



Daily Report 231/2019

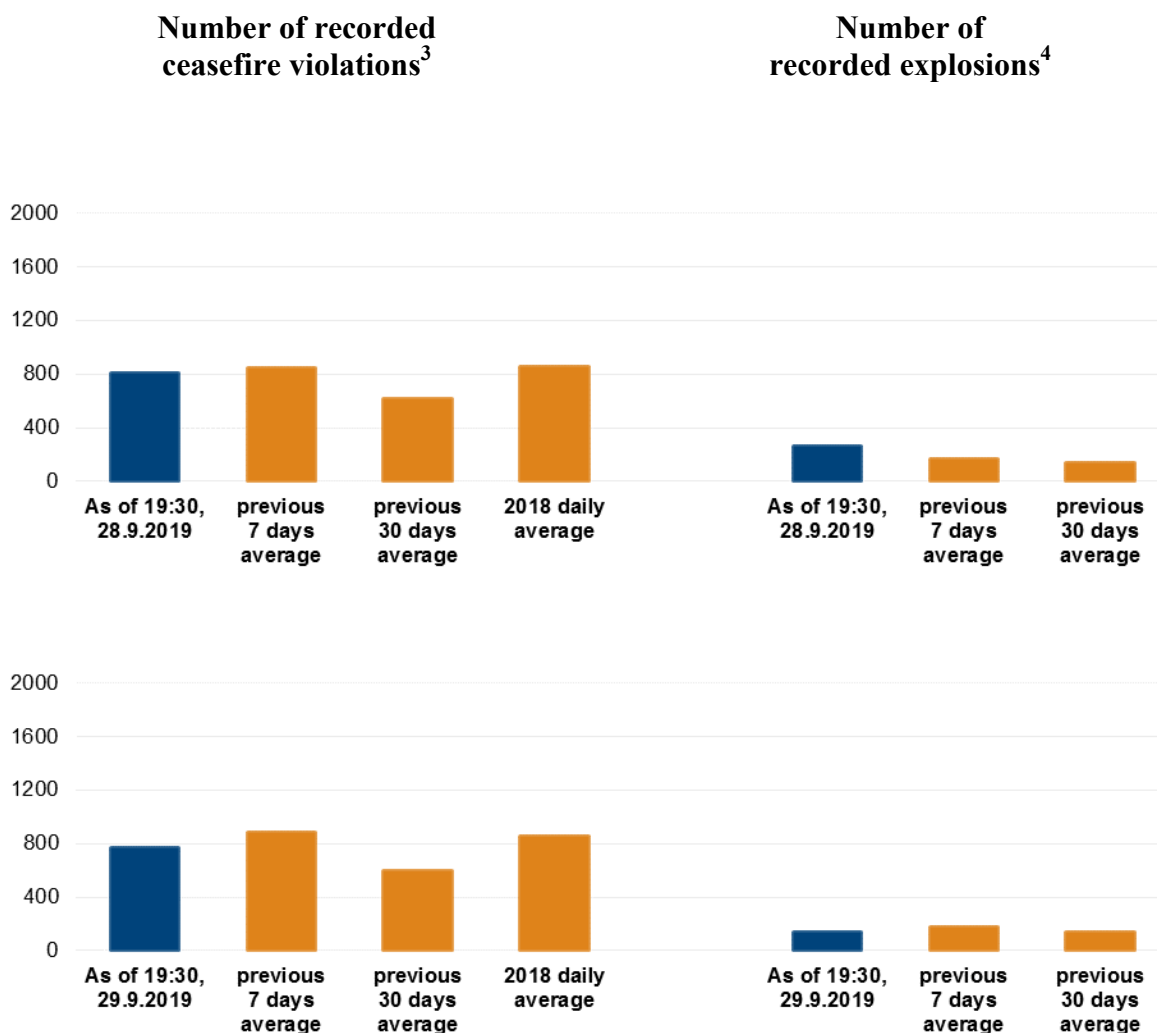
30 September 2019¹

Summary

- Compared with the previous reporting period, between the evenings of 27 and 28 September, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- Between the evenings of 28 and 29 September, the Mission recorded more ceasefire violations in Donetsk region and fewer in Luhansk region, compared with the previous 24 hours.
- SMM mid-range unmanned aerial vehicle (UAV) flying over areas near Petrivske was damaged by small-arms fire; and small-arms fire was assessed as directed at SMM mini-UAV near Lobacheve.
- The SMM saw fresh damage from small-arms fire to a house in Dokuchaievsk and from shelling to a house in Donetsk city.
- Inside the Stanytsia Luhanska disengagement area, the SMM again saw a temporary pedestrian bypass bridge being connected with the broken section of the Stanytsia Luhanska bridge. It also saw workers from non-government-controlled areas clearing vegetation about 50m east of the bridge along the southern bank of the Siverskyi Donets river.
- The SMM saw a tube of a rocket-propelled grenade and recorded ceasefire violations inside the Zolote disengagement area. It again observed military presence inside the Petrivske disengagement area.
- The SMM observed weapons in violation of their respective withdrawal lines in government-controlled areas of Donetsk region and on both sides of the contact line in Luhansk region, including at the former Luhansk international airport.
- The SMM saw unexploded ordnance near non-government-controlled Dovhe and Vesela Hora.
- The SMM monitored adherence to the ceasefire to facilitate the operation of essential civilian infrastructure and the drilling of wells near Raivka.
- Restrictions of the Mission's access continued, including at a checkpoint of the armed formations near the Petrivske disengagement area and Verkhnoшыrokyivske, as well as near non-government-controlled Voznesenivka, areas near the border with the Russian Federation.*

¹ Based on information from the Monitoring Teams as of 19:30, 29 September 2019. All times are in Eastern European Summer Time.

Ceasefire violations²



² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera in Pervomaisk was not operational.

³ Including explosions.

