



Daily Report 268/2019

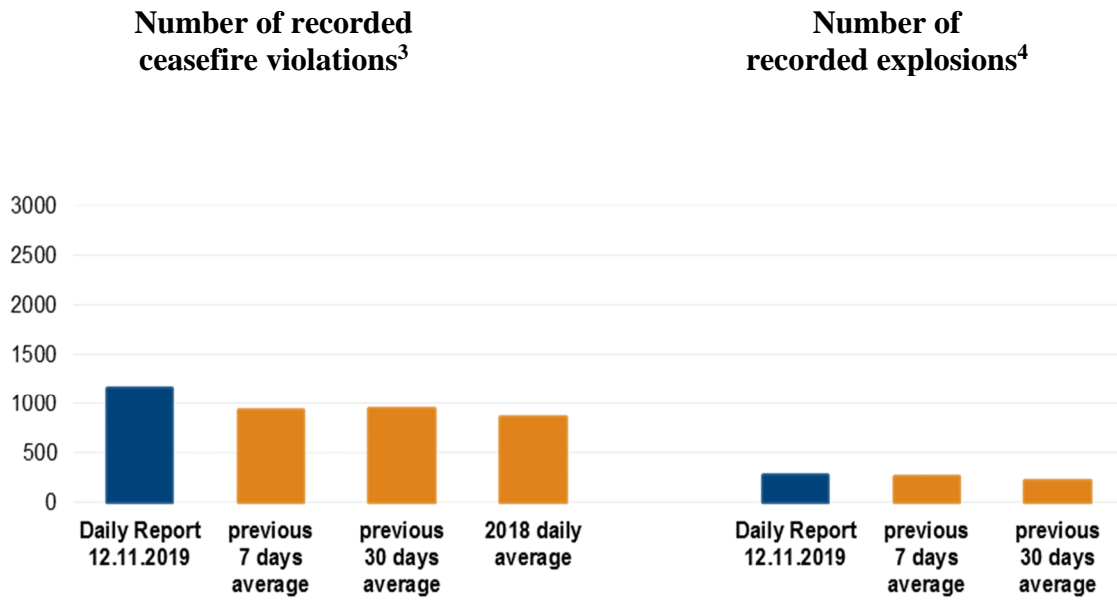
12 November 2019¹

Summary

- Compared with the previous 24 hours, the SMM recorded more ceasefire violations in Donetsk region and fewer in Luhansk region.
- The SMM observed further withdrawal of Ukrainian Armed Forces from the Petrivske disengagement area.
- The Mission continued to observe demining activities inside the Zolote disengagement area.
- Inside the Stanytsia Luhanska disengagement area, the Mission continued to observe construction works at the broken section of the bridge.
- Small-arms fire was assessed as directed at an SMM mini-unmanned aerial vehicle near non-government-controlled Metalist in Luhansk region.
- The SMM observed weapons in violation of withdrawal lines in a non-government-controlled area of Luhansk region.
- The SMM continued to facilitate the operation of the Donetsk Filtration Station; it also facilitated and monitored adherence to the ceasefire to facilitate repair works at the Phenol Sludge Reservoir near Zalizne and to the Bakhmut Agrarian Union's pig farm near Novoluhanske.
- The SMM monitored a protest against liquidation of assets of the Ukrainian Orthodox Church of Kyiv Patriarchate.
- Restrictions of the Mission's freedom of movement continued, including at checkpoints near non-government-controlled Verkhnohyrokyvske and Metalist.*

¹ Based on information from the Monitoring Teams as of 19:30, 11 November 2019. All times are in Eastern European Time.

