



Daily Report 45/2020

24 February 2020¹

Summary

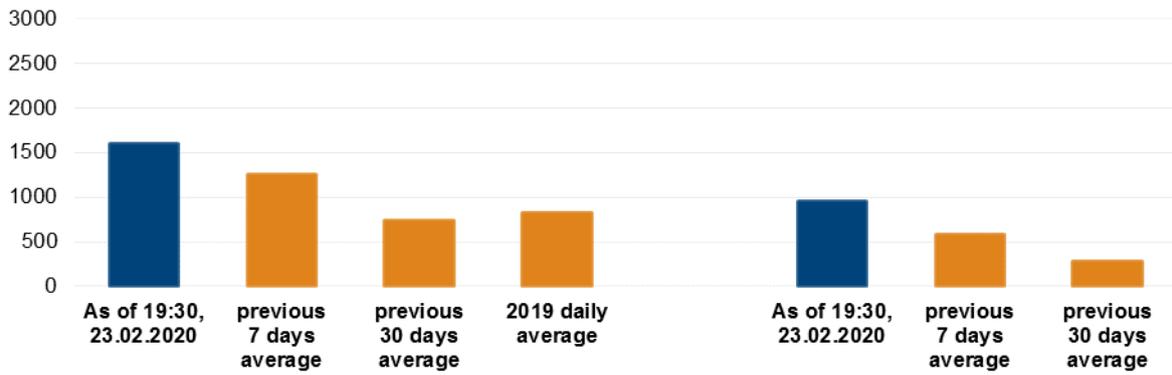
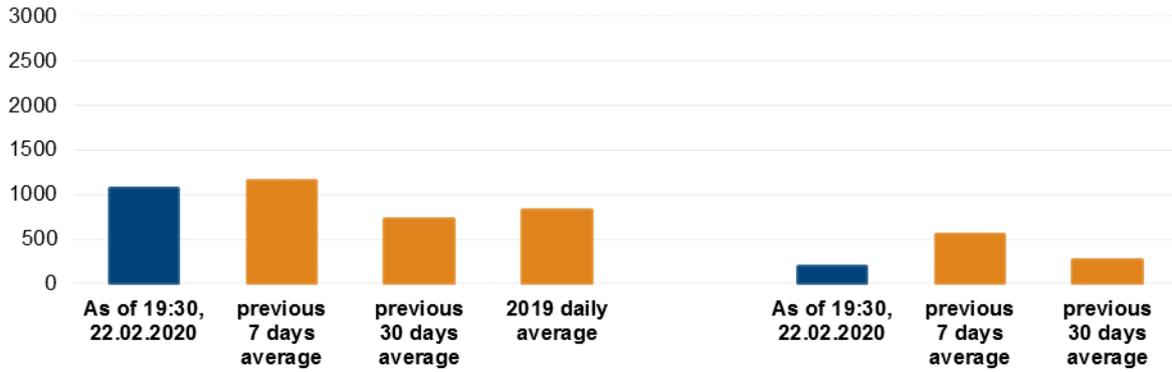
- Between the evenings of 21 and 22 February, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region, compared with the previous reporting period.
- Between the evenings of 22 and 23 February, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions, compared with the previous 24 hours.
- The SMM saw damage from gunfire to residential buildings in non-government-controlled Zolote-5/Mykhailivka, Luhansk region, and Oleksandrivka, Donetsk region.
- It continued monitoring the security situation in the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske.
- The SMM saw weapons in violation of withdrawal lines on both sides of the contact line in Luhansk region.
- It facilitated localized ceasefires to enable repairs to critical civilian infrastructure on both sides of the contact line in Donetsk and Luhansk regions. Repairs near Holubivske were interrupted due to the high number of ceasefire violations heard from the area.
- The SMM's freedom of movement continued to be restricted, including at checkpoints of the armed formations near Verkhnoшыrokiyske and Starolaspa, in southern Donetsk region.*

¹Based on information from the Monitoring Teams as of 19:30, 23 February. All times are in Eastern European Time. The SMM camera near Hnutove was not operational during the reporting period.

Ceasefire violations²

Number of recorded ceasefire violations³

Number of recorded explosions⁴



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

³ Including explosions.