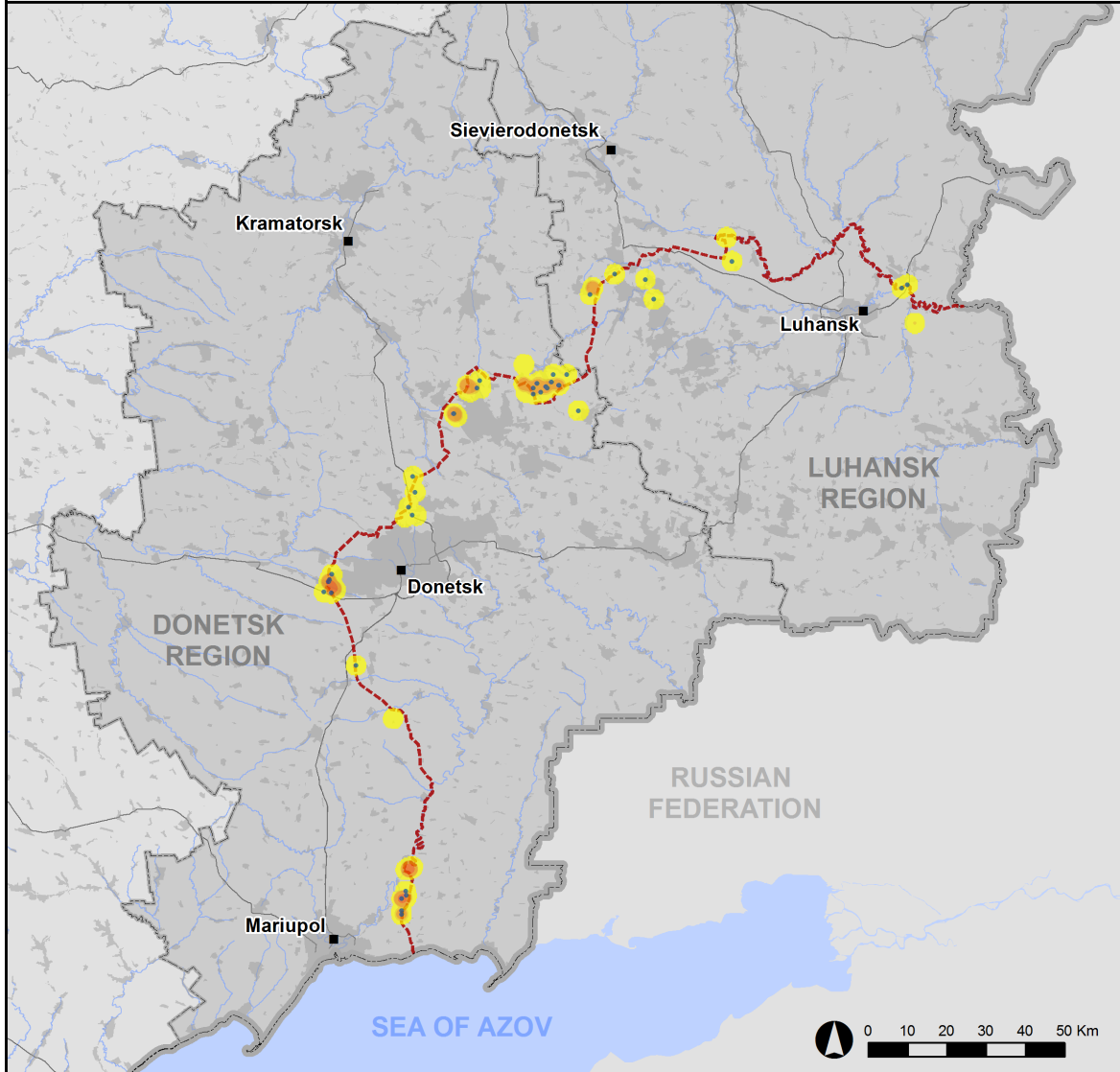
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

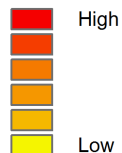


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 28-29 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: 30/09/2019

In Donetsk region, between the evenings of 27 and 28 September, the SMM recorded fewer ceasefire violations, including fewer explosions (about 230), compared with the [previous reporting period](#) (about 360 explosions). The majority of ceasefire violations, including explosions, were recorded at easterly, southerly and westerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and in areas north and north-north-east of Marinka (government-controlled, 23km south-west of Donetsk).

Between the evenings of 28 and 29 September, the SMM recorded more ceasefire violations, however fewer explosions (about 125), compared with the previous 24 hours. 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 2-8km south and south-south-east of the camera, by the SMM camera in Chermalyk (government-controlled, 77km south of Donetsk) at a range of 2-3km south and south-south-east of the camera and in areas east and east-south-east of Svitlodarsk.

In Luhansk region, between the evenings of 27 and 28 September, the SMM recorded more ceasefire violations, including more explosions (30), compared with the [previous reporting period](#) (15 explosions). The majority of ceasefire violations, including explosions, were recorded in areas north-north-west of Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk).

Between the evenings of 28 and 29 September, the SMM recorded fewer ceasefire violations, including fewer explosions (12), compared with the previous 24 hours. The majority of ceasefire violations were recorded in areas south-east of Popasna (government-controlled, 69km west of Luhansk).

SMM mid-range UAV flying over areas near Petrivske was damaged by small-arms fire; and small-arms fire was assessed as directed at SMM mini-UAV near Lobacheve

On 27 September, the SMM conducted a mid-range UAV flight over the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), as well as areas near Viktorivka (42km south-west of Donetsk) and Rodnykove (non-government-controlled, 36km south of Donetsk), about 260-320m above the ground; it landed the UAV. Subsequently, the SMM noted that the same UAV had sustained damage: an entry hole (around 5mm in diameter) on the lower side of the left wing and an exit hole on the upper side of the left wing (around 3-4mm in diameter) with cracks surrounding the hole in an upward direction and a chipped battery on its lower left corner located between the two holes. The SMM assessed the damage as caused by small-arms fire.*

On 29 September, while positioned 1.6km north-north-east of Lobacheve (non-government-controlled, 13km east of Luhansk), conducting a mini-UAV flight, the SMM heard seven shots of small-arms fire about 3km south-east, assessed as aimed at the UAV, which was flying about 3km south-east of its position. The SMM lost control over the UAV and was unable to recover it.*

Fresh damage from small-arms fire to a house in Dokuchaievsk and from shelling to a house in Donetsk city

On 28 September, in the northern edge of Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk), at 15 Vatutina Street, the SMM saw a hole located on the south-

facing window pane on the ground floor of a multi-storey building. It also saw two corresponding holes: one in the sofa opposite the aforementioned window and one in the concrete wall with scratches in the wallpaper, all assessed as the ricochet of one bullet. The SMM assessed that the damage was fresh and had been caused by a 12.7mm bullet. A resident of the apartment (woman in her sixties) told the SMM that the damage had been caused on 27 September while she was at home.

On 29 September, at a one-storey house at 306 Petrovskoho Street in the western outskirts of the Trudivski area of Petrovskiyi district of Donetsk city (non-government-controlled), the SMM saw damage to a west-facing brick wall with debris on the ground scattered in a radius of about 2m as well as broken tree branches in the garden, all assessed as fresh damage caused by shrapnel. The SMM saw pieces of metal assessed as the tailfin of a recoilless gun (SPG-9, 73mm) lying on the ground in front of the above-mentioned wall. A resident of the house (man in his fifties) told the SMM that the damage had been caused by shelling at 18:30 on 28 September while he was at home.

Stanytsia Luhanska disengagement area

On 28 September, the SMM saw ten workers from government-controlled areas with a crane and an excavator working on a concrete foundation 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). The workers were fixing wooden boards on the top of platforms and installing rails on both sides of the temporary bridge, and cutting off a metal part of a traffic barrier on the edge of the broken section of the bridge in order to open up access to the temporary bridge. It also saw seven workers clearing vegetation with two chainsaws and a tractor on the eastern side of the northern edge of the broken section of the bridge.

On the same day, the SMM saw three deminers from non-government-controlled areas gathered close to the checkpoint of the armed formations south of the broken section of the Stanytsia Luhanska bridge and four others [again](#) clearing and burning vegetation about 50m east of the Stanytsia Luhanska bridge, along the southern bank of the Siverskyi Donets river.

Between the checkpoint of the armed formations and the broken section of the bridge, the SMM saw a senior member and at least five other members of the armed formations (wearing “JCCC” armbands).

On 29 September, the SMM saw ten workers from government-controlled area working on a concrete foundation of a temporary pedestrian bypass bridge.

On 29 September, while on the north-eastern edge of Stanytsia Luhanska (government-controlled, 16km north of Luhansk), the SMM heard an undetermined explosion at an assessed range of 2-4km south, assessed as outside the disengagement area but within 5km of its periphery. In the afternoon of 28 September, positioned at the northern edge of the broken section of the bridge, the SMM heard seven explosions, assessed as controlled detonations on the southern bank of the Siverskyi Donets river, inside the disengagement area.

Other disengagement areas⁵

On 27 September, the SMM crossed the road T-1316 through the Zolote disengagement area from non-government to government-controlled areas and back again; it saw for the first time a barbed wire across the road T-1316 that a Ukrainian Armed Forces soldier had removed to allow the SMM's passage and then placed back again about 10-20m south of the railway tracks. While crossing on 26 and 27 September, inside the disengagement area, the SMM saw an unused tube of a rocket-propelled grenade of camouflage colour about 1m long on the western edge of the T-1316 road about 1km north of the checkpoint of the armed formations and 500m south of the SMM camera site.