Ceasefire violations²



Map of recorded ceasefire violations

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

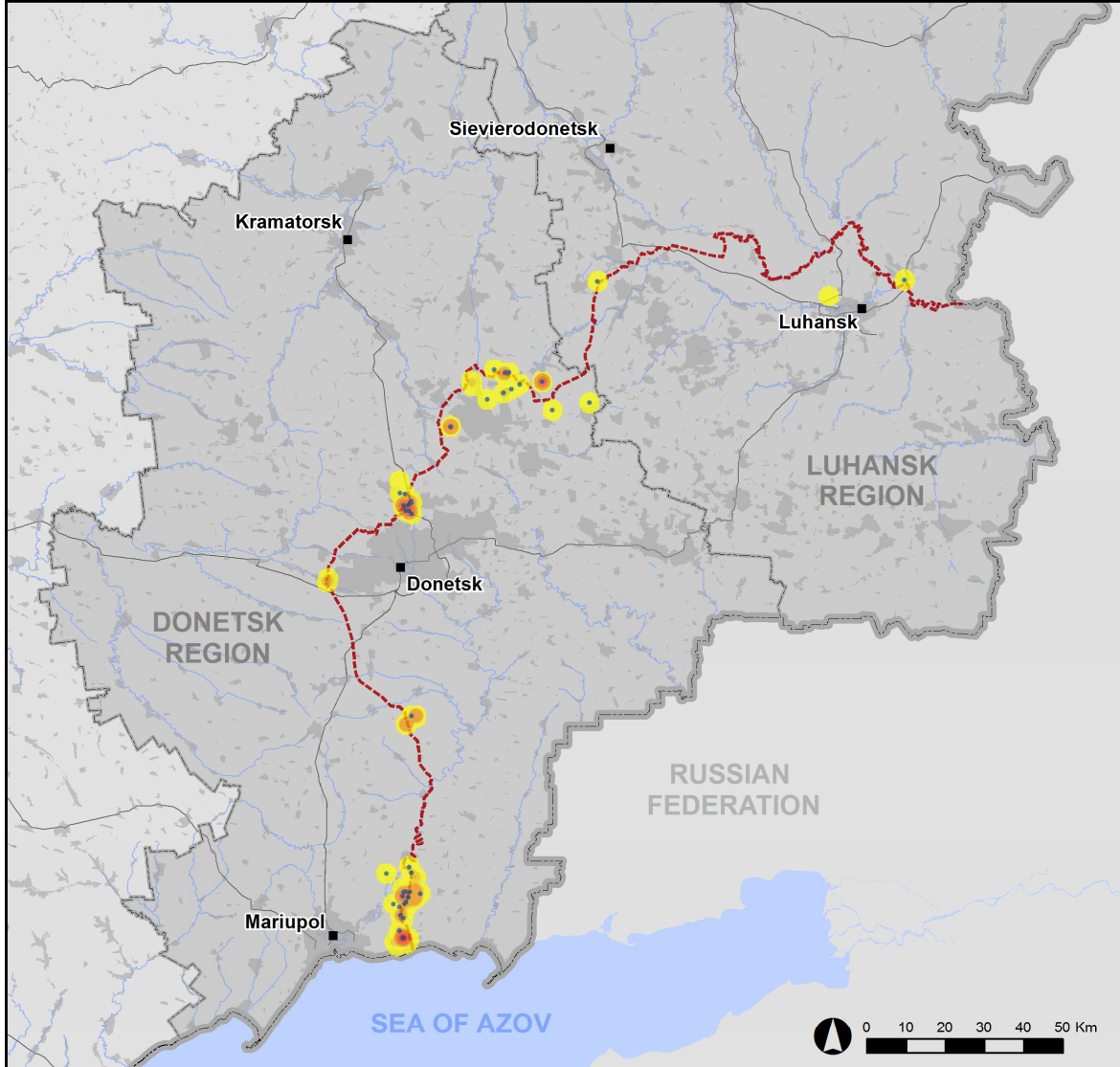
³ Including explosions.

⁴ Including from unidentified weapons.

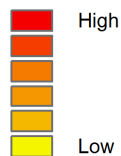


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 11 November 2019



Ceasefire violation concentration



- Explosion
- Settlement
- Estimated line of contact

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

Coordinate System: WGS 1984 UTM Zone 37N

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

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Created: 12/11/2019

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (about 210), compared with the [previous 24 hours](#) (about 115 explosions). The majority of ceasefire violations were recorded in areas north of Shyrokyne (government-controlled, 100km south of Donetsk), south-east of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and south-east of Avdiivka (government-controlled, 17km north of Donetsk).

In Luhansk region, the SMM recorded fewer ceasefire violations, including fewer explosions (two), compared with the [previous 24 hours](#) (about 50 explosions). All ceasefire violations were recorded in areas north-west of Metalist (non-government-controlled, 7km north-west of Luhansk), east-south-east of Popasna (government-controlled, 69km west of Luhansk) and north-east of Stanytsia Luhanska bridge (15km west of Luhansk) (see below).

Disengagement process at the Petrivske disengagement area⁵

On 10 November, outside the disengagement area **near Petrivske** (non-government-controlled, 41km south of Donetsk), about 330m west of its western edge and about 400m south of 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 an infantry fighting vehicle (IFV) (BMP-2) under a camouflage net. About 400m north of the road, the UAV [again](#) spotted an IFV (BMP-2). The UAV also spotted an IFV (BMP-2) about 460m north-west of the north-west corner of the disengagement area.

On 11 November, between 14:03 and 14:30, positioned 1.5km east of Bohdanivka, the SMM saw Ukrainian Armed Forces personnel, together with their weapons, exiting the disengagement area in two trucks and heading west. The Mission also saw three IFVs (BMP-2) under camouflage net in a residential area of Bohdanivka, outside the disengagement area.

On the same day, positioned about 2km north of Petrivske, the SMM heard 46 shots and bursts of small-arms and heavy-machine-gun fire, all at an assessed range of 1-2km south, all assessed as outside the disengagement area but within its 5km periphery. While at the same location, it also heard an undetermined explosion, at an assessed range of 1-2km south-west (unable to assess whether outside or inside the disengagement area). Positioned 2km east of Bohdanivka, the SMM heard 43 shots and bursts of small-arms and heavy-machine-gun fire, all at an assessed range of 2-3km south-east (unable to assess whether outside or inside the disengagement area).

Disengagement areas near Zolote and Stanytsia Luhanska

On 11 November, at the checkpoint of the armed formations on the southern edge of the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk), the SMM saw three members of the armed formations (wearing armbands with “JCCC” written on them), 17 workers and four deminers from non-government-controlled areas entering the disengagement area on road T-1316. The Mission observed workers cutting vegetation on the east side of the road, about 500-600m north of the aforesaid checkpoint and deminers checking the area east of the road with metal detectors about 100-200m further north. The SMM also saw five members of the armed formations (wearing armbands with “JCCC” written on them)

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

near the blue container south of the abovementioned checkpoint, outside the disengagement area.