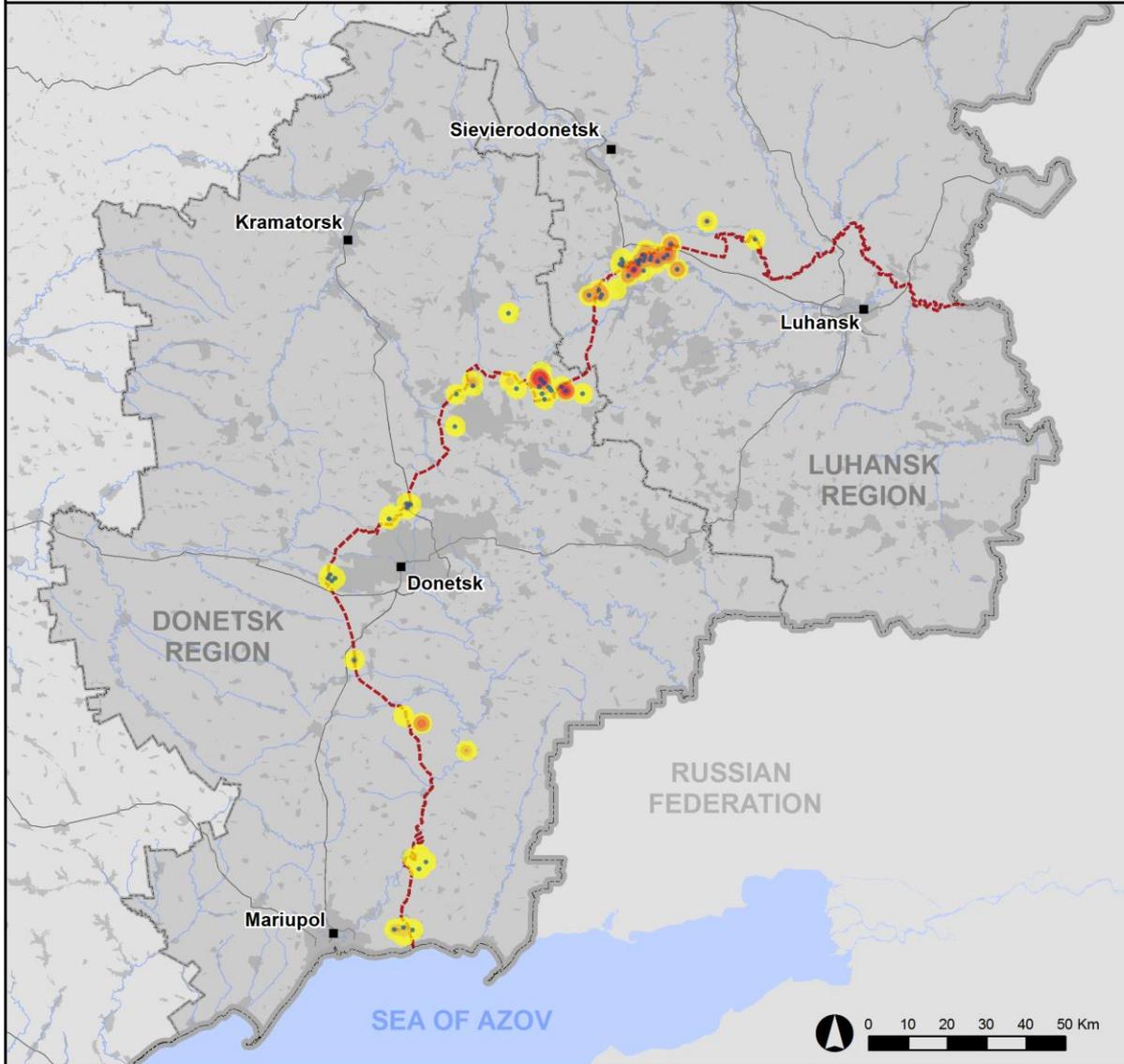
⁴ Including from unidentified weapons.

Map of recorded ceasefire violations

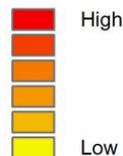


Organization for Security and
Co-operation in Europe
Special Monitoring Mission to Ukraine

Ceasefire violations observed by the SMM 22 - 23 February 2020



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: 24/02/2020

In Donetsk region, between the evenings of 21 and 22 February, the SMM recorded fewer ceasefire violations, including fewer explosions (about 40), compared with the [previous reporting period](#) (195 explosions). Most ceasefire violations, including most explosions, were recorded at easterly and southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk).

Between the evenings of 22 and 23 February, the SMM recorded more ceasefire violations, including more explosions (about 400), compared with the previous 24 hours. Most ceasefire violations, including most explosions, were recorded in areas north-west of Debaltseve (non-government-controlled, 58km north-east of Donetsk) and south-east of Svitlodarsk.

In Luhansk region, between the evenings of 21 and 22 February, the Mission recorded more ceasefire violations, including more explosions (about 150), compared with the [previous reporting period](#) (95 explosions). Most ceasefire violations were recorded in areas east, north-west and north-east of Holubivske (non-government-controlled, 51km west of Luhansk) and in areas east and south-east of Orikhove (government-controlled, 57km north-west of Luhansk), including a total of about 80 explosions.

Between the evenings of 22 and 23 February, the SMM recorded more ceasefire violations, including more explosions (about 550), compared with the previous 24 hours. The majority of ceasefire violations, including the majority of the explosions, were again recorded at westerly and northerly directions of Holubivske and at south-easterly directions of Orikhove, including about 195 explosions of mortar rounds. These were the same areas where the SMM recorded a spike in the number of ceasefire violations on 18 February (see [SMM Spot Report 18 February 2020](#)).

Small-arms fire hit residential building in Zolote-5/Mykhailivka

On 21 February, at 5 Voikova Street in Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk), the SMM saw a hole in each pane of a double-glazed north-north-east facing window of an apartment on the second floor of a three-storey building. The SMM assessed the damage as caused by a bullet (7.62mm). A resident of the apartment (man, aged 56) told the SMM that the house had been hit at around 08:00 on 18 February.⁵

Damage to civilian properties from gunfire and craters in Oleksandrivka

On 23 February, the SMM observed damage from gunfire to civilian properties in a neighbourhood in the south-eastern part of Oleksandrivka (non-government-controlled, 20km south-west of Donetsk).

