

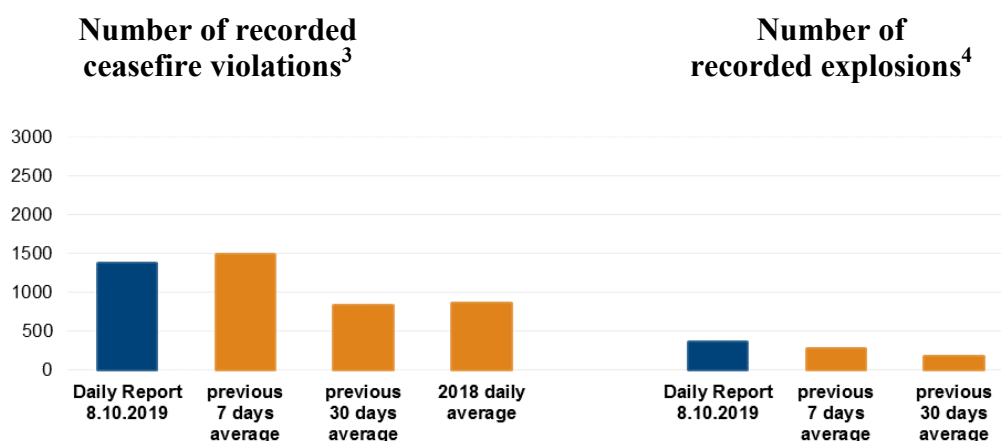
Daily Report 238/2019

8 October 2019¹

Summary

- Compared with the previous 24 hours, the SMM recorded fewer ceasefire violations in both Donetsk and Luhansk regions.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle (UAV) south-east of Hnutove and east of Pyshechyk.
- The Mission followed up on reports of a man injured in Yakovlivka and saw fresh damage to two apartments in Dokuchaievsk.
- Inside the Stanytsia Luhanska disengagement area, the SMM saw ongoing dismantling works at the broken section of the bridge.
- The Mission recorded ceasefire violations inside the Zolote disengagement area.
- The Mission saw 16 weapons in violation of withdrawal lines on both sides of the contact line.
- The SMM monitored adherence to the ceasefire to facilitate repairs and the operation of critical civilian infrastructure, including repairs to water pipelines between Zolote-3/Stakhanovets and Popasna, maintenance works on the Phenol Sludge Reservoir near Zalizne as well as the drilling of wells near Raivka.
- In Dnipro, Ivano-Frankivsk and Odessa, the SMM monitored peaceful gatherings related to recent political developments.
- Restrictions of the Mission's freedom of movement continued, including at non-government-controlled checkpoints near Petrivske, Zaichenko and Mykolaivka.*

Ceasefire violations²



¹ Based on information from the Monitoring Teams as of 19:30, 7 October 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.

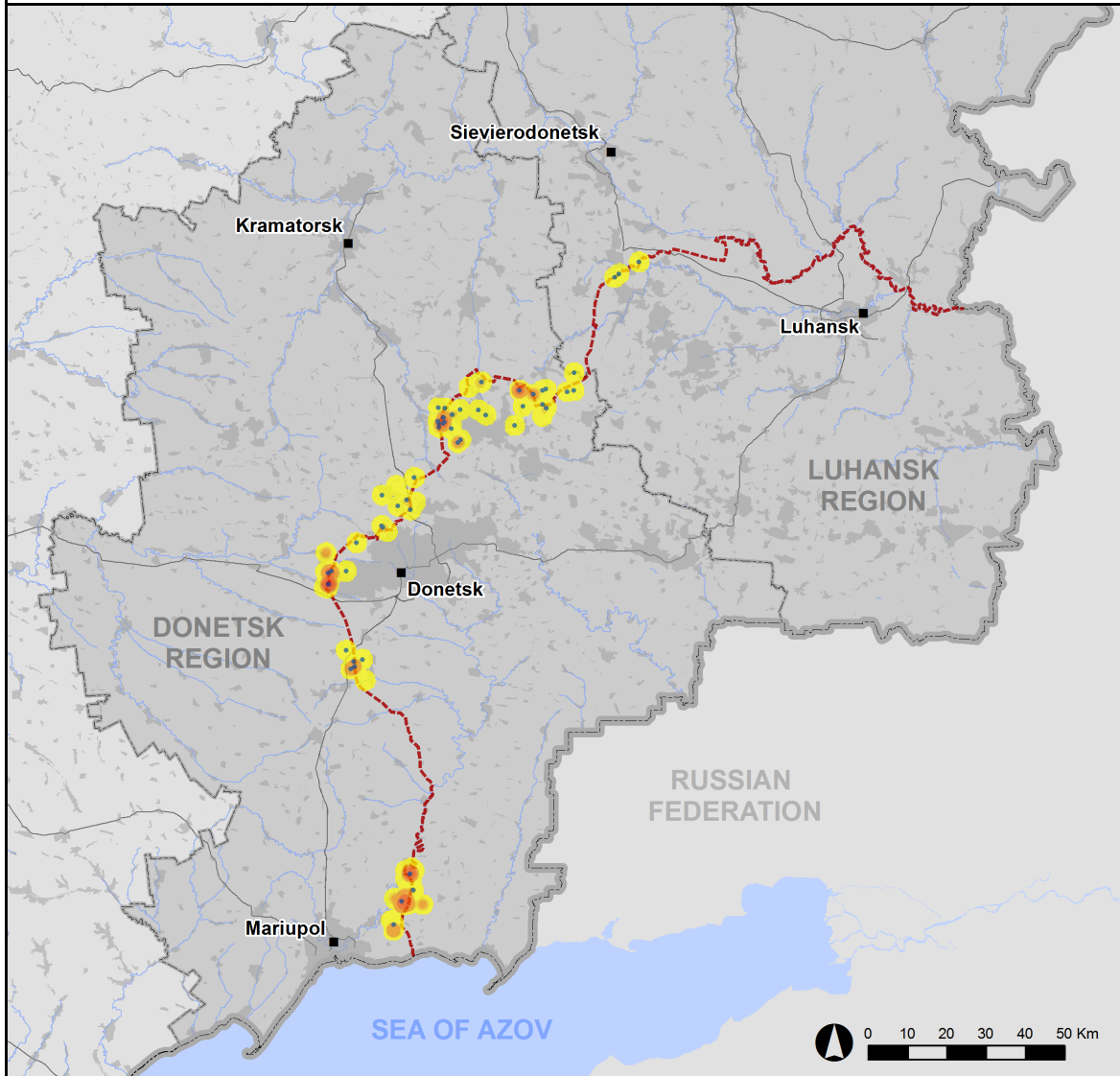
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