On 11 November, inside the **disengagement area near Stanytsia Luhanska** (16km north-east of Luhansk), the SMM saw 19 workers from government-controlled welding a deck at the broken section of Stanytsia Luhanska bridge and applying a layer of crushed basalt onto it.

The Mission saw up to seven members of the armed formations (wearing armbands with “JCCC” written on them) between the broken section of the bridge and the checkpoint of the armed formations south of the bridge.

During the afternoon of the same day, while positioned at the Stanytsia Luhanska bridge, the SMM heard an undetermined explosion, at an assessed range of 1.5-2km north-east, assessed as outside the disengagement area but within its 5km periphery.

Small-arms fire assessed as directed at an SMM mini-UAV south-west of Metalist

On 11 November, positioned on road H-21 about 3km south-west of Metalist, while conducting a mini-UAV flight, the SMM heard five shots of small-arms fire about 600-800m north-west, assessed as aimed at the UAV, which was flying about 1.2km north-west of the SMM’s position. The SMM safely landed the UAV and left the area (for previous observations in the area, see [SMM Daily Report 6 November 2019](#)).*

Withdrawal of weapons

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

The Mission observed eight weapons in violation of withdrawal lines in a non-government-controlled area of Luhansk region. It also observed weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Donetsk and Luhansk regions and in non-government-controlled areas of Luhansk region (for further details, see the tables below).

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

The SMM observed military and military-type presence inside the security zone on both sides of the contact line in Luhansk region and in government-controlled areas of Donetsk region, including 11 armoured combat vehicles in a compound in the south-eastern area of Luhansk city (for further details, see the table below).

On the evening of 10 November, while positioned at the northern edge of Popasna, the SMM heard a sound of a small propeller aircraft, flying west to east about 300m above the SMM’s position.

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

Border areas outside government control

On 11 November, while at a border crossing point near Uspenka (73km south-east of Donetsk) for an hour, the SMM saw 25 cars (six with Ukrainian, five with Russian Federation, one with Lithuanian and one with Georgian licence plates, as well as 12 with “DPR” plates), three covered cargo trucks and a bus (with “DPR” plates) and seven pedestrians (women, mixed ages) entering Ukraine. It also saw 45 cars (13 with Ukrainian and 16 with Russian Federation licence plates, as well as 16 with “DPR” plates) and six covered cargo trucks (five with Ukrainian licence plates and one with “DPR” plates) exiting Ukraine.

SMM facilitation of operation of and repairs and maintenance works to critical civilian infrastructure

The SMM continued to facilitate the operation of the Donetsk Filtration Station (DFS) (15km north of Donetsk). Despite security guarantees having been provided, positioned in and near Yasynuvata (non-government-controlled, 16km north-east of Donetsk) and at the DFS, the SMM heard ceasefire violations in the area (see the ceasefire violations table below).

The Mission monitored adherence to the ceasefire to facilitate maintenance of the Phenol Sludge Reservoir near Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk) and repairs to the Bakhmut Agrarian Union's pig farm near Novoluhanske (government-controlled, 42km north-east of Donetsk).

Protest in Kyiv against liquidation of assets of the Ukrainian Orthodox Church of Kyiv Patriarchate

The Mission monitored an appeal at the 6th Administrative Court of Appeal in Kyiv pertaining to the liquidation of assets belonging to the Ukrainian Orthodox Church of Kyiv Patriarchate and the merging of its assets with the Orthodox Church of Ukraine. The Mission saw 10 people (women and men, most in their fifties) make their way past five members of the Ukrainian National Guard in an attempt to gain entry into the court room. The SMM saw the arrival of 15 National Guard officers and additional court security, and saw a member of the court security spray pepper spray towards the protesters. Afterwards, 20 anti-riot police officers detained five male protestors, including a priest, and the head of a human rights non-governmental organization. At the conclusion of the court proceedings, the SMM saw about 100 protesters (women and men, most in their fifties), including 12 members of the clergy, who after an initial scuffle with police officers present were allowed to march from the court towards the Office of the President unescorted. Upon arrival at the Office of the President, the protestors stated their intentions to remain there indefinitely, in rotating shifts, until their concerns were addressed by the President. The SMM observed 16 police officers nearby.

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

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

The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from

day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and Co-ordination (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 26 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.

Denial of access:

- At a checkpoint near Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), on two occasions, one and three members of the armed formations, respectively, [again](#) denied the SMM passage, citing "the need for prior permission from their superiors".
- At a checkpoint near Metalist (non-government-controlled, 7km north-west of Luhansk), an armed member of the armed formations denied the SMM passage.

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.

Delay:

- A member of the armed formations allowed the SMM to proceed through the abovementioned checkpoint near Verkhnohyrokiivske only after about 25 minutes of waiting.

