

# Daily Report 281/2019

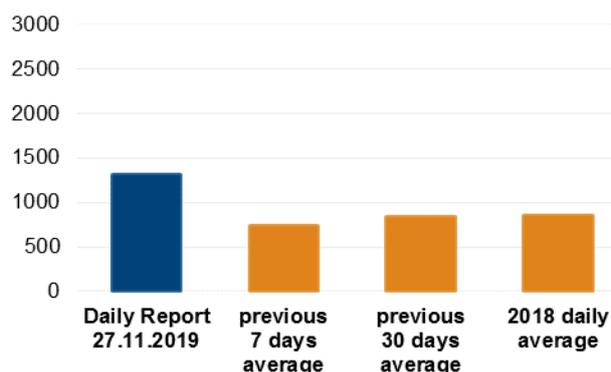
27 November 2019<sup>1</sup>

## Summary

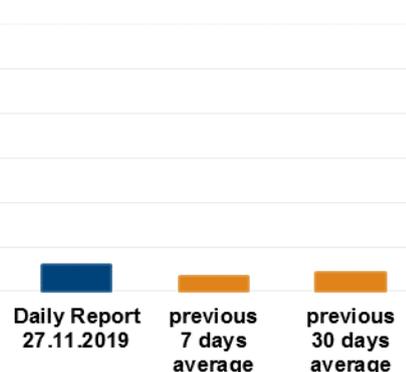
- Compared with the previous reporting period, the SMM recorded more ceasefire violations in Donetsk region and fewer in Luhansk region.
- A woman was injured due to gunfire in government-controlled Marinka.
- The SMM saw a trench filled with concrete blocks and soil on the road between Bohdanivka and Viktorivka, north of the Petrivske disengagement area.
- The Mission observed workers from non-government-controlled areas installing railings on the metal part of the Stanytsia Luhanska bridge.
- The SMM continued to monitor the situation in the Zolote disengagement area.
- It monitored adherence to a localized ceasefire to facilitate repairs to critical civilian infrastructure, including to communication equipment in Obozne, water pipelines between Novoluhanske and Kurdiumivka and drilling of wells near Pankivka.
- Restrictions of the SMM's freedom of movement continued, including in non-government-controlled Novoazovsk and Siedove in southern Donetsk region.\*

## Ceasefire violations<sup>2</sup>

### Number of recorded ceasefire violations<sup>3</sup>



### Number of recorded explosions<sup>4</sup>



## Map of recorded ceasefire violations

<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 26 November 2019. All times are in Eastern European Time.

<sup>2</sup> For a complete breakdown of ceasefire violations, please see the annexed table.

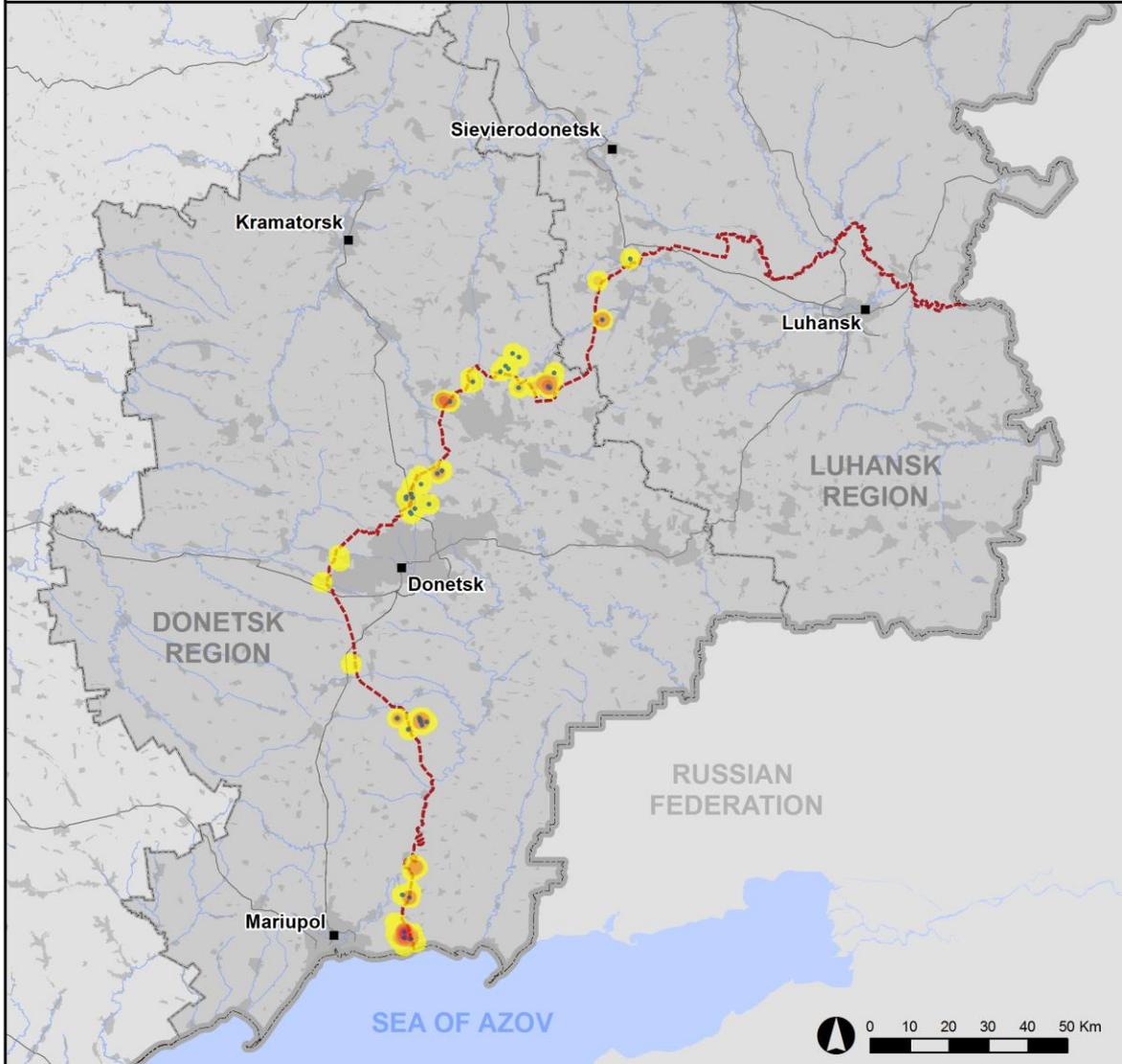
<sup>3</sup> Including explosions.

