



Daily Report 305/2019

27 December 2019¹

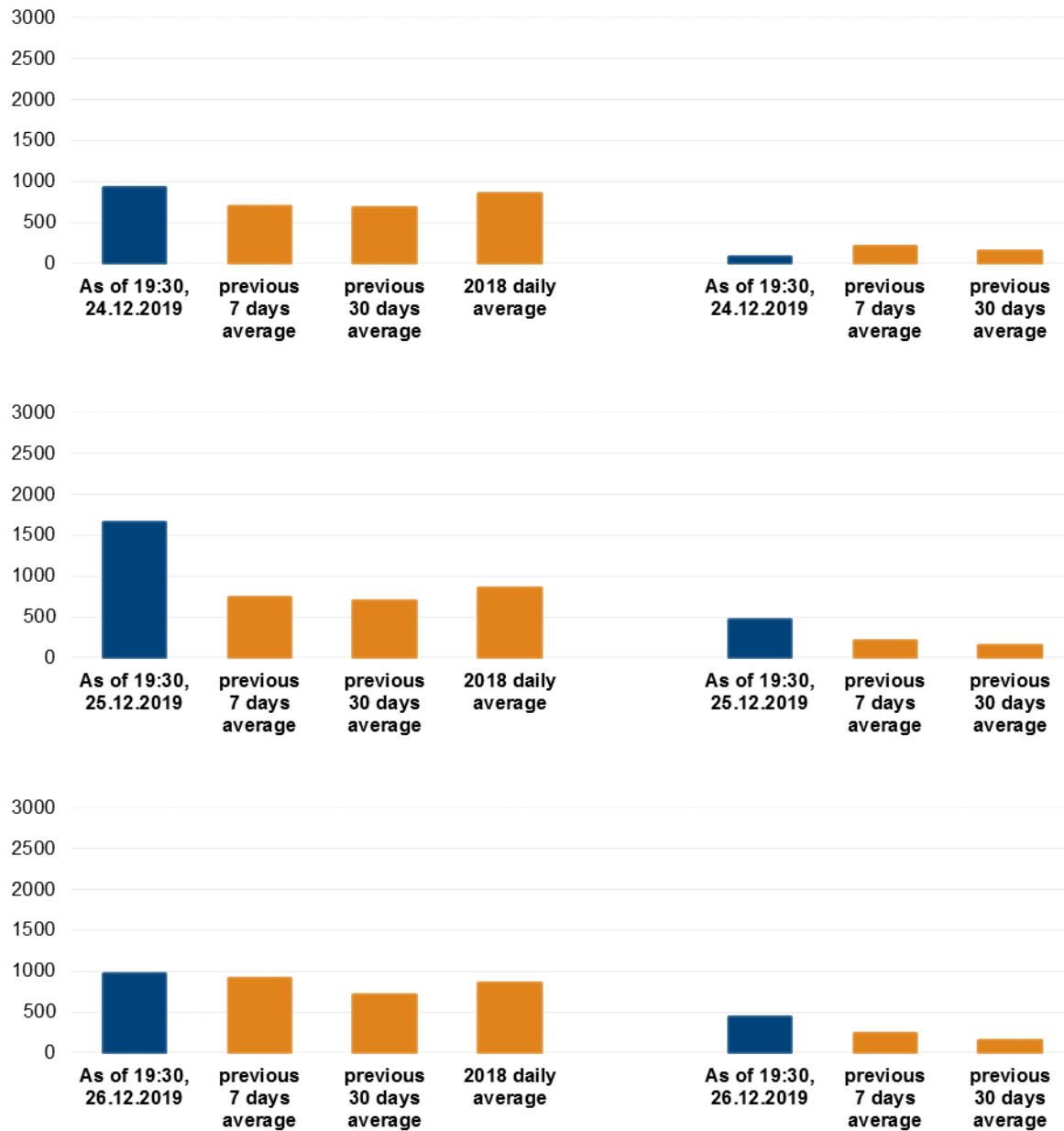
Summary

- Compared with the previous reporting period, between the evenings of 23 and 24 December, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions.
- Between the evenings of 24 and 25 December, the SMM recorded more ceasefire violations in both Donetsk and Luhansk regions, compared with the previous 24 hours.
- Between the evenings of 25 and 26 December, the Mission recorded fewer ceasefire violations in both Donetsk and Luhansk regions, compared with the previous 24 hours.
- Small-arms fire was assessed as directed at two SMM mini-unmanned aerial vehicles near non-government-controlled Dachne and government-controlled Novoselivka.
- The Mission saw personnel of the State Emergency Service of Ukraine enter the disengagement area near Zolote and de-miners from non-government-controlled areas clearing vegetation inside the area.
- Inside the Stanytsia Luhanska disengagement area, the SMM saw workers from government-controlled areas dismantling the bypass bridge.
- The Mission continued to monitor the situation at the disengagement area near Petrivske.
- The SMM saw weapons in violation of withdrawal lines in government-controlled areas of Donetsk region and non-government-controlled areas of Luhansk region.
- The Mission facilitated and monitored adherence to localized ceasefires to facilitate the operation of and repairs to critical civilian infrastructure, including to water pipelines near Krasnyi Lyman and in Zaitseve.
- The SMM's freedom of movement continued to be restricted, including at checkpoints of the armed formations in southern Donetsk region and at border crossing points in areas not under government control.*

Ceasefire violations¹

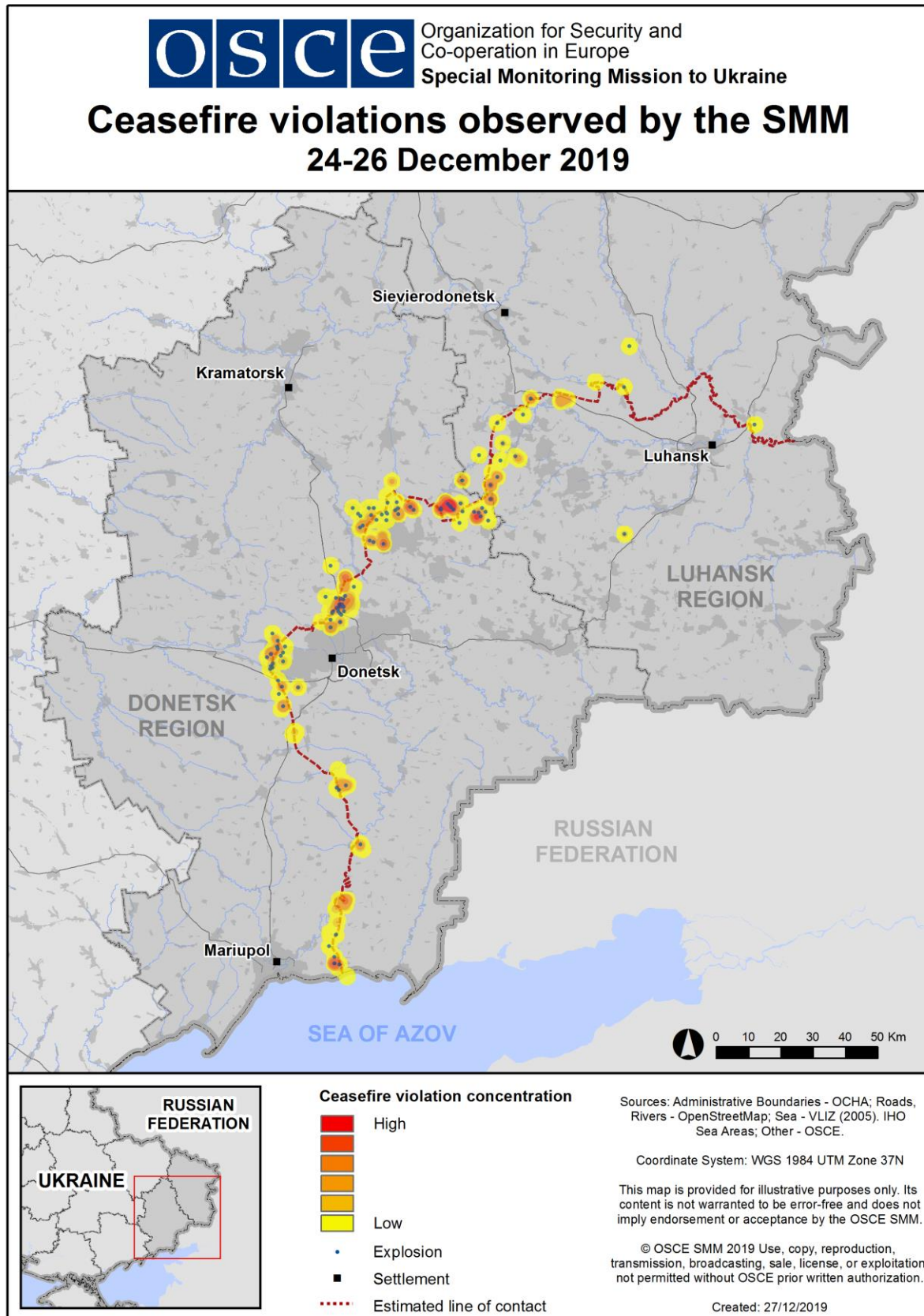
Number of recorded ceasefire violations

Number of recorded explosions



¹ For a complete breakdown of ceasefire violations, please see the annexed table.

Map of recorded ceasefire violations



In Donetsk region, between the evenings of 23 and 24 December, the SMM recorded more ceasefire violations, including, however, fewer explosions (about 50), compared with the [previous reporting period](#) (about 80 explosions). Nearly two-thirds of ceasefire violations, including the majority of explosions, were recorded at southerly directions of Svitlodarsk (government-controlled, 57km north-east of Donetsk) and in areas north and east of Shyrokyne (government-controlled, 100km south of Donetsk).

Between the evenings of 24 and 25 December, the Mission recorded more ceasefire violations, including more explosions (about 340), compared with the previous 24 hours. The majority of ceasefire violations, including the majority of explosions, were recorded in areas south-east of Svitlodarsk and at northerly, north-easterly and westerly directions of Horlivka (non-government-controlled, 39km north-east of Donetsk).

Between the evenings of 25 and 26 December, the SMM recorded fewer ceasefire violations, including, however, more explosions (about 390), compared with the previous 24 hours. The majority of ceasefire violations were recorded at northerly and westerly directions of Debaltseve (non-government-controlled, 58km north-east of Donetsk), at southerly directions of the Donetsk Filtration Station (DFS) (15km north of Donetsk) and again in areas south-east of Svitlodarsk.