Other impediments:

- On the evening of 10 November, an SMM long-range UAV experienced signal interference, assessed as due to probable jamming, while flying between Stepanivka (government-controlled, 54km north of Donetsk) and Rozivka (government-controlled, 32km north of Donetsk).⁷
- On 11 November, positioned on road H-21 about 3km south-west of Metalist (non-government-controlled, 7km north-west of Luhansk), while conducting a mini-UAV flight, the SMM heard five shots of small-arms fire about 600-800m north-west, assessed as aimed at the UAV. The SMM landed the UAV safely.
- On 11 November, SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming, on two occasions while flying near Novohnativka (government-controlled, 40km south of Donetsk) and on one occasion while flying near Bohdanivka (government-controlled, 41km south-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 weapon	Location	Source of observation
Non-government-controlled areas				
10/11/2019	8	Tank (T-72 and T-64)	A compound in the south-eastern area of Luhansk city	Mini-UAV

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
10/11/2019	4	Surface-to-air missile system (9K33 <i>Osa</i>)	Train station in Rubizhne (84km north-west of Luhansk)	Mini-UAV
11/10/2019	2	Tank (type undetermined)	Near Zaliznianske (79km north of Donetsk)	Patrol
Non-government-controlled areas				
08/11/2019	27	Tank (type undetermined)	In a training area near Kruhlyk (31km south-west of Luhansk)	Aerial imagery
	12	Tank (type undetermined)	In a training area near Myrne (28km south-west of Luhansk)	
	9	Towed howitzer (type undetermined)		

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

Date	No.	Type	Location	Source of observation
Government-controlled areas				
11/10/2019	1	Armoured reconnaissance vehicle (BRDM-2) with a heavy-machine-gun	In Trokhizbenka (32km north-west of Luhansk)	Patrol
	2	Armoured reconnaissance vehicle (BRDM-2)	In and near Nevelske (18km north-west of Donetsk)	Patrol
	3	Infantry fighting vehicles (BMP-1)		
	1	Armoured personnel carrier (MT-LB)		
Non-government-controlled areas				
10/11/2019	1	Armoured combat vehicle	Near Lobacheve (13km east of Luhansk)	Mini-UAV
	1	Armoured personnel carrier (MT-LB)		
	3	Infantry fighting vehicle (BMP variant)		
	2	Armoured recovery vehicle (VT-55)	A compound in the south-eastern area of Luhansk city	
	2	Combat engineering vehicle (BAT-M)		
	5	Armoured personnel carrier (MT-LB)		
	1	Armoured recovery vehicle (BTS-4A)		

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

	1	Combat engineering vehicle (BAT-2)		
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Table of ceasefire violations as of 11 November 2019⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	5	Projectile	ENE to WSW	N/K	10-Nov, 21:21
	2-4km SSE	Recorded	1	Explosion	Impact	N/K	10-Nov, 21:21
	4-5km SSE	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 21:49
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	200-500m SSE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:50
	0.8-1km SSW	Recorded	3	Projectile	NW to SE	N/K	10-Nov, 19:50
	500-800m S	Recorded	1	Projectile	NW to SE	N/K	10-Nov, 19:50
	1-2km SSW	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 19:54
	0.5-1km S	Recorded	1	Projectile	WNW to ESE	N/K	11-Nov, 00:05
	0.5-1km S	Recorded	1	Explosion	Subsequent to previous event	N/K	11-Nov, 00:05
	400-700m SSW	Recorded	3	Muzzle flash		N/K	11-Nov, 02:51
	400-700m SSW	Recorded	5	Muzzle flash		N/K	11-Nov, 02:58
	400-700m SSW	Recorded	2	Muzzle flash		N/K	11-Nov, 03:08
	400-700m SSW	Recorded	4	Muzzle flash		N/K	11-Nov, 03:13
	400-700m SSW	Recorded	3	Muzzle flash		N/K	11-Nov, 03:36
	0.6-1km S	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 03:36
	400-700m SSW	Recorded	2	Muzzle flash		N/K	11-Nov, 03:44
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 03:47
	400-700m SSW	Recorded	6	Muzzle flash		N/K	11-Nov, 04:17
0.6-1km SSE	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 04:17	
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km E	Recorded	1	Projectile	SW to NE (also recorded by the SMM cameras in Chermalyk and Shyrokyne)	N/K	10-Nov, 20:08

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.

