight hours and patrols in this settlement during daylight hours, as well).