

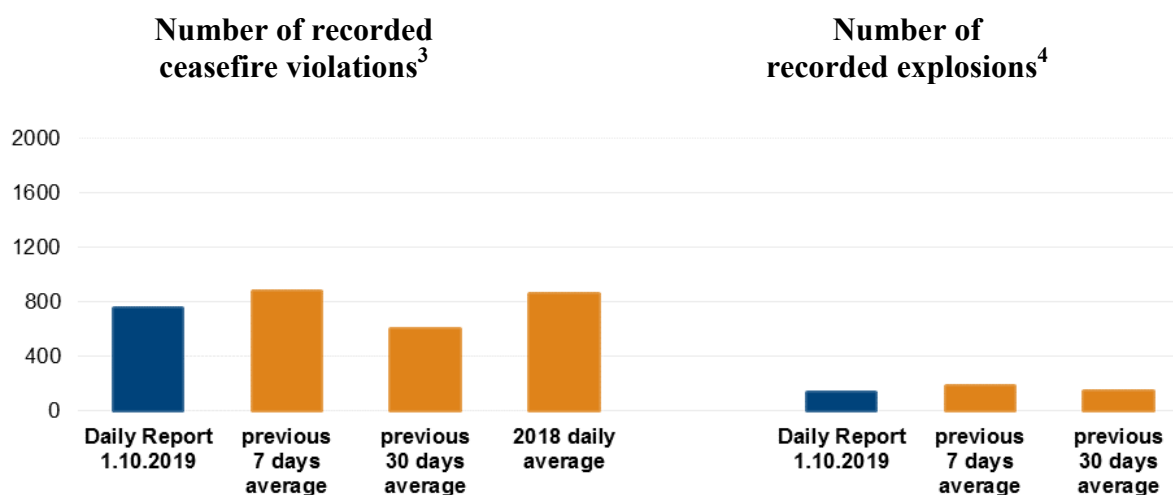
Daily Report 232/2019

1 October 2019¹

Summary

- Compared with the previous 24 hours, the SMM recorded fewer ceasefire violations in Donetsk region and a similar number of ceasefire violations in Luhansk region.
- Three firefighters sustained shrapnel injuries in Donetsk city's Petrovskiyi district.
- Inside the Stanytsia Luhanska disengagement area, the SMM continued monitoring works to connect a temporary pedestrian bypass bridge to the broken section of the bridge.
- The SMM again saw a barbed wire and a tube of an unused rocket-propelled grenade inside the Zolote disengagement area. It again observed military presence inside the Petrivske disengagement area.
- The Mission observed weapons in violation of their respective withdrawal lines in government-controlled areas of Luhansk region.
- The SMM saw unexploded ordnance on the road between Popasna and Molodizhne.
- The SMM monitored adherence to the ceasefire to facilitate the operation of and repairs to essential civilian infrastructure, including repairs to water pipelines and power lines and to enable the drilling of water wells.
- Restrictions of the Mission's access continued, including at checkpoints of the armed formations near Petrivske, Verkhnohshyrokivske and Shevchenko.*

Ceasefire violations²



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

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

³ Including explosions.

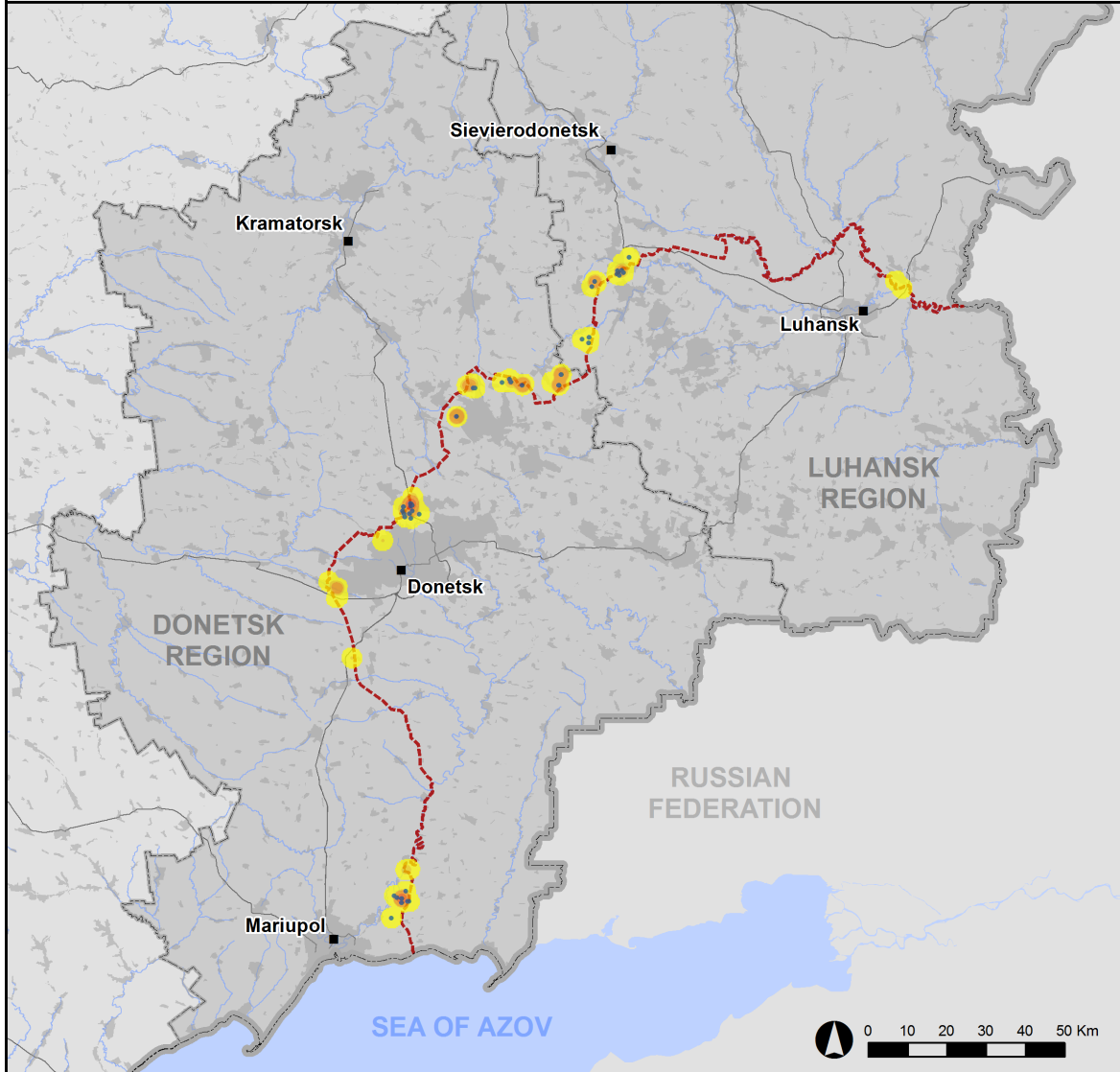
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