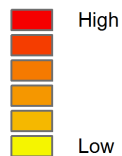


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 7 October 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: 08/10/2019

In Donetsk region, the SMM recorded fewer ceasefire violations, however, more explosions (about 340), compared with [the previous 24 hours](#) (about 220 explosions). The majority of ceasefire violations were recorded in areas north-north-east of Marinka (government-controlled, 23km south-west of Donetsk), south and south-south-east of Pyshevyk (government-controlled, 84km south of Donetsk), south-south-east of Chermalyk (government-controlled, 77km south of Donetsk), and at southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk).

In Luhansk region, the SMM recorded fewer ceasefire violations, almost all of which were explosions (seven), compared with [the previous 24 hours](#) (ten explosions). All ceasefire violations were recorded near to or inside the disengagement area close to Zolote (government-controlled, 60km west of Luhansk).

Small-arms fire assessed as directed at an SMM UAV on two occasions south-east of Hnutove and east of Pyshevyk

Positioned on a road between Hnutove (government-controlled, 90km south of Donetsk) and Pyshevyk (government-controlled, 84km south of Donetsk), while conducting a mini-UAV flight east of Hnutove, the SMM heard 25 bursts of small-arms fire about 3.5km south-east of its position, assessed as directed at the UAV, which at the time was flying 3.5km south-east of the SMM. On a subsequent flight south-east of Pyshevyk, the Mission heard an uncountable number of bursts and shots of small-arms fire about 3.5km east-north-east of its position, assessed as directed at the UAV, which at the time was flying 3.6km east of the SMM. On both occasions the SMM safely landed the UAV.*

Man injured in Yakovlivka

On 5 October, the SMM followed up on reports of a man injured due to shelling in Yakovlivka (non-government-controlled, 10km north of Donetsk). The SMM saw a man who said that he was standing on the road in front of his house at 147 Yasynuvatska Street on the afternoon of 12 September when he heard three explosions and took cover in nearby bushes. He said that members of the armed formations provided first aid and that he went to the hospital a few days later. A member of the armed formations told the SMM that on the afternoon of 12 September a medic had provided first aid to the man who had a superficial wound (burned skin) near his left armpit. The mother (in her 60s) of the casualty told the SMM that a mortar round had landed between her son's yard and his neighbour's houses. According to her, five windows of the house had shattered, the roof, the outside wall, the fence in the yard and a wall of a neighbour's house were slightly damaged by shrapnel. A neighbour (woman in her forties) confirmed that the man had been injured on 12 September as a result of an impact. The SMM was unable to reach the area due to security concerns.

Damage to civilian property in Dokuchaievsk

The SMM followed up on reports of damage to residential buildings on 6 October in Dokuchaievsk (non-government-controlled, 30km south-west of Donetsk). At 9 Vatutina Street, in an apartment located on the fourth floor of a five-storey residential building, the SMM saw a broken south-south-west-facing window with its frame damaged in one room. In another room it saw a broken south-south-west-facing external window of a balcony and three holes (0.5-4cm in diameter) in the window dividing the balcony from the room. The SMM also saw glass debris and pieces of plastic near the balcony windows. The SMM assessed the damage as fresh but could not determine the type of weapon used and the direction of fire. A resident of the apartment (woman in her seventies) told the SMM that she

had seen the damage on 6 October and that nobody had been present in the apartment at the time of the incident.

At 15 Vatutina Street, the SMM saw a hole in the upper-right corner of a south-south-west-facing window on the first floor of a five-storey building. The Mission assessed the damage as fresh but could not determine the type of weapon used and the direction of fire. Two female residents of the building told the Mission that there had been shelling in the area on the evening of 6 October.

On 4 October, the SMM observed damage to two other civilian properties in this area, all four properties are within 300m of each other (see [SMM Daily Report 7 October 2019](#)).

A crater near Novoluhanske

On 5 October, the SMM saw a fresh crater in a road running along the eastern edge of the Bakhmut Agrarian Union's pig farm near Novoluhanske (government-controlled, 53km north-east of Donetsk). The Mission could not determine the type of weapon used and the direction of fire.

Stanytsia Luhanska disengagement area

On 7 October, about 320m north of the broken section of the Stantysia Luhanska bridge (15km north-east of Luhansk), the Mission saw a dump truck and a crane parked on the main road as well as five members of the State Emergency Service (SES) of Ukraine removing wood 10-15m east of the road and a truck, a bulldozer, and workers from government-controlled areas about 200m north of the broken section of the bridge clearing vegetation 20-25m east and west of the main road. The Mission saw four workers from government-controlled areas constructing a bus stop on the road about 660m north of the broken section of the bridge. The Mission saw ten workers from government-controlled areas with equipment and machinery continuing to dismantle the remains of the broken section of the bridge by demolishing concrete slabs and dismantling metal sections of the broken section of the bridge.

Other disengagement areas⁵

On 6 October, inside the disengagement area near Zolote, an SMM mini-UAV spotted two people, assessed as Ukrainian Armed Forces personnel, on road T-1316 about 130m south the railway bridge, near a position of the Ukrainian Armed Forces, as well as five people in military-style attire, a combat reconnaissance vehicle (BRM-1K) and two military trucks on the south-eastern edge of Katerynivka (government-controlled, 64km west of Luhansk).