At 343 Lenina Street, the SMM saw that the south-western part of the roof of a one-storey house had been partially destroyed. At 303 Shkilna Street, it saw a hole in the south-west-facing wall of a one-storey house, as well as shrapnel damage above it and to the adjacent front door. At 291 Shkilna Street, the SMM saw a hole in the south-facing side of a one-storey house. It saw scattered metal fragments on the surrounding ground, including remnants of ammunition of infantry fighting vehicle (IFV) (BMP-2) (30mm) rounds. The SMM assessed all aforementioned damage as caused by (30mm) rounds from IFV (BMP-2) cannon, fired from a south-westerly

⁵ On 21 February, the SMM followed up on reports of civilian casualty at a hospital in Holubivka (not in Holubivske, as reported in SMM Daily Report 22 February 2020).

direction. The owners of two of the houses (a man aged 30-40, a woman aged 70-80) separately told the SMM that shelling had occurred at around 04:00 on 22 February.

At 304 Shkilna Street, the SMM saw a fresh crater (about 130cm in diameter) in the yard about 10m south of a one-storey house. The SMM was unable to assess the calibre and the direction of fire. It saw shrapnel damage to a south-west facing windowpane in each one-storey house at 289 and 297 Shkilna Street. The owners of two of the houses (a man, aged 60-70 and a woman aged 60) told the SMM that shelling had occurred at around 04:00 on 22 February.

At 316A Horkoho Street, the SMM saw a hole in the south-west-facing part of the roof and another hole in the south-west-facing wall of a one-storey house; it assessed the damage as caused by (30mm) rounds from an IFV (BMP-2), fired from a south-westerly direction. About 15m south, the SMM saw a fresh crater in the yard of the house; it could not assess the calibre and direction of fire.

At 255 Shevchenko Street, the SMM saw a hole in the south-west-facing metal front gate of a one-storey house, as well as a hole in the south-west-facing garage metal door. At 255B Shevchenko Street, the SMM saw that the south-west-facing part of the roof of a one-storey house had been partially destroyed. It assessed the damage to both houses as caused by (30mm) rounds from an IFV (BMP-2) cannon, fired from a south-westerly direction. The SMM also saw two fresh craters in a field 30m south of the first house. The SMM was unable to assess the calibre and direction of fire.

At 257 Shevchenko Street, the SMM saw shrapnel damage to a west-facing wall and fence of a one-storey house, and two shattered south-facing windows. The SMM saw two fresh craters in the yard about 40m north of the house and three additional fresh craters in a field approximately 15-20m south of the house. The SMM was unable to assess the calibre and direction of fire. The owner of the house (a man, aged 50-60) told the SMM that shelling had occurred at around 04:00 on 22 February.

Disengagement areas near Stanytsia Luhanska, Zolote and Petrivske⁶

On 22 and 23 February, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw members of the armed formations (wearing armbands with "JCCC" written on them) between the new span of the Stanytsia Luhanska bridge (15km north-east of Luhansk) and the checkpoint of the armed formations south of the bridge.

On the evening and night of 22 and 23 February, the SMM camera in Zolote (government-controlled, 60km west of Luhansk) recorded an undetermined explosion at an assessed range of 1-2km east-south-east (unable to be assessed whether inside or outside the **disengagement area near Zolote**). The same camera also recorded six projectiles and five undetermined explosions at an assessed range of 1-3km east and east-south-east (all assessed as outside the area but within 5km of its periphery). During the day on 23 February, while positioned at five locations, the SMM heard about 360 explosions (of which about 180 were assessed as mortar rounds) and about 130 shots and bursts of small-arms and heavy-machine-gun fire (all assessed as outside the disengagement area but within 5km of its periphery). On 22 and 23 February, the SMM saw

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

members of the armed formations (wearing armbands with “JCCC” written on them) near the southern edge of the Zolote disengagement area.

During the day on 22 February, while positioned close to **the disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), the SMM observed a calm situation. On 23 February, while positioned about 2km north of Petrivske, the SMM recorded about 100 shots and bursts of small-arms fire at an assessed range of 3-4km south-south-east and west-south-west (all assessed as outside the disengagement area but within 5km of its periphery).

The same day, the SMM saw for the first time a mine hazard sign – a red square with “Danger, Mine” written on it in Russian and English – next to a road in Petrivske, about 20m east of its camera.

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.

On 20 February, the Mission saw a self-propelled howitzer (2S1 *Gvozdika*, 122mm) in violation of withdrawal lines in a government-controlled area of Luhansk region. On 23 February, the SMM saw six towed howitzers (D-30 *Lyagushka*, 122mm) in violation of withdrawal lines in non-government-controlled Luhansk city (see table below for further details).

Indications of military and military-type presence in the security zone⁷

The SMM observed armoured combat vehicles (ACV) on both sides of the contact line (for further details, see table below). Some of the ACVs were in areas near the international border in non-government-controlled areas of Luhansk region (see table below for further details).

Craters near Pikuzy

Aerial imagery available to the SMM revealed the presence on 16 February of three craters about 2kmsouth-south-west of Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk).About 1km further south, the same imagery revealed the presence of three additional craters. The SMM was unable to assess the calibre and direction of fire. All aforementioned craters were not visible from imagery of 23 January 2020.

Mine hazard sign in Trokhizbenka

On 22 February, the SMM saw for the first time a mine hazard sign – a yellow and red square attached to a metal post with “Attention! Area not safe!” written on it in Ukrainian – in the middle of a road used by the SMM and civilians on the south-eastern outskirts of Trokhizbenka (government-controlled, 32km north-west of Luhansk).