In Luhansk region, between the evenings of 23 and 24 December, the SMM recorded more ceasefire violations, including, however, fewer explosions (24), compared with the [previous reporting period](#) (42 explosions). The majority of ceasefire violations were recorded in areas north and north-east of Dachne (non-government-controlled, 47km west of Luhansk) (see below) and in areas north-north-east of Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk).

Between the evenings of 24 and 25 December, the Mission recorded more ceasefire violations, including more explosions (about 120), compared with the previous 24 hours. Almost all ceasefire violations were recorded at south-westerly directions of Almazna (non-government-controlled, 55km west of Luhansk).

Between the evenings of 25 and 26 December, the SMM recorded fewer ceasefire violations, including fewer explosions (50), compared with the previous 24 hours. More than two-thirds of ceasefire violations, including half of the explosions, were recorded in areas south-south-west and north-north-west of Veselohorivka (non-government-controlled, 64km west of Luhansk).

Small-arms fire assessed as directed at two SMM mini-unmanned aerial vehicles near non-government-controlled Dachne and government-controlled Novoselivka

On 24 December, positioned on the northern edge of Dachne (non-government-controlled, 47km west of Luhansk) while conducting a mini-unmanned aerial vehicle (UAV) flight, the SMM heard about 30 shots of small-arms fire at an assessed range of 1-2km north, assessed as aimed at the UAV, which was flying about 1.3km north of its position. The SMM safely landed the UAV and left the area.*

On 25 December, positioned about 800m east of Novoselivka (government-controlled, 31km north of Donetsk) while conducting a mini-UAV flight, the SMM heard ten shots and seven bursts of small-arms fire at an assessed distance of about 2km east-north-east, assessed as

aimed at the UAV, which was flying about 3.4km east-north-east of its position. The SMM safely landed the UAV and left the area.*

Disengagement areas near Petrivske, Zolote and Stanytsia Luhanska²

On 23 December, about 100m north of the **disengagement area near Petrivske** (non-government-controlled, 41km south of Donetsk), an SMM mini-UAV [again](#) spotted 16 anti-tank mines in a field south of the road leading from Bohdanivka (government-controlled, 41km south-west of Donetsk) to Viktorivka (non-government-controlled, 42km south-west of Donetsk), assessed as belonging to the armed formations.

On 24 December, an SMM mini-UAV [again](#) spotted at least 100 anti-tank mines, starting from the northern edge of the disengagement area and running about 450m south inside the area. Outside the area, about 500m north-west of its north-western edge, the UAV spotted an infantry fighting vehicle (IFV) (BMP-2) under camouflage netting. All of the above mines and military equipment were assessed as belonging to the Ukrainian Armed Forces.

On 24 December, positioned about 2km east-north-east of Bohdanivka, the SMM heard two undetermined explosions and two bursts of heavy-machine-gun fire, all at an assessed range of 2-3km south-east and all assessed as inside the disengagement area near Petrivske. On the same day, positioned about 2km north of Petrivske, the Mission heard 20 shots of small-arms fire about 2-3km south-south-east, assessed as outside the disengagement area but within 5km of its periphery.

On 25 December, positioned in three locations around the Petrivske disengagement area, the SMM heard two undetermined explosions, as well as 23 shots and bursts of small-arms fire, all assessed as outside the disengagement area but within 5km of its periphery.

On 26 December, positioned on the western edge of Petrivske, the SMM heard three shots of small-arms fire about 1-2km south, assessed as inside the disengagement area near Petrivske. On the same day, positioned in two locations around the disengagement area, the Mission heard 12 shots and bursts of heavy-machine-gun and small-arms fire, all assessed as outside the disengagement area but within 5km of its periphery.

On 24 December, inside the **disengagement area near Zolote** (government-controlled, 60km west of Luhansk), an SMM mini-UAV [again](#) spotted at least 20 anti-tank mines (TM-62) about 700m north-north-east of the checkpoint of the armed formations on the area's southern edge, assessed as belonging to the armed formations. On the same day, about 100m north of the area's southern edge, the SMM observed 18 workers and five deminers from non-government-controlled areas clearing vegetation on both sides of road T-1316 and three members of the armed formations (wearing armbands with "JCCC" written on them) nearby.

On 24 December, outside the disengagement area, about 200m north of its northern edge, an SMM mini-UAV spotted two IFVs (BMP-2) under camouflage netting.

² Disengagement is foreseen in the Framework Decision of the Trilateral Contact Group relating to disengagement of forces and hardware of 21 September 2016.

On 24 December, positioned on the northern edge of the disengagement area, the SMM heard two undetermined explosions at an assessed range of 3-5km east-south-east, assessed as outside the disengagement area but within 5km of its periphery.

On 25 December, inside the disengagement area, the SMM saw two workers working on a power line near the checkpoint of the armed formations on the area's southern edge. Positioned on the northern edge of the disengagement area, the SMM saw five deminers of the State Emergency Service of Ukraine (SES) arriving from the direction of Katerynivka (government-controlled, 64km west of Luhansk) and exiting the disengagement area.

On 26 December, inside the disengagement area, the Mission saw for the first time the tailfin of an exploded anti-tank rocket (RPG-18 *Muha*) embedded in soft soil about 2m east of road T-1316, about 1km north-west of the checkpoint of the armed formations on the area's southern edge. Positioned on the northern edge of the disengagement area, the SMM saw four deminers and an SES vehicle as well as a Ukrainian Armed Forces officer to the Joint Centre for Control and Co-ordination (JCCC) enter the disengagement area and move towards Katerynivka, exiting the area after about two hours.

On 24, 25 and 26 December, the SMM saw members of the armed formations (wearing armbands with "JCCC" written on them) on the area's southern edge.

On 24, 25 and 26 December, inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk), the SMM saw workers from government-controlled areas dismantling wooden and metal panels of the bypass bridge. On 26 December, the SMM saw that the bypass bridge had nearly been dismantled.

On 24 December, the Mission saw six workers from non-government-controlled areas laying gravel at a parking lot south of the checkpoint of the armed formations south of the Stanytsia Luhanska bridge (15km north-east of Luhansk). On 26 December, east of the road just north of the aforesaid checkpoint, it saw four members of the armed formations with chainsaws (wearing armbands with "JCCC" written on them) clearing vegetation, as well as two workers with an excavator constructing three toilet facilities. On the same day, the SMM saw that six additional toilet facilities were being constructed close to the shuttle bus stop, about 1.8km south of the bridge.

On 24 December, outside the disengagement area, an SMM mini-UAV [again](#) spotted an IFV (BTR-3E) under camouflage netting, about 700m north of the area's northern edge, assessed as belonging to the Ukrainian Armed Forces. On 26 December, the Mission saw four SES deminers conducting de-mining works and a Ukrainian Armed Forces officer to the JCCC in two locations in a residential area of Stanytsia Luhanska, about 400-550m north of the disengagement area.

On 24, 25 and 26 December, the SMM saw members of the armed formations (wearing armbands with "JCCC" written on them) between the new section of the bridge and the checkpoint of the armed formations south of it.

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.

It saw three weapons in violation of withdrawal lines in government-controlled areas of Donetsk region and nine in non-government-controlled areas of Luhansk region. The SMM also saw eight weapons beyond withdrawal lines but outside designated storage sites in government-controlled areas of Donetsk region and seven in non-government-controlled areas of Luhansk region (for further details, see the tables below).

Weapons that the SMM could not verify as withdrawn³

At four heavy weapons holding areas in government-controlled areas of Luhansk region
23 December

The SMM noted that:

- six self-propelled howitzers (2S3 *Akatsiya*, 152mm) and five anti-tank guns (MT-12 *Rapira*, 100mm) were present, and
- two self-propelled howitzers (2S3), six anti-tank guns (MT-12) and three multiple launch rocket systems (MLRS) (BM-21 *Grad*, 122mm) continued to be missing.

25 December

The SMM noted that:

- 14 self-propelled howitzers (2S1 *Gvozdika*, 122mm) and ten MLRS (BM-21) were present, and that no weapons were missing.

Weapons permanent storage sites

At a permanent storage site in a government-controlled area of Luhansk region
23 December

The SMM noted that 20 tanks (T-72) and nine mortars (eight M120-15 *Molot*, 120mm and one KBA-48M, 82mm) continued to be missing.

Indications of military and military-type presence in the security zone⁴

The SMM observed military and military-type presence inside the security zone on both sides of the contact line in Donetsk and Luhansk regions (for further details, see the table below).

On 25 December, the SMM saw for the first time four recently dug trenches and freshly-painted concrete obstacles near a military-type compound 3-4km from Markyne (non-government-controlled, 94km south of Donetsk).

Presence of anti-tank mines near Vodiane and unexploded ordnance near Molodizhne

On 23 December, an SMM mini-UAV again spotted over 50 anti-tank mines (TM-62), part of a larger minefield, on the eastern edge of Vodiane (government-controlled, 94km south of

³ 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 continued to be abandoned.

⁴ The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Donetsk) (for previous observations, see SMM Daily Reports of [9 November 2019](#) and [25 October 2019](#)).

On 24 December, the SMM saw for the first time parts of an unexploded rocket-propelled grenade on the road T-0504, about 1km west-north-west of the checkpoint of the armed formations located about 1.8km south-west of Molodizhne (non-government-controlled, 63km west of Luhansk).

On 26 December, the Mission saw for the first time the empty casing of a projectile (assessed as not recent) 2m west of a local road on the western outskirts of Debaltseve.

Long queues at checkpoints along the contact line

On 24 December, at an entry-exit checkpoint near Marinka (government-controlled, 23km south-west of Donetsk), the SMM saw about 150 cars queuing to travel towards non-government-controlled areas. At the corresponding checkpoint of the armed formations near Kreminets (non-government-controlled, 16km south-west of Donetsk), the Mission saw at least 350 cars and 30 buses queuing to travel towards government-controlled areas.

On 24 and 26 December, about 1.8km south of the Stanytsia Luhanska bridge, the SMM saw about 300 and 1,500 pedestrians, respectively, waiting for the shuttle bus to the checkpoint of the armed formations south of the bridge. Seven pedestrians (a man and six women, mixed ages) complained to the SMM about long waiting hours for the bus.