On the same day, outside the disengagement area, the same UAV spotted an ongoing demining activity in a minefield located about 450m east-south-east of the checkpoint of the Ukrainian Armed Forces 300m north of the disengagement area, with stacks of about 280 anti-tank mines with fuses being removed and at least 15 anti-tank mines still laid in three rows in a field on the northern edge of the minefield (for previous observations, see [SMM Daily Report 27 March 2019](#)). The same UAV also spotted at least three people with metal detectors conducting demining activities about 250m south-west of the above-mentioned checkpoint, an armoured combat vehicle (ACV) (type undetermined) on the checkpoint's

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

eastern side, as well as a mine-resistant ambush protected vehicle (MRAP) about 150m north of the disengagement area's northern edge.

On the evening of the same day, the SMM camera in Zolote recorded an undetermined explosion and an airburst at an assessed range of 2-4km south (unable to assess whether inside or outside the disengagement area). During the day on 7 October, while positioned near the checkpoint of the Ukrainian Armed Forces 300m north of the Zolote disengagement area, the SMM heard two undetermined explosions about 1km south, assessed as inside the disengagement area. Positioned near a checkpoint of the armed formations on the area's southern edge, it heard four undetermined explosions at an assessed range of 5-7km north-east, assessed as outside the disengagement area but within its 5km periphery.

On 7 October, inside the Zolote disengagement area, the SMM saw four Ukrainian Armed Forces personnel carrying demining equipment and working around 750m south of the northern edge of the disengagement area, in a field about 450m east-north-east of the railway bridge inside the disengagement area. The SMM saw at least five excavators and engineering vehicles, including one combat engineering vehicle (BAT-2), digging at a location about 100m north-north-east and at a second location about 150m west of the Ukrainian Armed Forces checkpoint on the northern edge of the disengagement area, outside the disengagement area.

On 6 October, inside the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), an SMM long-range UAV spotted a probable ACV and six people in trenches, assessed as Ukrainian Armed Forces personnel, near a previously [observed position](#) of the Ukrainian Armed Forces about 1km south of the disengagement area's northern edge and about 2km east of its western edge. About 600m west, inside the disengagement area, the same UAV spotted a probable armoured personnel carrier (BTR variant). All equipment was assessed as belonging to the Ukrainian Armed Forces.

On 7 October, positioned about 2km north of 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 13 weapons in violation of withdrawal lines in Bakhmut (formerly Artemivsk, government-controlled, 67km north of Donetsk), two near Luhansk city (non-government-controlled) and one near Sarabash (formerly Komunarivka, non-government-controlled, 26km south of Donetsk) (for more details, see the tables below).

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

The SMM observed military and military-type presence in the security zone in government- and non-government-controlled areas, including infantry fighting vehicles, armoured combat vehicles, a new bunker and ongoing refurbishment of existing trenches (for more details, see the table below).

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

Anti-tank mines near Vodiane

On 5 October, an SMM mini-UAV spotted [again](#) at least 22 anti-tank mines (TM-62) laid in two rows on the south-eastern edge of Vodiane (government-controlled, 94km south of Donetsk).

SMM facilitation of operation of and repair works to civilian infrastructure

The SMM monitored adherence to the ceasefire to facilitate the drilling of wells near Raivka (non-government-controlled, 16km north-west of Luhansk); to enable repair works on a water pipeline between Zolote-3/Stakhanovets (government-controlled, 61km north-west of Luhansk) and Popasna (government-controlled, 69km west of Luhansk); and to enable maintenance of the Phenol Sludge Reservoir near Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk).

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

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

Peaceful gatherings in Dnipro, Ivano-Frankivsk and Odessa

On 6 October, the Mission monitored three peaceful public gatherings: one at 1 Oleksandra Polia Avenue in Dnipro, one in front of the Regional State Administration (RSA) building in Ivano-Frankivsk and one at the Duke Monument at 7 Primorskyi Boulevard in Odessa.

In Dnipro, the SMM saw about 1,000 people (mixed gender and ages) standing in a circular formation and about nine law enforcement officers. In Ivano-Frankivsk, the SMM saw about 100 people (mostly men of mixed ages), some wearing clothing with insignia of the National Corps as well as about 15 law enforcement officers. In Odessa, the SMM saw about 500 people (men and women of mixed ages) and four law enforcement officers. At the three gatherings, the SMM saw some participants holding Ukrainian flags and flags of Right Sector and Euro Maidan and heard them express messages critical of recent political developments concerning certain areas of Donetsk and Luhansk regions.

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

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the 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 5 October 2019](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denials of access:

- At a checkpoint north of Petrivske (non-government-controlled, 41km south of Donetsk), a member of the armed formations [again](#) denied the SMM passage citing “the SMM’s safety”, thereby restricting the SMM’s access to its camera in Petrivske.
- At a checkpoint 800m north of Zaichenko (non-government-controlled, 93km south of Donetsk), two members of the armed formations [again](#) prevented the SMM from proceeding towards Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk) and Sakhanka (non-government-controlled, 97km south of Donetsk) citing “demining activities” in the area.
- At a checkpoint east of Mykolaivka (non-government-controlled, 70km south of Donetsk), two members of the armed formation prevented the SMM from entering Mykolaivka citing “kinetic activity 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 two occasions, while conducting a mini-UAV flight on a road between Hnutove (government-controlled, 90km south of Donetsk) and Pyshevych (government-controlled, 84km south of Donetsk), as the UAV was 3.5km south-east, the SMM heard 25 shots of small-arms fire 3.5km south-east and then, as the UAV was 3.6km east, the SMM heard an uncountable amount of shots and bursts of small-arms fire about 3.5km east-north-east, assessed in both instances as aimed at the UAV. The patrol safely retrieved the UAVs and left the area (see above).
- On the night of 6 and 7 October, an SMM-long range UAV experienced GPS signal interference, assessed as probable jamming while flying over Petrivske (non-government-controlled, 41km south of Donetsk), Pervomaiske (government-controlled, 17km north-west of Donetsk) and Novhorodske (government-controlled, 35km north of Donetsk). The same UAV experienced GPS signal interference, assessed as jamming while flying over Marinka (government-controlled, 23km south-west of Donetsk).⁷
- On 7 October, an SMM mini-UAV lost its GPS signal due to signal interference assessed as caused by probable jamming while flying near Pervomaiske (government-controlled, 17km north-west of Donetsk).