SMM facilitation of repairs to and operation of critical civilian infrastructure

On 22 and 23 February, the SMM facilitated and monitored adherence to localized ceasefires to enable repairs to power lines between non-government-controlled Berezivske (53km north-west

⁷ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

of Luhansk) and Donetsk (49km west of Luhansk). On 23 February, while positioned for about four hours in Holubivske to monitor adherence to the aforementioned ceasefire, the SMM heard about 340 ceasefire violations, including explosions, at an assessed range of 2-8km west, north-west and north. At around 13:00, the repair crew interrupted the works due to the deterioration of the security situation in the area.

On 22 and 23 February, the Mission continued to facilitate the maintenance and operation of the Donetsk Filtration Station (15km north of Donetsk) and monitor 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 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 19 February 2020](#)). 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 22 and 23 February, at a checkpoint west of Verkhnohshyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), armed members of the armed formations [again](#) denied the SMM passage, citing an “ongoing operation in the area” and “orders from superiors” respectively. While at the checkpoint, the Mission saw cars passing through it in both directions.
- On 22 February, at a checkpoint east of Starolaspa (non-government-controlled, 51km south of Donetsk), an armed member of the armed formations denied the SMM passage, citing “ongoing operation in the area”. While at the checkpoint, the SMM saw cars passing through it in both directions and heard small-arms fire at an assessed distance of 1-2km south-south-east.

Regular restrictions related to disengagement areas and mines/UXO:

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

Other impediments:

- On 22 February, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, on three occasions, while flying over areas near non-government-controlled Donetsk (49km west of Luhansk) and Holubivka (formerly Kirovsk, 51km west of Luhansk). On all three occasions, the SMM landed its UAV safely.⁸

⁸The interference could have occurred within a radius of several kilometres from the UAV's position.

Table of weapons

Weapons in violation withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
20/02/2020	1	Self-propelled howitzer (2S1 <i>Gvozdika</i> , 122mm)	Near Vrubivka (72km west of Luhansk)	Mini-UAV
Non-government-controlled areas				
23/02/2020	6	Towed howitzers (D-30 <i>Lyagushka</i> , 122mm)	In Luhansk city	Patrol

Table of indications of military presence in the security zone⁹

Date	No.	Type	Location	Source of observation
Government-controlled areas				
16/02/2020	4	Armoured combat vehicle	In Talakivka (90km south of Donetsk)	Aerial imagery
20/02/2020	3	Armoured combat vehicle	Near and in Troitske (69km west of Luhansk)	Mid-range UAV
	3	Infantry fighting vehicle (BMP-1)		
	3	Armoured combat vehicle	Near Popasna (69km west of Luhansk)	
22/02/2020	1	Armoured personnel carrier (BTR-80)	In Zalizne (formerly Artemove, 42km north-east of Donetsk)	Patrol
	1	Armoured personnel carrier (BTR-70)	Near Pyshevyk (84km south of Donetsk)	
	1	Armoured personnel carrier (BTR-70)	Near Chermalyk (77km south of Donetsk)	
23/02/2020	1	Armoured personnel carrier (BTR-80)	Near Orikhove (57km north-west of Luhansk)	Patrol
	1	Armoured recovered vehicle (BREM-2)	In Oleksandropillia (71km west of Luhansk)	
Non-government-controlled areas				
20/02/2020	2	Probable armoured combat vehicle	Near Novokyivka (25km east of Luhansk)	Mini-UAV
	4	Infantry fighting vehicle (3 BMP-1 and one BMP variant)		
	1	Armoured personnel carrier (MT-LB)		

⁹ 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 23 February 2020¹⁰

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SW	Recorded	1	Projectile	ESE to WNW	N/K	21-Feb, 21:47
	1-2km SW	Recorded	1	Projectile	ESE to WNW	N/K	21-Feb, 22:27
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	2	Muzzle flash		N/K	21-Feb, 20:59
	2-4km SE	Recorded	2	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 20:59
	2-4km SE	Recorded	1	Muzzle flash		N/K	21-Feb, 20:59
	2-4km SE	Recorded	1	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 21:01
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:58
	3-5km NE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:58
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	21-Feb, 23:58
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Muzzle flash	W to E	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Projectile	W to E (subsequent to the previous event)	N/K	21-Feb, 23:59
	3-5km NE	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	21-Feb, 23:59
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	21-Feb, 23:59
	2-4km NE	Recorded	1	Muzzle flash		N/K	22-Feb, 00:00
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 00:02
3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 00:05	
2-4km NE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 05:37	
E of Starolaspa (non-government-controlled, 51km S of Donetsk)	1-2km SSE	Heard	15	Shot		Small arms	22-Feb, 11:50
Chermalyk (government-controlled, 77km S of Donetsk)	2-3km E	Heard	3	Shot		Small arms	22-Feb, 12:30
About 500m W Pivnichne (government-controlled, 44km NE of Donetsk)	3-5km E	Heard	2	Explosion	Undetermined	N/K	22-Feb, 10:48-10:49
Svitlodarsk (government-controlled, 57km NE of Donetsk)	1-3km SE	Heard	9	Shot		Small arms	21-Feb, 18:59
	1-3km SE	Heard	24	Burst		Small arms	21-Feb, 19:00-19:01
	1-3km SE	Heard		Burst	Uncountable	HMG	21-Feb, 19:10-19:15