SMM facilitation of repairs to and operation of critical civilian infrastructure

On 24, 25 and 26 December, the SMM facilitated and monitored adherence to localized ceasefires to enable repairs to critical civilian infrastructure. These included an assessment of water pipelines in Vodianie (government-controlled, 15km north-west of Donetsk); repairs to water pipelines in Zaitseve (50km north-east of Donetsk); repairs to a water intake near Krasnyi Lyman (non-government-controlled, 30km north-west of Luhansk) and to the phenol sludge reservoir near Zalizne (formerly Artemove, government-controlled, 42km north-east of Donetsk); and the drilling of water wells near Pankivka (non-government-controlled, 16km north of Luhansk). The Mission continued to facilitate the operation of the DFS and to monitor the security situation around the pumping station near Vasylivka (non-government-controlled, 20km north of Donetsk).

Border areas outside government control

On 24 December, while at a border crossing point near Uspenka (73km south-east of Donetsk) for an hour, the SMM saw 15 cars, three covered cargo trucks (the Mission could not see the number plates), a bus with “DPR” plates, and ten pedestrians (six women and four men, mixed ages) exiting Ukraine. The Mission saw no vehicular or pedestrian traffic entering Ukraine.

While at a pedestrian border crossing point near Ulianivske (61km south-east of Donetsk) for about an hour, the SMM saw two men and a woman (mixed ages) entering Ukraine.

On 24 December, while at a border crossing point near Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk) for about ten minutes, the SMM saw no

cross-border traffic. Thereafter, a member of the armed formations told the SMM to leave the area.*

On 24 December, shortly after the SMM had arrived to the Chervona Mohyla railway station in Voznesenivka, a member of the armed formations told the SMM to leave the area.*

SMM monitors a gathering in Kharkiv

On 25 December, at the Kharkiv Regional State Administration at 64 Sumska Street, the SMM saw about 120 people (mixed ages and genders) holding signs and banners, and delivering short speeches calling for a verdict on a court case involving three Ukrainian citizens accused of planting an explosive device that detonated and killed civilians at a [22 February 2015 march in Kharkiv](#). Ten police officers were present at the gathering, which dispersed peacefully.

The Mission continued monitoring in Kherson, Odessa, Lviv, Ivano-Frankivsk, 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, UXO and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the JCCC should contribute to such response and co-ordinate mine clearance. Nonetheless, the armed formations in parts of Donetsk and Luhansk regions frequently deny the SMM access to areas adjacent to Ukraine's border outside control of the Government (for example, see below). 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 24 December, on road M-04 near Korsun (non-government-controlled, 31km north-east of Donetsk), an armed member of the armed formations denied the SMM access towards Yenakiieve (non-government-controlled, 41km north-east of Donetsk), citing ongoing training activities nearby.
- On 24 December, at a checkpoint north of Novoazovsk (non-government-controlled, 102km south-east of Donetsk), two members of the armed formations (one of them armed) [again](#) denied the SMM passage towards the border area, citing an “ongoing special operation in the area.”
- On 24 December, at a checkpoint north of Zaichenko (non-government-controlled, 93km south of Donetsk), two armed members of the armed formations [again](#) denied the SMM passage towards Sakhanka (non-government-controlled, 97km south of Donetsk), Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk and Zaichenko, citing “ongoing de-mining activities in the area” and risks to “the safety of the SMM”. The Mission saw civilian cars, including two vehicles of international organizations, going through the checkpoint.

- On 24 December, at a border crossing point near Voznesenivka (formerly Chervonopartyzansk, non-government-controlled, 65km south-east of Luhansk), a member of the armed formations told the SMM to leave the area.
- On 24 December, at the Chervona Mohyla railway station in Voznesenivka, a member of the armed formations told the SMM to leave the area.
- On 25 December, at a checkpoint west of Bezimenne (non-government-controlled, 100km south of Donetsk), a member of the armed formations [again](#) denied the SMM passage further west.
- On 26 December, on two occasions at a checkpoint south of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk), two armed members of the armed formations [again](#) denied the SMM passage, citing “engineering activity in the area.”
- On 26 December, at a checkpoint in Prymorske (non-government-controlled, 76km south of Donetsk), two armed members of the armed formations denied the SMM passage towards Naberezhne (non-government-controlled, 77km south of Donetsk), citing “ongoing works in the area.”

Regular restrictions related to disengagement areas and mines/UXO:

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

Other impediments:

- On 24 December, on two occasions, an SMM mini-UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over areas near Bohdanivka (government-controlled, 41km south-west of Donetsk).⁵
- On 24 December, while conducting a mini-UAV flight over areas near Dachne (non-government-controlled, 47km west of Luhansk), the SMM heard small-arms fire, assessed as aimed at the UAV (see above).
- On 25 December, while conducting a mini-UAV flight over areas near Novoselivka (government-controlled, 31km north of Donetsk), the SMM heard small-arms fire, assessed as aimed at the UAV (see above).
- On 25 December, an SMM long-range UAV experienced GPS signal interference, assessed as caused by jamming, while flying over Rodnykove (non-government-controlled, 36km south of Donetsk) and Mykolaivka (government-controlled, 40km south of Donetsk). The same UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over between Pleshchiivka (government-controlled, 51km north of Donetsk) and Stepanivka (government-controlled, 54km north of Donetsk).
- On 26 December, an SMM mid-range UAV experienced GPS signal interference, assessed as caused by probable jamming, while flying over Marinka (government-controlled, 23km south-west of Donetsk).

⁵ The interference could have originated from anywhere within the radius of kilometres from the UAVs’ positions.

- On 26 December, an SMM mini-range UAV experienced GPS signal interference on two occasions, assessed as caused by probable jamming, while flying near Slavne (government-controlled, 26km south-west of Donetsk).
- On 26 December, an SMM mini-UAV experienced GPS signal interference on four occasions, assessed as caused by jamming, while flying over areas near Bohdanivka.
- On 26 December, medical staff at a hospital in Horlivka (non-government-controlled, 39km north-east of Donetsk) and members of the armed formations requested that the SMM obtain permission from senior members of the armed formations in order to provide details of a person reportedly injured as a result of shelling in Horlivka on 25 December 2019.

Table of weapons
Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
24/12/2019	2	Anti-tank guided missile system (type undetermined)	Near the entry-exit checkpoint near Marinka (23km south-west of Donetsk)	Patrol
26/12/2019	1	Surface-to-air missile system (9K35 <i>Strela-10</i>)	In a residential area of Pobeda (27km west of Donetsk) (for previous observations see SMM Daily Report of 19 September 2019)	
Non-government-controlled areas				
24/12/2019	3	Mortar (2B11 <i>Sani</i> , 120mm)	Near Sentianivka (formerly Frunze, 44km west of Luhansk)	Mini-UAV
	1	Mortar (2B11 <i>Sani</i> , 120mm)	Near Dachne (47km west of Luhansk)	
25/12/2019	5	Tank (T-64)	Near Novoselivka (16km west of Luhansk)	

Beyond withdrawal lines but outside of designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
Government-controlled areas				
25/12/2019	6	Tank (T-64)	In Spirne (96km north of Donetsk)	Patrol
26/12/2019	2	Multiple launch rocket system (BM-27 <i>Uragan</i> , 220mm)	Near Sviatohirsk (117km north of Donetsk)	
Non-government-controlled areas				
24/12/2019	4	Tank (T-64)	In a training area near Kruhlyk (31km south-west of Luhansk)	Patrol
26/12/2019	3	Tank (T-64)		

Table of indications of military and military-type presence in the security zone⁶

Date	No.	Type	Location	Source of observation
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⁶The hardware mentioned in this section is not proscribed by the provisions of the Minsk agreements on the withdrawal of weapons.

Government-controlled areas				
23/12/2019	4	Infantry fighting vehicle (BMP-1)	Near Talakivka (90km south of Donetsk)	Mini-UAV
	4	Infantry fighting vehicle (BMP-1)	Near Lebedynske (99km south of Donetsk)	
	1	Probable infantry fighting vehicle (BMP-2)	Near Lobacheve (17km north-west of Luhansk)	Mid-range UAV
24/12/2019	1	Armoured personnel carrier (BTR-80)	In a residential area of Avdiivka (17km north of Donetsk) (seen again on 26 December 2019)	Patrol
	1	Armoured personnel carrier (BTR-60)	Near Novobakhmutivka (28km north of Donetsk)	
	1	Infantry fighting vehicle (BMP variant)	In Popasna (69km west of Luhansk)	
	1	Armoured personnel carrier (KRAZ <i>Cougar</i>)	Near Voitove (33km north-west of Luhansk)	
	2	Armoured personnel carrier (one BTR-80 and one undetermined)		
	1	Armoured personnel carrier (BTR-80)	Near Shchastia (20km north of Luhansk)	
	2	Infantry fighting vehicle (BMP variant)	Near Novoselivka Druha (23km north of Donetsk)	Mini-UAV
25/12/2019	1	Infantry fighting vehicle (BMP variant)	In Popasna (69km west of Luhansk)	Patrol
	1	Armoured personnel carrier (BTR-60)	Near Shchastia (20km north of Luhansk)	
	4	Armoured personnel carrier (three BTR-70 and one BTR-60)		Mini-UAV
	1	Armoured combat vehicle (type undetermined)	Near Novhorodske (35km north of Donetsk)	
	2	Armoured combat vehicle (type undetermined)	Near Troitske (30km north of Donetsk)	
	1	Armoured personnel carrier (BTR-70)		
	2	Armoured combat vehicle (type undetermined)	In a residential area of Taramchuk (29km south-west of Donetsk)	Long-range UAV
	2	Armoured combat vehicle (type undetermined)	Near Berezove (31km south-west of Donetsk)	
26/12/2019	1	Armoured personnel carrier (BTR-60)	Near Shchastia (20km north of Luhansk)	Patrol
	1	Armoured personnel carrier (type undetermined)	In Zolote-2/Karbonit (62km west of Luhansk)	
	1	Anti-aircraft gun (ZU-23, 23mm)	Near Voitove (33km north-west of Luhansk)	

Non-government-controlled areas				
24/12/2019	5	Infantry fighting vehicle (three BMP-1 and two BMP variants)	Near Sentianivka (formerly Frunze, 44km west of Luhansk)	Mini-UAV
25/12/2019	3	Probable infantry fighting vehicle (BMP variant)	Near Novoselivka (16km west of Luhansk)	
	1	Probable armoured combat vehicle	Near Dovhe (22km north-west of Luhansk)	
	6	Infantry fighting vehicle (BMP variant)		
	2	Infantry fighting vehicle (BMP-1)	On the northern edge of Smile (31km north-west of Luhansk)	Long-range UAV
	3	Probable infantry fighting vehicle (BMP variant)	Near Novoselivka (16km west of Luhansk)	Patrol
4	Recently dug trenches and freshly-painted concrete obstacles	Near a military-type compound 3-4km from Markyne (94km south of Donetsk)		
26/12/2019	1	Infantry fighting vehicle (BMP-1)	Near Yuzhna-Lomuvatka (60km west of Luhansk)	

