



Daily Report 219/2019

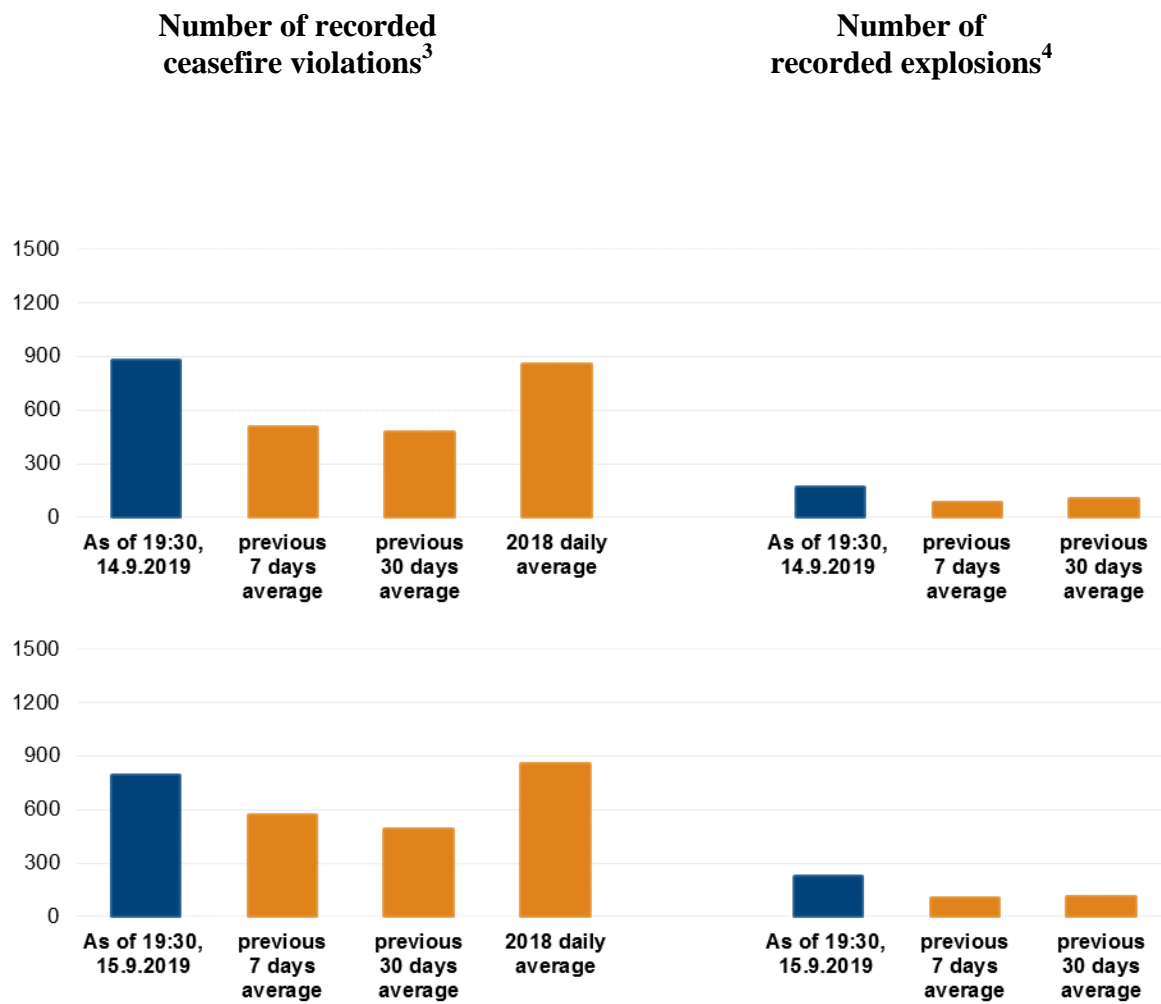
16 September 2019¹

Summary

- Compared with the previous reporting period, between the evenings of 13 and 14 September, the SMM recorded more ceasefire violations in Donetsk region and fewer in Luhansk region.
- Between the evenings of 14 and 15 September, the Mission recorded fewer ceasefire violations in Donetsk region and a similar number of ceasefire violations in Luhansk region, compared with the previous 24 hours.
- The SMM saw fresh damage due to small-arms fire to residential buildings in Yasynuvata and Zolote-5/Mykhailivka.
- Inside the Stanytsia Luhanska disengagement area, the SMM saw workers from government-controlled areas conducting works on the road north of the broken section of the bridge and saw members of the armed formations removing debris, and workers welding metal components on the upper part of the bridge.
- The SMM saw anti-tank mines near the Petrivske disengagement area.
- The Mission saw weapons in violation of withdrawal lines on both sides of the contact line, including at the airport south of Luhansk city.
- The SMM monitored adherence to the ceasefire to facilitate the operation of essential civilian infrastructure and to enable the drilling of wells near Raivka.
- Restrictions of the Mission's access continued, including at checkpoints near non-government-controlled Zaichenko and Petrivske.*

¹ Based on information from the Monitoring Teams as of 19:30, 8 September 2019. All times are in Eastern European Summer Time.

Ceasefire violations²

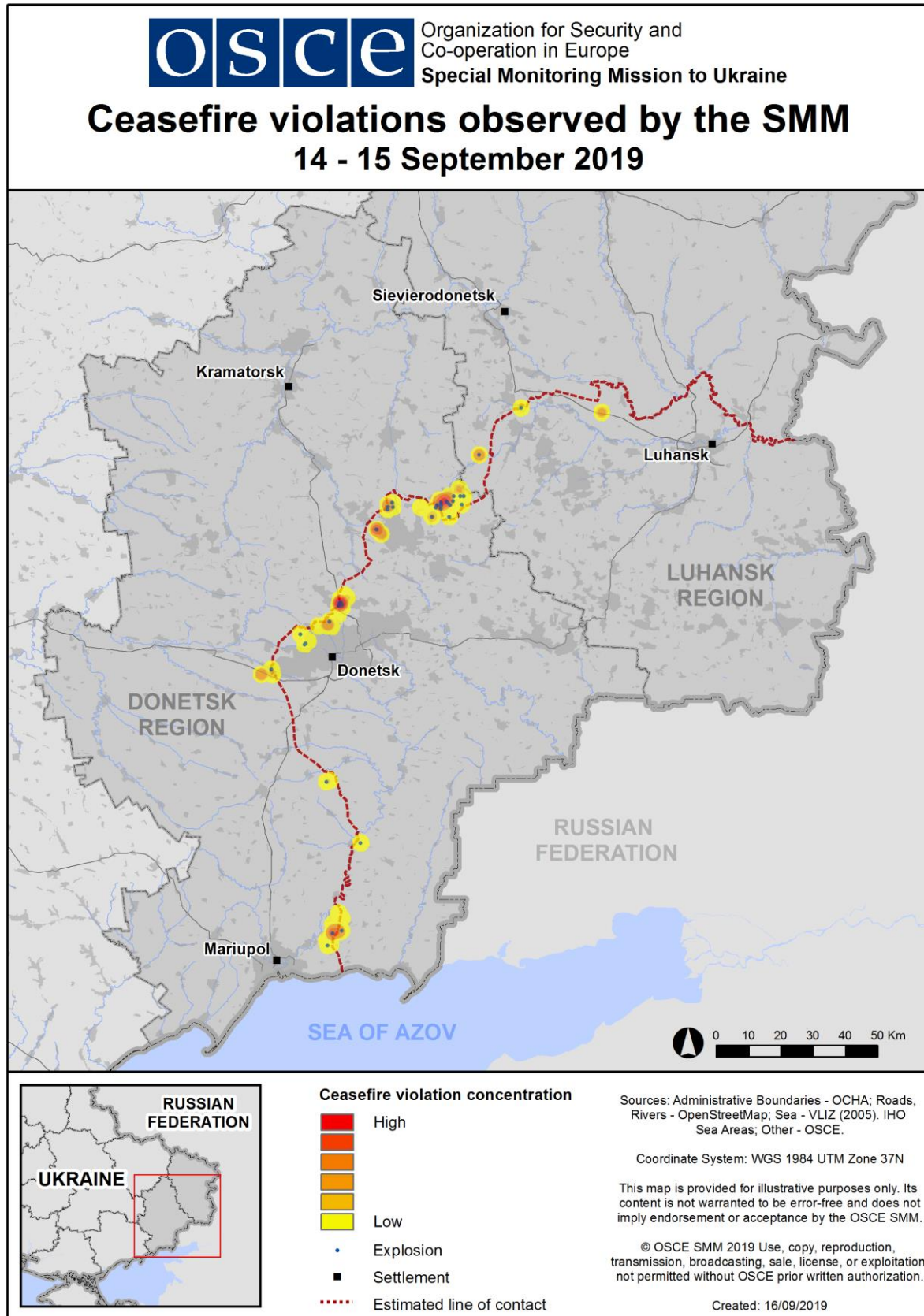


² For a complete breakdown of ceasefire violations, please see the annexed table. During the reporting period, the SMM camera in Chermalyk was not operational.