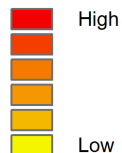


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 30 September 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: 01/10/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, however, more explosions (about 170), compared with the [previous 24 hours](#) (about 125 explosions). The majority of ceasefire violations were recorded by the SMM camera at the entry-exit checkpoint in Pyshevyk (government-controlled, 84km south of Donetsk) at a range of 2-5km south-south-east, south and south-south-west of the camera, by the SMM camera at the Donetsk Filtration Station (DFS) (15km north of Donetsk) at a range of 0.2-5km in southerly directions of the camera and in areas east and east-south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk).

In Luhansk region, the SMM recorded a similar number of ceasefire violations, however, more explosions (18) compared with the [previous 24 hours](#) (12 explosions). The majority of ceasefire violations were recorded at east-south-easterly directions of Popasna (government-controlled, 69km west of Luhansk).

Three firefighters injured due to shelling in Donetsk city

The SMM followed up on reports of three firefighters (men, 34, 32, and 36 years old) injured by shelling in the Trudivski area of Donetsk city's Petrovskiyi district (non-government-controlled, 15km south-west of Donetsk city centre) on 11 September. On 29 September, at a hospital in Donetsk city, the SMM saw a man (34 years old) with his left arm amputated below the elbow and his limb bandaged. The man told the SMM that in the afternoon of 11 September, while extinguishing a fire, a 30mm grenade launcher round had hit the hose he was holding and exploded, shattering his left forearm and injuring his two colleagues who stood behind him. On 30 September, a firefighter (32 years old) told the SMM over the phone that on 11 September, he was with two other colleagues, extinguishing a fire at 67 Mamina-Sybirika Street in the Trudivski area. When they heard bursts of small-arm fire, he said, all three took cover behind the wall of the house for about five minutes. While standing opposite of the burning house, he added, he heard an explosion and had felt sharp pain in two places on his back. On the same day, the SMM received the same information from the third firefighter (36 years old) who had also been injured in the incident. At the hospital, medical staff told the SMM that three firefighters were admitted on 11 September with shrapnel injuries, adding that one of them had his left arm amputated. At the fire station in Petrovskiyi district, a man (20 years old) told the SMM that he had seen three firefighters injured on 11 September while extinguishing a fire caused by an incendiary device. The SMM could not visit the above-mentioned address in the Trudivski area due to security concerns.

Stanytsia Luhanska disengagement area

In the afternoon of 29 September, the SMM saw that eight workers from government-controlled areas had completed laying the foundations of a temporary pedestrian bypass bridge connected to the southern edge of the broken section of the Stanytsia Luhanska bridge (15km north-east of Luhansk) and had completed mounting scaffolding, along with the placement of steel platform plates and wooden boards onto it. On 30 September, the Mission saw 17 workers from government-controlled areas cutting trees 30m east of the northern edge of the broken section of the bridge and also saw 18 workers from government-controlled areas arriving with a truck, an excavator and a roller and subsequently levelling and gravelling the ground 1m north of the broken section of the bridge.

On the afternoon of 30 September, positioned about 100m north of the broken section of the bridge, the SMM heard two shots of small-arms fire (within the time span of six minutes) at

an assessed distance of 1km south-south-east, assessed as inside the disengagement area. Positioned about 110m north of the broken section of the bridge, the SMM heard four shots of small-arms fire at an assessed range of 2km north-west, assessed as outside the disengagement area.