Table of ceasefire violations as of 26 December 2019⁷

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Recorded	1	Explosion	Impact	N/K	24-Dec, 02:10
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	24-Dec, 02:10
	2-4km SE	Recorded	1	Muzzle flash		N/K	24-Dec, 02:10
	2-4km SE	Recorded	2	Projectile	NE to SW	N/K	24-Dec, 02:23
	2-4km SSE	Recorded	1	Projectile	WSW to ENE	N/K	24-Dec, 05:06
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	1	Illumination flare	In vertical flight	N/K	24-Dec, 00:56
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SSE	Recorded	1	Projectile	W to E	N/K	23-Dec, 23:01
	2-4km SSE	Recorded	3	Projectile	W to E	N/K	23-Dec, 23:02
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1.5-2.5km SSW	Recorded	1	Explosion	Undetermined	N/K	23-Dec, 18:48
	0.7-1km S	Recorded	2	Projectile	W to E	N/K	23-Dec, 23:10
	0.7-1km S	Recorded	4	Muzzle flash		N/K	23-Dec, 23:10
	0.7-1km S	Recorded	3	Projectile	W to E	N/K	24-Dec, 01:03
	1-2km SSW	Recorded	2	Projectile	ENE to WSW	N/K	24-Dec, 01:13
	0.7-1km S	Recorded	3	Projectile	W to E	N/K	24-Dec, 01:24
	0.7-1km S	Recorded	2	Explosion	Undetermined	N/K	24-Dec, 01:27
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	24-Dec, 02:10

⁷ 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.

	1-2km SSW	Recorded	1	Projectile	In vertical flight	N/K	24-Dec, 04:08
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SE	Recorded	1	Explosion	Air burst	N/K	23-Dec, 21:15
	3-5km SE	Recorded	2	Explosion	Undetermined	N/K	23-Dec, 21:30
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km SE	Recorded	1	Projectile	In vertical flight	N/K	23-Dec, 23:20
SMM camera E of Lomakyne (government-controlled, 90km S of Donetsk)	2-6km ENE	Recorded	1	Projectile	WSW to ENE	N/K	24-Dec, 00:46
	2-6km ENE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 00:46
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km E	Recorded	1	Projectile	NNE to SSW	N/K	23-Dec, 22:09
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km NNE	Recorded	2	Projectile	NW to SE	N/K	24-Dec, 03:09
	2-4km NNE	Recorded	7	Projectile	W to E	N/K	24-Dec, 17:15
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	2	Projectile	E to W	N/K	23-Dec, 18:40
	3-5km N	Recorded	22	Projectile	W to E	N/K	23-Dec, 18:46
	3-5km N	Recorded	4	Projectile	E to W	N/K	23-Dec, 18:50
	3-5km N	Recorded	1	Projectile	E to W	N/K	23-Dec, 18:54
	3-5km E	Recorded	4	Projectile	E to W	N/K	23-Dec, 19:40
	3-5km N	Recorded	3	Projectile	E to W	N/K	23-Dec, 19:41
	3-5km N	Recorded	1	Burst	SE to NW	N/K	23-Dec, 20:34
	3-5km N	Recorded	4	Projectile	WSW to ENE	N/K	23-Dec, 20:36
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	23-Dec, 21:15
	3-5km N	Recorded	4	Projectile	ESE to WNW	N/K	23-Dec, 22:26
	3-5km N	Recorded	9	Projectile	E to W	N/K	24-Dec, 17:17

	3-5km N	Recorded	2	Explosion	Undetermined	N/K	24-Dec, 17:17
	3-5km N	Recorded	9	Projectile	E to W	N/K	24-Dec, 17:18
	3-5km N	Recorded	5	Projectile	E to W	N/K	24-Dec, 17:20
	3-5km N	Recorded	1	Projectile	E to W	N/K	24-Dec, 17:21
	3-5km N	Recorded	6	Projectile	E to W	N/K	24-Dec, 18:22
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	2	Explosion	Undetermined	N/K	24-Dec, 09:36
	2-3km SSW	Heard	1	Explosion	Undetermined	N/K	24-Dec, 12:03
	2km SSW	Heard	5	Burst		HMG	24-Dec, 12:11
	1km SW	Heard	3	Burst		Small arms	24-Dec, 12:51-12:53
	2km SSE	Heard	2	Shot		HMG	24-Dec, 13:31
	2km SSE	Heard	1	Shot		HMG	24-Dec, 13:38
	2km SSE	Heard	3	Burst		HMG	24-Dec, 13:46
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km W	Heard	2	Explosion	Undetermined	N/K	24-Dec, 11:44
1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SSE	Heard	20	Shot	Assessed as outside the disengagement area	Small arms	24-Dec, 12:33-12:34
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-3km NNE	Heard	21	Shot		Small arms	24-Dec, 13:34-13:44
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km ENE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 09:20
	2-3km ENE	Heard	2	Burst		Small arms	24-Dec, 09:36
	2-3km E	Heard	3	Explosion	Undetermined	N/K	24-Dec, 10:33
	2-3km E	Heard	3	Shot		Small arms	24-Dec, 11:26
	2-3km E	Heard	3	Shot		Small arms	24-Dec, 11:40

	2-3km E	Heard	1	Explosion	Undetermined	N/K	24-Dec, 11:40
	2-3km E	Heard	2	Explosion	Undetermined	N/K	24-Dec, 11:45
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	24-Dec, 12:05
	1-2km E	Heard	9	Burst		Small arms	24-Dec, 12:12
	2-3km ESE	Heard	6	Burst		HMG	24-Dec, 13:45
About 2km NE Bohdanivka (government-controlled, 41km SW of Donetsk)	2-3km SE	Heard	2	Burst	Assessed as inside the Petrivske disengagement area	HMG	24-Dec, 12:34-12:36
	2-3km SE	Heard	2	Explosion	Undetermined (assessed as inside Petrivske disengagement area)	N/K	24-Dec, 12:34-12:36
Chernenko (government-controlled, 86km S of Donetsk)	2-3km ESE	Heard	30	Shot		Small arms	24-Dec, 13:10-13:13
	2-3km ESE	Heard	3	Shot		Small arms	24-Dec, 13:35
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-5km SE	Heard	4	Shot		Small arms	23-Dec, 18:38
	2-5km SE	Heard	8	Shot		Small arms	23-Dec, 18:53
	2-5km S	Heard	1	Explosion	Undetermined	N/K	23-Dec, 19:00
	2-5km SE	Heard	3	Burst		HMG	23-Dec, 19:01
	2-5km SE	Heard	8	Burst		Small arms	23-Dec, 19:07
	2-5km SE	Heard	13	Burst		Small arms	23-Dec, 19:15
	2-5km S	Heard	5	Burst		HMG	23-Dec, 19:25
	2-5km SE	Heard	5	Shot		Small arms	23-Dec, 19:32
	2-5km SE	Heard	4	Shot		Small arms	23-Dec, 19:42
	2-5km SE	Heard	5	Shot		Small arms	23-Dec, 19:54
	2-5km S	Heard	3	Shot		Small arms	23-Dec, 19:58

	2-5km S	Heard	9	Shot		Small arms	23-Dec, 20:05-20:09
	2-5km SE	Heard	29	Burst		HMG	23-Dec, 20:06-20:08
	2-5km SE	Heard	22	Shot		Small arms	23-Dec, 20:15
	2-5km S	Heard	5	Burst		HMG	23-Dec, 20:21
	2-5km S	Heard	25	Shot		Small arms	23-Dec, 20:32-20:45
	2-5km S	Heard	22	Burst		HMG	23-Dec, 20:35-20:45
	2-5km SE	Heard	5	Burst		HMG	23-Dec, 20:55
	2-5km SE	Heard	4	Shot		Small arms	23-Dec, 21:04
	2-5km SE	Heard	19	Shot		Small arms	23-Dec, 21:15
	2-5km S	Heard	13	Burst		HMG	23-Dec, 21:24
	2-5km SE	Heard	14	Burst		HMG	23-Dec, 21:30-21:35
	3-5km S	Heard	1	Explosion	Undetermined	N/K	23-Dec, 21:32
	2-5km S	Heard	22	Shot		Small arms	23-Dec, 21:32-21:35
	2-5km SE	Heard	9	Shot		Small arms	23-Dec, 21:46
	2-5km SE	Heard	12	Burst		HMG	23-Dec, 21:57
	2-5km S	Heard	10	Shot		Small arms	23-Dec, 21:58
	2-5km S	Heard	24	Shot		Small arms	23-Dec, 22:04-22:10
	3-5km S	Heard	2	Shot		Small arms	23-Dec, 22:21-22:25
	2-5km SE	Heard	13	Burst		HMG	23-Dec, 22:20-22:25
	2-5km S	Heard	5	Shot		Small arms	23-Dec, 22:37
	2-5km S	Heard	18	Shot		Small arms	23-Dec, 23:15
	2-5km SE	Heard	34	Shot		Small arms	23-Dec, 23:18-23:27

	2-5km SE	Heard	8	Shot		Small arms	23-Dec, 23:32
	2-5km SE	Heard	6	Shot		Small arms	23-Dec, 23:44
	2-5km S	Heard	32	Shot		Small arms	23-Dec, 23:45-23:50
	2-5km S	Heard	7	Shot		Small arms	23-Dec, 23:55-23:59
	3-5km SE	Heard	18	Shot		Small arms	24-Dec, 06:20-06:30
	3-5km SE	Heard	6	Burst		Small arms	24-Dec, 06:20-06:30
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 07:00
	3-5km SE	Heard	3	Shot		Small arms	24-Dec, 07:00-07:05
	3-5km S	Heard	1	Explosion	Undetermined	N/K	24-Dec, 08:48
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 13:10
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 13:10
	3-5km SE	Heard	10	Shot		Small arms	24-Dec, 13:13
	3-5km SE	Heard	10	Shot		Small arms	24-Dec, 14:04
	3-5km S	Heard	5	Shot		Small arms	24-Dec, 14:11-14:13
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 14:50
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 15:15
	3-5km SE	Heard	9	Burst		HMG	24-Dec, 15:50
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	24-Dec, 16:06
	3-5km SE	Heard	3	Explosion	Undetermined	HMG	24-Dec, 16:27
	3-5km SE	Heard	15	Burst		HMG	24-Dec, 17:18
	3-5km SE	Heard	3	Shot		Small arms	24-Dec, 17:18
	3-5km S	Heard	12	Shot		Small arms	24-Dec, 17:32