The SMM saw, outside the Zolote disengagement area, six men in camouflage uniform assessed as belonging to the armed formations digging new trenches west of the local road about 160m south of the disengagement area's southern edge.

On 28 September, the SMM camera in Zolote recorded seven projectiles in flight at an assessed range of 2-4km south-east and an undetermined explosion at an assessed range of 2-3.5km south, all assessed as inside the disengagement area. It also recorded an explosion at an assessed range of 7-10km east-south-east, assessed as outside the disengagement area but within 5km of its periphery.

On 27 September, inside the disengagement area near Petrivske, an SMM long-range UAV [again](#) spotted an armoured personnel carrier (APC) (BTR variant) 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.

On 28 September, positioned close to the disengagement area near Petrivske, the SMM observed a calm situation.*

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 60 weapons in violation of withdrawal lines, 21 in government-controlled areas of Donetsk and Luhansk regions and 39 in non-government-controlled areas of Luhansk region. The SMM also observed 35 weapons beyond their withdrawal lines but outside storage sites, two in government-controlled areas of Donetsk region and 33 in non-government-controlled areas of Luhansk region (for more details, see the tables below).

Weapons permanent storage sites

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

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

The SMM noted that 51 tanks (T-64) and six mortars (M120-15 *Molot*, 120mm) continued to be missing as well as three mortars (2B11/2S12 *Sani*, 120 mm) that were missing of the first time.

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

28 September

The SMM noted that seven tanks (T-72), four towed howitzers (D-30 *Lyagushka*, 122mm) and one mortar 2B14 *Podnos*, 82mm) were missing for the first time.

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

28 September

The SMM noted that seven self-propelled howitzers (2S1 *Gvozdika*, 122mm) continued to be missing.

Indications of military and military-type presence in the security zone⁶

Government-controlled areas

27 September

An SMM long-range UAV spotted:

- an APC (type unidentified) near Zalizne (formerly Artemove, 42km north-east of Donetsk);
- an armoured combat vehicle (ACV) (type unidentified) near Nevelske (18km north-west of Donetsk);
- an ACV (type unidentified) near Marinka;
- an APC (BTR-70) near Novotroitske (36km south-west of Donetsk);
- an ACV (type unidentified) near Starohnativka (51km south of Donetsk);
- three infantry fighting vehicles (IFV) and an ACV (type unidentified) near Novoselivka Druha (69km south of Donetsk);
- three ACVs (type unidentified) near Lebedynske (99km south of Donetsk);
- two ACVs (type unidentified) near Panteleimonivka (34km north of Donetsk); and
- an APC (BTR-80) and an IFV (BMP-2) near Popasna.

29 September

The SMM saw two APCs (MT-LB) on the southern edge of Popasna.

Unexploded ordnance near Dovhe and Vesela Hora

On 28 September, the SMM saw for the first time three separate pieces of UXO assessed as sections from tailfins of an 82mm mortar round and of rocket-propelled grenades (RPG) as well as an unexploded RPG warhead with a damaged nose cone, all covered by rubbish and lying in a ditch 5m west of a local road leading to residential areas about 130m south-west of Dovhe (non-government-controlled, 22km north-west of Luhansk).

⁶ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

On 29 September, the SMM saw for the first time an 82mm mortar round attached to a post at the entrance of an agricultural compound on the southern edge of Vesela Hora (non-government-controlled, 16km north of Luhansk).

SMM facilitation of operation of and repair works to civilian infrastructure

On 28 September, the SMM monitored adherence to the ceasefire to facilitate the drilling of wells near Raivka (non-government-controlled, 16km north-west of Luhansk).

On 28 and 29 September, the SMM continued to facilitate the operation of the Donetsk Filtration Station (15km north of Donetsk).

Border areas outside government control

On 27 September, while at a border crossing point near Novoazovsk (102km south-east of Donetsk) for about 15 minutes, the SMM saw seven cars (one with Ukrainian and one with Russian Federation licence plates, as well as five with “DPR” plates) and a covered cargo truck with Russian Federation licence plates entering Ukraine. It also saw seven cars (three with Ukrainian licence plates and four with “DPR” plates) and one covered cargo truck with “DPR” plates exiting Ukraine.

On 28 September, while at a border crossing point near Uspenka (73km south-east of Donetsk) for about one hour, the SMM saw 17 cars (two with Ukrainian, eight with Russian Federation and two with Lithuanian licence plates, as well as five with “DPR” plates), 12 covered cargo trucks (seven with Ukrainian, one with Russian Federation and one with Belarus licence plates, as well as three with “DPR” plates), two buses with “DPR” plates, as well as 25 pedestrians (11 men and 14 women, mixed ages), entering Ukraine. It also saw 17 cars (two with Ukrainian, six with Russian Federation, one with Polish and one with Estonian licence plates, as well as seven with “DPR” plates), five covered cargo trucks (four with Ukrainian licence plates, as well as one with “DPR” plates), one bus with Russian Federation licence plates, as well as 20 pedestrians (11 men and nine women, mixed ages), exiting Ukraine.

Positioned at a border crossing point near Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk), the SMM saw no pedestrians or traffic entering or exiting Ukraine. After about ten minutes, a member of the armed formations asked the SMM to leave the area.*

Positioned at the Chervona Mohyla railway station near Voznesenivka, the SMM saw no railway cars entering or exiting Ukraine. After about ten minutes, a member of the armed formations told the SMM to leave the area.*

Gathering in Kyiv

On 27 September, the SMM monitored a gathering in relation to investigations into attacks against civil activists, including Kateryna Handziuk. The Mission saw about 300 protesters (mixed gender, aged 20-60) gathered in front of the Presidential Administration, with the presence of about 30 police officers. A participant complained about what they said was the lack of progress in investigations. The Mission saw some of them spray-paint a message “Who Will Be the Next Katya Handziuk” on an exterior ground in front of the entrance to the

building of the Presidential Administration. The SMM saw that the police escorted a man (26 years old) holding a banner with a message “attacks by right-wing groups should also be investigated” after he had been engaged in verbal altercations with a group of ten men, some wearing the insignia of the “Municipal Varta”. It did not observe further incidents.

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

***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 below). 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:

- On 28 and 29 September, 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 shelling in the area”, thereby restricting the SMM’s access to its camera in Petrivske.
- On 28 and 29 September, at a checkpoint 1km west of Verkhnohshyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), two members of the armed formations, including one visibly armed, [again](#) denied the SMM passage citing “ongoing anti-terrorist operation” and “demining activities”.
- On 28 September, at a border crossing point near Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk), a member of the armed formations told the SMM to leave the area.
- On 28 September, at the Chervona Mohyla railway station in Voznesenivka, a member of the armed formations told the SMM to leave, citing it was not allowed to be in the area.

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 27 September, an SMM long-range UAV lost its GPS signal, assessed as due to probable jamming, while flying over areas between Illinivka (government-controlled, 56km north of Donetsk) and Petrivske (non-government-controlled, 41km south of Donetsk) and between Hranitne (government-controlled, 60km south of Donetsk) and Shevchenko (non-government-controlled, 82km south of Donetsk). The same UAV also lost its GPS signal due to signal interference, assessed as jamming, while flying over government-controlled areas of southern Donetsk region and non-government-controlled areas of central Donetsk region.⁷
- On 28 September, an SMM mini UAV experienced on three occasions signal interference, assessed as due to probable jamming, while flying over areas near Bohdanivka (government-controlled, 41km south-west of Donetsk).
- On 28 September, the SMM noted its mid-range UAV had sustained damage, assessed as caused by small-arms fire during a flight over the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), as well as areas near Viktorivka (42km south-west of Donetsk) and Rodnykove (non-government-controlled, 36km south of Donetsk) on 27 September (see above).
- On 29 September, positioned 1.6km north-north-east of Lobacheve (non-government-controlled, 13km east of Luhansk), while conducting a mini-UAV flight, the SMM heard seven shots of small-arms fire about 3km south-east, assessed as aimed at the UAV, which was flying about 3km south-east of its position. The SMM lost control over the UAV, which crashed in the field; the Mission was unable to recover it.
- On 29 September, an SMM mini-UAV experienced signal interference, assessed as due to probable jamming, while flying over areas near Petrivske.