¹⁰The table only includes ceasefire violations directly observed by the SMM patrols or recorded by the SMM cameras 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 technical monitoring officers, 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 technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

1-3km SE	Heard		Shot	Uncountable	Small arms	21-Feb, 19:13-19:15
1-3km SE	Heard	31	Shot		Small arms	21-Feb, 19:16-19:29
1-3km SE	Heard	30	Burst		HMG	21-Feb, 19:20-19:27
3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 19:28
1-3km SE	Heard		Shots and bursts	Uncountable	Small arms	21-Feb, 19:41-19:43
1-3km SE	Heard	45	Shot		Small arms	21-Feb, 19:43-19:59
1-3km SE	Heard	29	Burst		HMG	21-Feb, 19:45-20:00
5-7km SW	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:01
5-7km SE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 20:01-20:02
3-5km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:04
1-3km SE	Heard	68	Burst		Small arms	21-Feb, 20:07-20:26
1-3km SE	Heard	9	Shot		Small arms	21-Feb, 20:10-20:16
3-5km SE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 20:17-20:25
1-3km SE	Heard		Shots and bursts	Uncountable	HMG	21-Feb, 20:31-20:34
1-3km SE	Heard	9	Burst		Small arms	21-Feb, 20:38-21:00
3-5km SSE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 20:42
1-3km SE	Heard	21	Shot		Small arms	21-Feb, 20:53-20:59
7-8km SSE	Heard	4	Explosion	Undetermined	N/K	21-Feb, 21:14-23:32
2-3km SE	Heard	8	Burst		HMG	21-Feb, 21:15-21:17
2-3km SE	Heard	6	Burst		HMG	21-Feb, 21:25
1-3km SE	Heard	15	Shot		Small arms	21-Feb, 21:27
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 21:31
2-3km SE	Heard	14	Burst		HMG	21-Feb, 21:34-21:35
1-3km SE	Heard	22	Shot		Small arms	21-Feb, 21:37-21:39
2-3km SE	Heard	3	Burst		HMG	21-Feb, 21:38
6-7km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 21:46
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 21:46
6-7km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 21:50
2-3km SE	Heard	26	Burst		HMG	21-Feb, 21:52-21:55
1-3km SE	Heard	2	Shot		Small arms	21-Feb, 21:57
2-3km SE	Heard	15	Burst		HMG	21-Feb, 21:59-22:00
2-3km SE	Heard	1	Burst		HMG	21-Feb, 22:02
1-3km SE	Heard	5	Shot		Small arms	21-Feb, 22:17-22:18
2-3km SE	Heard	3	Burst		HMG	21-Feb, 22:23
5-6km SE	Heard	3	Explosion	Undetermined	N/K	21-Feb, 22:24
1-3km SE	Heard	4	Shot		Small arms	21-Feb, 22:24
2-3km SE	Heard	12	Burst		HMG	21-Feb, 22:27
1-3km SE	Heard	2	Shot		Small arms	21-Feb, 22:31
2-3km SE	Heard	4	Burst		HMG	21-Feb, 22:37
2-3km SE	Heard	3	Burst		HMG	21-Feb, 22:48
1-3km SE	Heard	8	Shot		Small arms	21-Feb, 22:50
2-3km SE	Heard	7	Burst		HMG	21-Feb, 23:07-23:09
1-3km SE	Heard	15	Shot		Small arms	21-Feb, 23:08-23:09

	2-3km SE	Heard	8	Burst		HMG	21-Feb, 23:14-23:16
	2-3km SE	Heard	2	Explosion	Undetermined	N/K	21-Feb, 23:18-23:20
	2-3km SE	Heard	2	Burst		HMG	21-Feb, 23:26
	2-3km SSE	Heard	61	Burst		HMG	21-Feb, 23:32-23:40
	1-3km SSE	Heard	15	Shot		Small arms	21-Feb, 23:33-23:38
	2-3km SE	Heard	10	Burst		HMG	21-Feb, 23:48-23:50
	5-6km SE	Heard	1	Explosion	Undetermined	N/K	21-Feb, 23:51
	1-3km SE	Heard	5	Shot		Small arms	21-Feb, 23:52
	2-3km SE	Heard	8	Burst		HMG	21-Feb, 23:57
	5-7km SSE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 15:22
	5-7km SSE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 15:23
	5-7km SSE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 15:31
	2-3km SSE	Heard	2	Burst		HMG	22-Feb, 15:31
	1-3km E	Heard	6	Burst		HMG	22-Feb, 18:25
2.5km NE of Vyskryva (government-controlled, 76km W of Luhansk)	12-15km WSW	Heard	2	Explosion	Undetermined	N/K	22-Feb, 10:50-11:00
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-4km NW	Heard	4	Burst		Small arms	22-Feb, 12:02-12:03
	2-4km NNE	Heard	4	Burst		HMG	22-Feb, 13:39-13:40
	3-5km E	Heard	8	Explosion	Undetermined	N/K	22-Feb, 13:39-13:59
	3-5km E	Heard	50	Burst		HMG	22-Feb, 13:39-13:59
	3-5km NNE	Heard	45	Burst		HMG	22-Feb, 14:00-14:15
	3-5km NNE	Heard	42	Explosion	Undetermined	N/K	22-Feb, 14:00-14:15
	2-4km NNW	Heard	65	Burst		Small arms	22-Feb, 14:20-14:32
	3-5km NNE	Heard	13	Explosion	Undetermined	N/K	22-Feb, 14:20-14:32
	2-4km NNW	Heard	45	Shot		HMG	22-Feb, 14:20-14:32
	3-5km NNE	Heard	19	Burst		HMG	22-Feb, 14:20-14:32
NW edge of Orikhove (government-controlled, 57km NW of Luhansk)	3-5km SE	Heard	3	Explosion	Undetermined	N/K	22-Feb, 13:22-13:45
	8-10km ESE	Heard	4	Explosion	Undetermined	N/K	22-Feb, 13:22-13:45
	3-5km ESE	Heard	25	Shot and burst		N/K	22-Feb, 14:25-15:00
	8-12km E	Heard	79	Explosion	Undetermined	N/K	22-Feb, 14:25-15:00
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Muzzle flash		N/K	22-Feb, 21:18
	2-4km SE	Recorded	1	Projectile	WSW to ENE (subsequent to the previous event)	N/K	22-Feb, 21:18
	2-4km SE	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 21:20
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	22-Feb, 21:20
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-7km SE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 05:44
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km SSW	Recorded	1	Explosion	Airburst	N/K	22-Feb, 19:16
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 19:18
	1.5-3km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 19:19
	0.5-2km S	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 00:19
	0.5-2km SSW	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:14
	0.5-2km SSW	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:30
	0.5-2km SSW	Recorded	1	Projectile	NW to SE	N/K	23-Feb, 02:35
SMM camera at entry-exit checkpoint in Maiorsk (government-	2-4km ENE	Recorded	15	Projectile	SE to NW	N/K	22-Feb, 21:23
	2-4km E	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 04:36
	2-4km E	Recorded	1	Muzzle flash		N/K	23-Feb, 05:07
	2-4km E	Recorded	1	Projectile	NNW to SSE (subsequent to	N/K	23-Feb, 05:07