	3-5km S	Heard	20	Burst		HMG	24-Dec, 17:35
	3-5km S	Heard	3	Burst		HMG	24-Dec, 16:20
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	24-Dec, 09:23
	4-5km S	Heard	5	Burst		HMG	24-Dec, 13:44
SE edge of Zalizne (government-controlled, 42km NE of Donetsk)	2-4km SSE	Heard	15	Burst		HMG	24-Oct, 10:50-10:52
Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km W	Heard	2	Explosion	Undetermined	N/K	24-Dec, 11:32
Pivnichne (government-controlled, 44km NE of Donetsk)	1-2km E	Heard	5	Explosion	Undetermined	N/K	24-Dec, 11:30-11:35
	1-2km E	Heard	4	Shot		Small arms	24-Dec, 11:30-11:35
	1-2km E	Heard	4	Burst		HMG	24-Dec, 11:36-11:37
Popasna (government-controlled, 69km W of Luhansk)	5-7km ESE	Heard	2	Explosion	Undetermined	N/K	23-Dec, 19:35-20:00
SW edge of Malomykolaivka (non-government-controlled, 36km SW of Luhansk)	3-4km NW	Heard	10	Explosion	Undetermined (assessed as live-fire exercise outside the security zone)	N/K	24-Dec, 09:26
Dachne (non-government-controlled, 47km W of Luhansk)	2-4km NE	Heard	20	Shot		HMG	24-Dec, 10:36-10:46
1.3km N of Dachne (non-government-controlled, 47km W of Luhansk)	1-2km N	Heard	30	Shot	Assessed as aimed at the SMM mini-UAV	Small arms	24-Dec, 10:47
	2-4km N	Heard	15	Shot		HMG	24-Dec, 11:06
E edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	4-5km NNE	Heard	4	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	24-Dec, 11:43-11:53

	4-5km NNE	Heard	31	Burst	Assessed as outside the Zolote disengagement area	N/K	24-Dec, 11:43-11:53
N edge of the disengagement area near Zolote (government-controlled, 60km W of Luhansk)	3-5km ESE	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Dec, 11:43
Tsarivka (government-controlled, 41km NW of Luhansk)	5-7km SW	Heard	5	Explosion	Undetermined	N/K	24-Dec, 11:40
250m N of Stanytsia Luhanska bridge (15km NE of Luhansk)	3-4km E	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Dec, 14:54
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km ESE	Recorded	1	Projectile	W to E	N/K	24-Dec, 18:56
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km ESE	Recorded	26	Projectile	N to S	N/K	24-Dec, 21:19
	3-5km SE	Recorded	8	Projectile	NE to SW	N/K	24-Dec, 23:10
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	24-Dec, 23:11
	3-5km SE	Recorded	4	Projectile	SW to NE	N/K	24-Dec, 23:36
	3-5km SE	Recorded	3	Projectile	SW to NE	N/K	24-Dec, 23:49
	3-5km SE	Recorded	5	Projectile	NE to SW	N/K	25-Dec, 00:09
	2-4km ESE	Recorded	10	Projectile	N to S	N/K	25-Dec, 00:28
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	25-Dec, 02:34
	3-5km SE	Recorded	2	Projectile	SW to NE	N/K	25-Dec, 02:36
	2-3km SE	Recorded	1	Muzzle flash		N/K	25-Dec, 17:27
	2-4km	Recorded	1	Explosion	Undetermined (subsequent to previous event)	N/K	25-Dec, 17:27
	1-2km SE	Recorded	9	Projectile	N to S	N/K	25-Dec, 17:34

	1-2km SE	Recorded	1	Projectile	W to E	N/K	25-Dec, 18:08
	1-2km SE	Recorded	1	Projectile	W to E	N/K	25-Dec, 18:09
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	24-Dec, 18:34
	300-500m S	Recorded	3	Projectile	NNW to SSE	N/K	24-Dec, 22:11
	300-500m S	Recorded	4	Burst		N/K	25-Dec, 00:09
	300-500m SSW	Recorded	1	Burst		N/K	25-Dec, 00:09
	300-500m S	Recorded	7	Burst		N/K	25-Dec, 00:10
	300-500m SSW	Recorded	1	Muzzle flash		N/K	25-Dec, 00:10
	300-500m S	Recorded	1	Projectile	NNW to SSE	N/K	25-Dec, 00:10
	300-500m S	Recorded	3	Burst		N/K	25-Dec, 00:11
	300-500m SW	Recorded	1	Burst		N/K	25-Dec, 00:11
	300-500m SSW	Recorded	5	Muzzle flash		N/K	25-Dec, 00:12
	0.5-1.5km S	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 00:56
	300-500m SSW	Recorded	5	Muzzle flash		N/K	25-Dec, 01:50
	300-500m S	Recorded	1	Projectile	W to E	N/K	25-Dec, 06:28
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Projectile	S to N	N/K	24-Dec, 20:19
	3-5km ESE	Recorded	1	Illumination flare	In vertical flight	N/K	24-Dec, 20:54
	2-3km ESE	Recorded	3	Projectile	SW to NE	N/K	25-Dec, 16:55
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 20:52
	4-6km E	Recorded	1	Projectile	S to N	N/K	24-Dec, 20:52
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 01:48
	4-6km E	Recorded	1	Projectile	N to S	N/K	25-Dec, 01:51

	4-6km E	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 01:51
	4-6km E	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 01:52
	4-6km E	Recorded	1	Projectile	N to S	N/K	25-Dec, 01:52
	4-6km E	Recorded	1	Explosion	Subsequent to the previous event	N/K	25-Dec, 01:52
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 01:40
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km WSW	Recorded	3	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 02:19
	0.5-1km WSW	Recorded	2	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 02:54
	0.5-1km WSW	Recorded	2	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 02:55
	0.5-1km WSW	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 03:59
	0.5-1km WSW	Recorded	2	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 05:10
	0.5-1km WSW	Recorded	1	Projectile	NNW to SSE (assessed as inside the disengagement area)	N/K	19-Dec, 05:46
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	3	Projectile	E to W	N/K	24-Dec, 20:00
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	24-Dec, 20:01
	3-5km NNE	Recorded	9	Projectile	WSW to ENE	N/K	24-Dec, 20:04
	3-5km N	Recorded	21	Projectile	WSW to ENE	N/K	24-Dec, 20:05

	3-5km N	Recorded	9	Projectile	W to E	N/K	24-Dec, 20:06
	3-5km N	Recorded	18	Projectile	E to W	N/K	24-Dec, 20:06
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 20:06
	3-5km N	Recorded	1	Muzzle flash		N/K	24-Dec, 20:08
	3-5km N	Recorded	2	Projectile	In vertical flight (subsequent to previous event)	N/K	24-Dec, 20:08
	3-5km N	Recorded	1	Explosion	Undetermined (subsequent to previous event)	N/K	24-Dec, 20:08
	3-5km N	Recorded	4	Projectile	E to W	N/K	24-Dec, 20:08
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	24-Dec, 20:09
	3-5km N	Recorded	4	Explosion	Undetermined	N/K	24-Dec, 20:10
	3-5km N	Recorded	6	Projectile	SSE to NNW	N/K	24-Dec, 20:11
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	24-Dec, 20:11
	3-5km N	Recorded	3	Projectile	E to W	N/K	24-Dec, 20:13
	3-5km N	Recorded	22	Projectile	W to E	N/K	24-Dec, 20:14
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	24-Dec, 20:15
	3-5km N	Recorded	5	Projectile	E to W	N/K	24-Dec, 22:15
	3-5km N	Recorded	5	Projectile	E to W	N/K	25-Dec, 01:54
	3-5km N	Recorded	4	Projectile	E to W	N/K	25-Dec, 02:58
	3-5km N	Recorded	1	Projectile	E to W	N/K	25-Dec, 03:21
	3-5km N	Recorded	5	Projectile	E to W	N/K	25-Dec, 03:27
	3-5km N	Recorded	3	Projectile	E to W	N/K	25-Dec, 03:28
	3-5km N	Recorded	1	Muzzle flash		N/K	25-Dec, 04:14

	3-5km N	Recorded	1	Projectile	SSW to NNE (subsequent to previous event)	N/K	25-Dec, 04:14
	3-5km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	25-Dec, 04:14
	3-5km N	Recorded	2	Projectile	E to W	N/K	25-Dec, 05:48
About 1km NW of the railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)	1km NW	Heard	4	Burst		Small arms	25-Dec, 09:32
	1km N	Heard	7	Burst		Small arms	25-Dec, 09:32
	1km N	Heard	3	Burst		HMG	25-Dec, 09:32
	1km N	Heard	30	Burst		HMG	25-Dec, 09:37
	1km N	Heard	17	Burst		Small arms	25-Dec, 09:39
	1km SW	Heard	1	Shot		Small arms	25-Dec, 12:06
	1km SW	Heard	1	Shot		Small arms	25-Dec, 12:27
Railway station in Yasynuvata (non- government-controlled, 16km NE of Donetsk)	1km NE	Heard	10	Burst		Small arms	25-Dec, 09:52
About 1km E of Kruta Balka (non-government- controlled, 16km N of Donetsk)	1km NE	Heard	15	Burst		Small arms	25-Dec, 10:25
1.2km NNE of the central railway station in Donetsk (non- government-controlled, 6km NW of Donetsk city centre)	3-4km NNE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 09:10
Petrivske (non- government-controlled, 41km S of Donetsk)	1-2km SSE	Heard	15	Shot	Assessed as outside the disengagement area	Small arms	25-Dec, 10:40
	1-2km SSE	Heard	3	Burst	Assessed as outside the disengagement area	Small arms	25-Dec, 10:45