<sup>4</sup> Including from unidentified weapons.

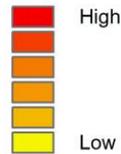


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 26 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: 27/11/2019

In Donetsk region, the SMM recorded more ceasefire violations, including more explosions (about 220), compared with the [previous reporting period](#) (190 explosions). Almost half of the ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and in areas south-east and south of Zalizne (government-controlled, 42km north-east of Donetsk).

In Luhansk region, the Mission recorded fewer ceasefire violations, including, however, more explosions (62), compared with the [previous reporting period](#) (about 30 explosions). The majority of ceasefire violations, including the majority of explosions were recorded at easterly and southerly directions of Popasna (government-controlled, 69km west of Luhansk).

### **Woman injured from small-arms fire in government-controlled Marinka**

The SMM followed up on reports of a woman injured on 25 November in Marinka (government-controlled, 23km south-west of Donetsk), in an area about 750m from the forward positions of the Ukrainian Armed Forces. On 26 November, medical staff at a hospital in Kurakhove (government-controlled, 40km west of Donetsk) told the SMM that a woman (in her late thirties) had been admitted on 25 November with a gunshot wound to her chest and an open fracture in the left arm.

At the same hospital, the SMM saw the woman with bandages on her chest and left arm. She told the SMM that she had been injured by gunfire while walking on a bridge at Druzhby Avenue in Marinka with her 20-month-old son in a stroller. She also said that two nearby workers had rushed to her aid; one rescuing her baby and the other covering her to protect them from the ongoing shooting. The two workers (in their fifties and sixties) who witnessed the incident, told the SMM that on 25 November, they had been working in the vicinity of Marinka School No.2 when they heard shooting and saw a woman crouching on the bridge.

### **Disengagement areas near Petrivske, Zolote and Stanytsia Luhanska<sup>5</sup>**

On 25 November, outside the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), 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) [again](#) spotted 11 anti-tank mines which form part of a previously reported mine field, assessed as belonging to the Ukrainian Armed Forces. About 90m south of the aforesaid location, also outside the disengagement area, the UAV spotted uprooted mine hazard signs, a barrier tape on the ground as well as two anti-tank mines.

On 26 November, on the abovementioned road, about 1km west of the abovementioned 11 anti-tank mines, the Mission saw a trench filled with concrete blocks and soil. Positioned about 1km east of Bohdanivka, the Mission saw seven vehicles and an ambulance, all belonging to the State Emergency Service of Ukraine, heading toward the disengagement area.

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

On the same day, at a checkpoint of the armed formations about 3km north of Petrivske, the SMM saw for the first time a trench running about 100m west towards a treeline (for previous observations in the area, see [SMM Daily Report 18 September 2019](#)).

Positioned about 1km north-east of Bohdanivka, the SMM heard four shots of (30mm) cannon fire and five undetermined explosions, at an assessed range of 3-5km south-east, assessed as outside the disengagement area. Positioned about 2km north of Petrivske, the SMM heard 40 explosions (including ten assessed as fired from an automatic grenade launcher) and about 55 shots of small-arms and heavy-machine-gun fire, at an assessed range of 1-4km south-east and south-south-east; it also heard and saw a burst of an anti-aircraft cannon, at an assessed range of 2km south (all assessed as outside the disengagement area but within its 5km periphery).

On 26 November, the SMM saw 15 workers and seven deminers from non-government-controlled areas arriving at a checkpoint of the armed formations on the southern edge of the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk) and entering the disengagement area on road T-1316.

Positioned at the aforesaid checkpoint, the SMM heard two undetermined explosions, at an assessed range of 4-5km north-north-east, assessed as outside the disengagement area, but within its 5km periphery.

Inside **the disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw five workers from non-government-controlled areas installing new railings on the metal part of the Stanytsia Luhanska bridge (15km north-east of Luhansk).<sup>6</sup> The Mission also saw workers from non-government-controlled areas cutting vegetation about 100m south-east of the checkpoint of the armed formations and a fire at the southern bank of Sieverskyi Donets river about 50m east of the road.

The SMM saw at least five members of the armed formations (wearing armbands with “JCCC” written on them), between the bridge and the checkpoint of the armed formations inside the disengagement area.

## Withdrawal of weapons

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

The Mission observed three weapons beyond withdrawal lines but outside of designated storage sites in government-controlled areas of Donetsk region (for further details, see the tables below).