	3-5km E	Recorded	4	Projectile	NNW to SSE (also recorded by the SMM cameras in Chermalyk and Shyrokyne)	N/K	10-Nov, 20:08
	3-5km E	Recorded	3	Explosion	Impact (also recorded by the SMM cameras in Chermalyk and Shyrokyne)	N/K	10-Nov, 20:08
	2-4km E	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 20:09
	2-4km E	Recorded	1	Projectile	NNW to SSE	N/K	10-Nov, 20:09
	3-5km E	Recorded	3	Explosion	Also recorded by the SMM cameras in Chermalyk and Shyrokyne	N/K	10-Nov, 20:10
	3-5km E	Recorded	1	Projectile	NNW to SSE (also recorded by the SMM cameras in Chermalyk and Shyrokyne)	N/K	10-Nov, 20:10
	3-5km E	Recorded	1	Explosion	Also recorded by the SMM cameras in Chermalyk and Shyrokyne	N/K	10-Nov, 20:13
	3-5km E	Recorded	1	Explosion	Also recorded by the SMM cameras in Chermalyk and Shyrokyne	N/K	10-Nov, 20:15
	3-5km ESE	Recorded	1	Projectile	SW to NE	N/K	10-Nov, 20:16
	3-5km ESE	Recorded	1	Explosion	Impact	N/K	10-Nov, 20:16
	4-6km SE	Recorded	5	Projectile	SW to NE	N/K	10-Nov, 20:59
	3-5km SE	Recorded	2	Projectile	SSW to NNE	N/K	10-Nov, 22:16
	3-5km SE	Recorded	4	Projectile	SSW to NNE	N/K	10-Nov, 22:17
	3-5km SE	Recorded	1	Projectile	SSW to NNE	N/K	10-Nov, 22:18
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 22:18
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	10-Nov, 22:19
	3-5km ESE	Recorded	1	Projectile	NW to SE	N/K	10-Nov, 22:19
	3-5km ESE	Recorded	2	Projectile	SSW to NNE	N/K	10-Nov, 22:20
	3-5km ESE	Recorded	1	Projectile	SSW to NNE	N/K	10-Nov, 22:21
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 20:58
	4-6km ENE	Recorded	5	Projectile	SSW to NNE	N/K	10-Nov, 20:58
	4-6km ENE	Recorded	3	Projectile	W to E	N/K	10-Nov, 20:59
	4-6km ENE	Recorded	5	Projectile	SSW to NNE	N/K	10-Nov, 21:00
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 21:03
	4-6km ENE	Recorded	1	Projectile	SSW to NNE	N/K	10-Nov, 21:03
	4-6km ENE	Recorded	1	Burst	N to S (approximately 10 rounds)	N/K	10-Nov, 21:05
	4-6km ENE	Recorded	3	Projectile	N to S	N/K	10-Nov, 21:06
	4-6km ENE	Recorded	4	Projectile	N to S	N/K	10-Nov, 21:07
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 21:10
	4-6km ENE	Recorded	1	Projectile	N to S	N/K	10-Nov, 21:11
	4-6km E	Recorded	1	Projectile	W to E	N/K	10-Nov, 21:13
	SMM camera at entry-exit checkpoint in	2-4km ENE	Recorded	1	Illumination flare	NW to SE	N/K
2-4km E		Recorded	1	Projectile	N to S	N/K	10-Nov, 19:11

Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	1	Illumination flare	W to E	N/K	10-Nov, 19:23
	2-4km ENE	Recorded	1	Illumination flare	NW to SE	N/K	10-Nov, 19:31
	2-4km ENE	Recorded	1	Illumination flare	NW to SE	N/K	10-Nov, 22:14
	2-4km ENE	Recorded	1	Illumination flare	NW to SE	N/K	10-Nov, 22:25
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 22:29
	2-4km ENE	Recorded	1	Illumination flare	NW to SE	N/K	10-Nov, 22:32
	2-4km ENE	Recorded	1	Illumination flare	W to E	N/K	10-Nov, 22:34
	2-4km ENE	Recorded	1	Illumination flare	W to E	N/K	10-Nov, 22:39
	2-4km E	Recorded	1	Projectile	N to S	N/K	10-Nov, 22:42
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	2	Projectile	SW to NE	N/K	10-Nov, 20:17
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	10-Nov, 20:17
	2-4km NNE	Recorded	2	Projectile	SSW to NNE	N/K	10-Nov, 22:41
	2-4km NNE	Recorded	1	Projectile	SW to NE	N/K	10-Nov, 22:45
SMM camera at entry-exit checkpoint in Pyshchevyk (government-controlled, 84km S of Donetsk)	3-5km ESE	Recorded	5	Projectile	WSW to ENE	N/K	10-Nov, 21:46
	3-5km ENE	Recorded	7	Projectile	WSW to ENE	N/K	10-Nov, 22:23
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	10-Nov, 22:23
	3-5km ESE	Recorded	16	Projectile	SW to NE	N/K	10-Nov, 22:25
	3-5km ENE	Recorded	4	Projectile	NW to SE	N/K	10-Nov, 22:47
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	5	Projectile	In vertical flight	N/K	10-Nov, 17:58
	3-5km N	Recorded	1	Projectile	E to W	N/K	10-Nov, 18:01
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:01
	3-5km N	Recorded	15	Projectile	E to W	N/K	10-Nov, 18:02
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:02
	3-5km N	Recorded	1	Projectile	E to W	N/K	10-Nov, 18:03
	3-5km N	Recorded	27	Projectile	E to W	N/K	10-Nov, 18:04
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 18:04
	3-5km N	Recorded	5	Projectile	E to W	N/K	10-Nov, 18:05
	3-5km N	Recorded	26	Projectile	E to W	N/K	10-Nov, 18:06
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:06
	3-5km N	Recorded	27	Projectile	E to W	N/K	10-Nov, 18:09
	3-5km N	Recorded	4	Projectile	W to E	N/K	10-Nov, 18:09
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 18:09
	3-5km N	Recorded	1	Projectile	E to W	N/K	10-Nov, 18:10
	3-5km N	Recorded	1	Muzzle flash		N/K	10-Nov, 18:11
	3-5km N	Recorded	1	Projectile	WNW to ESE (subsequent to previous event)	N/K	10-Nov, 18:11
	3-5km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	10-Nov, 18:11
	3-5km N	Recorded	2	Projectile	E to W	N/K	10-Nov, 18:12
	3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:12
	3-5km N	Recorded	3	Projectile	E to W	N/K	10-Nov, 18:14
	3-5km N	Recorded	1	Projectile	E to W	N/K	10-Nov, 18:15
	3-5km N	Recorded	1	Projectile	E to W	N/K	10-Nov, 18:16
3-5km N	Recorded	1	Projectile	SW to NE	N/K	10-Nov, 18:16	
3-5km N	Recorded	9	Projectile	W to E	N/K	10-Nov, 18:17	
3-5km N	Recorded	2	Projectile	E to W	N/K	10-Nov, 18:17	