	1-2km SE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	25-Dec, 10:45
About 1.8km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSW	Heard	5	Shot	Assessed as outside the disengagement area	Small arms	25-Dec, 12:20
SE edge of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 09:08
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 10:15
Krasnohorivka (government-controlled, 21km W of Donetsk)	3-5km N	Heard	1	Explosion	Undetermined	N/K	25-Dec, 10:55
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 11:17
	3-5km E	Heard	1	Explosion	Undetermined	N/K	25-Dec, 11:20
	2-3km NE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 11:20
	1-2km E	Heard	4	Explosion	Undetermined	N/K	25-Dec, 11:27
NNE part of Pavlopil (government-controlled, 84km S of Donetsk)	2-4km SE	Heard	9	Burst		Small arms	25-Dec, 11:33
NNW part of Pavlopil (government-controlled, 84km S of Donetsk)	2km NE	Heard	12	Burst		Small arms	25-Dec, 12:50-12:53
About 2km NE Bohdanivka (government-controlled, 41km SW of Donetsk)	3-4km SE	Heard	1	Explosion	Undetermined (assessed as outside the Petrivske disengagement area)	N/K	25-Dec, 11:58
About 1km NNW of Pyshchevyk (government-controlled, 84km S of Donetsk)	2-3km SE	Heard	7	Burst		HMG	25-Dec, 14:03-14:05
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	24-Dec, 19:53
	3-5km SE	Heard	7	Burst		HMG	24-Dec, 20:50
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	24-Dec, 20:51
	1-3km SE	Heard	4	Shot		Small arms	24-Dec, 20:54

	3-5km SE	Heard	3	Burst		HMG	24-Dec, 20:55
	3-5km SE	Heard	4	Burst		HMG	24-Dec, 20:56
	3-5km SE	Heard	7	Burst		HMG	24-Dec, 20:57
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 21:04
	1-3km SE	Heard	5	Shot		Small arms	24-Dec, 21:09
	3-5km SE	Heard	1	Burst		HMG	24-Dec, 21:15
	1-3km SE	Heard	3	Shot		Small arms	24-Dec, 21:17
	3-5km SE	Heard	8	Burst		HMG	24-Dec, 21:17
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 21:20
	1-3km SE	Heard	5	Shot		Small arms	24-Dec, 21:23
	1-3km SE	Heard	7	Shot		Small arms	24-Dec, 21:25
	3-5km SE	Heard	4	Burst		HMG	24-Dec, 21:38
	3-5km SE	Heard	11	Burst		HMG	24-Dec, 21:39
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 21:41
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	24-Dec, 21:46
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	24-Dec, 21:47
	3-5km SE	Heard	10	Burst		HMG	24-Dec, 21:48
	3-5km SE	Heard	1	Burst		HMG	24-Dec, 21:50
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 22:03
	3-5km SE	Heard	13	Burst		HMG	24-Dec, 22:09-22:10
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 22:13
	3-5km SE	Heard	37	Burst		HMG	24-Dec, 22:14-22:16

	3-5km SE	Heard	42	Burst		HMG	24-Dec, 22:18-22:19
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 22:28
	3-5km SE	Heard	13	Burst		HMG	24-Dec, 22:31
	1-3km SE	Heard	7	Shot		Small arms	24-Dec, 22:32
	3-5km SE	Heard	16	Burst		HMG	24-Dec, 22:33
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	24-Dec, 22:33
	3-5km SE	Heard	4	Burst		HMG	24-Dec, 22:34
	1-3km SE	Heard	9	Shot		Small arms	24-Dec, 22:34-22:35
	1-3km SE	Heard	14	Shot		Small arms	24-Dec, 22:36-22:37
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 22:38
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 22:43
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 22:47
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	24-Dec, 22:48
	3-5km SE	Heard	5	Burst		HMG	24-Dec, 22:50
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 22:54
	1-3km SE	Heard	1	Shot		Small arms	24-Dec, 22:55
	1-3km SE	Heard	38	Shot		Small arms	24-Dec, 22:56-22:58
	3-5km SE	Heard	4	Burst		HMG	24-Dec, 22:58
	1-3km SE	Heard	4	Shot		Small arms	24-Dec, 23:02
	1-3km SE	Heard	4	Shot		Small arms	24-Dec, 23:05
	1-3km SE	Heard	7	Shot		Small arms	24-Dec, 23:19
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 23:21

	3-5km SE	Heard	10	Burst		HMG	24-Dec, 23:28
	3-5km SE	Heard	4	Burst		HMG	24-Dec, 23:33
	3-5km SE	Heard	3	Burst		HMG	24-Dec, 23:42
	3-5km SE	Heard	2	Burst		HMG	24-Dec, 23:53
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 10:50
	3-5km SE	Heard	3	Burst		HMG	25-Dec, 11:40
	3-5km SE	Heard	3	Burst		HMG	25-Dec, 11:41
	3-5km SE	Heard	3	Burst		HMG	25-Dec, 11:42
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 11:44
	3-5km SE	Heard	7	Burst		HMG	25-Dec, 11:45
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 11:46
	3-5km SE	Heard	11	Burst		HMG	25-Dec, 11:47
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 11:48-11:50
	3-5km SE	Heard	27	Burst		HMG	25-Dec, 11:48-11:50
	3-5km SE	Heard	31	Burst		HMG	25-Dec, 11:52-11:54
	3-5km SE	Heard	17	Burst		HMG	25-Dec, 11:55-11:56
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 11:55-11:56
	3-5km SE	Heard	14	Burst		HMG	25-Dec, 11:57-11:58
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	25-Dec, 11:59
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 12:00
	3-5km SE	Heard	12	Burst		HMG	25-Dec, 12:01
	3-5km SE	Heard	41	Burst		HMG	25-Dec, 12:02-12:04

	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:04
	3-5km SE	Heard	12	Burst		HMG	25-Dec, 12:05-12:06
	3-5km SE	Heard	5	Explosion	Undetermined	N/K	25-Dec, 12:06
	3-5km SE	Heard	7	Burst		HMG	25-Dec, 12:06
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:08
	3-5km SE	Heard	18	Burst		HMG	25-Dec, 12:09
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:10
	3-5km SE	Heard	4	Burst		HMG	25-Dec, 12:11
	3-5km SE	Heard	4	Burst		HMG	25-Dec, 12:11
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:12
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:13
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:14
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 12:15
	3-5km SE	Heard	7	Burst		HMG	25-Dec, 12:16
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:17
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:18
	3-5km SE	Heard	3	Burst		HMG	25-Dec, 12:19
	3-5km SE	Heard	9	Burst		HMG	25-Dec, 12:19-12:20
	3-5km SE	Heard	11	Burst		HMG	25-Dec, 12:22-12:24
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:25
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:29
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 12:31

	3-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 12:32
	3-5km SE	Heard	6	Burst		HMG	25-Dec, 12:32-12:33
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:36
	3-5km SE	Heard	15	Burst		HMG	25-Dec, 12:37-12:38
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 12:42
	3-5km SE	Heard	5	Burst		HMG	25-Dec, 12:43
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:44
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:53
	3-5km SE	Heard	11	Burst		HMG	25-Dec, 12:54-12:55
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:57
	3-5km SE	Heard	12	Burst		HMG	25-Dec, 12:58
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 13:01-13:02
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 13:12
	3-5km SE	Heard	4	Burst		HMG	25-Dec, 13:15
	3-5km SE	Heard	1	Explosion		N/K	25-Dec, 13:39
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 15:05
	3-4km SE	Heard	5	Burst		HMG	25-Dec, 17:54
	1-3km SE	Heard	5	Shot		Small arms	25-Dec, 17:56
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km NW	Heard	25	Burst		HMG	25-Dec, 14:30-14:38
	1-2km WSW	Heard	100	Shot		Small arms	25-Dec, 14:30-14:39
	1-2km WSW	Heard	3	Explosion	Undetermined	N/K	25-Dec, 14:35-14:39
	2-3km NNE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 09:31-09:36

	2-3km NNE	Heard	35	Burst		HMG	25-Dec, 09:31-09:36
	2-3km NNE	Heard	15	Burst		HMG	25-Dec, 10:25-10:28
	3-4km N	Heard	2	Explosion	Undetermined	N/K	25-Dec, 11:16
	6-7km NE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 11:43
	6-7km NE	Heard	34	Explosion	Undetermined	N/K	25-Dec, 11:49-11:55
	6-7km NE	Heard	34	Explosion	Undetermined	N/K	25-Dec, 11:56-12:04
	6-7km NE	Heard	32	Explosion	Undetermined	N/K	25-Dec, 12:05-12:10
	3-4km NW	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:07
	6-7km NE	Heard	25	Explosion	Undetermined	N/K	25-Dec, 12:11-12:16
	6-7km NE	Heard	13	Explosion	Undetermined	N/K	25-Dec, 12:17-12:20
5.2km N Horlivka (non-government-controlled, 39km NE of Donetsk)	6-7km NE	Heard	12	Explosion	Undetermined	N/K	25-Dec, 12:30-12:35
	6-7km NE	Heard	13	Explosion	Undetermined	N/K	25-Dec, 12:36-12:50
NNE edge of Toretsk (government-controlled, 43km N of Donetsk)	4-6km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 11:48
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 11:55
	1-2km SE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 12:07
About 800m E of Novoselivka (government-controlled, 31km NE of Donetsk)	2.2km ENE	Heard	10	Shot	Assessed as aimed at the SMM mini-UAV	Small arms	25-Dec, 11:17
	2.2km ENE	Heard	7	Burst		Small arms	25-Dec, 11:17
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 08:48
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 09:09
	3-5km NE	Heard	40	Shot		N/K	25-Dec, 09:26-09:30
	3-5km NE	Heard	30	Shot		N/K	25-Dec, 09:33
	3-5km NE	Heard	20	Burst		HMG	25-Dec, 09:33