⁷ 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				
27/09/2019	2	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)	Khersones (87km south of Donetsk)	Mini UAV
28/09/2019	3	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	1.5km south-west of Marynivka (41km south-west of Donetsk)	Patrol
28/09/2019	3	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	Bakhmut (formerly Artemivsk, 67km north of Donetsk)	Patrol
28/09/2019	2	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)	Maloriantseve (77km north-west of Luhansk)	Patrol
28/09/2019	3	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)	Maloriantseve (77km north-west of Luhansk)	Patrol
29/09/2019	4	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Bakhmut (formerly Artemivsk, 67km north of Donetsk)	Patrol
29/09/2019	4	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	Bakhmut (formerly Artemivsk, 67km north of Donetsk)	Patrol
Non-government-controlled areas				
28/09/2019	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Rozkvit (47km north-east of Luhansk)	Patrol
28/09/2019	1	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	Former Luhansk international airport, about 2km north of Peremozhne (19km south of Luhansk)	Patrol
28/09/2019	7	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		Patrol
28/09/2019	7	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)		Patrol
28/09/2019	7	Towed howitzer (2A65 <i>Msta-B</i> , 152mm)		Patrol
28/09/2019	11	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)		Patrol
28/09/2019	1	Anti-tank gun (BS-3, 100mm)		Patrol
28/09/2019	3	Anti-tank gun (MT-12 <i>Rapira</i> , 100mm)		Patrol

Beyond withdrawal lines but outside of designated storage sites:

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				

29/09/2019	2	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	4km north-west of Selidove (41km north-west of Donetsk)	Patrol
Non-government-controlled areas				
28/09/2019	22	Tank (nine T-72 and 13 T-64)	Former Luhansk international airport, about 2km north of Peremozhne (19km south of Luhansk)	Patrol
28/09/2019	7	Surface-to-air missile system (9K35 <i>Strela-10</i>)		Patrol
28/09/2019	4	Mortar (three 2B9 <i>Vasilek</i> , 82mm and a SB11 <i>Sani</i> , 120mm)		Patrol

Table of ceasefire violations as of 29 September 2019⁸

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 21:26
	2-4km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	27-Sep, 21:26
	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 21:27
	2-4km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	27-Sep, 21:27
	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 21:30
	2-4km SSE	Recorded	1	Projectile	SW to NE (subsequent to previous event)	N/K	27-Sep, 21:30
	2-4km SE	Recorded	6	Explosion	Undetermined	N/K	27-Sep, 21:30
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-4km SSE	Recorded	4	Projectile	W to E	N/K	27-Sep, 23:29
	3-4km SSE	Recorded	12	Projectile	W to E	N/K	28-Sep, 00:21
	2-3km SSE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 01:18
	2-3km SSE	Recorded	1	Explosion	Airburst	N/K	28-Sep, 01:51
	2-3km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 05:26
	2-3km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 05:29
	2-3km SSE	Recorded	5	Projectile	W to E	N/K	28-Sep, 05:39
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	27-Sep, 21:53
	3-4km S	Recorded	1	Illumination flare	In vertical flight	N/K	27-Sep, 21:54
	1-2km SSW	Recorded	8	Projectile	WNW to ESE	N/K	27-Sep, 22:45
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K	27-Sep, 19:20
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	27-Sep, 19:20
	3-5km ESE	Recorded	2	Projectile	SW to NE (also recorded by SMM camera in Chermalyk)	N/K	27-Sep, 19:21
	3-5km ESE	Recorded	1	Explosion	Undetermined (also recorded SMM camera in Chermalyk)	N/K	27-Sep, 19:21
	3-5km E	Recorded	9	Explosion	Also recorded by SMM cameras in Chermalyk and Pyshchevyk	N/K	27-Sep, 19:36
	1-3km E	Recorded	3	Explosion	Also recorded by SMM cameras in Chermalyk and Pyshchevyk	N/K	27-Sep, 19:45
	1-3km E	Recorded	1	Projectile	Also recorded by SMM cameras in Chermalyk and Pyshchevyk	N/K	27-Sep, 19:45
	1-3km E	Recorded	1	Explosion	NW to SE (also recorded by SMM cameras in Chermalyk and Pyshchevyk)	N/K	27-Sep, 19:45
	1-3km E	Recorded	1	Explosion		N/K	27-Sep, 19:45

⁸ 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 E	Recorded	1	Explosion	Outgoing	N/K	27-Sep, 19:47
	1-3km E	Recorded	1	Projectile	NNW to SSE	N/K	27-Sep, 19:47
	1-3km E	Recorded	1	Explosion	Impact	N/K	27-Sep, 19:47
	1-3km E	Recorded	1	Explosion	Outgoing (also recorded by SMM cameras in Chermalyk and Pyshevyk)	N/K	27-Sep, 19:48
	1-3km E	Recorded	1	Explosion	Impact, subsequent to previous event (also recorded by Chermalyk and Pyshevyk cameras)	N/K	27-Sep, 19:48
	1-3km E	Recorded	1	Projectile	NW to SE	N/K	27-Sep, 19:51
	1-3km E	Recorded	1	Explosion	Impact, subsequent to previous event (also recorded by SMM cameras in Chermalyk and Pyshevyk)	N/K	27-Sep, 19:51
	1-3km E	Recorded	1	Explosion	Outgoing (also recorded by SMM cameras in Chermalyk and Pyshevyk)	N/K	27-Sep, 19:51
	2-4km E	Recorded	4	Explosion	Undetermined (also recorded by SMM cameras in Pyshevyk)	N/K	27-Sep, 19:53
	1-3km E	Recorded	1	Explosion	Outgoing (also recorded by SMM cameras in Chermalyk and Pyshevyk)	N/K	27-Sep, 20:00
	1-3km E	Recorded	1	Explosion	Impact, subsequent to previous event (also recorded by SMM cameras in Chermalyk and Pyshevyk)	N/K	27-Sep, 20:00
	1-3km E	Recorded	1	Projectile	N to S (also recorded by the SMM cameras in Pyshevyk and Chermalyk)	N/K	27-Sep, 20:11
	2-4km E	Recorded	1	Explosion	Undetermined (also recorded by Pyshevyk and Chermalyk cameras)	N/K	27-Sep, 20:11
	1-3km E	Recorded	2	Projectile	NNW to SSE (also recorded by SMM cameras in Pyshevyk and Chermalyk)	N/K	27-Sep, 20:12
	1-3km E	Recorded	1	Explosion	Undetermined (also recorded by SMM cameras in Pyshevyk and Chermalyk)	N/K	27-Sep, 20:12
SMM camera E of Lomakyne	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 03:07