³ Including explosions.

⁴ Including from unidentified weapons.

Map of recorded ceasefire violations



In Donetsk region, between the evenings of 13 and 14 September, the SMM recorded more ceasefire violations, including, more explosions (about 165), compared with the [previous reporting period](#) (about 80 explosions). Almost 80 per cent of ceasefire violations, including the majority of explosions, were recorded at southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and at southerly directions of the Donetsk Filtration Station (DFS) (15km north of Donetsk), including about 90 explosions at a range of 200-600m of the SMM camera at the DFS.

Between the evenings of 14 and 15 September, the Mission recorded fewer ceasefire violations, including, however, more explosions (about 220), compared with the previous 24 hours. The majority of ceasefire violations, including almost half of the explosions, were recorded at southerly directions of the DFS, in areas north-west of Horlivka (non-government-controlled, 39km north-east of Donetsk), east-north-east and east of Maiorsk (government-controlled, 45km north-east of Donetsk) and south and south-south-east of Pyshchevyk (government-controlled, 25km north-east of Mariupol).

In Luhansk region, between the evenings of 13 and 14 September, the SMM recorded fewer ceasefire violations, including five explosions, compared with the [previous reporting period](#) (13 explosions). The majority of ceasefire violations were recorded in areas south-west of Smile (non-government-controlled, 31km north-west of Luhansk).

Between the evenings of 14 and 15 September, the Mission recorded a similar number of ceasefire violations, with all of them being explosions (43), as in the previous 24 hours. All ceasefire violations were recorded in areas south-east of Popasna (government-controlled, 69km west of Luhansk).

Fresh damage from small-arms fire to houses in Yasynuvata and Zolote-5/Mykhailivka

On 15 September, the SMM observed fresh damage to a residential single-storey house in Yasynuvata (non-government-controlled, 16km north-east of Donetsk), assessed as caused by small-arms fire. At 14/2 Gogol Street, the SMM saw two holes in a double-glazed, west-facing window, one in the exterior pane and mosquito net and a corresponding one in the interior pane, with shards of glass scattered on the windowsill and on the carpet. The owner of the house (man in his forties) told the SMM that he had found a bullet on a pillow on the couch in the same room at 02:00 on 15 September, immediately after the incident.

On the same day, led by two members of the armed formations (wearing armbands with “JCCC” written on them), the SMM observed damage to an apartment in a two-storey residential building in the south-western part of Zolote-5/Mykhailivka (non-government-controlled, 61km west of Luhansk).⁵ At 18/6 Liza Chaikina Street, the SMM saw a hole in a shattered glass part of a north-north-west facing balcony door of the second floor apartment. The SMM assessed the damage as fresh and caused by small-arms fire. The owners of the house (a woman and a man in their fifties) told the SMM that they were inside the apartment at the time of the incident in the evening hours of 14 September.

⁵ The Joint Centre for Control and Co-ordination (JCCC) was established in September 2014 by Ukraine and the Russian Federation. Each posted a representative to jointly head the Centre and a staff of officers from the Ukrainian and Russian Federation Armed Forces to be co-located in defined sectors of Luhansk and Donetsk regions. In December 2017, Russian Federation Armed Forces officers withdrew from the JCCC and departed Ukraine.

Stanytsia Luhanska disengagement area

On the afternoon of 13 September, the SMM saw that the eastern and the western sides of the broken section of the Stanytsia Luhanska bridge (15km north of Luhansk) had been cleared of scrap metal and debris, and a small wooden outhouse (which a Ukrainian Armed Forces officer of the JCCC said it was for sanitary use by the workers) had been installed in the north-eastern corner of the broken section of the bridge. The SMM also saw white smoke rising from the western side of the broken section of the bridge (assessed as burning wood and vegetation).

On 14 and 15 September, the SMM saw that about 300m of asphalt had been laid across the road and saw about 30 workers (15 of them wearing orange vests) from government-controlled areas, as well as equipment and machinery, laying asphalt on the eastern and western sides of the road at the northern section of the broken section of the bridge.

On 14 September, the SMM observed State Emergency Service (SES) deminers using metal detectors on the western side of the road, about 500m north of the broken section of the bridge. Positioned 100m north of the aforementioned location, the Mission saw four SES deminers, two of them cutting vegetation and two using mine detectors, about 15m west of the road. In the afternoon of the same day, the Mission saw workers from government-controlled areas transporting a wooden framed shade with a small bulldozer, which was later erected 5m north-east of the broken section of the bridge. A Ukrainian Armed Forces officer of the JCCC told the SMM that the shade would be used by volunteers to assist, free-of-charge, elderly people with disabilities who need to cross the broken section of the bridge.

On 15 September, the SMM saw three SES deminers checking areas under the broken section of the bridge, in order to provide safe access for three workers from government-controlled areas. It also saw two truckloads of gravel unloaded about 50m east of the broken section of the bridge. The SMM observed that the electric cart was operating at regular intervals, while the regular bus was not operational due to ongoing road repair works.

On the afternoon of 13 September, the SMM observed that the machine-gun firing position around 40m south of the bridge, which the armed formations had started [dismantling in the morning](#), had been removed. The Mission also saw six members of the armed formations (wearing armbands with "JCCC" written on them) and three deminers from non-government-controlled areas with a crane loading concrete blocks on a truck, about 5-10m south-east of the broken section of the bridge and driving them towards the Prince Ihor monument, south-east of the disengagement area. The Mission also saw a crane and a truck stationary on the road near the Prince Ihor monument and another truck transporting concrete blocks from the broken section of the bridge. Subsequently it saw a pile of concrete blocks on the eastern side of the road near the Prince Ihor monument. On the same day, the SMM saw two workers weld metal components on the upper part of the metal section of the bridge.

In the late afternoon of the same day, the SMM observed white smoke rising, assessed as caused by burning vegetation, in an area about 70m west of the broken section of the bridge.

On 14 September, the SMM saw a crane mounted on a truck, moving concrete blocks and debris into a pile about 5m east of the broken section of the bridge.

On 14 and 15 September, the Mission saw members of the armed formations (wearing armbands with “JCCC” written on them) between the southern edge of the broken section of the bridge and the checkpoint of the armed formations south of the bridge, including near the [previously observed](#) blue container, about 40m south of the broken section of the bridge.

Other disengagement areas⁶

On 13 September, on the road between Bohdanivka (government-controlled, 41km south-west of Donetsk) and Viktorivka (non-government-controlled, 42km south-west of Donetsk), an SMM mini-unmanned aerial vehicle (UAV) spotted ten anti-tank mines (TM-62) laid in two rows about 200m north of the northern edge of the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk), assessed as belonging to the Ukrainian Armed Forces (for previous observations, see [SMM Daily Report 10 September 2019](#)). The UAV also spotted a “barely visible obstacle (MZIP-IM)” laid across the same road about 2km east of the previously mentioned mines and about 180m north of the disengagement area’s northern edge, assessed as belonging to the armed formations. The UAV [again](#) spotted an armoured personnel carrier (APC) (BTR variant) inside the disengagement area, about 650m south of its northern edge and 700m east of its western edge, assessed as belonging to the Ukrainian Armed Forces.