	2-3km E	Heard	10	Burst		Small arms	25-Dec, 09:45-09:55
	2-3km E	Heard	25	Shot		Small arms	25-Dec, 09:45-09:55
	5-6km E	Heard	3	Explosion	Undetermined	N/K	25-Dec, 10:03
	3-4km S	Heard	1	Explosion	Undetermined	N/K	25-Dec, 10:16
Maiorsk (government-controlled, 45km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	25-Dec, 09:06
	2-3km W	Heard	4	Explosion	Undetermined	N/K	25-Dec, 09:08
	2-3km NE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 09:30
	3-5km SSW	Heard	2	Explosion	Undetermined	N/K	25-Dec, 10:04
	3-5km NNE	Heard	3	Burst		Small arms	25-Dec, 10:29
	3-5km SSE	Heard	3	Explosion	Undetermined	N/K	25-Dec, 11:49
	2km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 12:06
	2km S	Heard	1	Explosion	Undetermined	N/K	25-Dec, 12:18
Kalynove (non-government-controlled, 60km W of Luhansk)	4-6km SW	Heard	2	Explosion	Undetermined	N/K	25-Dec, 09:45-10:00
4km N of Almazna (non-government-controlled, 55km W of Luhansk)	3km SSW	Heard	15	Shot		Small arms	25-Dec, 11:00-11:11
Almazna (non-government-controlled, 55km W of Luhansk)	10km WSW	Heard	35	Explosion	Undetermined	N/K	25-Dec, 11:45-11:57
3km NW of Almazna (non-government-controlled, 55km W of Luhansk)	10-15km SW	Heard	85	Explosion	Undetermined	N/K	25-Dec, 12:00-12:30
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-3km ESE	Recorded	8	Projectile	SW to NE	N/K	26-Dec, 00:10
	2-4km ESE	Recorded	1	Projectile	SW to NE	N/K	26-Dec, 00:19
	2-3km SE	Recorded	1	Illumination flare	In vertical flight	N/K	26-Dec, 00:46
SMM camera in Chermalyk	2-3km ESE	Recorded	3	Projectile	NNE to SSW	N/K	26-Dec, 04:40

(government-controlled, 77km S of Donetsk)	2-3km ESE	Recorded	1	Projectile	NNE to SSW	N/K	26-Dec, 04:41
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	5-7km S	Recorded	3	Explosion	Undetermined (also recorded by the SMM camera at Oktiabr mine)	N/K	25-Dec, 20:24
	5-7km S	Recorded	14	Explosion	Undetermined (also recorded by the SMM camera at Oktiabr mine)	N/K	25-Dec, 20:25
	300-500m S	Recorded	2	Muzzle flash		N/K	25-Dec, 20:56
	300-500m S	Recorded	1	Burst	N to S	N/K	25-Dec, 20:57
	200-400m SSW	Recorded	1	Muzzle flash		N/K	25-Dec, 21:00
	200-400m SSW	Recorded	1	Projectile	W to E	N/K	25-Dec, 21:00
	300-500m SSE	Recorded	1	Projectile	E to W	N/K	25-Dec, 21:00
	300-500m S	Recorded	2	Burst	W to E	N/K	25-Dec, 22:31
	300-500m S	Recorded	1	Projectile	N to S	N/K	25-Dec, 22:31
	300-500m S	Recorded	3	Projectile	WNW to ESE	N/K	25-Dec, 22:40
	0.8-1km S	Recorded	1	Illumination flare	In vertical flight	N/K	25-Dec, 23:03
	300-500m S	Recorded	4	Muzzle flash		N/K	25-Dec, 23:14
	300-500km S	Recorded	2	Projectile	N to S	N/K	25-Dec, 23:14
	200-400m SSW	Recorded	4	Projectile	W to E	N/K	25-Dec, 23:29
	300-500m S	Recorded	10	Muzzle flash		N/K	25-Dec, 23:30
	300-500m S	Recorded	10	Muzzle flash		N/K	26-Dec, 00:55
	300-500m S	Recorded	13	Muzzle flash		N/K	26-Dec, 00:56
	300-500m S	Recorded	4	Projectile	W to E	N/K	26-Dec, 00:56
	0.5-1km SE	Recorded	2	Explosion	Impact	N/K	26-Dec, 00:56

	300-500m S	Recorded	4	Muzzle flash		N/K	26-Dec, 01:46
	1-3km SSW	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 02:45
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 17:55
	300-500m SSW	Recorded	3	Muzzle flash	Undetermined	N/K	26-Dec, 17:56
	300-500m S	Recorded	3	Projectile	W to E	N/K	26-Dec, 17:56
	300-500m SSW	Recorded	3	Muzzle flash		N/K	26-Dec, 18:02
	300-500m SSW	Recorded	5	Muzzle flash		N/K	26-Dec, 18:05
	300-500m S	Recorded	5	Projectile	W to E (subsequent to previous event)	N/K	26-Dec, 18:05
	300-500m SSW	Recorded	1	Muzzle flash		N/K	26-Dec, 18:06
	300-500m S	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	26-Dec, 18:06
	300-500m SSW	Recorded	1	Muzzle flash		N/K	26-Dec, 18:06
	300-500m SSW	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	26-Dec, 18:06
	300-500m SSW	Recorded	1	Muzzle flash		N/K	26-Dec, 18:07
	300-500m S	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	26-Dec, 18:07
	300-500m SSW	Recorded	2	Projectile	NNW to SSE	N/K	26-Dec, 18:09
	300-500m SSW	Recorded	4	Muzzle flash		N/K	26-Dec, 18:09
	300-500m S	Recorded	3	Projectile	W to E (subsequent to previous event)	N/K	26-Dec, 18:09
SMM camera in Hranitne (government- controlled, 60km S of Donetsk)	2-4km ESE	Recorded	6	Projectile	N to S	N/K	25-Dec, 22:14
	2-4km E	Recorded	4	Projectile	S to N	N/K	25-Dec, 22:38

	2-4km E	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	25-Dec, 22:38
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	26-Dec, 00:08
	2-4km E	Recorded	2	Projectile	S to N	N/K	26-Dec, 00:09
	2-4km E	Recorded	5	Projectile	S to N	N/K	26-Dec, 00:59
	2-4km E	Recorded	3	Projectile	S to N	N/K	26-Dec, 01:00
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	26-Dec, 01:51
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	3-5km E	Recorded	1	Explosion	Undetermined (also recorded by SMM camera in Marinka)	N/K	26-Dec, 04:57
SMM camera in Petrivske (non-government-controlled, 41km S of Donetsk)	0.5-1km SW	Recorded	1	Projectile	NW to SE (assessed as inside the disengagement area)	N/K	19-Dec, 18:01
	0.5-1km WSW	Recorded	1	Projectile	NW to SE (assessed as inside the disengagement area)	N/K	19-Dec, 20:21
	0.5-1km SW	Recorded	3	Projectile	NW to SE (assessed as inside the disengagement area)	N/K	19-Dec, 21:34
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km NNE	Recorded	4	Projectile	E to W	N/K	25-Dec, 20:35
	2-4km NNE	Recorded	2	Projectile	E to W	N/K	25-Dec, 20:51
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	25-Dec, 20:52
	2-4km NNE	Recorded	3	Projectile	ESE to WNW	N/K	25-Dec, 20:53
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	25-Dec, 20:55
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	25-Dec, 21:51
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	26-Dec, 17:52
W part of Petrovskiyi (non-government-	2-3km WNW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 10:32

controlled, 15km SW of Donetsk city centre)	2km W	Heard	1	Burst		Small arms	26-Dec, 10:32
	2-3km WNW	Heard	4	Explosion	Undetermined	N/K	26-Dec, 10:33
	2-3km W	Heard	2	Explosion	Undetermined	N/K	26-Dec, 10:34
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 10:34
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	26-Dec, 10:35
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	26-Dec, 10:38
	3-4km S	Heard	2	Explosion	Undetermined	N/K	26-Dec, 10:39
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WSW	Heard	2	Burst		Small arms	26-Dec, 12:28
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:28
	3-4km WSW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:30
	3-4km WSW	Heard	23	Explosion	Undetermined	N/K	26-Dec, 12:38-12:45
	3-4km WSW	Heard	6	Explosion	Undetermined	N/K	26-Dec, 12:46-12:48
	2km WSW	Heard	1	Burst		Small arms	26-Dec, 13:25
	2km WSW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 13:25
	3-4km WSW	Heard and saw	2	Explosion	Undetermined	N/K	26-Dec, 09:40
W part of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km S	Heard	3	Shot	Assessed as inside the disengagement area	Small arms	26-Dec, 09:48-09:50
	4km NNW	Heard	5	Shot	Assessed as outside the disengagement area	Small arms	26-Dec, 11:30-11:40
	3-5km NNW	Heard	1	Burst	Assessed as outside the disengagement area	HMG	26-Dec, 12:43
About 4km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	5km NW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 08:52
	4-5km W	Heard	1	Explosion	Undetermined	N/K	26-Dec, 09:10

	2km NNE	Heard	250	Burst		HMG	26-Dec, 12:00-12:20
	3-4km NNE	Heard	18	Explosion	Undetermined	N/K	26-Dec, 12:00-12:20
	3-4km N	Heard	5	Explosion	Undetermined	N/K	26-Dec, 12:00-12:20
	5km NE	Heard	6	Explosion	Undetermined	N/K	26-Dec, 12:00-12:20
2.8km NW of Debaltseve (non-government-controlled, 58km NE of Donetsk)	3-4km NNE	Heard	5	Explosion	Undetermined	N/K	26-Dec, 11:58
Debaltseve (non-government-controlled, 58km NE of Donetsk)	3km NNE	Heard	3	Explosion	Undetermined	N/K	26-Dec, 13:40-13:45
About 800m S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	5km NNW	Heard	4	Explosion	Undetermined	N/K	26-Dec, 14:23-14:38
About 2.9km NNW of Luhanske (non-government-controlled, 15km SW of Donetsk)	2-3km SW	Heard	15	Burst		HMG	26-Dec, 12:55
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:55
Marinka (government controlled, 23km SW of Donetsk)	3-5km N	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:27
	3-5km N	Heard	2	Explosion	Undetermined	N/K	26-Dec, 12:30
2.8km NNW of Marinka (government controlled, 23km SW of Donetsk)	2-4km NE	Heard	12	Explosion	Outgoing	N/K	26-Dec, 10:33-10:47
	2-4km NE	Heard	5	Burst		HMG	26-Dec, 10:33-10:47
	2-4km NE	Heard	16	Burst		Small arms	26-Dec, 10:33-10:47
	4-8km E	Heard	12	Explosion	Impact	N/K	26-Dec, 10:33-10:47
	1-2km E	Heard	1	Burst		Small arms	26-Dec, 10:47
	2-4km NE	Heard	2	Explosion	Outgoing	N/K	26-Dec, 10:54
	2-4km NE	Heard	6	Burst		Small arms	26-Dec, 11:04-11:05
	2-4km NE	Heard		Shots and bursts	Uncountable, overlapping	Small arms	26-Dec, 11:05-11:06