(government-controlled, 90km S of Donetsk)							
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	4	Projectile	N to S	N/K	27-Sep, 20:37
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 20:37
	2-4km ENE	Recorded	12	Projectile	N to S	N/K	27-Sep, 20:57
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	27-Sep, 20:57
	2-4km ENE	Recorded	7	Projectile	N to S	N/K	27-Sep, 20:58
	2-4km ENE	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 20:58
	2-4km ENE	Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	27-Sep, 20:58
	2-4km ENE	Recorded	1	Explosion	Impact	N/K	27-Sep, 21:26
2-4km ENE	Recorded	8	Projectile	N to S	N/K	27-Sep, 22:38	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	6-8km N	Recorded	4	Projectile	W to E (also recorded by SMM cameras in Krasnohorivka)	N/K	27-Sep, 18:53
	6-8km NNE	Recorded	3	Explosion	Airburst (also recorded by SMM camera in Krasnohorivka)	N/K	27-Sep, 18:53
	6-8km NNE	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 18:53
	2-4km N	Recorded	3	Muzzle flash		N/K	27-Sep, 23:51
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	27-Sep, 23:51
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	27-Sep, 23:51
	2-4km N	Recorded	1	Muzzle flash		N/K	27-Sep, 23:52
	2-4km NNE	Recorded	2	Projectile	W to E, subsequent to previous event	N/K	27-Sep, 23:52
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	27-Sep, 23:52
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	27-Sep, 23:52
	2-4km N	Recorded	1	Muzzle flash		N/K	27-Sep, 23:53
	2-4km NNE	Recorded	1	Projectile	WSW to ENE, subsequent to previous event	N/K	27-Sep, 23:53
	2-4km NNE	Recorded	7	Projectile	W to E	N/K	27-Sep, 23:54
	2-4km NNE	Recorded	2	Muzzle flash		N/K	27-Sep, 23:55
	2-4km NNE	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	27-Sep, 23:55
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	27-Sep, 23:57
	2-4km NNE	Recorded	1	Muzzle flash		N/K	27-Sep, 23:57
	2-4km NNE	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	27-Sep, 23:57
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	27-Sep, 23:57
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	27-Sep, 23:58
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:18
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:19
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:31
	2-4km NNE	Recorded	2	Projectile	W to E, subsequent to previous event	N/K	28-Sep, 00:31
	2-4km NNE	Recorded	1	Explosion		N/K	28-Sep, 00:31
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:35
	2-4km NNE	Recorded	3	Muzzle flash		N/K	28-Sep, 00:36
	2-4km NNE	Recorded	3	Projectile	W to E, subsequent to previous event	N/K	28-Sep, 00:36
2-4km NNE	Recorded	3	Explosion		N/K	28-Sep, 00:36	

	2-4km NNE	Recorded	13	Projectile	W to E	N/K	28-Sep, 00:39
	2-4km NNE	Recorded	8	Projectile	W to E	N/K	28-Sep, 00:40
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:42
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	28-Sep, 00:44
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:44
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 00:45
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:45
	2-4km NNE	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	28-Sep, 00:45
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 00:49
	2-4km NNE	Recorded	1	Muzzle flash		N/K	28-Sep, 00:54
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	28-Sep, 01:07
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 19:17
	3-5km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 19:18
	3-5km S	Recorded	3	Projectile	WNW to ESE	N/K	27-Sep, 19:19
	6-8km S	Recorded	1	Projectile	W to E	N/K	27-Sep, 19:22
	2-4km S	Recorded	3	Projectile	E to W	N/K	27-Sep, 19:33
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	27-Sep, 19:57
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 19:58
	2-4km SSE	Recorded	1	Muzzle flash		N/K	27-Sep, 20:00
	2-4km SSE	Recorded	1	Explosion	Airburst	N/K	27-Sep, 20:11
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	27-Sep, 20:11
	2-4km SSE	Recorded	4	Explosion	Undetermined (also recorded by SMM camera in Hnutove)	N/K	27-Sep, 20:12
	3-5km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 20:24
	6-8km S	Recorded	3	Projectile	W to E	N/K	27-Sep, 20:31
	2-4km S	Recorded	3	Projectile	E to W	N/K	27-Sep, 20:32
	2-4km S	Recorded	2	Projectile	W to E	N/K	27-Sep, 20:32
	5-7km S	Recorded	1	Explosion	Undetermined (also recorded by SMM camera in Lomakyne)	N/K	27-Sep, 21:30
	2-4km S	Recorded	5	Projectile	W to E	N/K	27-Sep, 23:45
	3-5km S	Recorded	1	Projectile	W to E	N/K	27-Sep, 23:46
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 03:01
	3-5km S	Recorded	9	Projectile	W to E	N/K	28-Sep, 03:07
	3-5km S	Recorded	7	Projectile	W to E	N/K	28-Sep, 03:08
	3-5km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 03:09
	3-5km S	Recorded	4	Projectile	W to E	N/K	28-Sep, 03:10
3-5km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 03:11	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	1-3km ESE	Recorded	1	Projectile	In vertical flight	N/K	27-Sep, 19:01
	1-3km ESE	Recorded	1	Projectile		N/K	27-Sep, 19:05
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Sep, 19:19
	2-4km S	Recorded	4	Projectile	N to S	N/K	27-Sep, 19:24
	3-4km ESE	Recorded	1	Projectile	In vertical flight, subsequent to previous event	N/K	27-Sep, 19:28
	3-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Sep, 19:29
	3-4km S	Recorded	15	Projectile	N to S	N/K	27-Sep, 19:31
	3-4km S	Recorded	14	Projectile	N to S	N/K	27-Sep, 19:32
	3-4km ESE	Recorded	1	Projectile	N to S, subsequent to previous event	N/K	27-Sep, 19:36
	2-4km ESE	Recorded	6	Projectile	S to N	N/K	27-Sep, 20:55
2-4km ESE	Recorded	1	Projectile	S to N	N/K	27-Sep, 21:16	
NE part of Avdiivka (government-controlled, 17km N of Donetsk)	4-6km NNW	Heard	7	Explosion	Undetermined	N/K	28-Sep, 13:17-13:19
	4-6km NNW	Heard	5	Explosion	Undetermined	N/K	28-Sep, 13:25
	4-6km NNW	Heard	6	Explosion	Undetermined	N/K	28-Sep, 13:29
E part of Avdiivka (government-	2-3km SSE	Heard	3	Shot		Small arms	28-Sep, 11:44

controlled, 17km N of Donetsk)							
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	8-10km W	Heard	2	Explosion	Undetermined	N/K	28-Sep, 09:45-10:00
	2-3km S	Heard	1	Shot		Small arms	28-Sep, 10:05
	1-2km SE	Heard	1	Shot		Small arms	28-Sep, 10:07
Trudivski area of Donetsk's Petrovskiyi district (non-government-controlled, 15km SW of Donetsk city centre)	2-3km N	Heard	17	Burst		HMG	28-Sep, 11:30-11:38
	2-3km N	Heard	42	Explosion	Undetermined	N/K	28-Sep, 11:30-11:38
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-3km E	Heard	1	Shot		Small arms	28-Sep, 11:18
	2-3km E	Heard	2	Burst		HMG	28-Sep, 11:18
	2-3km E	Heard	2	Shot		Small arms	28-Sep, 11:19
	2-3km E	Heard	2	Burst		HMG	28-Sep, 11:30
	2-3km E	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:30
	2-3km SE	Heard	14	Burst		HMG	28-Sep, 11:32-11:40
	1-2km SE	Heard	4	Burst		HMG	28-Sep, 11:41
	1-2km SE	Heard	4	Burst		HMG	28-Sep, 11:42
About 2km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	1-2km NW	Heard	1	Burst	Assessed outside Petrivske disengagement area	HMG	28-Sep, 10:41
	1-2km NW	Heard	8	Burst	Assessed outside disengagement area	HMG	28-Sep, 11:02-11:07
	1-2km NW	Heard	4	Burst	Assessed outside disengagement area	HMG	28-Sep, 11:14
	1-2km SE	Heard	3	Shot	Assessed inside disengagement area	Small arms	28-Sep, 11:31
	2-3km NNW	Heard	1	Shot	Assessed outside disengagement area	Small arms	28-Sep, 11:02-11:05
	2-3km NNW	Heard	3	Burst	Assessed outside disengagement area	Small arms	28-Sep, 11:02-11:05
	2-3km NNW	Heard	2	Burst	Assessed outside disengagement area	Small arms	28-Sep, 11:06
	2-3km N	Heard	6	Burst	Assessed outside disengagement area	Small arms	28-Sep, 11:14
	2-3km SE	Heard	13	Shot	Assessed inside disengagement area	Small arms	28-Sep, 12:05
Orlivske (government-controlled, 23km NE of Mariupol)	5-6km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 11:15
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 18:34
	3-5km E	Heard	5	Explosion	Undetermined	N/K	27-Sep, 18:45-18:46
	3-5km SE	Heard	6	Explosion	Undetermined	N/K	27-Sep, 18:47-18:48
	2-4km S	Heard	2	Shot		Small arms	27-Sep, 18:48
	3-5km SE	Heard	15	Burst		HMG	27-Sep, 18:49