On 14 September, while positioned in Bohdanivka, the SMM heard three bursts of small-arms fire and six undetermined explosions, all about 500m west, assessed as outside the Petrivske disengagement area but within its 5km periphery.

On 14 September, positioned on the southern edge of Zolote-5/Mykhailivka, the SMM heard five undetermined explosions at an assessed range of 1-2km north-north-west, assessed as outside the disengagement area near Zolote (government-controlled, 60km west of Luhansk) but within its 5km periphery. Near the checkpoint of the armed formations on the southern edge of the disengagement area, the SMM saw an excavator digging trenches, as well as, for the first time, a 50m-long trench running south of the checkpoint, outside the disengagement area.

Withdrawal of weapons

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

In total, the Mission observed 73 weapons in violation of withdrawal lines, including at an airport Luhansk city (for more details, see the below table of weapons in violation of withdrawal lines as of 15 September 2019.)

Weapons that the SMM could not verify as withdrawn⁷

At a heavy weapons holding area in a non-government-controlled area of Donetsk region
14 September

⁶ Disengagement is foreseen in the [Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware](#) of 21 September 2016.

⁷ The SMM observed weapons that could not be verified as withdrawn, as their storage did not comply with the criteria set out in the 16 October 2015 notification from the SMM to the signatories of the Package of Measures on effective monitoring and verification of the withdrawal of heavy weapons.

The SMM noted that 27 towed howitzers (D-30 *Lyagushka*, 122mm) continued to be missing.

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

Government-controlled areas

13 September

An SMM mini-UAV spotted a self-propelled anti-aircraft gun (ZSU-23-4 *Shilka*, 23mm) in Pyshechyk.

An SMM long-range UAV spotted three probable APCs (BTR variants) near Voitove (33km north-west of Luhansk).

14 September

The SMM saw two APCs (BT-70) and an armoured reconnaissance vehicle (BRDM-2) near Peredilske (24km north-west of Luhansk).

On 14 and 15 September, the Mission saw an armored ambulance vehicle (MT-LB S) in a revetment about 350m north of the disengagement area near Zolote.

15 September

The SMM saw an armoured reconnaissance vehicle (BRMD-2) in Zolote.

Non-government-controlled areas

9 September

Aerial imagery available to the SMM revealed the presence of two armoured combat vehicles in Bezimenne (100km south of Donetsk).

14 September

The SMM saw a trench digger (type undetermined) on a road about 2.6km north of Petrivske.

15 September

The SMM saw new trenches running about 30m north-west and about 50m south-east from both edges of a road and extending into fields, about 3km south of Styla (34km south of Donetsk).

SMM facilitation of repair works to civilian infrastructure

On 14 September, the SMM monitored adherence to the ceasefire to enable the drilling of wells near Raivka (non-government-controlled, 16km north-west of Luhansk).

On 14 and 15 September, the Mission continued to facilitate the operation of the DFS. Despite security guarantees being provided, the SMM camera at the DFS recorded ceasefire violations, including about 210 undetermined explosions, at an assessed range of 200m-1km at southerly directions of the camera.

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

On 15 September, the Mission monitored the security situation around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

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

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

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the 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 14 September 2019](#)). The SMM's operations in Donetsk and Luhansk regions remain restricted following [the fatal incident of 23 April 2017 near Pryshyb](#); these restrictions continued to limit the Mission's observations.

Denial of access:

- On 14 and 15 September at a checkpoint 800m north of Zaichenko (non-government-controlled, 26km northeast of Mariupol), two armed members of the armed formations [again](#) denied the SMM passage westward or southward, citing “ongoing demining activities”.
- On 14 and 15 September, on a road about 2.5km north of Petrivske (non-government-controlled, 41km south of Donetsk), a crane truck lifting concrete blocks blocked the SMM's passage. As a result, the Mission was unable to access its camera site in Petrivske.

Regular restrictions related to disengagement areas and mines/UXO:

- The sides continued to deny the SMM full access to disengagement areas near Zolote and Petrivske, 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 and UXO.

Other impediments:

- On the evening of 13-14 September, an SMM long-range UAV lost its GPS signal due to signal interference, assessed as caused by probable jamming, while flying between Dvorichchia (government-controlled, 80km north of Donetsk) and Kapitanove (government-controlled, 49km north-west of Luhansk).⁹

⁹ The interference could have originated from anywhere within the radius of kilometres from the UAV's positions.

Table of weapons in violation of withdrawal lines as of 15 September 2019

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
13/09/2019	4	Towed howitzer (2A36 <i>Giatsint-B</i> , 152mm)	Khersones (87km south of Donetsk)	Mini UAV
13/09/2019	1	Surface-to-air missile system (9K35 <i>Strela-10</i>)	Pyshchevyk (25km north-east of Mariupol) (for previous observations in the area, see SMM Daily Report 22 July 2019)	Mini UAV
Non-government-controlled areas				
09/09/2019	25	Self-propelled howitzer (type undetermined)	Training area near Shymshynivka (27km south-west of Luhansk) (for previous observations, see SMM Daily Report 29 August 2019)	Aerial imagery
09/09/2019	8	Multiple launch rocket system		
14/09/2019	7	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)	Mykhailivka (74km south-east of Donetsk)	Patrol
14/09/2019	1	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	Airport near Luhansk city (about 2km north of Peremozhne (,19km south of Luhansk))	Patrol
	7	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)		
	6	Towed howitzer (2A65 <i>Msta-B</i> , 152mm)		
	5	Towed howitzer (D-30 <i>Lyagushka</i> , 122mm)		
	7	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)		
	2	Anti-tank gun (a BS-3 100mm and a MT-12 <i>Rapira</i> , 100mm)		

Beyond withdrawal lines but outside of designated storage sites:

Date	No. of weapons	Type of weapons	Location	Source of observation
Government-controlled areas				
13/09/2019	4	Self-propelled howitzer (2S3 <i>Akatsiya</i> , 152mm)	In a military compound in Dvorichchia (80km north of Donetsk)	Long-range UAV
13/09/2019	9	Towed howitzer (D-20, 152mm)		
13/09/2019	3	Tank (type undetermined)	Dmytrivka (43km north of Luhansk)	Long-range UAV

13/09/2019	4	Tank (T-64)	Near Novoolenivka (48km north-west of Donetsk)	Patrol
14/09/2019	4	Tank (type undetermined)	At the railway station in Kostiantynivka (60km north of Donetsk)	Patrol
13/09/2019	6	Tank (T-64)	At the railway station in Bakhmut (formerly Artemivsk, 67km north of Donetsk)	Long-range UAV
14/04/2019	6	Tank (T-64)		Patrol
Non-government-controlled areas				
09/09/2019	2	Tank (type undetermined)	Training area near Shymshynivka (27km south-west of Luhansk) (for previous observations, see SMM Daily Report 29 August 2019)	Aerial imagery
09/09/2019	26	Tank (type undetermined)	Training area near Ternove (57km east of Donetsk) (for previous observations, see SMM Daily Report 24 August 2019)	Aerial imagery
14/09/2019	17	Tank (eight T-64 and nine T-72)	Airport south of Luhansk city (about 2km north of Peremozhne (government-controlled,19km south of Luhansk))	Patrol
	7	Surface-to-air missile system (9K35 <i>Strela-10</i>)		
	1	Mortar (2B11 <i>Sani</i> , 120mm)		
	1	Towed mortar (2B9 <i>Vasilek</i> , 82mm)		

Other weapons observed¹⁰:

Date	No. of weapons	Type of weapon	Location	Source of observation
Non-government-controlled areas				
09/09/2019	1	Towed howitzer or mortar (types undetermined) ¹¹	Training area near Shymshynivka (27km south-west of Luhansk) (see above)	Aerial imagery
09/09/2019	3	Self-propelled howitzer or mortar (type undetermined)	Training area near Ternove (57km east of Donetsk) (see above)	Aerial imagery
09/09/2019	4	Towed howitzer or mortar type undetermined)		

¹⁰ The SMM was unable to assess whether these weapons were in violation of withdrawal lines in the absence of information on their calibre.