⁷ The interference could have originated from anywhere within the radius of kilometres from the UAVs’ positions.

Table of weapons

Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
07/10/2019	7	Towed howitzer (D-20, 152mm)	Bakhmut (formerly Artemivsk, 67km north of Donetsk)	Patrol
07/10/2019	6	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)		
Non-government-controlled areas				
05/10/2019	2	Towed howitzer (D-30A <i>Lyagushka</i> , 122mm)	Near Luhansk city	Mini-UAV
06/10/2019	1	Probable surface-to-air missile system (9K35 <i>Strela-10</i>)	Near Sarabash (formerly Komunarivka, 26km south of Donetsk)	Long-range UAV

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
07/10/2019	1	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	Pokrovsk (formerly Krasnoarmiisk, 55km north-west of Donetsk)	Patrol

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
05/10/2019	6	Infantry fighting vehicle (BMP-1)	Near Novoselivka (31km north of Donetsk)	Mini-UAV
	-	A new bunker and ongoing refurbishment of existing trenches (the bunker was not seen in imagery from 9 August 2019)	About 3.5km east-north-east of Pavlopil (84km south of Donetsk)	Mini-UAV
06/10/2019	1	Infantry fighting vehicle (BMP-2)	Near Zolote-4/Rodina (59km west of Luhansk)	Mini-UAV
	2	Armoured combat vehicle	Near Berezove (31km south-west of Donetsk)	Long-range UAV
	4	Armoured combat vehicle	Near Taramchuk (29km south-west of Donetsk)	
	1	Armoured combat vehicle	Near Marinka (23km south-west of Donetsk) (27km west of Donetsk)	
06/10/2019	1	Armoured combat vehicle (ACV) (type undetermined) and a	Near Zolote (60km west of Luhansk)	Mini-UAV
	1	Mine-resistant ambush protected vehicle (MRAP)		
07/10/2019	1	Combat engineering vehicle (BAT-2)	Near the checkpoint of the Ukrainian Armed Forces north of the northern edge of the disengagement area near Zolote (60km west of Luhansk)	Patrol

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

Non-government-controlled areas				
06/10/2019	1	Probable armoured personnel carrier (BTR-60)	Luhansk city	Mini-UAV
	1	Probable armoured reconnaissance vehicle (BRDM-2)		
	3	Infantry fighting vehicle (a BMP-1 and two BMP-2)		

Table of ceasefire violations as of 7 October 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	1-3km ESE	Recorded	1	Projectile	SSW to NNE	N/K	6-Oct, 19:16
	1-3km ESE	Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	6-Oct, 19:16
	2-4km SE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:09
	2-4km SE	Recorded	12	Explosion	Airburst	N/K	6-Oct, 20:10
	2-4km SE	Recorded	1	Burst	NE to SW (approximately 40 rounds)	N/K	6-Oct, 20:22
	2-4km SSE	Recorded	7	Explosion	Undetermined	N/K	6-Oct, 20:22
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	6-Oct, 20:22
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:25
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:26
	2-4km SE	Recorded	3	Explosion	Undetermined	N/K	6-Oct, 20:33
	2-4km SE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:33
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:34
	2-4km SE	Recorded	1	Burst	NE to SW (approximately 20 rounds)	N/K	6-Oct, 20:34
	2-4km SSE	Recorded	7	Explosion	Undetermined	N/K	6-Oct, 20:34
	2-4km SE	Recorded	4	Projectile	NE to SW	N/K	6-Oct, 20:34
	2-4km SE	Recorded	10	Projectile	NE to SW	N/K	6-Oct, 20:35
	2-4km SE	Recorded	3	Projectile	SW to NE	N/K	6-Oct, 20:35
	2-4km SSE	Recorded	13	Muzzle flash		N/K	6-Oct, 20:35
	2-4km ESE	Recorded	1	Projectile	N to S	N/K	6-Oct, 21:56
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 21:56
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	1-3km S	Recorded	4	Projectile	WNW to ESE	N/K	6-Oct, 19:21
	1-3km SE	Recorded	1	Projectile	NE to SW	N/K	6-Oct, 19:21
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	6-Oct, 19:47
	2-4km SSE	Recorded	6	Projectile	NNE to SSW	N/K	6-Oct, 20:19
	2-4km SSE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:19
	2-4km SSE	Recorded	8	Projectile	NNE to SSW	N/K	6-Oct, 20:21
	2-4km SSE	Recorded	36	Projectile	NNE to SSW	N/K	6-Oct, 20:23
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:23
	2-4km SSE	Recorded	2	Projectile	NNE to SSW	N/K	6-Oct, 20:29
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	6-Oct, 20:29
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 20:30
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:48
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:49
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:49
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 20:50
	3-5km SSE	Recorded	4	Projectile	W to E	N/K	6-Oct, 20:53
	2-4km SSE	Recorded	24	Projectile	W to E	N/K	6-Oct, 21:12
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 21:20
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	6-Oct, 21:23
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	6-Oct, 21:29
	2-4km SSE	Recorded	8	Projectile	W to E	N/K	6-Oct, 21:37
	2-4km SSE	Recorded	1	Illumination flare	W to E	N/K	6-Oct, 21:44
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	6-Oct, 21:54

⁹ 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.