Other disengagement areas⁵

On 29 September, an SMM mini-unmanned aerial vehicle (UAV) [again](#) spotted about 34 anti-tank mines (TM-62) inside the disengagement area near Zolote (government-controlled, 60km west of Luhansk), from about 90m south of the northern edge of the disengagement area, about 50m east of road T-1316, to about 70m south of the northern edge, 200m east of road T-1316, assessed as belonging to the Ukrainian Armed Forces. The UAV spotted four Ukrainian Armed Forces soldiers, including three visibly armed, in the southern edge of Katerynivka (government-controlled, 64km west of Luhansk) inside the disengagement area.

A mini-UAV [again](#) spotted 12 anti-tank mines (TM-62), inside the Zolote disengagement area, starting about 50m west of road T-1316, about 480m north of the southern edge of the disengagement area, and continuing west for about 120m, assessed as belonging to the armed formations.

On the evening and night of 29 and 30 September, the SMM camera in Zolote recorded five undetermined explosions at an assessed range of 1.5-4km south-south-east, assessed as inside the disengagement area; two projectiles in flight at an assessed range of 1-3km east and an undetermined explosion at an assessed range of 3-5km east-north-east, all assessed as outside the disengagement area but within its 5km periphery, as well as an undetermined explosion at an assessed range of 2.5-4km south-south-east (unable to be assessed whether inside or outside the disengagement area). On 30 September, positioned on the southern edge of the disengagement area near Zolote, the SMM heard an undetermined explosion at an assessed range of 1-2km west-north-west, assessed as inside the disengagement area.

On 30 September, about 850m south of the northern edge of the Zolote disengagement area, and about 90m north of the railway tracks, the Mission again saw a barbed wire⁶ with an attached manufactured “Stop” (in Latin letters) sign on it, along with a tube of the unused rocket-propelled grenade (RPG-22) placed on the ground on the western edge of the road T-1316; both obstacles were removed by the Ukrainian Armed Forces to allow the SMM passage through the disengagement area. The Mission saw for the first time an 82mm mortar tailfin inside the disengagement area, in the middle of the T-1316 road, about 136m south-east of the tube of the unused RPG-22, assessed as exploded.

On 29 September, inside the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), an SMM mini-UAV [again](#) spotted an armoured combat vehicle (ACV) (type undetermined) about 1.2km south of the area’s northern edge and 1.3km east of its western edge, assessed as belonging to the Ukrainian Armed Forces. An SMM mini-UAV spotted up to seven Ukrainian Armed Forces soldiers, inside the disengagement area.

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

⁶ In the [SMM Daily Report of 30 September 2019](#), the sentence in this section should have read “about 90m north of the railway tracks”.

On 28 and 29 September, an SMM mini-UAV [again](#) spotted a probable machine gun about 5m south of the northern edge of the disengagement area near Petrivske and about 390m west of its eastern edge, and a probable machine gun about 10m north of its southern edge and about 60m west of its eastern edge next to three men in camouflage uniforms assessed as belonging to the armed formations, all inside the disengagement area and near positions of the armed formations.

Outside the disengagement area near Petrivske, on the road between Viktorivka (non-government-controlled, 42km south-west of Donetsk) and Bohdanivka (government-controlled, 41km south-west of Donetsk), the same UAV [again](#) spotted 28 anti-tank mines (TM-62) laid across the road about 160m north of the disengagement area and about 150 anti-tank mines (TM-62) in a field running from 60m north of the northern edge of the disengagement area to about 680m further north.

On 30 September, positioned close to the disengagement area near Petrivske, the SMM observed a calm situation; however, it was [again](#) restricted accessing its camera site near 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 eight weapons in violation of withdrawal lines, all in government-controlled areas of Luhansk region. The SMM also observed at least seven weapons beyond their withdrawal lines but outside storage sites in government-controlled areas of both Donetsk and Luhansk regions (for more details, see the tables below).

Weapons that the SMM could not verify as withdrawn⁷

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

28 September

The SMM noted that:

- three self-propelled howitzers (2S3 *Akatsiya*, 152mm), and seven tanks (T-80) were present; and
- two self-propelled howitzers (2S3) were missing for the first time, whereas 58 tanks (six T-72, 52 T-64), 11 self-propelled mortars (2S9 *Nona*, 120mm) and 22 self-propelled howitzers (2S1 *Gvozdika*, 122mm) continued to be missing.

Indications of military and military-type presence in the security zone⁸

Government-controlled areas

28 September

⁷ 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.

⁸ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

An SMM long-range UAV spotted:

- 17 ACVs, including at least ten infantry fighting vehicles (IFV) (BMP-1), near Dyliivka (49km north of Donetsk);
- an armoured reconnaissance vehicle (BRDM-2) near Svitlodarsk (57km north-east of Donetsk);
- two armoured personnel carriers (APC) (BTR-80) and an ACV near Malynove (19km north-east of Luhansk);
- an ACV near Shyrokyi (38km north-east of Luhansk);
- a probable APC (MT-LB) near Pidlisne (70km north-west of Luhansk); and
- an APC (MT-LB) and an IFV (BMP-2) near Oleksandropillia (71km west of Luhansk).

An SMM mini-UAV spotted an IFV (BMP variant) near Krasnohorivka (21km west of Donetsk).

29 September

An SMM mini-UAV spotted three IFVs (BMP-1) in Zolote-4/Rodina (59km west of Luhansk).

30 September

The SMM saw:

- an APC (BTR-70) near Novobakhmutivka (28km north of Donetsk);
- an IFV dug in a camouflaged revetment and two APCs (BTR-70) near Popasna;
- an APC (MT-LB) near Troitske (69km west of Luhansk); and
- an IFV dug in a camouflaged revetment near Novozvanivka (70km west of Luhansk).