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<sup>6</sup> In the section on the disengagement area near Stanytsia Luhanska in the SMM Daily Reports of [25 November 2019](#) and [26 November 2019](#), the text should have read “the SMM saw workers from non-government-controlled areas installing new railings on the metal part of the Stanytsia Luhanska bridge” instead of “on the railway bridge”.

### **Weapons that the SMM could not verify as withdrawn<sup>7</sup>**

26 November

*At a heavy weapons holding areas in a government-controlled area of Donetsk region*

The SMM noted that:

- four mortars (2B11 *Sani*, 120mm) were present; and
- 12 self-propelled howitzers (2S3 *Akatsyia*, 152mm), ten tanks (T-72) and two surface-to-air missile systems (9K35 *Strela-10*) continued to be missing.

### **Indications of military and military-type presence in the security zone<sup>8</sup>**

The SMM observed military and military-type presence inside the security zone on both sides of the contact line, including an armoured combat vehicle in a residential area (for further details, see the table below).

### **SMM facilitation of repairs to and operation of critical civilian infrastructure**

The SMM monitored adherence to a localized ceasefire to facilitate repairs to communication equipment in Obozne (non-government-controlled, 18km north of Luhansk), water pipelines between Novoluhanske (government-controlled, 53km north-east of Donetsk) and Kurdiuvivka (government-controlled, 54km north of Donetsk) and drilling of wells near Pankivka (non-government-controlled, 16km north of Luhansk).

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

### **Border areas not under government control**

While at a border crossing point near Marynivka (78km east of Donetsk) for about an hour, the SMM saw 12 cars (four with Ukrainian and two with Russian Federation licence plates, as well as six with “DPR” plates), a covered cargo truck with “DPR” plates and two pedestrians (men in their forties) entering Ukraine. It also saw 35 cars (four with Ukrainian and 20 with Russian Federation licence plates, as well as 11 with “DPR” plates), two covered cargo trucks (one with Ukrainian licence plates and one with “DPR” plates), three buses (two with Russian Federation licence plates and one with “DPR” plates) and a pedestrian (man in his fifties) exiting Ukraine. The SMM saw for the first time a white container with two flags (with black, blue and red, and red blue and red colours) on the left side of the road about 50m before the checkpoint premises.

While at the border crossing point near Uspenka (73km south-east of Donetsk) for about an hour, the SMM saw 18 cars (six with Russian Federation licence plates and 12 with “DPR” plates), 11 covered cargo trucks (seven with Ukrainian licence plates and four with “DPR”

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<sup>7</sup> 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 one such site in a government-controlled areas in Donetsk region was abandoned.

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

plates), a fuel tanker with Ukrainian licence plates, three buses with “DPR” plates and two pedestrians (women, mixed ages) entering Ukraine. It also saw 26 cars (five with Ukrainian and 11 with Russian Federation licence plates, as well as ten with “DPR” plates), three covered cargo trucks (one with Ukrainian licence plates and two with “DPR” plates), a chemical liquids tanker with “DPR” plates and eight buses (one with Russian Federation licence plates and seven with “DPR” plates) exiting Ukraine.

### **Public gathering marking the first anniversary of the developments at sea near Kerch Strait**

On 26 November, the SMM monitored a public gathering in Kyiv (about 30 participants, mainly young people, mixed genders) marking the first anniversary of the [developments at sea near the Kerch Strait on 25 November 2018](#) in front of the embassy of the Russian Federation. The SMM observed about ten police officers securing the event, which ended without incidents.

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

### **\*Restrictions of the SMM’s freedom of movement or other impediments to fulfilment of its mandate**

*The SMM’s monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, 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 Coordination 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 of 19 November 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 north of Novoazovsk (non-government-controlled, 102km south of Donetsk), a member of the armed formations denied the SMM passage, citing “orders from superiors”.
- At a checkpoint near Siedove (non-government-controlled, 106km south of Donetsk), two members of the armed formations denied the SMM passage towards Siedove (non-government-controlled, 106km south of Donetsk), citing “ongoing special operations in the area”.

#### Delay:

- At a checkpoint about 1.8km north-east of Stepanivka (non-government-controlled, 62km west of Luhansk), an armed member of the armed formations allowed the SMM to proceed east towards Veselohorivka (non-government-controlled, 64km west of Luhansk) only after about 25 minutes of waiting.

*Regular restrictions related to disengagement areas and mines/UXO:*

- The sides continued to deny the SMM full access, as well as the ability to travel certain roads previously identified as important for effective monitoring by the Mission and for civilians' movement, through failure to conduct comprehensive clearance of mines, UXO and other obstacles.