controlled, 45km NE of Donetsk)					the previous event)		
	2-4km E	Recorded	1	Explosion	Impact (subsequent to the previous event)	N/K	23-Feb, 05:07
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:16
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Feb, 02:22
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:23
	4-6km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	23-Feb, 02:24
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	23-Feb, 02:25
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	1	Projectile	SE to NW	N/K	22-Feb, 20:33
	3-5km N	Recorded	2	Muzzle flash		N/K	22-Feb, 20:41
	3-5km N	Recorded	4	Projectile	SE to NW	N/K	22-Feb, 21:14
	5-7km NNW	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 22:09
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:10
	5-7km NNW	Recorded	3	Explosion	Undetermined	N/K	22-Feb, 22:17
	5-7km NNW	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 22:19
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:19
	5-7km NNW	Recorded	4	Explosion	Undetermined	N/K	22-Feb, 22:23
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:23
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:24
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:24
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	22-Feb, 22:44
	5-7km N	Recorded	1	Illumination flare	In vertical flight	N/K	22-Feb, 23:21
	5-7km NNE	Recorded	2	Explosion	Undetermined	N/K	22-Feb, 23:55
	5-7km N	Recorded	1	Projectile	E to W	N/K	23-Feb, 01:12
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-Feb, 02:33
	SE outskirts of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	3	Burst		HMG
About 1km E of Kruta Balka (non-government-controlled, 16 km N of Donetsk)	4-5km SW	Heard	4	Explosion	Undetermined	N/K	23-Feb, 10:32-10:44
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	3-4km SSE	Heard	23	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 11:49-12:10
	3-4km SSE	Heard	16	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 11:49-12:10
	3-4km WSW	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 11:45
	3-4km SSE	Heard	1	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:11
	3-4km SSE	Heard	4	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:27-12:35