Non-government-controlled areas

28 September

An SMM mini-UAV spotted an ACV inside the disengagement area near Petrivske.

Unexploded ordnance (UXO) and remnants of exploded devices between Popasna and Molodizhne

On 30 September, the SMM [again](#) saw remnants of an exploded grenade (PG-7) on the northern edge of road T-0504, about 1.5km south-west of Molodizhne (non-government-controlled, 63km west of Luhansk). On the eastern edge of the same road, the Mission [again](#) saw remnants of an exploded anti-tank grenade (PG-7) and a tailfin of an exploded recoilless gun (SPG-9) and an unexploded anti-tank grenade (PG-7) fuse with a damaged warhead. On the western edge of the same road, it [again](#) saw a part of an 82mm mortar round still with explosive content inside but without a fuse or a tailfin.

SMM facilitation of operation of and repair works to civilian infrastructure

The SMM monitored adherence to the ceasefire to facilitate repairs to water pipelines between Zolote-3/Stakhanovets (government-controlled, 61km west of Luhansk) and Popasna, to power lines near Holmivskiyi (non-government-controlled, 49km north-east of Donetsk), as well as to enable the drilling of wells near Raivka (non-government-controlled, 16km north-west of Luhansk). The Mission also monitored adherence to the ceasefire to facilitate demining and dismantling of a bridge near Shchastia (government-controlled, 20km north of Luhansk).

The SMM continued to facilitate the operation of the DFS (15km north of Donetsk) and monitor the security situation around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Border areas outside government control

On 30 September, while at a border crossing point near Uspenka (73km south-east of Donetsk) for about one hour, the SMM saw 19 cars (four with Ukrainian and three with Russian Federation licence plates and 12 with “DPR” plates), 13 covered cargo trucks (eight with Ukrainian, one with Russian Federation and one with Belarusian licence plates, as well as three with “DPR” plates), and two buses (one with Ukrainian licence plates and one with “DPR” plates) entering Ukraine. It also saw 44 cars (nine with Ukrainian, four with Russian Federation licence plates, 30 with “DPR” and one with “LPR” plates), 16 covered cargo trucks (nine with Ukrainian, four with Russian Federation, one with Belarusian licence plates, as well as two with “DPR” plates), and three buses (one with Russian Federation licence plates, and two with “DPR” plates) exiting Ukraine.

While at a border crossing point near Marynivka (78km east of Donetsk), for about one hour, the SMM saw three cars (one with Russian Federation licence plates and two with “DPR” plates), one minibus with Armenian licence plates and a bus with “DPR” plates as well as two men and a woman entering Ukraine. It also saw 17 cars (three with Ukrainian and eight with Russian Federation licence plates, and six with “DPR” plates), three trucks (one with Ukrainian licence plates with no cargo and two with “DPR” plates and closed cargo), two buses with “DPR” plates and a man exiting Ukraine.

While at a pedestrian border crossing point near Ulianiivske (61km south-east of Donetsk) for about 30 minutes, the SMM saw no pedestrians entering or exiting Ukraine.

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, 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 JCCC 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 30 September](#)). 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:

- At a checkpoint on the northern edge of Petrivske (non-government-controlled, 41km south of Donetsk), an armed member of the armed formations [again](#) denied the SMM

passage, citing “engineer’s work and demining in the area”, thereby restricting the SMM’s access to its camera in Petrivske.

- At a checkpoint west of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), an armed members of the armed formations, [again](#) denied the SMM passage citing “ongoing demining activities”.
- At a checkpoint near Shevchenko (non-government-controlled, 69km south of Donetsk), three members of the armed formations denied the SMM passage citing lack of awareness of the SMM visit to the village by those in control.

Delay:

- At a checkpoint west of Verkhnohyrokiivske, a member of the armed formations [again](#) allowed the SMM to proceed only after about 80 minutes of waiting.

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.

Other impediments:

- On the evening of 28-29 September, an SMM long-range UAV lost its dual GPS signal, due to signal interference assessed as caused by jamming, while flying near Ivanopillia (government-controlled, 51km north of Donetsk) and Khoroshe (non-government-controlled, 36km west of Luhansk). The same UAV also lost its GPS signal due to signal interference assessed due to probable jamming, while flying over government-and non-government-controlled areas of Luhansk region and government-controlled areas north of Donetsk region.⁹
- On 30 September, on two occasions, an SMM mini-UAV lost its GPS signal due to signal interference assessed as caused by probable jamming while flying in the vicinity of Hnutove (government-controlled, 90km south of Donetsk).

⁹ The interference could have originated from anywhere within the radius of kilometres from the UAVs’ position.