**Table of weapons**  
Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
26/11/2019	3	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Stationary in a field near Kalynove (formerly Kalinine, 65km south-west of Donetsk)	Patrol

**Table of indications of military and military-type presence in the security zone<sup>9</sup>**

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
26/11/2019	3	Infantry fighting vehicle (BMP-1)	In the eastern outskirts of Popasna (69km west of Luhansk)	Patrol
	1	Infantry fighting vehicle (BTR-4)	In a residential area of Kodema (57km north-east of Donetsk)	
	1	Armoured personnel carrier (BTR-60)	Near Novobakhmutivka (28km north of Donetsk)	
<b>Non-government-controlled areas</b>				
25/11/2019	-	New trench (120m in length) and other fortifications (not seen in imagery from 4 October 2019).	About 1km north-west of Pankivka (16km north of Luhansk)	Mini-UAV

<sup>9</sup>The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

**Table of ceasefire violations as of 26 November 2019<sup>10</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	26-Nov, 01:09
	2-4km SSE	Recorded	1	Projectile	NE to SW	N/K	26-Nov, 02:04
	2-4km SSE	Recorded	2	Projectile	NE to SW	N/K	26-Nov, 02:57
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SE	Recorded	22	Projectile	In vertical flight	N/K	25-Nov, 17:10
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	25-Nov, 17:23
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	25-Nov, 18:36
	3-5km SSE	Recorded	1	Projectile	SW to NE	N/K	25-Nov, 18:37
	3-5km SSE	Recorded	3	Projectile	WSW to ENE	N/K	25-Nov, 18:40
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 19:13
	3-5km SSE	Recorded	3	Projectile	SW to NE	N/K	25-Nov, 19:15
	3-5km SSE	Recorded	4	Projectile	SW to NE	N/K	25-Nov, 19:16
	3-5km SSE	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 19:17
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	25-Nov, 20:29
	2-4km SE	Recorded	15	Projectile	NE to SW	N/K	25-Nov, 20:30
	2-4km SE	Recorded	1	Projectile	NE to SW	N/K	25-Nov, 20:31
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	25-Nov, 20:32
SMM camera at the Donetsk Filtration Station (15km N of Donetsk)	0.7-1km S	Recorded	2	Muzzle flash		N/K	25-Nov, 20:26
	0.7-1km S	Recorded	2	Projectile	NW to SE (subsequent to previous event)	N/K	25-Nov, 20:26
	0.7-2km S	Recorded	4	Projectile	W to E	N/K	26-Nov, 03:02
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ESE	Recorded	5	Projectile	NNE to SSW	N/K	25-Nov, 18:13
	3-5km ESE	Recorded	6	Projectile	S to N	N/K	25-Nov, 18:22
	3-5km ESE	Recorded	3	Projectile	N to S	N/K	25-Nov, 18:27
	3-5km ESE	Recorded	12	Projectile	S to N	N/K	25-Nov, 18:28
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	25-Nov, 18:29
	3-5km ESE	Recorded	2	Projectile	N to S	N/K	25-Nov, 18:32
	3-5km ESE	Recorded	1	Projectile	S to N	N/K	25-Nov, 18:32
	3-5km ESE	Recorded	3	Projectile	N to S	N/K	25-Nov, 18:33
	3-5km E	Recorded	4	Projectile	NW to SE	N/K	25-Nov, 19:16
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 00:29
	3-5km ESE	Recorded	4	Projectile	S to N	N/K	26-Nov, 01:53
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 06:13
	1-3km ESE	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 06:15
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-5km ENE	Recorded	4	Projectile	WNW to ESE	N/K	26-Dec, 05:28
	2-5km E	Recorded	1	Projectile	N to S	N/K	26-Dec, 05:28
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km)	1.5-3km ENE	Recorded	1	Projectile	NW to SE	N/K	25-Nov, 18:21
	1.5-3km ENE	Recorded	1	Projectile	NW to SE	N/K	25-Nov, 18:25
	2-4km ENE	Recorded	1	Projectile	NW to SE	N/K	25-Nov, 19:42
	2-4km NE	Recorded	2	Projectile	NW to SE	N/K	25-Nov, 20:47
	2-4km ENE	Recorded	1	Explosion	Undetermined	N/K	25-Nov, 22:55
	2-4km NE	Recorded	1	Projectile	NW to SE	N/K	25-Nov, 22:56

<sup>10</sup> 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.