Table of ceasefire violations as of 15 September 2019¹²

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.8-1km S	Recorded	10	Projectile	W to E (followed by ricochet)	N/K	13-Sep, 20:43
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:46
	0.3-0.6km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:46
	0.2-0.4km SSW	Recorded	7	Muzzle flash		N/K	13-Sep, 20:51
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:52
	0.3-0.6km SSW	Recorded	9	Muzzle flash		N/K	13-Sep, 20:58
	0.3-0.6km S	Recorded	5	Explosion	Impact	N/K	13-Sep, 20:58
	0.3-0.6km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:58
	0.3-0.6km SSW	Recorded	6	Explosion	Undetermined	N/K	13-Sep, 20:59
	0.3-0.6km S	Recorded	2	Muzzle flash		N/K	13-Sep, 21:00
	0.3-0.6km SSW	Recorded	10	Explosion	Undetermined	N/K	13-Sep, 21:00
	0.3-0.6km SSW	Recorded	15	Muzzle flash		Small arms	13-Sep, 21:01
	0.3-0.6km SSW	Recorded	4	Explosion	Undetermined	N/K	13-Sep, 21:01
	0.3-0.6km S	Recorded	1	Muzzle flash		N/K	13-Sep, 21:02
	0.3-0.6km SSW	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:02
	0.3-0.6km SSW	Recorded	7	Muzzle flash		N/K	13-Sep, 21:02
	0.3-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:04
	0.8-1km SSE	Recorded	2	Muzzle flash		N/K	13-Sep, 21:07
	0.3-0.6km SSW	Recorded	2	Muzzle flash		N/K	13-Sep, 21:07
	0.3-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:08
	0.3-0.6km SSW	Recorded	3	Explosion	Undetermined	N/K	13-Sep, 21:09
	0.3-0.6km S	Recorded	3	Explosion	Undetermined	N/K	13-Sep, 21:09
	0.3-0.6km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:09
	0.8-1km SSW	Recorded	1	Projectile	WNW to ESE	N/K	13-Sep, 21:10
	0.3-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:15
	0.3-0.6km SSW	Recorded	3	Explosion	Outgoing	N/K	13-Sep, 21:16
	0.3-0.6km SSW	Recorded	2	Explosion	Subsequent impacts	N/K	13-Sep, 21:16
	0.3-0.6km S	Recorded	13	Muzzle flash		N/K	13-Sep, 21:17
	0.3-0.6km W	Recorded	13	Explosion	Subsequent to previous event	N/K	13-Sep, 21:17
	0.3-0.6km W	Recorded	9	Explosion	Undetermined	N/K	13-Sep, 21:17
	0.8-1.4km SSW	Recorded	1	Projectile	WNW to ESE	N/K	13-Sep, 21:17
	0.3-0.6km S	Recorded	4	Explosion	Impact	N/K	13-Sep, 21:17
	0.3-0.6km S	Recorded	1	Explosion	Impact	N/K	13-Sep, 21:17
	0.3-0.6km SSW	Recorded	1	Explosion	Outgoing	N/K	13-Sep, 21:17
	0.2-0.4km S	Recorded	1	Explosion	Impact	N/K	13-Sep, 21:17
	0.3-0.6km SSW	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:18
	0.8-1.2km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:18
	0.8-1.2km S	Recorded	1	Projectile	W to E	N/K	13-Sep, 21:18
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:18
	0.8-1.2km S	Recorded	6	Explosion	Undetermined	N/K	13-Sep, 21:19
	0.3-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:20
	0.8-1.2km S	Recorded	8	Explosion	Undetermined	N/K	13-Sep, 21:21
	0.8-1.2km SSE	Recorded	3	Explosion	Undetermined	N/K	13-Sep, 21:21
	0.3-0.6km SSW	Recorded	3	Explosion	Undetermined	N/K	13-Sep, 21:21
	0.8-1.2km S	Recorded	4	Explosion	Undetermined	N/K	13-Sep, 21:22
	0.2-0.6km S	Recorded	18	Projectile	WSW to ENE	N/K	13-Sep, 21:22
	0.8-1.2km S	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:23
	0.2-0.6km S	Recorded	18	Projectile	WSW to ENE	N/K	13-Sep, 21:23
	0.3-0.6km SSW	Recorded	8	Explosion	Outgoing	N/K	13-Sep, 21:23
	0.2-0.6km S	Recorded	1	Projectile		N/K	13-Sep, 21:24
	0.3-0.6km S	Recorded	2	Muzzle flash		N/K	13-Sep, 21:24
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:24
	0.3-0.6km S	Recorded	11	Projectile	WSW to ENE	N/K	13-Sep, 21:24
	0.2-0.6km S	Recorded	17	Projectile	WNW to ESE	N/K	13-Sep, 21:25
	0.2-0.6km S	Recorded	2	Projectile	W to E	N/K	13-Sep, 21:25
	0.3-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:25