Table of weapons

Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
30/09/2019	4	Multiple launch rocket systems (BM-27 <i>Uragan</i> , 220mm)	Near Lyman (31km north of Luhansk)	Patrol
28/09/2019	2	Towed howitzers (D-20, 152mm)	Novookhtyrka (55km north-west of Luhansk)	Long-range UAV
28/09/2019	1	Tank (probable T-64)	Pidlisne (70km north-west of Luhansk)	Long-range UAV
28/09/2019	1	Self-propelled anti-aircraft system (2K22 <i>Tunguska</i>)		

Beyond withdrawal lines but outside of designated storage sites:

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
28/09/2019	At least 3	Tank (type unidentified)	Voronove (66km north-west of Luhansk)	Long-range UAV
30/09/2019	4	Towed howitzers (D-20, 152mm)	Near Khibodarivka (65km south-west of Donetsk)	Patrol

Table of ceasefire violations as of 30 September 2019¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time	
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	1-2km ESE	Recorded	7	Projectile	N to S	N/K	29-Sep, 18:38	
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-3km S	Recorded	1	Projectile	W to E	N/K	29-Sep, 19:59	
	2-3km SSE	Recorded	2	Projectile	W to E	N/K	29-Sep, 20:13	
	2-3km S	Recorded	3	Projectile	W to E	N/K	29-Sep, 20:19	
	2-3km S	Recorded	3	Projectile	W to E	N/K	29-Sep, 21:35	
	2-3km S	Recorded	2	Muzzle flash		N/K	30-Sep, 01:16	
	2-3km S	Recorded	1	Muzzle flash		N/K	30-Sep, 01:35	
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:09	
	0.8-1km S	Recorded	1	Muzzle flash		N/K	29-Sep, 20:51	
	0.8-1km S	Recorded	1	Explosion	Impact	N/K	29-Sep, 20:51	
	0.8-1km S	Recorded	1	Muzzle flash		N/K	29-Sep, 20:55	
	0.8-1km S	Recorded	1	Muzzle flash		N/K	29-Sep, 20:57	
	200-400m SSW	Recorded	7	Muzzle flash		AGL	29-Sep, 21:03	
	200-400m SSW	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 21:03	
	300-800m S	Recorded	3	Explosion		N/K	29-Sep, 21:03	
	200-400m SSW	Recorded	26	Muzzle flash		AGL	29-Sep, 21:04	
	300-500m S	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 21:04	
	300-500m S	Recorded	2	Explosion	Impact	N/K	29-Sep, 21:05	
	200-400m SSW	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 21:05	
	200-600m S	Recorded	1	Projectile	SSW to NNE	N/K	29-Sep, 21:06	
	200-400m SSW	Recorded	2	Explosion	Impact	N/K	29-Sep, 21:06	
	200-400m SSW	Recorded	31	Muzzle flash		AGL	29-Sep, 21:06	
	200-400m SSW	Recorded	2	Explosion	Airburst	N/K	29-Sep, 21:07	
	200-400m SSW	Recorded	3	Muzzle flash		AGL	29-Sep, 21:07	
	200-400m SW	Recorded	1	Muzzle flash		N/K	29-Sep, 21:09	
	200-800m SSW	Recorded	1	Projectile	NW to SE	N/K	29-Sep, 21:09	
	200-800m SSW	Recorded	1	Muzzle flash		N/K	29-Sep, 21:09	
	200-400m SW	Recorded	1	Explosion	Airburst	N/K	29-Sep, 21:09	
	2-4km SW	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 21:14	
	300-400m S	Recorded	1	Projectile	W to E	N/K	29-Sep, 23:09	
	300-400m S	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 23:17	
	300-800m S	Recorded	8	Projectile	SSW to NNE	N/K	30-Sep, 00:29	
	300-800m S	Recorded	3	Projectile	SSW to NNE	N/K	30-Sep, 00:56	
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 00:57	
	300-800m S	Recorded	3	Projectile	SSW to NNE	N/K	30-Sep, 00:57	
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	30-Sep, 02:12	
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	30-Sep, 03:32	
	SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:49
		3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 22:25
		2-4km ENE	Recorded	1	Projectile	N to S	N/K	29-Sep, 23:58
2-4km ENE		Recorded	3	Projectile	N to S	N/K	29-Sep, 23:59	

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.

SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:38
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-4km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:29
	1-2km ENE	Recorded	1	Projectile	NW to SE	N/K	29-Sep, 20:27
	2-4km E	Recorded	1	Projectile	WNW to ESE	N/K	29-Sep, 20:30
	2-4km ENE	Recorded	3	Projectile	N to S	N/K	29-Sep, 20:30
	1-2km ENE	Recorded	11	Projectile	NW to SE	N/K	29-Sep, 20:31
	1-2km ENE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 20:31
	2-4km ENE	Recorded	9	Projectile	NNW to SSE	N/K	29-Sep, 20:40
	1.5-3km ENE	Recorded	4	Projectile	N to S	N/K	29-Sep, 20:44
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	29-Sep, 21:03
	2-4km E	Recorded	1	Explosion	Impact	N/K	29-Sep, 22:16
1-2km ENE	Recorded	6	Projectile	NW to SE	N/K	30-Sep, 03:26	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	6	Projectile	SE to NW	N/K	29-Sep, 20:53
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	2-3km S	Recorded	4	Projectile	E to W	N/K	29-Sep, 19:07
	2-3km S	Recorded	1	Projectile	W to E	N/K	29-Sep, 19:11
	2-3km S	Recorded	1	Projectile	E to W	N/K	29-Sep, 19:32
	2-3km S	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:32
	2-4km S	Recorded	1	Projectile	W to E	N/K	29-Sep, 20:36
	2-4km S	Recorded	2	Projectile	NW to SE	N/K	29-Sep, 22:36
	2-4km S	Recorded	1	Projectile	NE to SW	N/K	29-Sep, 22:43
	2-4km S	Recorded	19	Projectile	W to E	N/K	29-Sep, 23:47
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Sep, 23:50
	2-4km S	Recorded	1	Projectile	E to W	N/K	29-Sep, 23:51
	2-4km S	Recorded	2	Projectile	E to W	N/K	30-Sep, 00:21
	2-4km S	Recorded	4	Projectile	E to W	N/K	30-Sep, 00:23
	2-4km S	Recorded	2	Projectile	E to W	N/K	30-Sep, 00:28
	2-4km S	Recorded	1	Projectile	E to W	N/K	30-Sep, 00:33
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 00:47
	2-4km S	Recorded	2	Projectile	W to E	N/K	30-Sep, 00:48
	2-4km S	Recorded	7	Projectile	W to E	N/K	30-Sep, 00:49
	2-4km S	Recorded	2	Projectile	W to E	N/K	30-Sep, 00:50
	2-4km S	Recorded	3	Projectile	W to E	N/K	30-Sep, 00:51
	2-4km S	Recorded	2	Projectile	E to W	N/K	30-Sep, 00:52
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 00:52
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 00:54
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 00:59
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:03
	2-4km S	Recorded	2	Projectile	W to E	N/K	30-Sep, 01:08
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:08
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:09
	2-4km S	Recorded	2	Explosion	Undetermined	N/K	30-Sep, 01:13
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 01:15
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:15
	2-4km S	Recorded	6	Explosion	Undetermined	N/K	30-Sep, 01:16
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:20
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:23
2-4km S	Recorded	2	Explosion	Undetermined	N/K	30-Sep, 01:25	