	3-5km SE	Heard	9	Explosion	Undetermined	N/K	27-Sep, 18:48-18:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 18:55
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 18:58
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:01
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:02
	4-6km SW	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:05
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:05
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	27-Sep, 19:08-19:10
	4-6km S	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:11-19:12
	2-3km SE	Heard	3	Burst		Small arms	27-Sep, 19:13
	5-7km S	Heard	2	Explosion	Undetermined	N/K	27-Sep, 19:14
	3-5km SE	Heard	8	Explosion	Undetermined	N/K	27-Sep, 19:17-19:19
	3-5km SE	Heard	7	Explosion	Undetermined	N/K	27-Sep, 19:20-19:22
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:27
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 19:58
	4-6km SW	Heard	15	Burst		HMG	27-Sep, 20:07
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 20:13
	2-3km SE	Heard	7	Burst		Small arms	27-Sep, 20:40-20:45
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 20:58
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 21:12
	2-3km SE	Heard	5	Burst		Small arms	27-Sep, 21:12
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	27-Sep, 21:17
	3-4km SE	Heard	10	Explosion	Undetermined	N/K	27-Sep, 21:31-21:36
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	27-Sep, 21:40-21:45
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	27-Sep, 21:58
	2-3km	Heard	3	Burst		Small arms	27-Sep, 21:58
	3-4km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 22:15
	3-4km	Heard	13	Burst		HMG	27-Sep, 22:55
	3-4km	Heard	9	Explosion	Undetermined	N/K	27-Sep, 23:05-23:07
	3-4km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:10
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:23
	3-5km	Heard	5	Burst		HMG	27-Sep, 23:31
	2-3km	Heard	2	Burst		Small arms	27-Sep, 23:32
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:35
	2-3km	Heard	17	Burst		Small arms	27-Sep, 23:37-23:40
	3-5km	Heard	2	Explosion	Undetermined	N/K	27-Sep, 23:52
	3-5km	Heard	1	Explosion	Undetermined	N/K	27-Sep, 23:58
	5-6km W	Heard	1	Explosion	Undetermined	N/K	28-Sep, 09:19
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:05
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 11:43
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 12:44
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	28-Sep, 13:09
	2-3km SW	Heard	1	Shot		Small arms	28-Sep, 14:57
	2-3km SW	Heard	1	Shot		Small arms	28-Sep, 15:05
	1-2km SW	Heard	1	Shot		Small arms	28-Sep, 15:10
	1-2km SW	Heard	1	Shot		Small arms	28-Sep, 15:15
Horlivka (non-	5-6km SW	Heard	1	Explosion	Undetermined	N/K	28-Sep, 15:50

government-controlled, 39km NE of Donetsk)	4-5km NW	Heard	2	Explosion	Undetermined	Small arms	28-Sep, 15:55
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km SE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Sep, 03:19
	7-10km ESE	Recorded	1	Explosion	Assessed as outside the disengagement	N/K	28-Sep, 17:11
	2-4km SE	Recorded	3	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Sep, 04:50
	2-4km SE	Recorded	1	Projectile	NNE to SSW (assessed as inside the disengagement area)	N/K	28-Sep, 04:50
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	8-11km NNW	Heard	22	Explosion	Undetermined	N/K	27-Sep, 20:40-21:05
	3-5km NNW	Heard	60	Burst		N/K	27-Sep, 20:40-21:05
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-5km SE	Heard	22	Shot		Small arms	28-Sep, 02:11-02:46
	4-5km SE	Heard	17	Burst		HMG	28-Sep, 02:11-02:46
	4-5km SE	Heard	7	Explosion	Undetermined	N/K	28-Sep, 02:11-02:46
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-4km SE	Recorded	2	Explosion	Undetermined	N/K	28-Sep, 19:17
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	1-3km SSE	Recorded	8	Projectile	WSW to ENE	N/K	28-Sep, 19:21
	1-3km SSE	Recorded	5	Projectile	WSW to ENE	N/K	28-Sep, 19:42
	2-3km SSE	Recorded	19	Projectile	W to E	N/K	28-Sep, 20:37
	2-3km SSE	Recorded	9	Projectile	W to E	N/K	28-Sep, 21:22
	2-3km SSE	Recorded	7	Projectile	W to E	N/K	28-Sep, 21:45
	2-3km SSE	Recorded	3	Projectile	W to E	N/K	28-Sep, 23:04
	2-3km SSE	Recorded	34	Projectile	W to E	N/K	28-Sep, 23:30
	2-3km SSE	Recorded	7	Projectile	W to E	N/K	28-Sep, 23:32
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 23:33
	2-3km SSE	Recorded	13	Projectile	W to E	N/K	28-Sep, 23:34
	2-3km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 23:35
	2-3km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 23:39
	2-3km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 23:41
	2-3km SSE	Recorded	3	Projectile	W to E	N/K	28-Sep, 23:48
	2-3km S	Recorded	3	Projectile	W to E	N/K	29-Sep, 00:04
	2-3km SE	Recorded	1	Projectile	W to E	N/K	29-Sep, 01:33
2-3km SE	Recorded	1	Projectile	E to W	N/K	29-Sep, 01:33	
2-3km SSE	Recorded	1	Projectile	E to W	N/K	29-Sep, 01:55	
	2-3km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	29-Sep, 03:09
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 21:29
	3-4km SSE	Recorded	1	Projectile	In vertical flight	N/K	28-Sep, 23:20
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 21:30
	2-4km E	Recorded	1	Muzzle flash		N/K	28-Sep, 22:45
	2-4km E	Recorded	1	Projectile	N to S, subsequent to previous event	N/K	28-Sep, 22:45
	2-4km E	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 22:45

SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-3km ESE	Recorded	1	Projectile	N to S	N/K	28-Sep, 19:30	
	2-4km E	Recorded	2	Projectile	N to S	N/K	28-Sep, 21:13	
	4-6km E	Recorded	1	Illumination flare	In vertical flight	N/K	28-Sep, 21:16	
	1-2km ESE	Recorded	2	Projectile	SSW to NNE	N/K	28-Sep, 21:16	
	1-2km ESE	Recorded	2	Projectile	SSW to NNE	N/K	28-Sep, 21:22	
	2-4km E	Recorded	3	Projectile	N to S	N/K	28-Sep, 21:29	
	2-4km E	Recorded	1	Projectile	In vertical flight	N/K	28-Sep, 21:29	
	2-4km E	Recorded	1	Projectile	N to S	N/K	28-Sep, 21:30	
	1-2km E	Recorded	1	Projectile	In vertical flight	N/K	28-Sep, 21:31	
	1-2km E	Recorded	2	Projectile	S to N	N/K	28-Sep, 21:31	
	1-2km ENE	Recorded	1	Projectile	N to S	N/K	28-Sep, 21:38	
	1-2km ENE	Recorded	6	Projectile	N to S	N/K	28-Sep, 21:39	
	2-4km E	Recorded	1	Muzzle flash		N/K	28-Sep, 21:40	
	2-4km E	Recorded	1	Projectile	N to S, subsequent to previous event	N/K	28-Sep, 21:40	
	2-4km E	Recorded	1	Muzzle flash		N/K	28-Sep, 21:41	
	2-4km E	Recorded	1	Projectile	NE to SW, subsequent to previous event	N/K	28-Sep, 21:41	
	2-4km E	Recorded	1	Projectile	S to N	N/K	28-Sep, 22:09	
	2-4km E	Recorded	2	Muzzle flash		N/K	28-Sep, 22:10	
	2-4km E	Recorded	2	Projectile	NE to SW, subsequent to previous event	N/K	28-Sep, 22:10	
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 22:16	
	1-2km ENE	Recorded	2	Projectile	S to N	N/K	28-Sep, 22:46	
	1-2km ENE	Recorded	8	Projectile	NW to SE	N/K	28-Sep, 22:46	
	1-2km ENE	Recorded	4	Projectile	NW to SE	N/K	28-Sep, 22:47	
	1-2km ENE	Recorded	19	Projectile	NW to SE	N/K	28-Sep, 23:04	
	1-2km ENE	Recorded	7	Projectile	S to N	N/K	28-Sep, 23:04	
	1-2km ENE	Recorded	1	Projectile	N to S	N/K	28-Sep, 23:04	
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	28-Sep, 23:05	
	1-2km ENE	Recorded	2	Projectile	NW to SE	N/K	28-Sep, 23:39	
	4-6km ENE	Recorded	1	Explosion	Airburst	N/K	29-Sep, 00:44	
	SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:04
		4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:09
		2-4km NNE	Recorded	4	Projectile	W to E	N/K	28-Sep, 20:22
2-4km NNE		Recorded	4	Projectile	W to E	N/K	28-Sep, 20:23	
2-4km NNE		Recorded	4	Projectile	W to E	N/K	28-Sep, 20:24	
2-4km NNE		Recorded	4	Projectile	W to E	N/K	28-Sep, 20:25	
2-4km NNE		Recorded	3	Projectile	W to E	N/K	28-Sep, 20:26	
2-4km NNE		Recorded	1	Projectile	SE to NW	N/K	28-Sep, 20:26	
2-4km NNE		Recorded	6	Projectile	W to E	N/K	28-Sep, 20:27	
0.08-0.12km NNE		Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:27	
2-4km NNE		Recorded	8	Projectile	W to E	N/K	28-Sep, 20:28	
2-4km NNE		Recorded	10	Projectile	W to E	N/K	28-Sep, 20:30	
2-4km NNE		Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	28-Sep, 20:30	
2-4km NNE		Recorded	3	Projectile	W to E	N/K	28-Sep, 20:31	
2-4km NNE		Recorded	7	Projectile	W to E	N/K	28-Sep, 20:32	
2-4km NNE		Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	28-Sep, 20:32	
2-4km NNE		Recorded	4	Projectile	W to E	N/K	28-Sep, 20:33	
2-4km NNE		Recorded	4	Projectile	W to E	N/K	28-Sep, 20:34	
3-4km NNE		Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:36	
SMM camera at entry-exit checkpoint in Pyshevyk (government-		5-7km S	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 19:15
	5-7km S	Recorded	1	Projectile	NE to SW	N/K	28-Sep, 19:16	
	5-7km S	Recorded	1	Explosion	Undetermined	N/K	28-Sep, 19:21	
	6-8km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 19:21	

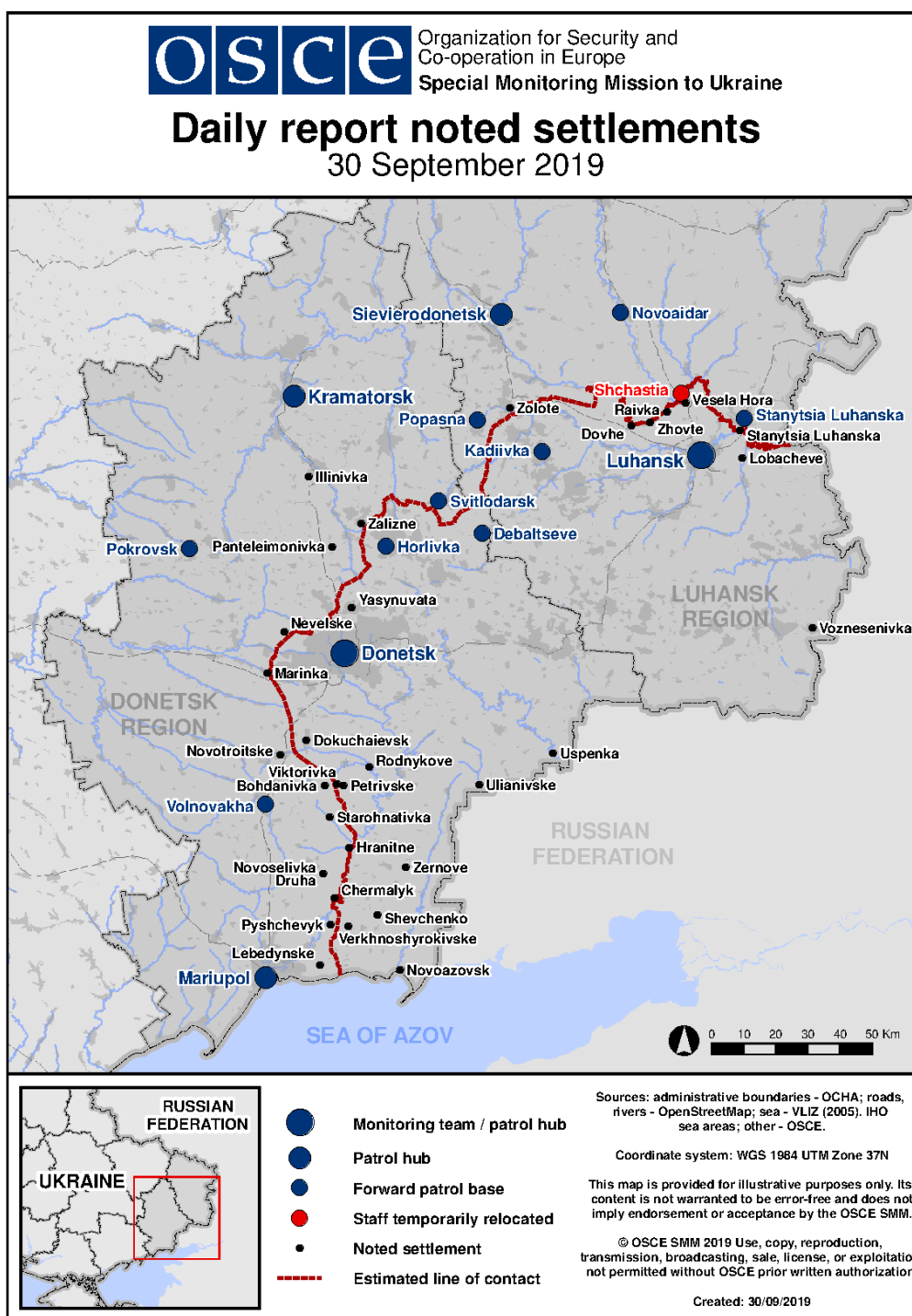
controlled, 84km S of Donetsk)	6-8km S	Recorded	11	Projectile	NW to SE	N/K	28-Sep, 19:22
	6-8km S	Recorded	5	Projectile	W to E	N/K	28-Sep, 19:23
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:43
	6-8km S	Recorded	1	Projectile	NNE to SSW	N/K	28-Sep, 19:43
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:44
	6-8km S	Recorded	1	Projectile	NNE to SSW	N/K	28-Sep, 19:44
	6-8km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:47
	6-8km S	Recorded	1	Explosion	Also recorded by SMM cameras in Lomakyne and Chermalyk	N/K	28-Sep, 19:49
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:54
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 19:56
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 19:58
	2-4km S	Recorded	1	Projectile	E to W	N/K	28-Sep, 20:00
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	28-Sep, 20:05
	2-4km S	Recorded	2	Projectile	W to E	N/K	28-Sep, 20:12
	2-4km S	Recorded	3	Projectile	W to E	N/K	28-Sep, 20:16
	2-4km S	Recorded	11	Projectile	E to W	N/K	28-Sep, 20:16
	2-4km S	Recorded	1	Projectile	E to W	N/K	28-Sep, 20:34
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:35
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:37
	2-4km S	Recorded	10	Projectile	W to E	N/K	28-Sep, 20:40
	2-4km S	Recorded	9	Projectile	W to E	N/K	28-Sep, 20:43
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:44
	2-4km SSE	Recorded	7	Projectile	E to W	N/K	28-Sep, 20:47
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 20:53
	2-4km S	Recorded	5	Projectile	W to E	N/K	28-Sep, 21:01
	2-4km S	Recorded	1	Explosion	Airburst	N/K	28-Sep, 21:01
	2-4km S	Recorded	15	Projectile	W to E	N/K	28-Sep, 21:02
	2-4km S	Recorded	14	Projectile	W to E	N/K	28-Sep, 21:03
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 21:08
	2-4km S	Recorded	1	Projectile	W to E	N/K	28-Sep, 21:11
	2-4km S	Recorded	8	Projectile	W to E	N/K	28-Sep, 23:16
	SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	7-10km E	Recorded	1	Explosion	Undetermined	N/K
6-8km ESE		Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:51
6-8km ESE		Recorded	2	Projectile	NNW to SSE	N/K	28-Sep, 19:52
6-8km ESE		Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:56
6-8km ESE		Recorded	3	Projectile	NNW to SSE	N/K	28-Sep, 19:57
6-8km ESE		Recorded	1	Burst	SSW to NNE (approximately 10 rounds)	N/K	28-Sep, 19:58
6-8km ESE		Recorded	1	Projectile	NNW to SSE	N/K	28-Sep, 19:58
6-8km ESE		Recorded	1	Projectile	SSW to NNE	N/K	28-Sep, 20:01
6-8km ESE		Recorded	2	Projectile	SW to NE	N/K	28-Sep, 20:02
6-8km ESE		Recorded	2	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:02
6-8km ESE		Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:03
6-8km ESE		Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:03
6-8km ESE		Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:04
6-8km ESE		Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:04
6-8km ESE		Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:05
6-8km ESE		Recorded	1	Explosion	Undetermined	N/K	28-Sep, 20:05
4-6km ESE		Recorded	1	Projectile	NW to SE	N/K	28-Sep, 20:05
4-6km ESE		Recorded	1	Explosion	Outgoing	N/K	28-Sep, 20:05
4-6km E		Recorded	1	Explosion	Outgoing	N/K	28-Sep, 20:15
4-6km ESE		Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:15