	2-4km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 21:55
	2-4km SSE	Recorded	4	Projectile	W to E	N/K	6-Oct, 21:56
	2-4km SSE	Recorded	22	Projectile	W to E	N/K	6-Oct, 21:57
	2-4km SSE	Recorded	12	Projectile	W to E	N/K	6-Oct, 22:09
	2-4km SSE	Recorded	17	Projectile	W to E	N/K	6-Oct, 22:10
	2-4km SSE	Recorded	3	Projectile	E to W	N/K	6-Oct, 23:07
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	7-Oct, 00:55
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	1-3km SSE	Recorded	4	Explosion	Undetermined	N/K	6-Oct, 20:36
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 20:36
	1-3km SE	Recorded	29	Explosion	Airburst	N/K	6-Oct, 20:36
	1-3km SSE	Recorded	6	Explosion	Undetermined	N/K	6-Oct, 20:37
	1-3km SSE	Recorded	6	Muzzle flash		N/K	6-Oct, 20:37
	1-3km SSE	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 20:37
	1-3km SSE	Recorded	5	Explosion	Undetermined	N/K	6-Oct, 20:38
	1-3km SSE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:38
	1-3km SSE	Recorded	3	Explosion	Undetermined	N/K	6-Oct, 20:39
	1-3km SSE	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 20:39
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	6-Oct, 20:39
	1-3km SSE	Recorded	3	Projectile	NNE to SSW	N/K	6-Oct, 20:40
	1-3km SSE	Recorded	2	Explosion	Undetermined	N/K	6-Oct, 20:40
	1-3km SSE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:40
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 20:41
	1-3km SSE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:43
	1-2km S	Recorded	4	Projectile	WNW to ESE	N/K	6-Oct, 20:44
	2-4km SE	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 20:44
	2-4km SE	Recorded	12	Projectile	ENE to WSW	N/K	6-Oct, 20:45
	1-3km SE	Recorded	6	Projectile	NE to SW	N/K	6-Oct, 20:46
	1-3km SSE	Recorded	6	Projectile	NW to SE	N/K	6-Oct, 20:46
	1-3km SSE	Recorded	6	Projectile	NE to SW	N/K	6-Oct, 20:48
	1-3km SSE	Recorded	6	Projectile	In vertical flight	N/K	6-Oct, 20:51
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 20:56
	1-3km SSE	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 21:01
	2-4km SSE	Recorded	4	Projectile	NW to SE	N/K	7-Oct, 01:33
SMM camera E of Lomakyne (government-controlled, 93km S of Donetsk)	2-4km NE	Recorded	1	Projectile	W to E	N/K	6-Oct, 21:27
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km ENE	Recorded	1	Muzzle flash		N/K	6-Oct, 18:43
	1-3km ENE	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	6-Oct, 18:43
	1-3km ENE	Recorded	1	Projectile	N to S	N/K	6-Oct, 18:43
	4-7km ENE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 22:05
	3-7km ENE	Recorded	8	Projectile	NNW to SSE	N/K	6-Oct, 22:08
	4-7km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	6-Oct, 22:52
4-7km ENE	Recorded	3	Projectile	N to S	N/K	7-Oct, 01:41	
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km N	Recorded	3	Projectile	SE to NW	N/K	6-Oct, 19:49
	1-3km NNE	Recorded	3	Projectile	W to E	N/K	6-Oct, 19:52
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:36
	2-4km NNE	Recorded	40	Projectile	W to E	N/K	6-Oct, 20:36
	2-4km NNE	Recorded	2	Muzzle flash		N/K	6-Oct, 20:36
	2-4km NNE	Recorded	1	Projectile	SSW to NNE	N/K	6-Oct, 20:36
	2-4km NNE	Recorded	9	Explosion	Undetermined	N/K	6-Oct, 20:37
	2-4km NNE	Recorded	30	Projectile	W to E	N/K	6-Oct, 20:37
	2-4km NNE	Recorded	3	Muzzle flash		N/K	6-Oct, 20:37
	2-4km NNE	Recorded	7	Projectile	W to E	N/K	6-Oct, 20:38
	2-4km NNE	Recorded	5	Explosion	Undetermined	N/K	6-Oct, 20:38
	2-4km NNE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:38

	2-4km NNE	Recorded	1	Explosion	Impact	N/K	6-Oct, 20:38
	2-4km NNE	Recorded	1	Muzzle flash		N/K	6-Oct, 20:38
	2-4km NNE	Recorded	1	Muzzle flash		N/K	6-Oct, 20:39
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:39
	2-4km NNE	Recorded	24	Projectile	W to E	N/K	6-Oct, 20:39
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	6-Oct, 20:40
	2-4km NNE	Recorded	1	Explosion	Airburst	N/K	6-Oct, 20:40
	2-4km NNE	Recorded	6	Projectile	W to E	N/K	6-Oct, 20:40
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:41
	2-4km NNE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	6-Oct, 20:41
	2-4km NNE	Recorded	2	Muzzle flash		N/K	6-Oct, 20:42
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:42
	2-4km NNE	Recorded	2	Projectile	E to W	N/K	6-Oct, 20:42
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	6-Oct, 20:42
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:43
	2-4km NNE	Recorded	1	Projectile	E to W	N/K	6-Oct, 20:43
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	6-Oct, 20:43
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	6-Oct, 20:43
	2-4km NNE	Recorded	5	Projectile	E to W	N/K	6-Oct, 20:44
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	6-Oct, 20:44
	2-4km NNE	Recorded	9	Projectile	E to W	N/K	6-Oct, 20:45
	2-4km NNE	Recorded	10	Projectile	W to E	N/K	6-Oct, 20:45
	2-4km NNE	Recorded	1	Muzzle flash		N/K	6-Oct, 20:46
	2-4km NNE	Recorded	16	Projectile	W to E	N/K	6-Oct, 20:46
	2-4km NNE	Recorded	6	Projectile	W to E	N/K	6-Oct, 20:48
	2-4km NNE	Recorded	3	Projectile	E to W	N/K	6-Oct, 20:49
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	6-Oct, 20:49
	2-4km NNE	Recorded	6	Projectile	In vertical flight	N/K	6-Oct, 20:51
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	6-Oct, 20:55
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 20:56
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	6-Oct, 20:56
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	6-Oct, 21:01
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	6-Oct, 21:03
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	7-Oct, 01:34
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	3-5km S	Recorded	2	Projectile	E to W	N/K	6-Oct, 20:41
	3-5km S	Recorded	1	Projectile	WSW to ENE	N/K	6-Oct, 20:44
	3-5km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 20:44
	3-5km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 20:59
	3-5km S	Recorded	3	Projectile	E to W	N/K	6-Oct, 20:59
	3-5km SSE	Recorded	5	Projectile	E to W	N/K	6-Oct, 21:00
	3-5km SSE	Recorded	7	Projectile	W to E	N/K	6-Oct, 21:05
	3-5km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 21:06
	3-5km S	Recorded	1	Projectile	In vertical flight	N/K	6-Oct, 21:09
	3-5km S	Recorded	1	Projectile	ENE to WSW	N/K	6-Oct, 21:09
	3-5km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 21:22
	3-5km SSE	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 21:22
	3-5km S	Recorded	2	Projectile	ENE to WSW	N/K	6-Oct, 21:26
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 21:27
	3-5km S	Recorded	2	Projectile	WNW to ESE	N/K	6-Oct, 21:29
	3-5km S	Recorded	3	Projectile	W to E	N/K	6-Oct, 21:31
	3-5km S	Recorded	5	Projectile	W to E	N/K	6-Oct, 21:32
	3-5km S	Recorded	1	Projectile	NE to SW	N/K	6-Oct, 21:32
	3-5km S	Recorded	5	Projectile	E to W	N/K	6-Oct, 21:33
	3-5km S	Recorded	1	Projectile	NE to SW	N/K	6-Oct, 21:33
	3-5km S	Recorded	1	Projectile	W to E	N/K	6-Oct, 21:34
	3-5km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 21:35