3-5km N	Recorded	2	Explosion	Undetermined	N/K	10-Nov, 18:17
3-5km N	Recorded	6	Projectile	W to E	N/K	10-Nov, 18:18
3-5km N	Recorded	4	Projectile	W to E	N/K	10-Nov, 18:19
3-5km N	Recorded	1	Projectile	In vertical flight	N/K	10-Nov, 18:19
3-5km N	Recorded	4	Projectile	W to E	N/K	10-Nov, 18:27
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:27
3-5km N	Recorded	1	Projectile	ENE to WSW	N/K	10-Nov, 18:29
3-5km N	Recorded	1	Muzzle flash		N/K	10-Nov, 18:31
3-5km N	Recorded	1	Explosion	Impact	N/K	10-Nov, 18:31
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:31
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:38
3-5km N	Recorded	3	Projectile	ENE to WSW	N/K	10-Nov, 18:40
3-5km NNE	Recorded	1	Projectile	WNW to ESE	N/K	10-Nov, 18:40
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:40
3-5km N	Recorded	5	Projectile	E to W	N/K	10-Nov, 18:41
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:41
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:41
3-5km N	Recorded	6	Projectile	W to E	N/K	10-Nov, 18:42
3-5km N	Recorded	3	Projectile	W to E	N/K	10-Nov, 18:45
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:45
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:46
3-5km N	Recorded	4	Projectile	W to E	N/K	10-Nov, 18:47
3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	10-Nov, 18:47
3-5km N	Recorded	2	Projectile	W to E	N/K	10-Nov, 18:48
3-5km NNE	Recorded	2	Projectile	W to E	N/K	10-Nov, 18:48
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:49
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:50
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 18:51
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 18:51
2-4km NNE	Recorded	1	Projectile	SE to NW	N/K	10-Nov, 19:00
3-5km N	Recorded	31	Projectile	W to E	N/K	10-Nov, 19:02
3-5km N	Recorded	11	Projectile	E to W	N/K	10-Nov, 19:02
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 19:03
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 19:04
3-5km N	Recorded	2	Projectile	W to E	N/K	10-Nov, 19:05
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:05
3-5km N	Recorded	6	Projectile	W to E	N/K	10-Nov, 19:05
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:06
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 19:07
3-5km N	Recorded	1	Muzzle flash		N/K	10-Nov, 19:07
3-5km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	10-Nov, 19:07
3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 19:08
3-5km N	Recorded	1	Projectile	W to E	N/K	10-Nov, 19:09
3-5km N	Recorded	2	Projectile	W to E	N/K	10-Nov, 19:14
3-5km N	Recorded	1	Muzzle flash		N/K	10-Nov, 19:17
3-5km N	Recorded	1	Projectile	WNW to ESE (subsequent to previous event)	N/K	10-Nov, 19:17
3-5km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	10-Nov, 19:17
8-10km N	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Lomakyne)	N/K	10-Nov, 20:37
3-5km N	Recorded	3	Projectile	W to E	N/K	10-Nov, 20:43