	4-6km ESE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:18
	4-6km ESE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	28-Sep, 20:18
	4-6km ESE	Recorded	1	Explosion	Impact	N/K	28-Sep, 20:19
	4-6km ESE	Recorded	1	Projectile	SW to NE	N/K	28-Sep, 20:20
	6-8km ESE	Recorded	1	Explosion	Outgoing	N/K	28-Sep, 20:58
	6-8km ESE	Recorded	1	Projectile	NW to SE, subsequent to previous event	N/K	28-Sep, 20:58
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:29
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:33
	6-8km ESE	Recorded	1	Explosion	Undetermined	N/K	29-Sep, 15:35
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2km NW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 10:28
About 1km WSW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	3	Explosion	Undetermined	N/K	29-Sep, 12:06
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 13:42
Trudivski area of Donetsk's Petrovskiy district (non-government-controlled, 15km SW of Donetsk city centre)	1-2km S	Heard	7	Shot		Small arms	29-Sep, 11:15
	1-2km SW	Heard	78	Shot		Small arms	29-Sep, 13:10-13:35
	1-2km SW	Heard	5	Shot		HMG	29-Sep, 13:10-13:35
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:27
About 1km S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	2-5km WSW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 15:35
Bohdanivka (government-controlled, 41km SW of Donetsk)	0.5-1km NNE	Heard	1	Shot		Small arms	29-Sep, 12:00
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km NW	Heard	4	Burst		HMG	28-Sep, 18:54-18:55
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 20:59
	4-6km SE	Heard	4	Explosion	Undetermined	N/K	28-Sep, 21:04
	4-6km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:22
	4-5km SSE	Heard	6	Shot		Small arms	28-Sep, 22:27
	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:00
	2-3km SSE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:10
	4-6km SSW	Heard	4	Burst		HMG	28-Sep, 23:13
	4-6km S	Heard	1	Explosion	Undetermined	N/K	28-Sep, 23:18
	4-6km SE	Heard	6	Burst		HMG	28-Sep, 23:20
	2-3km SSE	Heard	10	Shot		Small arms	28-Sep, 23:25
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	28-Sep, 23:32-23:34
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:37

	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:39
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	28-Sep, 23:46
	2-3km SE	Heard	5	Shot		Small arms	28-Sep, 23:50
	3-4km S	Heard	22	Explosion	Undetermined	N/K	29-Sep, 06:40
	3-4km SW	Heard	24	Burst		HMG	29-Sep, 07:25
	3-4km SW	Heard	9	Shot		Small arms	29-Sep, 07:30
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km NE	Heard	1	Explosion	Undetermined	N/K	29-Sep, 09:28
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km NW	Heard	5	Explosion	Undetermined	N/K	29-Sep, 17:30-17:37
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 17:43
	5-6km NW	Heard	6	Explosion	Undetermined	N/K	29-Sep, 17:46-17:48
	5-6km NW	Heard	10	Explosion	Undetermined	N/K	29-Sep, 17:49-17:52
	4-5km NW	Heard	15	Burst		HMG	29-Sep, 17:49-17:52
	5-6km NW	Heard	6	Explosion	Undetermined	N/K	29-Sep, 17:57-18:05
	5-6km NW	Heard	4	Explosion	Undetermined	N/K	29-Sep, 18:06-18:08
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	29-Sep, 18:17-18:19
	5-6km NW	Heard	5	Explosion	Undetermined	N/K	29-Sep, 18:23-18:26
	5-6km NW	Heard	5	Burst		HMG	29-Sep, 18:23-18:26
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Burst	NNW to SSE (approximately 15 rounds)	N/K	28-Sep, 22:25
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-3.5km S	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	28-Sep, 22:49
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	8-10km NNW	Heard	2	Explosion	Undetermined	N/K	28-Sep, 22:10
	6-7km W	Heard	6	Explosion	Undetermined	N/K	28-Sep, 22:32-22:36
NE edge of Stanytsia Luhanska (government-controlled, 16km N of Luhansk)	2-4km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	29-Sep, 00:36
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-5km SE	Heard	39	Burst		HMG	29-Sep, 02:00-02:45
1.5km NNE of Lobacheve (non-government-controlled, 13km E of Luhansk)	3-3.2km SE	Heard	7	Shot		Assessed as directed at SMM mini-UAV Small arms	29-Sep, 11:49
Smile (non-government-controlled, 31km NW of Luhansk)	1-2km NW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:35
E edge of Popasna (government-	2-4km SSW	Heard	1	Explosion	Undetermined	N/K	29-Sep, 12:51

controlled, 69km W of Luhansk)							
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Map of Donetsk and Luhansk regions⁹



⁹ 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).