¹² The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	0.8-1.2km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:30
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:35
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:36
	0.3-0.6km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:36
	0.3-0.6km SSW	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:38
	0.8-1.2km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:38
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	13-Sep, 21:39
	0.3-0.6km S	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:40
	0.3-0.6km SSW	Recorded	3	Muzzle flash		N/K	13-Sep, 21:40
	0.3-0.6km S	Recorded	16	Projectile	W to E	N/K	13-Sep, 21:40
	0.3-0.6km S	Recorded	13	Projectile	W to E	N/K	13-Sep, 21:41
	0.3-0.6km S	Recorded	11	Projectile	W to E	N/K	13-Sep, 21:42
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:42
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	13-Sep, 21:44
	0.3-0.6km S	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:44
	0.3-0.6km SSW	Recorded	2	Explosion	Undetermined	N/K	13-Sep, 21:44
	1-2km S	Recorded	1	Illumination flare	In vertical flight	N/K	13-Sep, 22:38
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-2km SSW	Recorded	3	Explosion	Undetermined	N/K	14-Sep, 01:34
	4-6km ESE	Recorded	1	Projectile	SSW to NNE	N/K	13-Sep, 20:13
	4-6km ESE	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:24
	4-6km ESE	Recorded	2	Projectile	In vertical flight	N/K	13-Sep, 20:26
	4-6km ESE	Recorded	1	Burst	In vertical flight	N/K	13-Sep, 21:33
	4-6km ENE	Recorded	1	Projectile	N to S	N/K	13-Sep, 21:59
	4-6km ENE	Recorded	1	Projectile	N to S	N/K	13-Sep, 23:01
	4-6km ENE	Recorded	1	Projectile	In vertical flight	N/K	13-Sep, 23:01
	4-6km ENE	Recorded	3	Projectile	N to S	N/K	13-Sep, 23:02
	4-6km NE	Recorded	1	Illumination flare	In vertical flight, also recorded by Lomakyne camera	N/K	14-Sep, 03:27
SMM camera E of Lomakyne (government-controlled, 15km NE of Mariupol)	3-4km ENE	Recorded	1	Explosion	Impact	N/K	13-Sep, 19:08
	4-5km ENE	Recorded	1	Projectile	In vertical flight	N/K	13-Sep, 19:23
	4-5km NE	Recorded	1	Projectile	SE to NW	N/K	13-Sep, 19:38
	3-5km NE	Recorded	1	Projectile	SE to NW	N/K	13-Sep, 21:21
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-3km E	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 20:29
	1-3km E	Recorded	1	Explosion	Airburst	N/K	13-Sep, 20:50
	10-14km E	Recorded	1	Illumination flare	In vertical flight	N/K	13-Sep, 21:32
	1-3km ENE	Recorded	3	Projectile	NNW to SSE	N/K	13-Sep, 22:09
	1-3km ENE	Recorded	4	Projectile	NNW to SSE	N/K	13-Sep, 22:10
	1-3km ENE	Recorded	2	Projectile	NNW to SSE	N/K	13-Sep, 22:12
	1-3km ENE	Recorded	7	Projectile	NNW to SSE	N/K	13-Sep, 22:13
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	13-Sep, 22:14
	2-4km ENE	Recorded	3	Projectile	ESE to WNW	N/K	13-Sep, 23:11
	1-3km ENE	Recorded	2	Projectile	NNW to SSE	N/K	13-Sep, 23:15
	1-3km ENE	Recorded	4	Projectile	NNW to SSE	N/K	13-Sep, 23:17
	1-3km ENE	Recorded	3	Projectile	WSW to ENE	N/K	13-Sep, 23:18
	1-3km ENE	Recorded	1	Projectile	NW to SE	N/K	13-Sep, 23:19
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 25km NE of Mariupol)	3-5km SSE	Recorded	4	Projectile	W to E	N/K	13-Sep, 20:14
	3-5km SSE	Recorded	1	Projectile	W to E	N/K	13-Sep, 20:15
	3-5km S	Recorded	1	Burst	In vertical flight	N/K	13-Sep, 20:19
	3-5km SSE	Recorded	2	Projectile	W to E	N/K	13-Sep, 20:25
	3-5km SSE	Recorded	11	Projectile	W to E	N/K	13-Sep, 20:26
	3-5km S	Recorded	2	Projectile	In vertical flight	N/K	13-Sep, 20:26
	3-5km S	Recorded	1	Projectile	In vertical flight	N/K	13-Sep, 22:23
	3-5km S	Recorded	4	Projectile	In vertical flight	N/K	13-Sep, 22:26
	3-5km S	Recorded	10	Projectile	W to E	N/K	13-Sep, 22:26
	3-5km S	Recorded	2	Projectile	W to E	N/K	13-Sep, 22:27
	3-5km S	Recorded	5	Projectile	W to E	N/K	13-Sep, 22:28
	3-5km S	Recorded	1	Projectile	W to E	N/K	13-Sep, 22:30
	3-5km S	Recorded	3	Projectile	W to E	N/K	13-Sep, 22:31
	1-3km S	Recorded	2	Projectile	W to E	N/K	13-Sep, 22:33
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km E	Recorded	1	Explosion	Undetermined	N/K	13-Sep, 21:04
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km SW	Heard	5	Shot		Small arms	14-Sep, 09:20-09:23
	2-3km NNW	Heard	1	Shot		HMG	14-Sep, 09:22
	2-3km N	Heard	8	Shot		Small arms	14-Sep, 12:20-12:25
	2-3km W	Heard	1	Explosion	Undetermined	N/K	14-Sep, 11:08
About 1km NNE of Donetsk	1-2km NNE	Heard	30	Shots and bursts		Small arms	14-Sep, 13:35

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
central railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km NNE	Heard	1	Explosion	Undetermined	N/K	14-Sep, 13:40
Marinka (government controlled, 23km SW of Donetsk)	2-3km SW	Heard	21	Burst		Small arms	14-Sep, 13:01-13:05
	2-3km SW	Heard	27	Shot		Small arms	14-Sep, 13:01-13:05
	2-3km SE	Heard	12	Shot		Small arms	14-Sep, 13:22
Bohdanivka (government-controlled, 41km SW of Donetsk)	0.5km W	Heard	3	Burst	Assessed as outside of Petrivske disengagement area	Small arms	14-Sep, 09:50
	0.5km W	Heard	6	Explosion	Undetermined (Assessed as outside Petrivske disengagement area)	N/K	14-Sep, 11:13-11:15
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SE	Heard	2	Burst		HMG	13-Sep, 18:39
	1-3km SE	Heard	3	Burst		Small arms	13-Sep, 18:43
	2-4km SE	Heard	4	Explosion	Undetermined	N/K	13-Sep, 18:54
	1-3km SE	Heard	2	Burst		Small arms	13-Sep, 19:30
	1-2km SE	Heard	4	Burst		Small arms	13-Sep, 19:44
	1-2km SE	Heard	4	Shot		Small arms	13-Sep, 19:44
	1-3km SE	Heard	30	Burst		Small arms	13-Sep, 19:48-19:52
	2-4km SE	Heard	4	Explosion	Undetermined	N/K	13-Sep, 19:53
	1-2km SE	Heard	4	Shot		Small arms	13-Sep, 19:53
	2-3km SE	Heard	11	Burst		Small arms	13-Sep, 19:55
	1-2km SE	Heard	4	Shot		Small arms	13-Sep, 19:55
	2-3km S	Heard	18	Burst		Small arms	13-Sep, 19:57-19:59
	2-4km S	Heard	3	Explosion	Undetermined	N/K	13-Sep, 19:59
	2-3km S	Heard	34	Burst		Small arms	13-Sep, 20:00-20:03
	2-4km S	Heard	3	Explosion	Undetermined	N/K	13-Sep, 20:01
	2-3km S	Heard	2	Burst		Small arms	13-Sep, 20:05
	2-4km S	Heard	6	Explosion	Undetermined	N/K	13-Sep, 20:17
	1-3km S	Heard	2	Explosion	Undetermined	N/K	13-Sep, 20:20
	3-5km S	Heard	1	Explosion	Undetermined	N/K	13-Sep, 20:22
	2-3km SE	Heard	3	Burst		Small arms	13-Sep, 20:27
	2-3km SE	Heard	3	Burst		Small arms	13-Sep, 20:31
	6-8km ESE	Heard	2	Explosion	Undetermined	N/K	13-Sep, 20:32
	1-2km SE	Heard	5	Shot		Small arms	13-Sep, 20:36
	1-2km SSW	Heard	6	Shot		Small arms	13-Sep, 20:46
	1-2km SSW	Heard	6	Shot		Small arms	13-Sep, 20:48
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Sep, 21:11
	2-3km SE	Heard	6	Burst		Small arms	13-Sep, 21:34
	1-2km SE	Heard	4	Shot		Small arms	13-Sep, 21:36
	2-3km SE	Heard	9	Burst		Small arms	13-Sep, 21:37
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Sep, 21:38
	2-3km SSE	Heard	33	Burst		Small arms	13-Sep, 21:39-21:42
	1-2km SSE	Heard	3	Burst		Small arms	13-Sep, 21:45
	1-2km SSE	Heard	11	Burst		Small arms	13-Sep, 21:47-21:48
	1-2km SE	Heard	36	Burst		Small arms	13-Sep, 21:49-21:51
	1-2km SE	Heard	9	Shot		Small arms	13-Sep, 21:51
	1-2km SE	Heard	25	Burst		HMG	13-Sep, 21:54-21:55
	1-2km SE	Heard	10	Shot		Small arms	13-Sep, 21:55
	2-3km SE	Heard	13	Burst		Small arms	13-Sep, 21:55
	2-4km S	Heard	5	Explosion	Undetermined	N/K	13-Sep, 21:57
	2-3km S	Heard	32	Burst		Small arms	13-Sep, 21:57-21:58
	2-4km S	Heard	3	Explosion	Undetermined	N/K	13-Sep, 21:58
	2-4km S	Heard	1	Explosion	Undetermined	N/K	13-Sep, 21:59
	2-3km SSW	Heard	8	Burst		HMG	13-Sep, 22:00
	1-2km SSW	Heard	5	Burst		Small arms	13-Sep, 22:00
	2-4km SSW	Heard	2	Explosion	Undetermined	N/K	13-Sep, 22:01
	1-2km SSW	Heard	20	Shot		Small arms	13-Sep, 22:01-22:02
	1-3km SSW	Heard	3	Burst		Small arms	13-Sep, 22:02