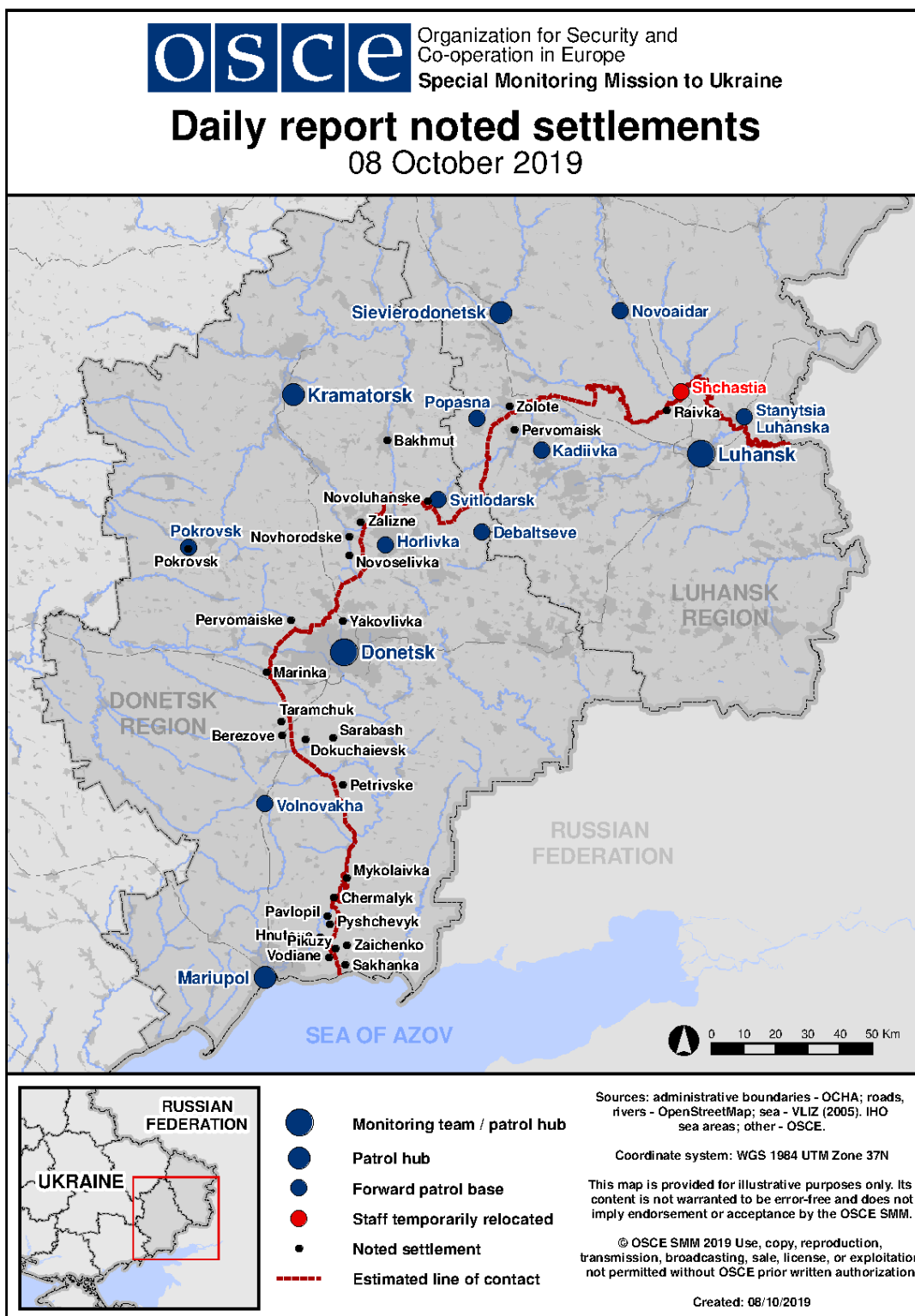
	3-5km SSE	Recorded	8	Projectile	W to E	N/K	6-Oct, 21:39
	3-5km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 21:40
	3-5km S	Recorded	5	Projectile	E to W	N/K	6-Oct, 21:54
	3-5km S	Recorded	5	Projectile	E to W	N/K	6-Oct, 21:56
	3-5km SSE	Recorded	11	Projectile	W to E	N/K	6-Oct, 22:00
	3-5km S	Recorded	3	Projectile	E to W	N/K	6-Oct, 22:00
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 22:08
	2-4km SSE	Recorded	1	Projectile	W to E	N/K	6-Oct, 22:12
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 22:20
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	6-Oct, 22:24
	2-4km SSE	Recorded	7	Projectile	W to E	N/K	6-Oct, 22:26
	2-4km S	Recorded	2	Projectile	W to E	N/K	6-Oct, 22:39
	2-4km S	Recorded	2	Projectile	W to E	N/K	6-Oct, 22:40
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Oct, 22:41
	2-4km SSE	Recorded	5	Projectile	W to E	N/K	6-Oct, 23:05
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 23:06
	2-4km S	Recorded	4	Projectile	W to E	N/K	6-Oct, 23:06
	2-4km SSE	Recorded	6	Projectile	W to E	N/K	6-Oct, 23:12
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 23:13
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	6-Oct, 23:17
	2-4km S	Recorded	4	Projectile	ENE to WSW	N/K	6-Oct, 23:35
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	6-Oct, 23:36
	3-5km S	Recorded	3	Projectile	W to E	N/K	6-Oct, 23:49
	3-5km S	Recorded	1	Projectile	W to E	N/K	7-Oct, 00:28
	3-5km SSE	Recorded	3	Projectile	W to E	N/K	7-Oct, 00:29
	3-5km SSE	Recorded	1	Projectile	E to W	N/K	7-Oct, 00:38
	3-5km S	Recorded	4	Projectile	W to E	N/K	7-Oct, 00:40
	3-5km S	Recorded	1	Projectile	E to W	N/K	7-Oct, 00:40
	3-5km SSE	Recorded	7	Projectile	W to E	N/K	7-Oct, 01:29
	3-5km S	Recorded	2	Projectile	WNW to ESE	N/K	7-Oct, 01:30
	3-5km S	Recorded	1	Projectile	W to E	N/K	7-Oct, 01:33
	2-4km S	Recorded	2	Projectile	E to W	N/K	7-Oct, 01:53
	2-4km S	Recorded	1	Projectile	E to W	N/K	7-Oct, 01:54
	2-4km SSE	Recorded	2	Projectile	E to W	N/K	7-Oct, 01:56
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	7-Oct, 01:57
	2-4km S	Recorded	3	Projectile	W to E	N/K	7-Oct, 02:32
	2-4km SSE	Recorded	2	Projectile	W to E	N/K	7-Oct, 02:47
	2-4km SSE	Recorded	7	Projectile	W to E	N/K	7-Oct, 02:48
	3-5km S	Recorded	14	Projectile	W to E	N/K	7-Oct, 03:46
	3-5km S	Recorded	2	Projectile	NE to SW	N/K	7-Oct, 04:04
	3-5km S	Recorded	2	Projectile	W to E	N/K	7-Oct, 04:07
	2-4km S	Recorded	2	Projectile	E to W	N/K	7-Oct, 05:05
About 1km NNE of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km NW	Heard	3	Burst		Small arms	7-Oct, 11:42
	4-5km NW	Heard	2	Explosion	Undetermined	N/K	7-Oct, 11:42-11:48
	3-5km NW	Heard	7	Explosion	Undetermined	N/K	7-Oct, 11:42-11:48
S part of Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	1km W	Heard	2	Shot		Small arms	7-Oct, 11:25
SE part of Dokuchaievsk (non-government-controlled, 30km SW of Donetsk)	3-5km NNW	Heard	2	Explosion	Undetermined	N/K	7-Oct, 11:58
About 1km E of Kruta Balka (non-government-controlled, 16km N	3-4km W	Heard	8	Explosion	Undetermined	N/K	7-Oct, 10:41-10:45
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	7-Oct, 10:46-10:50