NE of Donetsk)	2-4km NE	Recorded	1	Muzzle flash		N/K	25-Nov, 22:56
	2-4km ENE	Recorded	2	Projectile	NW to SE	N/K	26-Nov, 00:50
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Explosion	Undetermined	N/K	25-Nov, 16:53
	3-5km N	Recorded	2	Projectile	ESE to WNW	N/K	25-Nov, 16:54
	3-5km NE	Recorded	1	Projectile	E to W	N/K	25-Nov, 17:47
	3-5km NNE	Recorded	2	Projectile	ESE to WNW	N/K	25-Nov, 18:15
	3-5km N	Recorded	2	Projectile	SSE to NNW	N/K	25-Nov, 18:15
	3-5km N	Recorded	7	Projectile	SE to NW	N/K	25-Nov, 18:16
	3-5km N	Recorded	4	Projectile	SE to NW	N/K	25-Nov, 18:17
	3-5km NNE	Recorded	2	Projectile	SW to NE	N/K	25-Nov, 18:20
	3-5km NNE	Recorded	1	Projectile	SE to NW	N/K	25-Nov, 18:20
	4-7km N	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 18:22
	3-5km NNE	Recorded	7	Projectile	SE to NW	N/K	25-Nov, 18:22
	3-5km N	Recorded	2	Burst	E to W	N/K	25-Nov, 18:24
	3-5km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 18:33
	3-5km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 18:36
	3-5km NNE	Recorded	1	Projectile	E to W	N/K	25-Nov, 18:37
	3-5km N	Recorded	4	Projectile	E to W	N/K	25-Nov, 18:45
	3-5km N	Recorded	4	Projectile	W to E	N/K	25-Nov, 18:54
	1-3km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 18:55
	3-5km N	Recorded	4	Projectile	E to W	N/K	25-Nov, 19:02
	3-5km NNE	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 19:09
	3-5km NNE	Recorded	8	Projectile	ESE to WNW	N/K	25-Nov, 19:11
	3-5km N	Recorded	3	Projectile	W to E	N/K	25-Nov, 19:11
	3-5km NNE	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 19:12
	3-5km NNE	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 19:13
	3-5km NNW	Recorded	11	Projectile	W to E	N/K	25-Nov, 19:14
	3-5km NNW	Recorded	4	Projectile	W to E	N/K	25-Nov, 19:17
	3-5km N	Recorded	2	Projectile	E to W	N/K	25-Nov, 19:20
	3-5km N	Recorded	22	Projectile	E to W	N/K	25-Nov, 19:21
	3-5km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 19:22
	3-5km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 19:22
	3-5km N	Recorded	6	Projectile	E to W	N/K	25-Nov, 19:23
	3-5km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 19:26
	3-5km N	Recorded	1	Muzzle flash		N/K	25-Nov, 19:27
	3-5km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 19:27
	3-5km NNE	Recorded	1	Projectile	SE to NW	N/K	25-Nov, 19:28
	3-5km NNE	Recorded	4	Projectile	W to E	N/K	25-Nov, 19:29
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	25-Nov, 19:29
	3-5km N	Recorded	1	Muzzle flash		N/K	25-Nov, 19:29
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 19:29
	3-5km NNE	Recorded	4	Projectile	WSW to ENE	N/K	25-Nov, 19:30
	4-7km NNE	Recorded	2	Projectile	W to E	N/K	25-Nov, 19:30
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 19:33
	4-7km N	Recorded	1	Explosion	Impact	N/K	25-Nov, 19:33
	4-7km N	Recorded	11	Projectile	E to W	N/K	25-Nov, 20:00
	4-7km NNE	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 20:01
	4-7km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 20:02
	4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 20:03
4-7km N	Recorded	10	Projectile	E to W	N/K	25-Nov, 20:06	
4-7km NNE	Recorded	2	Projectile	E to W	N/K	25-Nov, 20:07	
4-7km NNE	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 20:08	
4-7km N	Recorded	8	Projectile	W to E	N/K	25-Nov, 20:13	
4-7km N	Recorded	5	Projectile	E to W	N/K	25-Nov, 20:15	
3-5km N	Recorded	4	Projectile	WSW to ENE	N/K	25-Nov, 20:15	
4-7km N	Recorded	5	Projectile	W to E	N/K	25-Nov, 20:16	
4-7km N	Recorded	2	Explosion	Undetermined	N/K	25-Nov, 20:23	
4-7km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 20:23	

4-7km N	Recorded	5	Projectile	W to E	N/K	25-Nov, 20:24
4-7km N	Recorded	4	Projectile	E to W	N/K	25-Nov, 20:25
4-7km N	Recorded	4	Projectile	WSW to ENE	N/K	25-Nov, 20:26
4-7km N	Recorded	2	Explosion	Undetermined	N/K	25-Nov, 20:26
4-7km N	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 20:26
4-7km N	Recorded	5	Projectile	WSW to ENE	N/K	25-Nov, 20:27
4-7km N	Recorded	1	Explosion	Undetermined	N/K	25-Nov, 20:27
4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 20:28
4-7km N	Recorded	1	Muzzle flash		N/K	25-Nov, 20:28
4-7km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 20:29
4-7km N	Recorded	2	Explosion	Undetermined	N/K	25-Nov, 20:32
4-7km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 20:32
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 20:34
4-7km NNE	Recorded	1	Projectile	E to W	N/K	25-Nov, 20:36
4-7km N	Recorded	3	Projectile	W to E	N/K	25-Nov, 20:37
4-7km NNE	Recorded	1	Projectile	W to E	N/K	25-Nov, 20:38
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 20:42
4-7km NNE	Recorded	1	Projectile	W to E	N/K	25-Nov, 20:46
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 20:46
4-7km N	Recorded	2	Projectile	E to W	N/K	25-Nov, 20:49
4-7km N	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 20:50
4-7km N	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 20:53
4-7km N	Recorded	8	Projectile	W to E	N/K	25-Nov, 20:56
4-7km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 21:00
4-7km N	Recorded	4	Projectile	W to E	N/K	25-Nov, 21:00
4-7km N	Recorded	7	Projectile	E to W	N/K	25-Nov, 21:03
4-7km N	Recorded	8	Projectile	W to E	N/K	25-Nov, 21:09
4-7km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 21:10
4-7km N	Recorded	10	Projectile	WSW to ENE	N/K	25-Nov, 21:13
4-7km NNE	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 21:13
4-7km N	Recorded	8	Projectile	W to E	N/K	25-Nov, 21:14
4-7km N	Recorded	13	Projectile	W to E	N/K	25-Nov, 21:15
4-7km N	Recorded	5	Projectile	E to W	N/K	25-Nov, 21:16
4-7km N	Recorded	5	Projectile	ESE to WNW	N/K	25-Nov, 21:50
4-7km N	Recorded	1	Projectile	WSW to ENE	N/K	25-Nov, 21:50
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 21:53
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 21:54
4-7km N	Recorded	2	Projectile	E to W	N/K	25-Nov, 22:06
4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	25-Nov, 22:07
4-7km NNW	Recorded	2	Projectile	W to E	N/K	25-Nov, 22:07
4-7km N	Recorded	7	Projectile	WSW to ENE	N/K	25-Nov, 22:08
4-7km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 22:09
4-7km N	Recorded	6	Projectile	W to E	N/K	25-Nov, 22:12
4-7km N	Recorded	1	Illumination flare	In vertical flight	N/K	25-Nov, 22:12
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 22:22
4-7km N	Recorded	2	Projectile	E to W	N/K	25-Nov, 22:25
4-7km N	Recorded	3	Projectile	W to E	N/K	25-Nov, 22:27
4-7km N	Recorded	4	Projectile	W to E	N/K	25-Nov, 22:28
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 22:48
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 22:53
4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 23:00
4-7km N	Recorded	3	Projectile	E to W	N/K	25-Nov, 23:00
4-7km N	Recorded	1	Projectile	E to W	N/K	25-Nov, 23:04
4-7km N	Recorded	2	Explosion	Undetermined	N/K	25-Nov, 23:05
4-7km N	Recorded	4	Projectile	E to W	N/K	25-Nov, 23:09
4-7km N	Recorded	2	Projectile	W to E	N/K	25-Nov, 23:10
4-7km N	Recorded	10	Projectile	E to W	N/K	25-Nov, 23:43