	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:27
	2-4km S	Recorded	7	Projectile	W to E	N/K	30-Sep, 01:27
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	30-Sep, 01:28
	2-4km S	Recorded	2	Projectile	W to E	N/K	30-Sep, 01:29
	2-4km S	Recorded	2	Projectile	W to E	N/K	30-Sep, 01:30
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:34
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:36
	3-5km S	Recorded	2	Explosion	Undetermined	N/K	30-Sep, 01:37
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:39
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:40
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:42
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:43
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:46
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 01:48
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 01:57
	2-4km S	Recorded	4	Projectile	NW to SE	N/K	30-Sep, 01:57
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 02:05
	2-4km S	Recorded	1	Explosion	Impact	N/K	30-Sep, 02:05
	2-4km S	Recorded	1	Projectile	W to E	N/K	30-Sep, 02:06
	2-4km S	Recorded	1	Explosion	Impact	N/K	30-Sep, 02:06
	3-5km SSE	Recorded	1	Explosion	Undetermined	N/K	30-Sep, 03:20
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km ESE	Recorded	1	Burst		N/K	29-Sep, 18:39
	6-8km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Sep, 18:50
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:51
	6-8km ESE	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 18:52
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:53
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 18:53
	6-8km ESE	Recorded	1	Explosion	Airburst	N/K	29-Sep, 18:53
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:53
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:54
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 18:54
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:54
	6-8km ESE	Recorded	3	Explosion	Undetermined	N/K	29-Sep, 18:55
	6-8km ESE	Recorded	1	Muzzle flash		N/K	29-Sep, 18:56
	6-8km ESE	Recorded	2	Projectile	In vertical flight	N/K	29-Sep, 18:56
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 18:57
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 18:58
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 18:58
	6-8km E	Recorded	2	Projectile	NNW to SSE	N/K	29-Sep, 19:04
	6-8km ESE	Recorded	1	Muzzle flash		N/K	29-Sep, 19:10
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:10
	6-8km ESE	Recorded	1	Muzzle flash		N/K	29-Sep, 19:12
	6-8km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:12
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:12
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:16
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	29-Sep, 19:19
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:19
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:20
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:22