of Donetsk)	3-4km SW	Heard	2	Explosion	Undetermined	N/K	7-Oct, 10:56
E part of Krasnohorivka (government-controlled, 21km W of Donetsk)	1-2km NNW	Heard	Uncountable	Shot		Small arms	7-Oct, 13:30
NW part of Vuhlehirsk (non-government-controlled, 49km NE of Donetsk)	6-8km NW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:37
	5-6km N	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:38
	2-3km N	Heard	5	Burst		HMG	7-Oct, 11:42
	8-10km N	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:46
	6-8km W	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:46
	4-6km N	Heard	1	Shot	30mm cannon	N/K	7-Oct, 11:57
	4-6km N	Heard	1	Shot	30mm cannon	N/K	7-Oct, 12:10
About 900m SE of Pervomaiske (government-controlled, 17km NW of Donetsk)	3-5km S	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:52
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km W	Heard	1	Burst		HMG	7-Oct, 13:59
	5-6km W	Heard	4	Explosion	Undetermined	N/K	7-Oct, 14:22-14:27
	1-2km NW	Heard	2	Shot		Small arms	7-Oct, 14:57
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	6-8km W	Heard	2	Explosion	Undetermined	N/K	7-Oct, 15:12
	6-8km W	Heard	2	Explosion	Impact	N/K	7-Oct, 15:19
	6-8km W	Heard	1	Explosion	Undetermined	N/K	7-Oct, 15:34
	6-8km W	Heard	1	Explosion	Undetermined	N/K	7-Oct, 15:37
	4-5km NNW	Heard and saw	1	Explosion	Impact	N/K	7-Oct, 15:37
	4-5km NNW	Heard and saw	1	Explosion	Impact	N/K	7-Oct, 15:38
	4-5km N	Heard	3	Explosion	Undetermined	N/K	7-Oct, 15:40
	8-10km N	Heard	1	Explosion	Outgoing	N/K	7-Oct, 15:41
	4-5km N	Heard and saw	2	Explosion	Impact	N/K	7-Oct, 15:41
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	2-3km SSW	Heard	2	Explosion	Undetermined	N/K	7-Oct, 14:58
2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	N/K SSE	Heard	2	Burst		HMG	7-Oct, 10:35
	N/K SSE	Heard	15	Burst		HMG	7-Oct, 10:50-10:52
1km NW of Pyshevyk (government-controlled, 84km S of Donetsk)	3-4km E	Heard	4	Explosion	Impact (black smoke was spotted)	N/K	7-Oct, 13:07-13:14
	3-4km E	Heard	4	Explosion	Impact (black smoke was spotted)	N/K	7-Oct, 13:24
About 3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	3km NW	Heard	Uncountable	Burst		Small arms	7-Oct, 10:50-10:55
3km NW of Lebedynske (government-controlled, 99km S of Donetsk)	3km ENE	Heard	30	Burst		Small arms	7-Oct, 11:29-11:32
	3km ENE	Heard	20	Shot		Small arms	7-Oct, 11:29-11:32
3km NE of Hnutove (government-controlled, 90km south of Donetsk)	3.5km SE	Heard	25	Burst (Assessed as directed at the UAV)		Small arms	7-Oct, 10:50-10:59
	3.5km ENE	Heard	Uncountable	Shot and		Small	7-Oct,