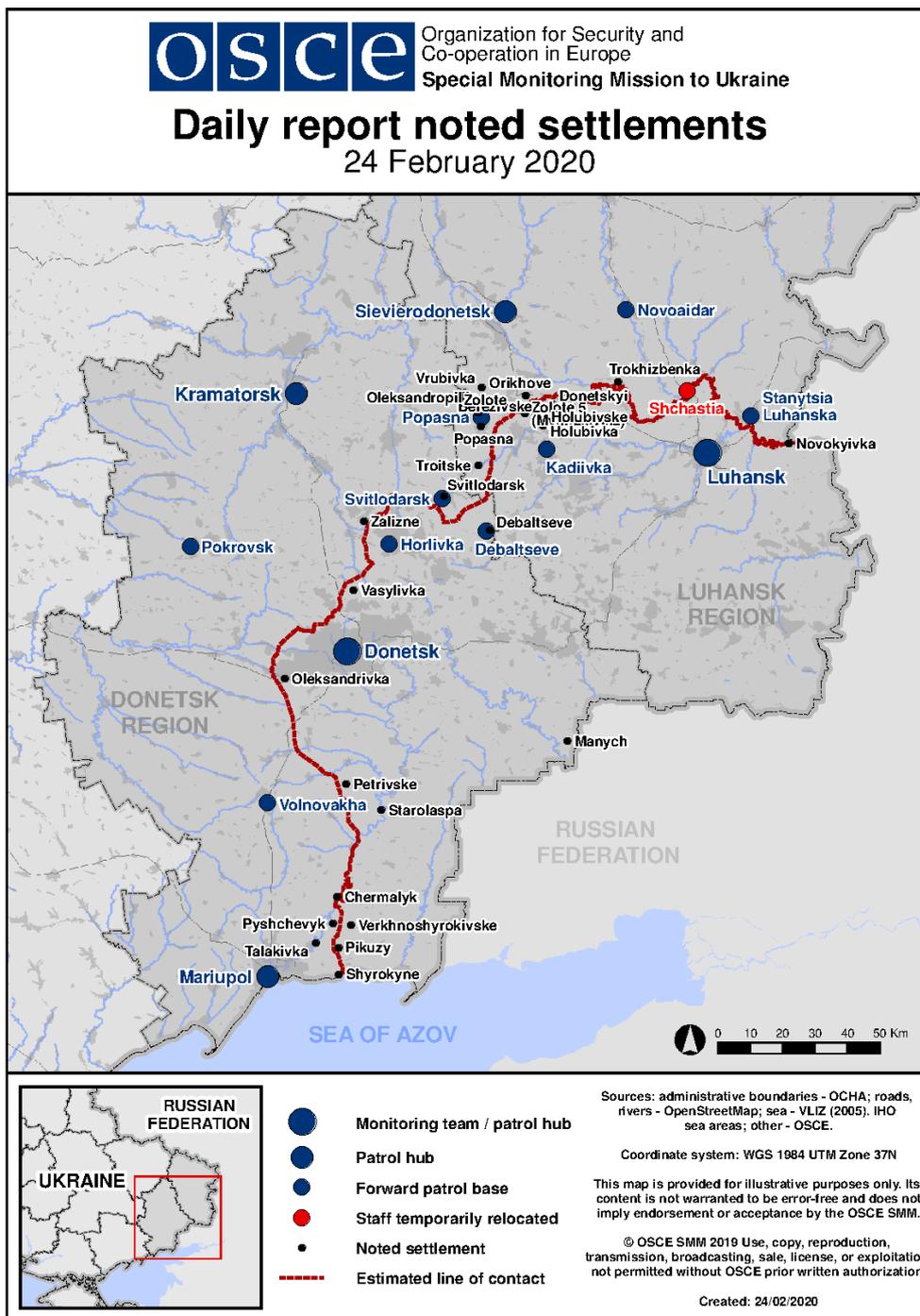
	3-4km SSE	Heard	19	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 13:05-13:10
	3-4km SSE	Heard	30	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 13:55-14:00
	3-4km SSE	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 13:55-14:00
SE edge of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	2-3km NW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 08:57
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 09:03
Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-10km NW	Heard	50	Explosion	Undetermined	N/K	23-Feb, 15:55-16:16
	8-10km NW	Heard	4	Explosion	Undetermined	N/K	23-Feb, 16:22
	8-10km NW	Heard	7	Explosion	Undetermined	N/K	23-Feb, 16:22
	5-10km NW	Heard	106	Explosion	Undetermined	N/K	23-Feb, 16:28-16:43
	5-10km NW	Heard	125	Explosion	Undetermined	N/K	23-Feb, 16:16-16:28
	5-10km NW	Heard	23	Explosion	Undetermined	N/K	23-Feb, 16:45-17:00
	5-10km NW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 17:00-17:25
Chermalyk (government-controlled, 77km S of Donetsk)	1-1.5km SE	Heard	6	Shot		Small arms	23-Feb, 12:36
	4-5km ESE	Heard	1	Explosion	Undetermined	N/K	23-Feb, 12:47
Novoluhanske (government-controlled, 53km NE of Donetsk)	2-3km SW	Heard	10	Burst		HMG	23-Feb, 13:06
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 18:41
	2-3km SE	Heard	15	Burst		Small arms	22-Feb, 18:45-18:48
	2-3km SE	Heard	4	Shot		Small arms	22-Feb, 18:47
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 18:49
	2-3km SE	Heard	6	Shot		Small arms	22-Feb, 18:53
	2-4km SE	Heard	8	Burst		HMG	22-Feb, 18:55
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	22-Feb, 18:57
	2-3km SE	Heard	5	Shot		Small arms	22-Feb, 18:58
	2-3km SE	Heard	12	Burst		Small arms	22-Feb, 19:06-19:08
	2-4km SE	Heard	12	Burst		HMG	22-Feb, 19:15
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 19:29
	2-4km SE	Heard	2	Explosion	Undetermined	N/K	22-Feb, 19:31
	2-4km SE	Heard	9	Burst		HMG	22-Feb, 19:31
	2-4km SE	Heard	12	Burst		Small arms	22-Feb, 19:31-19:32
	2-4km SE	Heard	18	Burst		HMG	22-Feb, 19:33-19:35
	2-4km SE	Heard	8	Burst		Small arms	22-Feb, 19:33-19:35
	2-4km SE	Heard	12	Burst		HMG	22-Feb, 19:36-19:37
	2-4km SE	Heard	5	Burst		HMG	22-Feb, 19:39
	2-4km SE	Heard	28	Burst		Small arms	22-Feb, 19:45-19:55
	2-4km SE	Heard	5	Burst		Small arms	22-Feb, 20:10
2-4km SE	Heard	13	Burst		Small arms	22-Feb, 20:14-20:17	