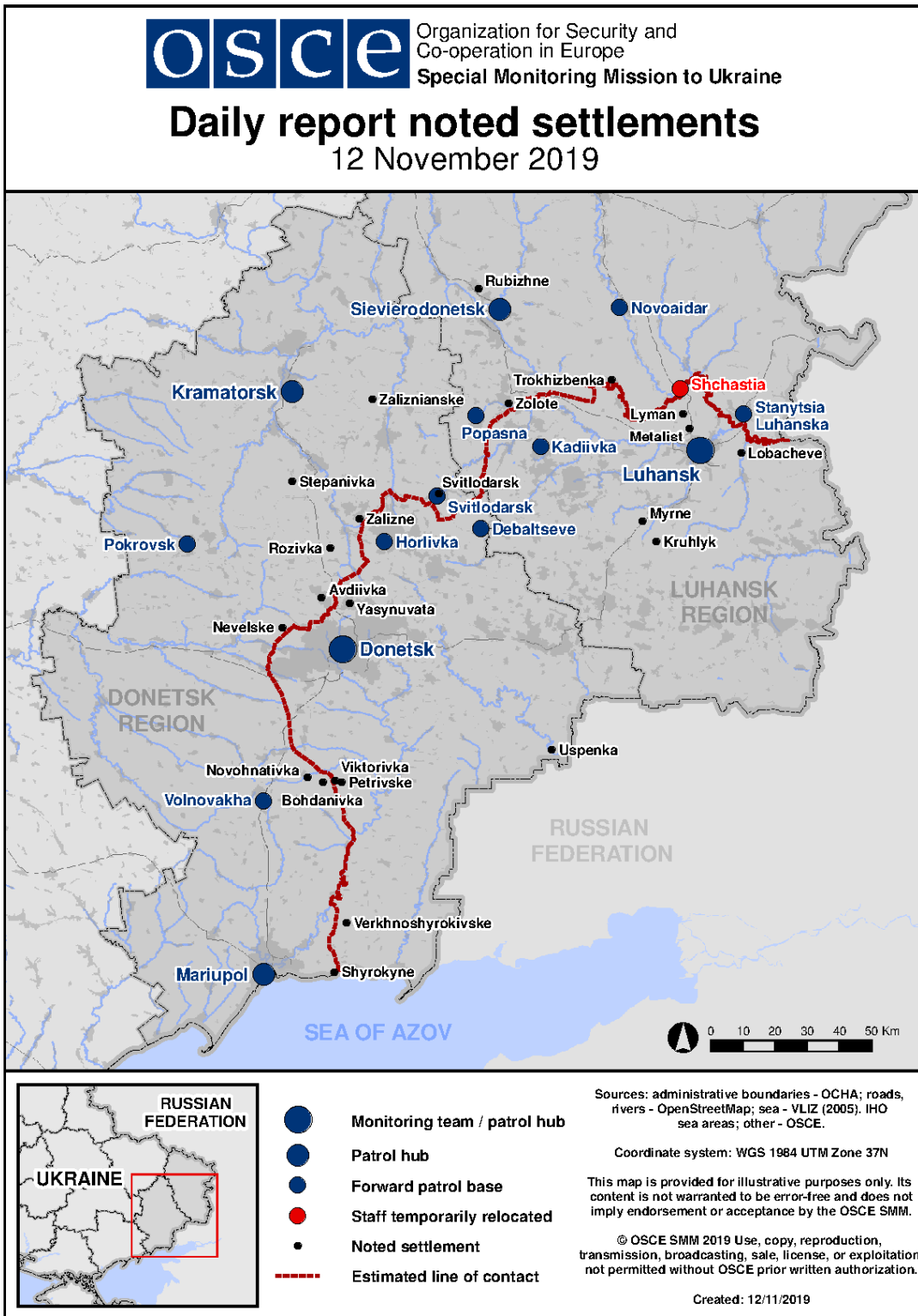
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 21:13
	3-5km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	10-Nov, 21:13
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	10-Nov, 21:21
	3-5km N	Recorded	1	Projectile	W to E	N/K	11-Nov, 02:28
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 02:29
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 03:31
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 04:23
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	11-Nov, 04:27
NW edge of Vuhlehirsk (non-government-controlled, 49km NE of Donetsk)	3-5km NE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 11:00
About 300m NNE of Debaltseve city centre (non-government-controlled, 58km NE of Donetsk)	2-4km NNE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:01
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	7	Shot		IFV (BMP-2) cannon (30mm)	11-Nov, 10:34-10:36
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:08
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:11
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:13
	3-4km SW	Heard	64	Shot		IFV (BMP-2) cannon (30mm)	11-Nov, 09:53-10:05
The railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3-4km SW	Heard	6	Shot		IFV (BMP-2) cannon (30mm)	11-Nov, 10:27
Marinka (government controlled, 23km SW of Donetsk)	1-2km E	Heard	11	Shot		Small arms	11-Nov, 12:58-13:00
	1-2km E	Heard	1	Shot		Small arms	11-Nov, 13:03
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	1-2km SE	Heard	6	Explosion	Outgoing	N/K	11-Nov, 09:06-09:12
	1-2km SE	Heard	28	Shot		Small arms	11-Nov, 09:50-10:05
	1-2km SE	Heard	63	Shot		HMG	11-Nov, 09:50-10:05
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:50-10:05
	1-2km SE	Heard	8	Shot		Small arms	11-Nov, 10:38-10:43
	1-2km SE	Heard	1	Shot		Small arms	11-Nov, 13:46
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1km S	Heard	8	Shot	Assessed as outside the disengagement area	Small arms	11-Nov, 12:24
	1km S	Heard	16	Burst	Assessed as outside the disengagement area	HMG	11-Nov, 12:24
	1km S	Heard	6	Burst	Assessed as outside the	HMG	11-Nov, 12:26