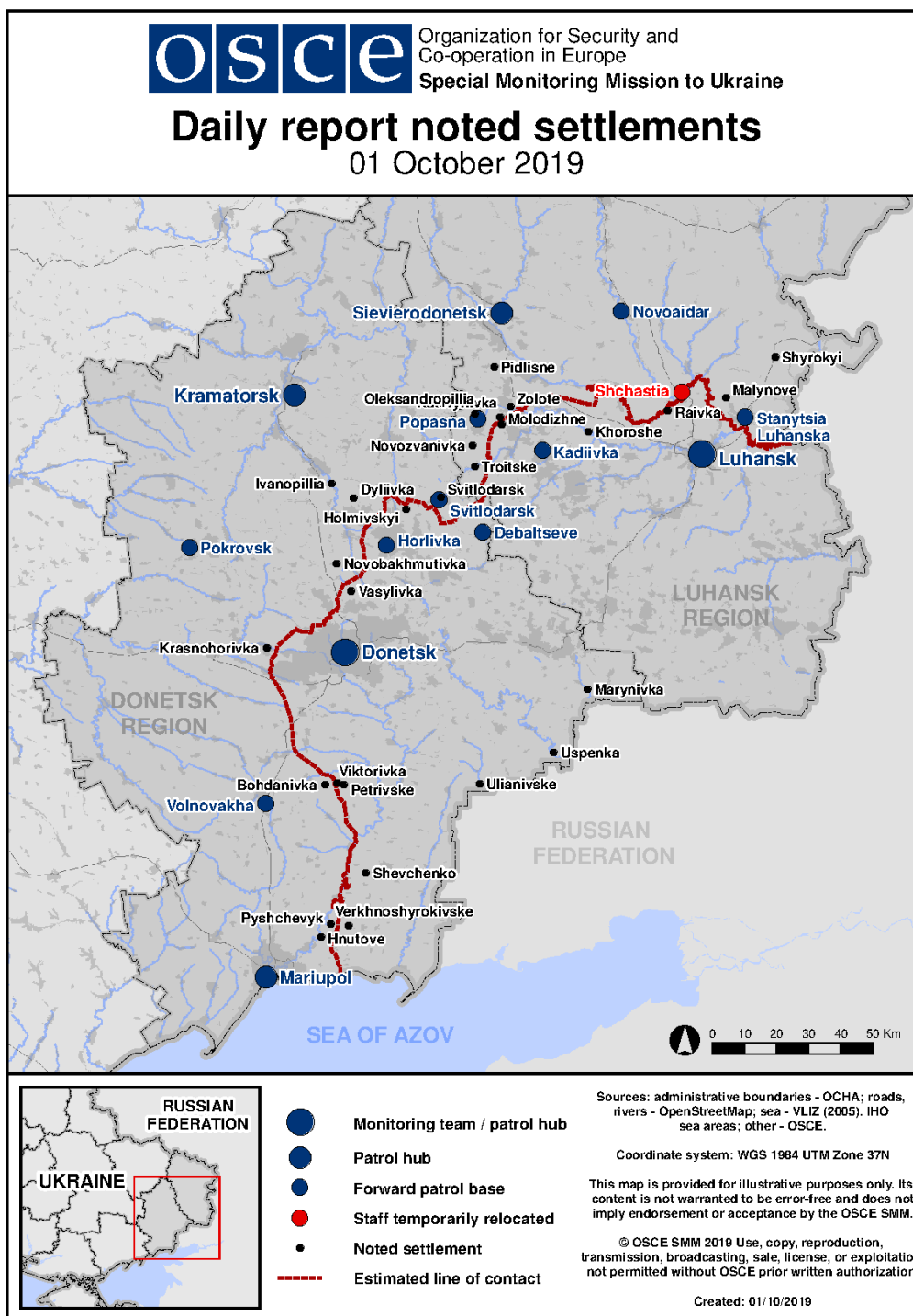
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:22
	6-8km ESE	Recorded	1	Explosion	Outgoing	N/K	29-Sep, 19:23
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:23
	6-8km ESE	Recorded	1	Projectile	NNW to SSE	N/K	29-Sep, 19:25
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	29-Sep, 19:25
	6-8km ESE	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:26
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:26
	6-8km E	Recorded	1	Explosion	Outgoing	N/K	29-Sep, 19:34
	6-8km E	Recorded	1	Projectile	N to S	N/K	29-Sep, 19:34
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:35
	6-8km ESE	Recorded	1	Projectile	SW to NE	N/K	29-Sep, 19:35
	6-8km E	Recorded	9	Projectile	S to N	N/K	29-Sep, 19:38
	6-8km E	Recorded	4	Projectile	S to N	N/K	29-Sep, 19:39
	6-8km E	Recorded	5	Projectile	N to S	N/K	29-Sep, 19:40
	6-8km E	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:40
	6-8km E	Recorded	17	Projectile	S to N	N/K	29-Sep, 19:40
	6-8km E	Recorded	4	Projectile	N to S	N/K	29-Sep, 19:41
	6-8km E	Recorded	1	Muzzle flash		N/K	29-Sep, 19:41
	6-8km ESE	Recorded	1	Muzzle flash		N/K	29-Sep, 19:41
	6-8km ESE	Recorded	1	Projectile	In vertical flight	N/K	29-Sep, 19:41
	6-8km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:42
	6-8km E	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 19:42
	6-8km ESE	Recorded	2	Explosion	Undetermined	N/K	29-Sep, 19:42
	6-8km E	Recorded	5	Projectile	S to N	N/K	29-Sep, 19:42
	6-8km E	Recorded	3	Projectile	N to S	N/K	29-Sep, 19:42
	6-8km ESE	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:42
	6-8km E	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:43
	6-8km ESE	Recorded	1	Projectile	S to N	N/K	29-Sep, 19:44
	6-8km E	Recorded	1	Explosion	Airburst	N/K	29-Sep, 19:48
	6-8km ESE	Recorded	1	Explosion	Impact	N/K	29-Sep, 19:57
	4-6km ESE	Recorded	1	Projectile	S to N	N/K	30-Sep, 03:19
Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	2-3km W	Heard	7	Shot		HMG	30-Sep, 10:49
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	0.8-1.5km SW	Heard	1	Burst		Small arms	30-Sep, 10:40
	1.5-2km SW	Heard	2	Shot		HMG	30-Sep, 10:55
Trudivski area (non-government-controlled, 15km SW of Donetsk city centre)	0.8-1.5km SSE	Heard	23	Shot		Small arms	30-Sep, 11:40
	0.8-1.5km SSE	Heard	5	Burst		Small arms	30-Sep, 11:40
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	30-Sep, 09:15
	2-3km NW	Heard	8	Shot		Small arms	30-Sep, 09:23
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:10
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:19
	2-3km SW	Heard	6	Burst		HMG	30-Sep, 13:27
	1-2km SW	Heard	2	Shot		Small arms	30-Sep, 13:43
	2-3km NW	Heard	2	Shot		Small arms	30-Sep, 14:00