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	13-Sep, 22:24
	2-3km SE	Heard	8	Burst		Small arms	13-Sep, 22:33
	2-3km SE	Heard	3	Burst		Small arms	13-Sep, 22:42
	1-2km SE	Heard	1	Shot		Small arms	13-Sep, 22:56
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Sep, 23:46
	2-3km S	Heard	2	Explosion	Undetermined	N/K	14-Sep, 07:55
	2-3km ESE	Heard	4	Burst		Small arms	14-Sep, 08:33
	3-5km SSW	Heard	1	Explosion	Undetermined	N/K	14-Sep, 12:05
S edge of Zolote-5/Mykhailivka (non-government-controlled, 58km NW of Luhansk)	1-2km NNW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area. The same ceasefire violations was recorded by SMM while in government-controlled areas)	N/K	14-Sep, 11:18-11:24
W edge of Smile (31km NW of Luhansk)	1-2km SW	Heard	24	Shot		Small arms	14-Sep, 12:58-13:04
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Sep, 21:25
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.8-1.2km S	Recorded	1	Muzzle flash		N/K	14-Sep, 23:15
	0.5-1km S	Recorded	3	Projectile	W to E	N/K	14-Sep, 23:29
	0.5-1km SSE	Recorded	4	Muzzle flash		N/K	14-Sep, 23:30
	0.3-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:30
	0.3-0.5km S	Recorded	2	Explosion	Undetermined	N/K	14-Sep, 23:30
	0.3-0.5km SSW	Recorded	4	Muzzle flash		N/K	14-Sep, 23:30
	0.3-0.5km S	Recorded	2	Projectile	W to E (subsequent to previous event)	N/K	14-Sep, 23:30
	0.3-0.5km S	Recorded	1	Projectile	W to E	N/K	14-Sep, 23:30
	0.3-0.5km SSW	Recorded	3	Muzzle flash		N/K	14-Sep, 23:31
	0.3-0.5km SSE	Recorded	3	Explosion	Undetermined	N/K	14-Sep, 23:31
	0.3-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:31
	0.3-0.5km S	Recorded	1	Projectile	W to E	N/K	14-Sep, 23:32
	0.3-0.5km SSW	Recorded	1	Muzzle flash		N/K	14-Sep, 23:32
	0.3-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:32
	0.5-1km SSE	Recorded	2	Explosion	Undetermined	N/K	14-Sep, 23:33
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:34
	0.3-0.5km SSW	Recorded	3	Explosion	Undetermined	N/K	14-Sep, 23:34
	0.3-0.5km SSW	Recorded	2	Muzzle flash		N/K	14-Sep, 23:34
	0.3-0.5km S	Recorded	2	Explosion	Undetermined	N/K	14-Sep, 23:35
	0.3-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:35
	0.5-1km S	Recorded	1	Projectile	W to E	N/K	14-Sep, 23:35
	0.2-0.4km S	Recorded	1	Muzzle flash		N/K	14-Sep, 23:38
	0.3-0.5km SSW	Recorded	16	Muzzle flash		N/K	15-Sep, 00:29
	0.3-0.5km SSW	Recorded	5	Explosion	Undetermined	N/K	15-Sep, 00:29
	0.5-0.8km S	Recorded	5	Explosion	Undetermined	N/K	15-Sep, 00:29
	0.3-0.8km S	Recorded	9	Projectile	WNW to ESE	N/K	15-Sep, 00:29
	0.3-0.8km SSW	Recorded	4	Muzzle flash		N/K	15-Sep, 00:30
	0.3-0.8km S	Recorded	19	Projectile	W to E	N/K	15-Sep, 00:30
	0.5-1km S	Recorded	5	Muzzle flash		N/K	15-Sep, 00:30
	0.3-1km SSE	Recorded	3	Explosion	Undetermined	N/K	15-Sep, 00:30
	0.5-1km SSE	Recorded	1	Muzzle flash		N/K	15-Sep, 00:31
	0.3-0.5km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 00:31
	0.3-1km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 00:31
	0.3-0.5km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 00:32
	0.7-1.2km S	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 00:32
	0.3-0.7km S	Recorded	25	Projectile	W to E	N/K	15-Sep, 00:32
	0.3-0.7km S	Recorded	11	Projectile	W to E	N/K	15-Sep, 00:33
	0.3-0.7km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 00:33
	0.3-0.7km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 00:33
	0.2-0.4km SSW	Recorded	4	Muzzle flash		N/K	15-Sep, 00:34
	0.8-1.2km S	Recorded	1	Explosion	Subsequent to previous event	N/K	15-Sep, 00:35
	0.3-0.6km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 00:35
	0.3-0.8km S	Recorded	2	Projectile	NW to SE (subsequent to previous event)	N/K	15-Sep, 00:35
	0.6-0.8km SSE	Recorded	2	Explosion	Subsequent to previous event	N/K	15-Sep, 00:35
	0.6-1km S	Recorded	2	Muzzle flash		N/K	15-Sep, 00:35