					disengagement area		
	1km S	Heard	3	Shot	Assessed as outside the disengagement area	HMG	11-Nov, 12:30
	1km S	Heard	4	Burst	Assessed as outside the disengagement area	HMG	11-Nov, 12:31
	1km S	Heard	8	Shot	Assessed as outside the disengagement area	Small arms	11-Nov, 12:34
	1-2km SW	Heard	1	Explosion	Undetermined (unable to assess either inside or outside the disengagement area)	N/K	11-Nov, 12:35
	1-2km S	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	11-Nov, 14:35
2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	2-3km ENE	Heard	6	Shot		Small arms	11-Nov, 10:13
	5km NNW	Heard	3	Explosion	Undetermined	N/K	11-Nov, 10:17
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:16
	2-3km ESE	Heard	15	Burst		HMG	11-Nov, 13:52-13:58
	2-3km ESE	Heard	40	Shot		Small arms	11-Nov, 13:52-13:58
	2-3km ESE	Heard	20	Burst		Small arms	11-Nov, 13:59-14:05
	2-3km ESE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 13:59-14:05
	2-3km E	Heard	3	Explosion	Undetermined	N/K	11-Nov, 13:59-14:05
	2-3km ESE	Heard	7	Burst		Small arms	11-Nov, 14:14
About 1km W of Verkhnoшыrokivske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	2-3km SSW	Heard	12	Shot		Small arms	11-Nov, 12:04-12:15
	2-3km SSW	Heard	20	Burst		HMG	11-Nov, 12:04-12:15
	2-3km SSW	Heard	3	Burst		AGL	11-Nov, 12:04-12:15
	1km SSE	Heard	4	Explosion	Outgoing	N/K	11-Nov, 12:04-12:15
	5km SW	Heard	4	Explosion	Impact	N/K	11-Nov, 12:04-12:15
	1km SSE	Heard	3	Explosion	Outgoing	N/K	11-Nov, 14:05-14:08
	4-5km SW	Heard	3	Explosion	Impact	N/K	11-Nov, 14:05-14:08
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	2-3km SE	Heard	24	Shot	Unable to assess whether inside or outside the disengagement area	Small arms	11-Nov, 12:25-12:30
	2-3km SE	Heard	19	Burst	Unable to assess whether inside or outside the disengagement area	HMG	11-Nov, 12:25-12:30

Orlivske (government-controlled, 82km S of Donetsk)	5-7km SSE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 13:32
About 2km SE of Lebedynske (government-controlled, 99km S of Donetsk)	3-5km NNE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 13:35-13:37
	3-5km NNE	Heard	4	Explosion	Undetermined	Tank (type undetermined)	11-Nov, 13:35-13:37
	3-5km NNE	Heard	2	Explosion	Undetermined	Tank (type undetermined)	11-Nov, 13:39
	1km E	Heard	1	Shot		Small arms	11-Nov, 13:42
	3-5km NNE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 13:50-13:52
	1km NNE	Heard	10	Shot		Small arms	11-Nov, 13:55
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard	10	Burst		HMG	10-Nov, 19:20-19:25
	3-4km SE	Heard	5	Burst		HMG	10-Nov, 19:35-19:37
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	10-Nov, 19:37-19:41
	3-4km SE	Heard	5	Explosion	Undetermined	N/K	10-Nov, 19:45-19:50
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	10-Nov, 19:55-20:00
	3-4km SE	Heard	15	Burst		HMG	10-Nov, 20:00-20:05
	3-4km SE	Heard	8	Explosion	Undetermined	N/K	10-Nov, 20:08-20:13
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	10-Nov, 20:35-20:37
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	10-Nov, 21:38
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	10-Nov, 22:15
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	10-Nov, 23:26
	3-4km SE		2	Explosion	Undetermined	N/K	11-Nov, 11:28
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:12
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 14:09
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 14:10
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	11-Nov, 14:28
	3-4km SE	Heard	18	Burst		HMG	11-Nov, 14:40
	3-4km SE	Heard	15	Explosion	Undetermined	N/K	11-Nov, 15:40
	3-4km SE	Heard	4	Burst		HMG	11-Nov, 15:42
	3-4km SE	Heard	4	Explosion	Undetermined	N/K	11-Nov, 16:48
3-4km SE	Heard	6	Explosion	Undetermined	N/K	11-Nov, 16:50	
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km S	Heard	6	Explosion	Undetermined	N/K	11-Nov, 09:08-09:14
	1-2km W	Heard	2	Shot		Small arms	11-Nov, 12:43
	3-4km SSW	Heard	1	Explosion	Undetermined	N/K	11-Nov, 13:37
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	3-4km N	Heard	2	Explosion	Undetermined	N/K	11-Nov, 09:16
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 11:30
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:16
	4-5km SSW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 14:18
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	11-Nov, 14:23
	3-4km SE	Heard	8	Explosion	Undetermined	N/K	11-Nov, 14:28
	3-4km NE	Heard	15	Shot		Small arms	11-Nov, 15:05
	3-4km NE	Heard	16	Burst		HMG	11-Nov, 15:16
SW edge of Novoluhanske (government-controlled, 53km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	11-Nov, 11:30
	2-3km W	Heard	1	Explosion	Undetermined	N/K	11-Nov, 12:18
	4-5km SSW	Heard	3	Explosion	Undetermined	N/K	11-Nov, 14:09
	4-5km SSW	Heard	2	Explosion	Undetermined	N/K	11-Nov, 14:18

Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	18	Explosion	Undetermined	N/K	11-Nov, 14:30-14:40
	4-5km W	Heard	56	Burst		HMG	11-Nov, 14:30-14:40
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	10-Nov, 22:10
3km SW of Metalist (non-government-controlled, 7km NW of Luhansk)	600-800m NW	Heard	5	Shot	Assessed as aimed at an SMM UAV	Small arms	11-Nov, 09:29-09:31
250m N of Stanytsia Luhanska Bridge (15km NE of Luhansk, inside the disengagement area)	1.5-2km NE	Heard	1	Explosion	Undetermined (Assessed as outside the disengagement area)	N/K	11-Nov, 15:07

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).