	4-7km N	Recorded	3	Projectile	W to E	N/K	25-Nov, 23:44
	4-7km N	Recorded	1	Projectile	W to E	N/K	25-Nov, 23:45
	4-7km N	Recorded	6	Projectile	W to E	N/K	26-Nov, 00:06
	4-7km NNE	Recorded	1	Projectile	E to W	N/K	26-Nov, 00:06
	4-7km NNE	Recorded	2	Projectile	W to E	N/K	26-Nov, 00:21
	4-7km N	Recorded	1	Projectile	SE to NW	N/K	26-Nov, 00:22
	4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 01:04
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 01:14
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 01:18
	4-7km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 01:53
	4-7km NNW	Recorded	1	Projectile	W to E	N/K	26-Nov, 01:58
	4-7km N	Recorded	6	Projectile	W to E	N/K	26-Nov, 02:08
	4-7km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 02:11
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 02:22
	4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 02:29
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 02:35
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 02:35
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 02:39
	4-7km N	Recorded	4	Projectile	E to W	N/K	26-Nov, 02:47
	4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 02:56
	4-7km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 02:57
	3-5km N	Recorded	13	Projectile	W to E	N/K	26-Nov, 03:05
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 03:24
	3-5km N	Recorded	1	Muzzle flash		N/K	26-Nov, 03:29
	3-5km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 03:29
	3-5km N	Recorded	5	Projectile	W to E	N/K	26-Nov, 03:33
	3-5km N	Recorded	1	Muzzle flash		N/K	26-Nov, 03:33
	3-5km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 03:37
	3-5km N	Recorded	3	Projectile	W to E	N/K	26-Nov, 03:37
	3-5km N	Recorded	1	Projectile	E to W	N/K	26-Nov, 03:38
	3-5km N	Recorded	6	Projectile	W to E	N/K	26-Nov, 03:41
	3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 04:04
	3-5km N	Recorded	2	Projectile	W to E	N/K	26-Nov, 04:10
	3-5km N	Recorded	3	Projectile	E to W	N/K	26-Nov, 04:10
	4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 04:16
	4-7km N	Recorded	12	Projectile	W to E	N/K	26-Nov, 04:18
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 04:19
	4-7km N	Recorded	2	Projectile	ESE to WNW	N/K	26-Nov, 04:19
	4-7km N	Recorded	1	Projectile	W to E	N/K	26-Nov, 04:31
	4-7km N	Recorded	1	Explosion	Undetermined	N/K	26-Nov, 04:32
	4-7km N	Recorded	8	Projectile	W to E	N/K	26-Nov, 04:35
	4-7km N	Recorded	1	Projectile	ESE to WNW	N/K	26-Nov, 04:46
	4-7km N	Recorded	6	Projectile	W to E	N/K	26-Nov, 04:50
	4-7km N	Recorded	5	Projectile	WSW to ENE	N/K	26-Nov, 04:52
	4-7km N	Recorded	8	Projectile	W to E	N/K	26-Nov, 05:48
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km E	Recorded	1	Explosion	Undetermined	N/K	25-Nov, 19:00
	4-6km E	Recorded	1	Projectile	N to S	N/K	25-Nov, 19:01
	4-6km ESE	Recorded	3	Projectile	S to N	N/K	25-Nov, 19:11
	4-6km ESE	Recorded	3	Projectile	S to N	N/K	25-Nov, 19:12
	4-6km ESE	Recorded	3	Projectile	S to N	N/K	25-Nov, 19:15
	4-6km ESE	Recorded	1	Projectile	S to N	N/K	25-Nov, 19:18
	4-6km ESE	Recorded	3	Projectile	S to N	N/K	25-Nov, 19:19
About 1km E of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2-4km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:07
	2-4km N	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:12
SE edge of	3-5km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:00