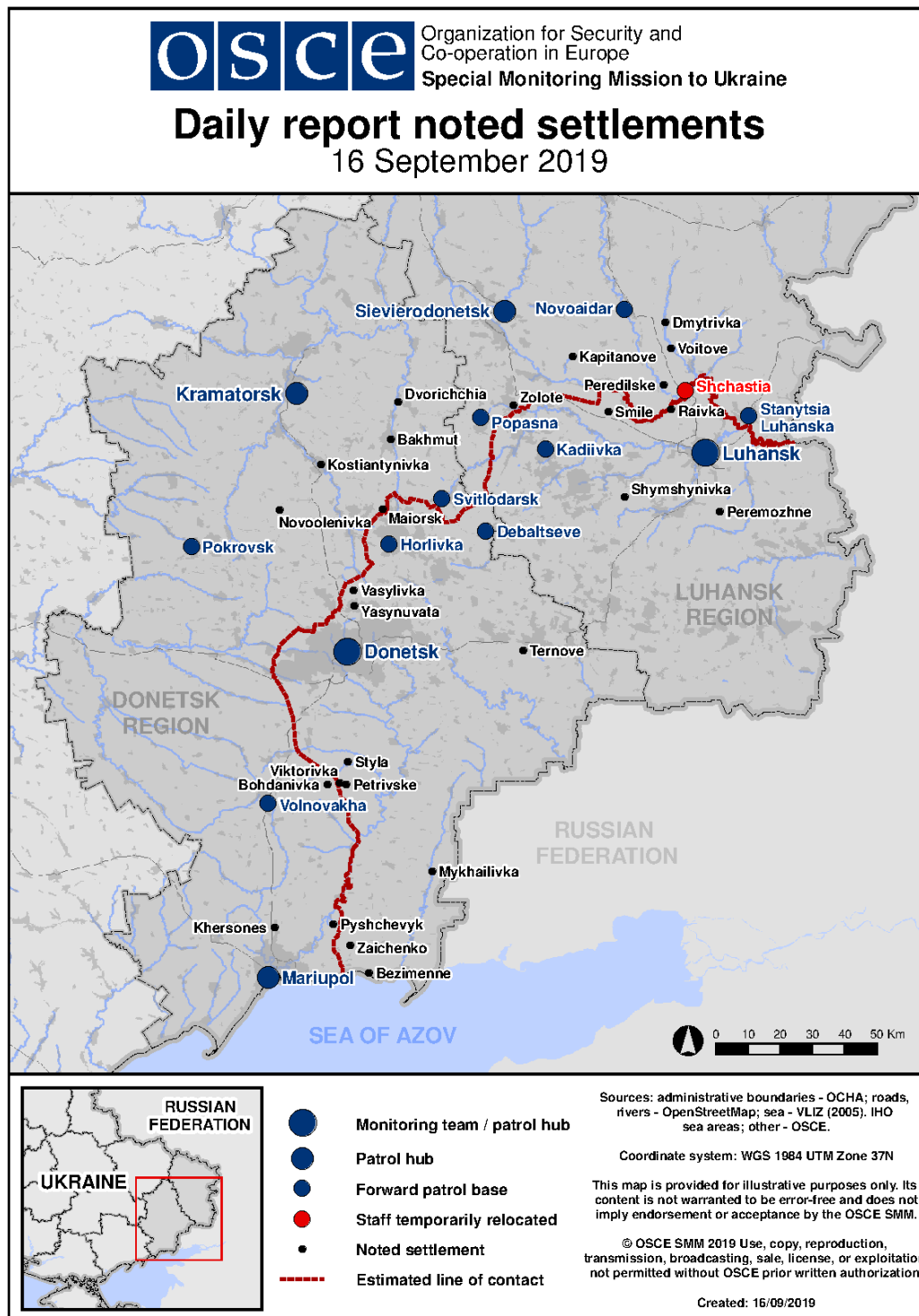
SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	0.6-1km S	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 00:35
	0.8-1km S	Recorded	1	Explosion	Subsequent to previous event	N/K	15-Sep, 00:35
	0.8-1km SSE	Recorded	1	Explosion	Airburst, Subsequent to previous event	N/K	15-Sep, 00:36
	0.3-1km S	Recorded	13	Explosion	Undetermined	N/K	15-Sep, 00:36
	0.3-0.5km SSW	Recorded	3	Explosion	Undetermined	N/K	15-Sep, 00:36
	0.7-1.5km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 00:36
	0.3-1km S	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 00:37
	0.6-1km SSE	Recorded	1	Explosion	Impact. Subsequent to previous event	N/K	15-Sep, 00:37
	0.2-0.4km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 00:39
	0.2-0.4km S	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	15-Sep, 00:39
	0.4-1km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 00:39
	0.8-1km S	Recorded	1	Projectile	SSW to NNE	N/K	15-Sep, 00:43
	0.3-0.5km S	Recorded	1	Muzzle flash		N/K	15-Sep, 00:43
	0.3-0.8km S	Recorded	3	Projectile	W to E	N/K	15-Sep, 00:44
	0.3-0.7km S	Recorded	1	Muzzle flash		N/K	15-Sep, 00:45
	0.5-1km S	Recorded	1	Burst	SE to NW (approximately 25 rounds)	N/K	15-Sep, 00:45
	1-2km S	Recorded	1	Projectile	N to S	N/K	15-Sep, 00:46
	0.5-1km S	Recorded	2	Projectile	NW to SE	N/K	15-Sep, 00:47
	0.5-1km S	Recorded	1	Muzzle flash		N/K	15-Sep, 00:47
	0.5-1km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 00:49
	0.4-1km S	Recorded	7	Projectile	ESE to WNW	N/K	15-Sep, 00:49
	0.3-0.5km S	Recorded	2	Muzzle flash		N/K	15-Sep, 00:49
	0.5-1km S	Recorded	3	Muzzle flash		N/K	15-Sep, 00:50
	0.5-1km S	Recorded	4	Projectile	E to W	N/K	15-Sep, 00:50
	0.5-1km S	Recorded	6	Projectile	E to W	N/K	15-Sep, 00:51
	0.4-0.8km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 00:54
	0.4-0.8km S	Recorded	3	Projectile	W to E	N/K	15-Sep, 01:05
	0.2-0.4km S	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:05
	0.4-0.8km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 01:06
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:06
	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:09
	1-2km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	15-Sep, 01:12
	0.2-0.5km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:17
	0.2-0.5km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:21
	0.2-0.4km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 01:29
	0.6-0.8km SSW	Recorded	1	Muzzle flash		N/K	15-Sep, 01:29
	0.5-0.8km S	Recorded	4	Explosion	Undetermined	N/K	15-Sep, 01:31
	0.8-1km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:31
	0.2-0.4km SSW	Recorded	6	Muzzle flash		N/K	15-Sep, 01:31
	0.6-0.8km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 01:31
	0.2-0.5km SSW	Recorded	5	Explosion	Undetermined	N/K	15-Sep, 01:31
	0.8-1km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:32
	0.6-0.8km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:32
	0.2-0.4km SSW	Recorded	2	Muzzle flash		N/K	15-Sep, 01:32
	0.6-0.8km S	Recorded	1	Muzzle flash		N/K	15-Sep, 01:32
	0.6-0.8km S	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:33
	0.6-0.8km S	Recorded	1	Muzzle flash		N/K	15-Sep, 01:33
	0.2-0.4km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:33
	0.2-0.7km S	Recorded	1	Projectile	WNW to ESE	N/K	15-Sep, 01:33
	0.2-0.4km SSW	Recorded	3	Explosion	Undetermined	N/K	15-Sep, 01:35
	0.2-0.4km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 01:36
	0.2-0.4km SSW	Recorded	1	Muzzle flash		N/K	15-Sep, 01:36
	0.2-0.4km SSW	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 01:37
	0.2-0.4km SSW	Recorded	1	Muzzle flash		N/K	15-Sep, 01:37
	0.2-0.5km S	Recorded	1	Projectile		N/K	15-Sep, 01:37
	0.8-1km SSE	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:38
	0.8-1km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 01:38
	0.8-1km SSE	Recorded	2	Explosion	Undetermined	N/K	15-Sep, 01:40
	0.8-1km SSE	Recorded	1	Muzzle flash		N/K	15-Sep, 01:43
	0.8-1km S	Recorded	1	Illumination flare	In vertical flight	N/K	15-Sep, 01:43
	0.6-0.8km SSW	Recorded	1	Muzzle flash		N/K	15-Sep, 01:43
	0.4-0.6km SSW	Recorded	1	Muzzle flash		N/K	15-Sep, 01:46
	0.8-1km SSE	Recorded	1	Muzzle flash		N/K	15-Sep, 01:47
	0.8-1km SSE	Recorded	1	Illumination flare	In vertical flight	N/K	15-Sep, 01:47