	2-3km SW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 14:13
	2-3km S	Heard	1	Explosion	Undetermined	N/K	30-Sep, 14:13
	2-3km SW	Heard	6	Burst		HMG	30-Sep, 14:15
	2-3km SW	Heard	6	Burst		HMG	30-Sep, 14:19
About 1.7km E of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 10:15
	2-3km SSE	Heard	1	Shot		Small arms	30-Sep, 10:17
	2-3km SSE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 11:15
	2-3km SSE	Heard	2	Explosion	Outgoing	N/K	30-Sep, 14:12
	1-1.5km SE	Heard	9	Burst		HMG	30-Sep, 14:16
	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	30-Sep, 14:47
2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	N/K SE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 10:32
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SW	Heard	16	Explosion	Undetermined	N/K	29-Sep, 18:44-18:56
	3-4km SW	Heard	3	Bursts		HMG	29-Sep, 19:10
	3-4km SW	Heard	12	Bursts		HMG	29-Sep, 20:10
	3-5km SW	Heard	24	Explosion	Undetermined	N/K	29-Sep, 20:16-20:50
	3-4km SW	Heard	5	Bursts		HMG	29-Sep, 21:15
	3-4km SW	Heard	3	Bursts		HMG	29-Sep, 21:53
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km NW	Heard	10	Explosion	Undetermined	N/K	29-Sep, 18:31-18:37
	4-5km NW	Heard	5	Burst		HMG	29-Sep, 18:39
	4-5km NW	Heard	20	Burst		HMG	29-Sep, 18:43
	4-5km NW	Heard	15	Explosion	Undetermined	N/K	29-Sep, 18:45-18:50
	4-5km NW	Heard	2	Burst		HMG	29-Sep, 21:35
	4-5km NW	Heard	2	Burst		HMG	29-Sep, 21:58
	4-5km NW	Heard	5	Burst		HMG	29-Sep, 22:06
	4-5km NW	Heard	5	Burst		HMG	30-Sep, 11:15
SW edge of Novoluhanske (government-controlled, 53km NE of Donetsk)	1-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Sep, 10:02
	1-3km SW	Heard	5	Burst		Small arms	30-Sep, 10:02
	1-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Sep, 10:15
	1-3km SW	Heard	2	Explosion	Undetermined	N/K	30-Sep, 10:23
	1-3km SW	Heard	5	Shot		Small arms	30-Sep, 10:34
	1-3km WSW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 11:03
	3-5km WSW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 14:40
	1-3km SW	Heard	1	Burst		Small arms	30-Sep, 14:43
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km E	Recorded	1	Projectile	NNE to SSW (assessed as outside the disengagement area)	N/K	29-Sep, 20:44
	2.5-4km SSE	Recorded	1	Explosion	Undetermined, unable to assess whether inside or outside the disengagement area	N/K	29-Sep, 21:33

	2-3km SSE	Recorded	2	Explosion	Undetermined, assessed as inside the disengagement area	N/K	29-Sep, 21:41
	1.5-2.5km SSE	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	29-Sep, 21:41
	2-3km SE	Recorded	1	Explosion	Airburst, assessed as inside disengagement area	N/K	29-Sep, 21:41
	2-4km SSE	Recorded	1	Projectile	Assessed as inside the disengagement area	N/K	29-Sep, 21:41
	2.5-4km SE	Recorded	1	Explosion	Undetermined, assessed as inside disengagement area	N/K	29-Sep, 21:50
	3-5km ENE	Recorded	1	Explosion	Assessed as outside the disengagement area	N/K	29-Sep, 22:10
	2-3km E	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area)	N/K	30-Sep, 00:00
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	18-20km WNW	Heard	5	Explosion	Undetermined	N/K	29-Sep, 19:13-19:20
N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Heard	20	Shot and burst	Unable to assess as inside or outside the Zolote disengagement area	Small arms	29-Sep, 20:05-20:07
	3-5km ESE	Heard	5	Burst	Unable to assess as inside or outside the Zolote disengagement area	HMG	29-Sep, 20:05-20:07
	3-5km ESE	Heard	1	Explosion	Undetermined (unable to assess as inside or outside the Zolote disengagement area)	N/K	29-Sep, 20:05
	4-5km ESE	Heard	1	Burst	Unable to assess as inside or outside the Zolote	HMG	30-Sep, 00:11

					disengagement area		
	4-5km ESE	Heard	5	Shot	Unable to assess as inside or outside the Zolote disengagement area	Small arms	30-Sep, 00:11
3km NW of Troitske (government-controlled, 69km W of Luhansk)	4-8km SE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 12:38
	4-8km SE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:38
	4-8km SE	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:45
S edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	1-2km WNW	Heard	1	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	30-Sep, 13:12
Veselohorivka (non-government-controlled, 64km W of Luhansk)	6-8km NW	Heard	1	Explosion	Undetermined	N/K	30-Sep, 13:39
Inside the disengagement area near Stanytsia Luhanska (government-controlled, 16km N of Luhansk)	2km NW	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	30-Sep, 13:23
	1km SSE	Heard	1	Shot	Assessed as inside the disengagement area	Small arms	30-Sep, 15:52
	1km SSE	Heard	1	Shot	Assessed as inside the disengagement area	Small arms	30-Sep, 15:58

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).