				burst		arms	11:41-11:50
1km NE of Berezove (government-controlled, 31km south-west of Donetsk)	2km N	Heard	2	Explosion	Impact (black smoke was spotted)	N/K	7-Oct, 11:57
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SE	Heard	2	Explosion	Undetermined	N/K	6-Oct, 19:00
	4-5km S	Heard	1	Explosion	Undetermined	N/K	6-Oct, 21:21
	4-5km S	Heard	4	Burst		HMG	6-Oct, 21:23
	4-5km S	Heard	1	Explosion	Undetermined	N/K	6-Oct, 22:00
	4-5km S	Heard	6	Burst		HMG	6-Oct, 23:01-23:02
	4-5km S	Heard	1	Explosion	Undetermined	N/K	6-Oct, 23:23
	4-5km S	Heard	2	Explosion	Undetermined	N/K	6-Oct, 23:42
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	7-Oct, 09:11
	4-5km S	Heard	10	Explosion	Undetermined	N/K	7-Oct, 11:15-11:18
	4-6km SW	Heard	25	Explosion	Undetermined	N/K	7-Oct, 17:10-17:11
	4-6km SW	Heard	32	Burst		HMG	7-Oct, 17:24-17:29
	4-6km SW	Heard	25	Burst		HMG	7-Oct, 18:02-18:10
	4-6km SW	Heard	18	Explosion	Undetermined	N/K	7-Oct, 18:15-18:30
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-7km NW	Heard	3	Explosion	Undetermined	N/K	6-Oct, 20:50-20:54
	5-7km NNW	Heard	3	Explosion	Undetermined	N/K	6-Oct, 20:56-20:58
	5-7km NNE	Heard	1	Burst		HMG	6-Oct, 21:10
	5-7km NNE	Heard	3	Explosion	Undetermined	N/K	6-Oct, 21:28-21:32
	5-7km NW	Heard	3	Explosion	Undetermined	N/K	6-Oct, 22:03-22:06
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	6-Oct, 22:44-22:45
	5-7km NE	Heard	1	Explosion	Undetermined	N/K	6-Oct, 22:52
	5-7km NW	Heard	1	Explosion	Undetermined	N/K	6-Oct, 23:28
	5-7km NE	Heard	2	Explosion	Undetermined	N/K	6-Oct, 23:50-23:51
	2-4km SW	Heard	3	Explosion	Undetermined	N/K	7-Oct, 09:51
	5-7km NNW	Heard	4	Explosion	Undetermined	N/K	7-Oct, 16:53
	5-7km NNW	Heard	Uncountable	Explosion		HMG	7-Oct, 17:03
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	7-Oct, 17:04-17:05
NW edge of Horlivka (non-government controlled, 39km NE of Donetsk)	2-3km SW	Heard	3	Explosion	Undetermined	N/K	7-Oct, 10:40
	2-3km S	Heard	1	Shot		Small arms	7-Oct, 13:07
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	7-Oct, 13:55
	4-5km SW	Heard	4	Explosion	Undetermined	N/K	7-Oct, 14:24-14:26
	4-5km SW	Heard	10	Shot		Small arms	7-Oct, 14:24-14:26
	2-4km SW	Heard	15	Explosion	Undetermined	N/K	7-Oct, 14:31-14:39
	2-4km SW	Heard	13	Shot		Small arms	7-Oct, 14:31-14:39
	2-4km SW	Heard	16	Burst		Small arms	7-Oct, 14:31-14:39
	2-5km S	Heard	1	Explosion	Undetermined	N/K	7-Oct, 14:43
	2-4km SW	Heard	9	Shot		Small arms	7-Oct, 14:45-14:47
	2-4km SW	Heard	7	Burst		Small arms	7-Oct, 14:45-14:47

	2-4km SW	Heard	24	Shot		Small arms	7-Oct, 14:58
	2-4km SW	Heard	9	Burst		Small arms	7-Oct, 15:00
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-4km NE	Heard	5	Explosion	Undetermined	N/K	7-Oct, 10:43-10:45
	2-3km W	Heard	2	Shot		Small arms	7-Oct, 11:58
	6-7km WSW	Heard	5	Explosion	Undetermined	N/K	7-Oct, 14:20-14:24
E edge of Zalizne (government-controlled, 42km NE of Donetsk)	2km ESE	Heard	2	Explosion	Undetermined	N/K	7-Oct, 09:50
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	7-Oct, 10:39-10:41
	5km SSE	Heard	1	Explosion	Undetermined	N/K	7-Oct, 11:35
	4-5km SSE	Heard	2	Explosion	Undetermined	N/K	7-Oct, 11:43
	4-5km SE	Heard	20	Explosion	Undetermined	N/K	7-Oct, 14:24-14:28
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Oct, 14:30
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	7-Oct, 14:32
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Oct, 14:33
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	7-Oct, 14:44
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km S	Recorded	1	Projectile	W to E (unable to assess whether inside or outside the disengagement area)	N/K	6-Oct, 21:09
	2-4km S	Recorded	1	Explosion	Airburst (unable to assess whether inside or outside the disengagement area)	N/K	6-Oct, 23:16
N edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	1km S	Heard	2	Explosion	Undetermined (assessed as inside the disengagement area)	N/K	7-Oct, 09:35
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	5-7km NE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	7-Oct, 13:15-13:16

Map of Donetsk and Luhansk regions¹⁰



¹⁰ 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).