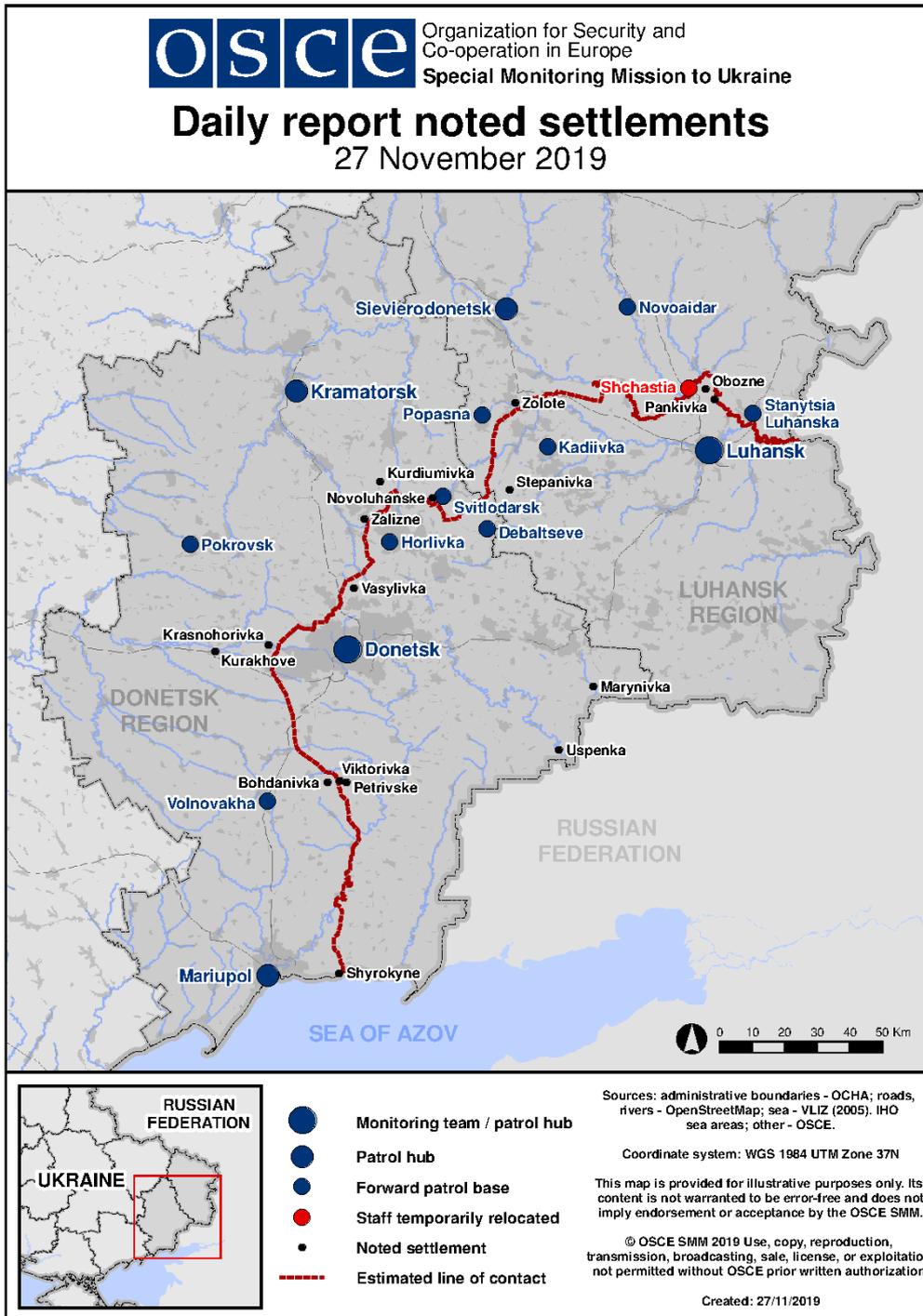
Avdiivka (government-controlled, 17km N of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:04
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:16
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:21
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:37
Marinka (government controlled, 23km SW of Donetsk)	N/K S	Heard	2	Burst		HMG	26-Nov, 13:05
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-4km SSE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	26-Nov, 09:13
	3-4km SSE	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	26-Nov, 09:17
	1-2km SSE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	26-Nov, 09:30
	2km SSE	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area)	AGL	26-Nov, 09:30
	2km SSE	Heard	1	Burst	Assessed as outside the disengagement area	Small arms	26-Nov, 09:30
	2km SSE	Heard	5	Burst	Assessed as outside the disengagement area	HMG	26-Nov, 09:30
	2-3km SSE	Heard	10	Burst	Assessed as an outside the disengagement area	Small arms	26-Nov, 09:38
	2-3km SSE	Heard	10	Burst	Assessed outside the disengagement area	HMG	26-Nov, 09:38
	2-3km SSE	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	26-Nov, 09:41
	2-3km SSE	Heard	14	Burst	Assessed as outside the disengagement area	HMG	26-Nov, 09:41
	2-3km SSE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	AGL	26-Nov, 09:41
	3-4km SE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	26-Nov, 09:41
	3-4km SE	Heard	2	Explosion	Undetermined (assessed as	N/K	26-Nov, 09:41