	2-4km SE	Heard	12	Burst		Small arms	22-Feb, 20:45-20:47
	3-4km SE	Heard	5	Burst		HMG	22-Feb, 20:55
	2-4km SE	Heard	6	Burst		Small arms	22-Feb, 20:59
	2-4km SE	Heard	5	Shot		Small arms	22-Feb, 21:00
	2-4km SE	Heard	11	Burst		Small arms	22-Feb, 21:03
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 21:25
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 21:37
	2-4km SE	Heard	2	Burst		HMG	22-Feb, 21:52
	2-4km SE	Heard	5	Burst		HMG	22-Feb, 21:57-22:01
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 22:09
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 22:23-22:25
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 22:30-22:35
	2-4km SE	Heard	2	Burst		HMG	22-Feb, 22:42
	2-4km SE	Heard	7	Burst		HMG	22-Feb, 23:12-23:14
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 23:43
	2-4km SE	Heard	6	Burst		HMG	22-Feb, 23:47-23:49
	2-4km SE	Heard	3	Burst		HMG	22-Feb, 23:58
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km W	Heard	1	Explosion	Undetermined	N/K	23-Feb, 17:50
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	1-3km ENE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	22-Feb, 22:15
	1-3km E	Recorded	1	Projectile	S to N (assessed as outside the disengagement area)	N/K	23-Feb, 02:29
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:29
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	1	Projectile	N to S (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	2	Projectile	S to N (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km E	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:30
	1-3km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 02:58
	1-3km E	Recorded	2	Projectile	S to N (assessed as outside the	N/K	23-Feb, 02:58

					disengagement area)		
	1-2km ESE	Recorded	1	Explosion	Undetermined (unable to be assessed inside or outside the disengagement area)	N/K	23-Feb, 02:08
S edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km NW	Heard	1	Burst		HMG	23-Feb, 09:11-09:33
	3-5km NW	Heard	1	Shot		HMG	23-Feb, 09:11-09:33
	4-5km W	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	6-7km WNW	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	3-5km NW	Heard	4	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 09:11-09:33
	2-3km NW	Heard	5	Burst		HMG	23-Feb, 09:41-09:52
	3-5km NW	Heard	4	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 10:04-10:16
	6-7km WNW	Heard	2	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 10:04-10:16
	2-3km NW	Heard	4	Burst		HMG	23-Feb, 10:04-10:16
	6-8km W	Heard	156	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 12:15-13:12
	6-8km W	Heard	60	Burst	Assessed as outside the disengagement area	HMG	23-Feb, 12:15-13:12
	6-8km W	Heard	28	Burst	Assessed as outside the disengagement area	Small arms	23-Feb, 12:15-13:12
Holubivske (non-government-controlled, 51km W of Luhansk)	4-6km W	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 10:48-10:52
	2-3km NW	Heard	7	Burst		HMG	23-Feb, 11:12-11:19
NE edge of Holubivske (non-government-controlled, 51km W of Luhansk)	3-5km W	Heard	22	Explosion	Undetermined	Mortar (type N/K)	23-Feb, 13:20-13:31
	3-5km W	Heard	19	Burst		HMG	23-Feb, 13:20-13:31
	1-2km N	Heard	22	Burst		HMG	23-Feb, 13:20-13:31
W edge of Orikhove-Donetske (government-controlled, 44km NW of Luhansk)	5km SSE	Heard	15	Explosion	Undetermined	N/K	23-Feb, 09:45-10:00
3km W of Orikhove (government-controlled, 57km NW of Luhansk)	5-8km SSE	Heard	172	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:20-13:15
E edge of Kriakivka (government-	10km SSE	Heard	5	Explosion	Undetermined	N/K	23-Feb, 10:25-10:40

controlled, 38km NW of Luhansk)							
3km N of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km SSW	Heard	2	Shot		Small arms	23-Feb, 10:35-10:36
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km SW	Heard	2	Explosion	Undetermined	N/K	23-Feb, 13:52-13:53
	2-5km SW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 14:22-14:37
	2-5km WSW	Heard	35	Explosion	Undetermined	N/K	23-Feb, 14:22-14:37
Holubivka (former Kirovsk, non-government-controlled, 51km W of Luhansk)	6-9km NW	Heard	17	Explosion	Undetermined (assessed as outside the disengagement area)	Mortar (type N/K)	23-Feb, 11:55-12:05
W edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	2-5km N	Heard	8	Explosion	Undetermined	N/K	23-Feb, 12:02-12:12
	2-5km N	Heard	50	Shot		Small arms	23-Feb, 12:02-12:12
	1-2km N	Heard	3	Burst		HMG	23-Feb, 12:02-12:12
	3-5km NNE	Heard	5	Explosion	Undetermined	N/K	23-Feb, 12:02-12:12
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	6-8km ENE	Heard	8	Explosion	Undetermined	N/K	23-Feb, 12:21-12:40
	3-5km NE	Heard	9	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:21-12:40
	1-3km NW	Heard	8	Burst	Assessed as outside the disengagement area	HMG	23-Feb, 12:21-12:40
	1-2km SW	Heard	5	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	23-Feb, 12:21-12:40
	1-2km SW	Heard	40	Shot	Assessed as outside the disengagement area	Small arms	23-Feb, 12:21-12:40
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-8km SSE	Heard	37	Explosion	Undetermined	N/K	23-Feb, 14:23-14:45
	4-8km SSE	Heard	2	Burst		Small arms	23-Feb, 14:23-14:45

Map of Donetsk and Luhansk regions¹¹



¹¹ 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).