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	0.2-0.4km SSW	Recorded	1	Explosion	Outgoing	N/K	15-Sep, 01:49
	0.2-0.4km SSW	Recorded	2	Explosion	Outgoing	N/K	15-Sep, 01:50
	0.8-1.2km SSE	Recorded	1	Illumination flare		N/K	15-Sep, 01:54
	0.2-0.4km SSW	Recorded	1	Explosion	Outgoing	N/K	15-Sep, 01:55
	0.6-0.8km SSE	Recorded	2	Explosion	Impact	N/K	15-Sep, 01:55
	0.4-0.6km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Sep, 02:09
	0.5-1.5km SSW	Recorded	1	Projectile	NW to SE	N/K	15-Sep, 02:32
	0.5-1.5km SSW	Recorded	6	Projectile	W to E	N/K	15-Sep, 02:48
	0.8-1.2km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 02:49
	0.8-1.5km SSW	Recorded	1	Projectile	NNW to SSE	N/K	15-Sep, 02:49
	1-2km SSW	Recorded	2	Projectile	NNW to SSE	N/K	15-Sep, 02:49
	0.5-1.5km SSW	Recorded	1	Projectile	NNW to SSE	N/K	15-Sep, 03:07
	0.8-1km S	Recorded	4	Projectile	WNW to ESE	N/K	15-Sep, 03:51
	0.8-1km S	Recorded	4	Projectile	WNW to ESE	N/K	15-Sep, 03:52
	0.8-1km S	Recorded	1	Projectile	WNW to ESE	N/K	15-Sep, 04:21
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km E	Recorded	1	Projectile	NW to SE	N/K	14-Sep, 22:37
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	15-Sep, 03:32
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Explosion	Airburst	N/K	14-Sep, 22:06
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	14-Sep, 22:06
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-4km E	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 21:46
	3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 21:46
	1-3km ENE	Recorded	2	Projectile	N to S	N/K	14-Sep, 21:46
	1-3km ESE	Recorded	3	Explosion	Undetermined	N/K	14-Sep, 23:13
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:15
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	14-Sep, 23:34
	3-4km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:34
	3-4km ENE	Recorded	1	Burst	SW to NE (approximately 20 rounds)	N/K	14-Sep, 23:44
	1-3km ENE	Recorded	1	Projectile	NNW to SSE	N/K	15-Sep, 00:11
	1-3km E	Recorded	3	Projectile	N to S	N/K	15-Sep, 02:37
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km E	Recorded	16	Projectile	N to S	N/K	15-Sep, 02:38
	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 22:50
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 25km NE of Mariupol)	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Sep, 23:17
	4-6km S	Recorded	5	Projectile	NE to SW	N/K	14-Sep, 02:33
	4-6km SSE	Recorded	1	Projectile	NE to SW	N/K	14-Sep, 02:54
	4-6km SSE	Recorded	1	Projectile	NE to SW	N/K	14-Sep, 03:29
	4-6km S	Recorded	7	Projectile	NW to SE	N/K	14-Sep, 03:29
	4-6km S	Recorded	6	Projectile	NW to SE	N/K	14-Sep, 03:32
	4-6km S	Recorded	1	Projectile	NW to SE	N/K	14-Sep, 03:38
	4-6km S	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	14-Sep, 03:38
	4-6km S	Recorded	3	Projectile	NE to SW	N/K	14-Sep, 03:58
	4-6km S	Recorded	2	Projectile	NE to SW	N/K	14-Sep, 04:02
	4-6km S	Recorded	3	Projectile	W to E	N/K	14-Sep, 04:57
	4-6km S	Recorded	1	Projectile	NE to SW	N/K	14-Sep, 04:57
	4-6km S	Recorded	2	Projectile	E to W	N/K	14-Sep, 20:35
	4-6km SSE	Recorded	1	Projectile	NE to SW	N/K	14-Sep, 20:35
	4-6km S	Recorded	4	Projectile	W to E	N/K	14-Sep, 20:35
	4-6km S	Recorded	5	Projectile	W to E	N/K	14-Sep, 20:39
	4-6km S	Recorded	5	Projectile	NE to SW	N/K	14-Sep, 20:52
	4-6km S	Recorded	4	Projectile	W to E	N/K	14-Sep, 20:52
	4-6km S	Recorded	2	Projectile	NNW to SSE	N/K	14-Sep, 20:52
	4-6km S	Recorded	16	Projectile	W to E	N/K	14-Sep, 20:53
	4-6km S	Recorded	6	Projectile	ENE to WSW	N/K	14-Sep, 20:53
	4-6km S	Recorded	2	Projectile	NNW to SSE	N/K	14-Sep, 22:54
	4-6km S	Recorded	2	Projectile	W to E	N/K	14-Sep, 22:57
	4-6km S	Recorded	1	Projectile	W to E	N/K	14-Sep, 22:58
	4-6km S	Recorded	5	Projectile	W to E	N/K	14-Sep, 22:59
	4-6km S	Recorded	2	Projectile	W to E	N/K	14-Sep, 23:09
	4-6km SSE	Recorded	3	Projectile	W to E	N/K	14-Sep, 23:25
	4-6km SSE	Recorded	1	Projectile	W to E	N/K	14-Sep, 23:29
	4-6km SSE	Recorded	3	Projectile	W to E	N/K	14-Sep, 23:33
	4-6km SSE	Recorded	2	Projectile	NNE to SSW	N/K	14-Sep, 23:33
	4-6km SSE	Recorded	5	Projectile	W to E	N/K	14-Sep, 23:34

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km SSE	Recorded	3	Projectile	NNW to SSE	N/K	14-Sep, 23:34
	4-6km SSE	Recorded	1	Projectile	NNE to SSW	N/K	14-Sep, 23:36
	4-6km SSE	Recorded	1	Projectile	NNW to SSE	N/K	14-Sep, 23:36
	4-6km SSE	Recorded	1	Projectile	W to E	N/K	14-Sep, 23:36
	4-6km S	Recorded	2	Projectile	E to W	N/K	14-Sep, 23:59
	4-6km SSE	Recorded	2	Projectile	ENE to WSW	N/K	15-Sep, 00:47
	4-6km SSE	Recorded	9	Projectile	W to E	N/K	15-Sep, 01:17
	4-6km SSE	Recorded	4	Projectile	E to W	N/K	15-Sep, 01:20
	4-6km S	Recorded	1	Projectile	W to E	N/K	15-Sep, 01:45
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km ENE	Recorded	17	Projectile	N to S	N/K	14-Sep, 20:55
About 1km , NNE of Donetsk central railway station(non-government-controlled, 6km NW of Donetsk)	1km N	Heard	2	Burst		Small arms	15-Sep, 10:04
	1km N	Heard	5	Shot		Small arms	15-Sep, 10:04
	1km N	Heard	3	Burst		Small arms	15-Sep, 11:06
	3km NW	Heard	4	Shot		Small arms	15-Sep, 11:18
	2.5-3km NE	Heard	3	Shot		Small arms	15-Sep, 11:24
	3km SW	Heard	1	Shot		Small arms	15-Sep, 12:27
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	15-Sep, 12:29
	4-5km W	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:35
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:37
	4km SW	Heard	1	Explosion	Undetermined	N/K	15-Sep, 12:39
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3km SW	Heard	1	Shot		Small arms	15-Sep, 12:45
	4-5km W	Heard	2	Explosion	Undetermined	N/K	15-Sep, 12:55
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WNW	Heard	2	Shot		Small arms	15-Sep, 09:05
	2-3km WNW	Heard	3	Shot		Small arms	15-Sep, 09:11-09:14
About 1km W of Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 29km NE of Mariupol)	1-2km NW	Heard	Uncountable	Shots and bursts	Undetermined (Also HMG)	Small arms	15-Sep, 13:49
Svitlodarsk FPB (government-controlled, 57km NE of Donetsk)	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	14-Sep, 20:51
	2-3km E	Heard	8	Burst		Small arms	14-Sep, 22:13
	2-3km E	Heard	4	Burst		Small arms	14-Sep, 22:52
	2-3km E	Heard	7	Burst		Small arms	14-Sep, 22:54
	3-5km E	Heard	1	Explosion	Undetermined	N/K	14-Sep, 22:54
	6-8km E	Heard	7	Explosion	Undetermined	N/K	14-Sep, 23:15-23:16
	6-8km SSE	Heard	7	Explosion	Undetermined	N/K	14-Sep, 23:16-23:17
	6-8km SSW	Heard	17	Explosion	Undetermined	N/K	14-Sep, 23:54-23:58
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	15-Sep, 17:57
Horlivka FPB (non-government-controlled, 39km NE of Donetsk)	4-6km NW	Heard	10	Explosion	Undetermined	N/K	14-Sep, 23:14-23:16
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	14-Sep, 23:35-23:36
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	14-Sep, 23:45-23:46
	4-6km NW	Heard	22	Explosion	Undetermined	N/K	14-Sep, 23:49-23:54
	4-6km NW	Heard	8	Explosion	Undetermined	N/K	14-Sep, 23:55-23:57
	4-6km NW	Heard	6	Explosion	Undetermined	N/K	15-Sep, 00:02-00:03
	4-6km NW	Heard	3	Explosion	Undetermined	N/K	15-Sep, 00:15-00:17
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	15-Sep, 00:17-00:18
	4-6km NW	Heard	23	Burst		HMG	15-Sep, 00:30-00:33
	4-6km NW	Heard	6	Explosion	Undetermined	N/K	15-Sep, 00:33-00:34
	4-6km NW	Heard	18	Burst		HMG	15-Sep, 00:33-00:35
	4-6km NW	Heard	6	Explosion	Undetermined	N/K	15-Sep, 00:37-00:38
	4-6km NW	Heard	20	Burst		HMG	15-Sep, 00:39-00:40

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	15-Sep, 00:43-00:44
	4-6km NW	Heard	6	Burst		HMG	15-Sep, 00:44-00:46
	2-4km NW	Heard	35	Burst		HMG	15-Sep, 08:15-08:30
N edge of Popasna (government-controlled, 69km W of Luhansk)	10-15km S	Heard	43	Explosion	Undetermined	N/K	14-Sep, 23:30-00:05

Map of Donetsk and Luhansk regions¹³



¹³ 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).