					outside the disengagement area)		
	3-4km SE	Heard	2	Burst	Assessed as outside the disengagement area	Small arms	26-Nov, 09:41
	2-3km SSE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	26-Nov, 09:52
	2km S	Heard and saw	1	Airburst	Assessed as outside the disengagement area	Anti-aircraft cannon (type N/K)	26-Nov, 09:58
	2km SE	Heard	2	Shot	Assessed as outside the disengagement area	Small arms	26-Nov, 10:06
	2km SE	Heard	11	Shot	Assessed as outside the disengagement area	Small arms	26-Nov, 13:18
About 1km NE of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K SE	Heard	4	Explosion	Undetermined	N/K	26-Nov, 09:40
	N/K SE	Heard	14	Explosion	Undetermined	N/K	26-Nov, 09:48-09:53
	N/K SE	Heard	2	Burst		HMG	26-Nov, 09:48-09:53
	3-5km SE	Heard	5	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	26-Nov, 09:55-09:58
	3-5km SE	Heard	4	Shot	Assessed as outside the disengagement area	(30mm) cannon	26-Nov, 09:55-09:58
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-6km S	Heard	2	Explosion	Undetermined	N/K	25-Nov, 19:56
	3-4km SE	Heard	2	Burst		HMG	25-Nov, 20:20
	3-4km S	Heard	3	Burst		HMG	25-Nov, 20:24
	3-4km S	Heard	2	Burst		HMG	25-Nov, 20:25
	3-4km S	Heard	6	Shot		Small arms	25-Nov, 20:25
	5-6km SE	Heard	6	Explosion	Undetermined	N/K	25-Nov, 20:25-20:27
	5-6km SW	Heard	2	Explosion	Undetermined	N/K	25-Nov, 20:28
	3-4km SE	Heard	4	Burst		HMG	25-Nov, 20:44
	5-6km SW	Heard	5	Explosion	Undetermined	N/K	25-Nov, 20:55-20:58
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	25-Nov, 21:01
	5-6km SW	Heard	5	Burst		HMG	25-Nov, 21:12
	3-4km SE	Heard	6	Burst		HMG	25-Nov, 21:15
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	25-Nov, 21:21
	4-5km SE	Heard	4	Burst		N/K	25-Nov, 21:33
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	25-Nov, 21:34
	4-5km SE	Heard	3	Burst		N/K	25-Nov, 21:49
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	25-Nov, 21:54
3-4km SE	Heard	8	Burst		HMG	25-Nov, 21:54-21:55	

	3-4km SE	Heard	3	Shot		Small arms	25-Nov, 21:58
	5-6km SE	Heard	4	Explosion	Undetermined	N/K	25-Nov, 21:58
	3-4km SE	Heard	11	Burst		HMG	25-Nov, 22:32
	3-4km SE	Heard	4	Burst		HMG	25-Nov, 22:38
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	25-Nov, 23:53
	5-6km NW	Heard	7	Explosion	Undetermined	N/K	26-Nov, 08:45-11:02
	4-6km SE	Heard	48	Explosion	Undetermined	N/K	26-Nov, 15:27-16:16
	4-6km SE	Heard	25	Burst		HMG	26-Nov, 15:27-16:16
NE edge of Zalizne (government-controlled, 42km NE of Donetsk)	1-2km S	Heard	20	Shot		Small arms	26-Nov, 10:20-10:30
	1-2km S	Heard	2	Burst		Small arms	26-Nov, 10:20-10:30
	1-2km S	Heard	59	Shot		Small arms	26-Nov, 10:30-11:00
	1-2km S	Heard	11	Burst		Small arms	26-Nov, 10:30-11:00
	2-3km SE	Heard	9	Burst		Small arms	26-Nov, 11:26-11:30
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	26-Nov, 11:26-11:30
	2-3km SE	Heard		Shot	Uncountable	Small arms	26-Nov, 11:40-11:42
Kodema (government-controlled, 57km NE of Donetsk)	4-5km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 10:37
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	26-Nov, 10:57
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:59
	5km E	Heard	2	Explosion	Undetermined	N/K	26-Nov, 12:31
	5km SSE	Heard	1	Explosion	Undetermined	N/K	26-Nov, 12:40
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SSE	Heard	4	Explosion	Undetermined	N/K	26-Nov, 10:56-11:05
	3-4km SSE	Heard	3	Burst		HMG	26-Nov, 11:06-11:10
	3-4km SSE	Heard	2	Explosion	Undetermined	N/K	26-Nov, 11:06-11:10
	3-4km ENE	Heard	7	Burst	Undetermined	N/K	26-Nov, 11:11-11:17
	4-5km S	Heard	1	Explosion	Undetermined	N/K	26-Nov, 11:20
	1-3km ESE	Heard	4	Shot		HMG	26-Nov, 12:30
	1-3km SE	Heard	3	Shot		Small arms	26-Nov, 12:36
	3-5km S	Heard	1	Explosion	Undetermined	N/K	26-Nov, 12:41
	3-5km S	Heard	1	Explosion	Undetermined	N/K	26-Nov, 12:44
3-5km S	Heard	1	Explosion	Undetermined	N/K	26-Nov, 12:50	
N edge of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	3-4km SSE	Heard	8	Explosion	Undetermined	N/K	26-Nov, 11:18-11:20
	3-4km SSE	Heard	12	Explosion	Undetermined	N/K	26-Nov, 11:27-11:36
	3-4km SE	Heard	7	Explosion	Undetermined	N/K	26-Nov, 11:36-11:39
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-5km ESE	Heard	12	Burst		HMG	25-Nov, 19:20-19:25
E edge of Popasna (government-controlled, 69km W of Luhansk)	8-10km SSE	Heard	60	Explosion	Undetermined	N/K	26-Nov, 13:00-13:10
500m north of Pervomaisk (non-	4-5km NNE	Heard	2	Explosion	Undetermined	N/K	26-Nov, 12:32-12:33

government-controlled, 58km W of Luhansk)							
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### Map of Donetsk and Luhansk regions<sup>11</sup>



<sup>11</sup> 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).