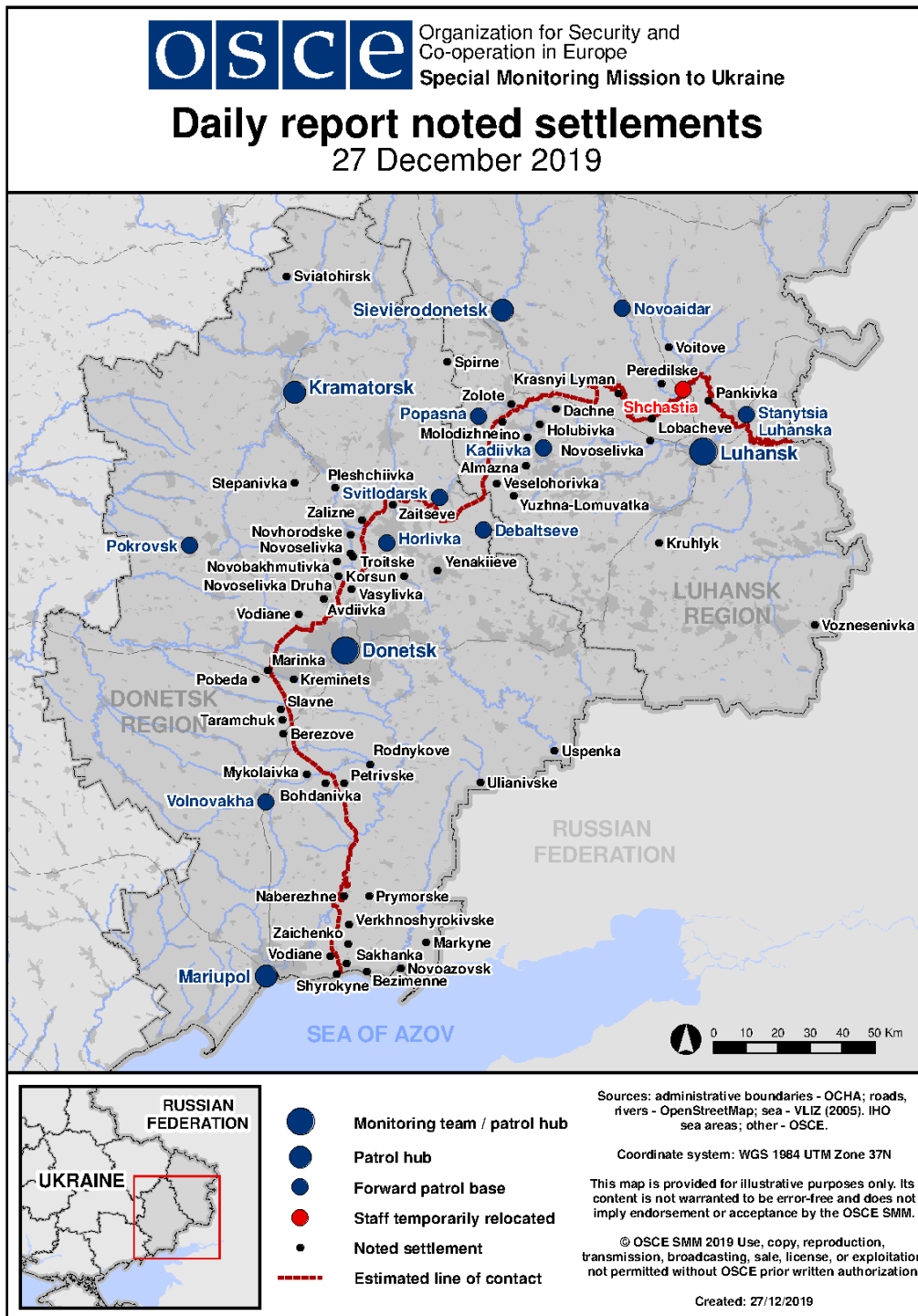
2.4km WNW of Slavne (government-controlled, 26km SW of Donetsk)	3-5km NNE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:04
	5-8km NNE	Heard	25	Explosion	Undetermined	N/K	26-Dec, 12:44-12:48
	2-3km ESE	Heard	2	Burst		Small arms	26-Dec, 12:50
	2-4km E	Heard	1	Explosion	Undetermined	N/K	26-Dec, 12:52-12:53
	2-4km E	Heard	10	Burst		Small arms	26-Dec, 12:52-12:53
	2-4km E	Heard	25	Shot		Small arms	26-Dec, 12:52-12:53
	2-4km E	Heard		Shots and bursts	Uncountable, overlapping	HMG and SALW	26-Dec, 12:54-12:56
	2-4km E	Heard	3	Explosion	Undetermined	N/K	26-Dec, 12:54-12:56
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Shot		Small arms	26-Dec, 11:20
	2-3km SE	Heard	2	Shot		Small arms	26-Dec, 11:25
	2-3km SE	Heard	2	Shot		Small arms	26-Dec, 11:26
	2-3km SE	Heard	1	Shot		Small arms	26-Dec, 11:34
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 11:37
	2-4km E	Heard	2	Explosion	Undetermined	N/K	26-Dec, 09:40
1.7km E of Avdiivka (government-controlled, 17km N of Donetsk)	8-10km S	Heard	25	Explosion	Undetermined	N/K	26-Dec, 10:32-10:37
	8-10km S	Heard	14	Explosion	Undetermined	N/K	26-Dec, 10:41-10:42
	8-10km S	Heard	5	Explosion	Undetermined	N/K	26-Dec, 10:48
Krasnohorivka (government-controlled, 21km W of Donetsk)	1-3km ESE	Heard	20	Explosion	Outgoing	N/K	26-Dec, 10:31-10:40
	2-3km ESE	Heard	2	Burst		HMG	26-Dec, 10:43
	1-3km ESE	Heard	2	Explosion	Outgoing	N/K	26-Dec, 10:47
	1-3km ESE	Heard	2	Explosion	Outgoing	N/K	26-Dec, 10:55
	1-2km S	Heard	12	Burst		HMG	26-Dec, 11:06

Chermalyk (government-controlled, 77km S of Donetsk)	3-4km SSE	Heard	1	Burst		HMG	26-Dec, 13:08
About 2km SW of Pyshchevyk (government-controlled, 84km S of Donetsk)	2-3km SSE	Heard	5	Burst		HMG	26-Dec, 11:45
	3-4km SSE	Heard	1	Burst		HMG	26-Dec, 13:08
About 2km ENE of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-4km SE	Heard	5	Shot	Assessed as outside of the Petrivske disengagement area	Small arms	26-Dec, 09:50
	3-4km SE	Heard	1	Burst	Assessed as outside of the Petrivske disengagement area	Small arms	26-Dec, 09:59
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SE	Heard	2	Explosion	Undetermined	N/K	25-Dec, 19:24
	3-4km SE	Heard	1	Explosion	Undetermined	N/K	25-Dec, 19:47
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 20:32
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	25-Dec, 22:34
	5-6km SE	Heard	10	Explosion	Undetermined	N/K	26-Dec, 11:15- 11:30
	5-6km SE	Heard	14	Explosion	Undetermined	N/K	26-Dec, 11:35- 11:50
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	26-Dec, 11:53- 11:55
	5-6km SE	Heard	6	Explosion	Undetermined	N/K	26-Dec, 11:56- 12:00
	5-6km SE	Heard	11	Explosion	Undetermined	N/K	26-Dec, 13:05- 13:15
	5-6km SE	Heard	12	Explosion	Undetermined	N/K	26-Dec, 13:16- 13:30
	5-6km SE	Heard	2	Explosion	Undetermined	N/K	26-Dec, 13:40
	2-3km SE	Heard	26	Burst		HMG	26-Dec, 13:42
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	26-Dec, 14:30
	2-3km SE	Heard	3	Shot		Small arms	26-Dec, 14:32
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 17:47

Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km W	Heard	6	Explosion	Undetermined	N/K	26-Dec, 08:32-08:33
	4-5km W	Heard	6	Explosion	Undetermined	N/K	26-Dec, 11:14-11:16
SW edge of Zalizne (government-controlled, 42km NE of Donetsk)	2-3km SSE	Heard	8	Explosion	Undetermined	N/K	26-Dec, 08:32-08:34
	3-5km E	Heard	15	Burst		HMG	26-Dec, 09:15-09:23
	2-3km SE	Heard	10	Shot		Small arms	26-Dec, 10:43
	2-3km SE	Heard	8	Burst		HMG	26-Dec, 10:46
	2-3km SE	Heard	2	Burst		HMG	26-Dec, 10:48
	2-3km SE	Heard	10	Burst		HMG	26-Dec, 11:09
	2-3km SE	Heard	4	Explosion	Undetermined	N/K	26-Dec, 11:14
About 6km NW of Horlivka (non-government controlled, 39km NE of Donetsk)	3-5km SW	Heard	6	Burst		HMG	26-Dec, 10:45
	3-5km SW	Heard	6	Burst		HMG	26-Dec, 10:47
	2-4km SW	Heard	2	Shot		Small arms	26-Dec, 10:57
	3-5km SW	Heard	10	Burst		HMG	26-Dec, 11:06-11:07
	3-5km SW	Heard	1	Explosion	Outgoing	Mortar (type N/K)	26-Dec, 11:16
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	26-Dec, 11:14
About 2.5km NE of Krasnohorivka (government-controlled, 24km N of Donetsk)	3-5km NE	Heard	6	Explosion	Undetermined	N/K	26-Dec, 11:14-11:17
Luhanske (government-controlled, 59km E of Donetsk)	4-6km SE	Heard	6	Explosion	Undetermined	N/K	26-Dec, 11:34-11:36
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	26-Dec, 11:43
	4-6km SE	Heard	2	Explosion	Undetermined	N/K	26-Dec, 11:48
SE edge of Myronivskiy (government-controlled,	2-4km NE	Heard	12	Explosion	Undetermined	N/K	26-Dec, 12:00-12:04

62km NE of Donetsk)	2-4km NE	Heard	9	Explosion	Undetermined	N/K	26-Dec, 12:07-12:12
	2-4km NE	Heard	7	Explosion	Undetermined	N/K	26-Dec, 12:13-12:17
	2-4km NE	Heard	6	Burst		HMG	26-Dec, 12:13-12:17
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SW	Recorded	5	Projectile	NW to SE	N/K	25-Dec, 22:30
S edge of the disengagement are near Zolote (government-controlled, 60km W of Luhansk)	8-10km SSW	Heard	10	Explosion	Undetermined	N/K	26-Dec, 11:25-11:35
Zolote-4/Rodina (government-controlled, 59km NW of Luhansk)	10-20km S	Heard	9	Explosion	Undetermined	N/K	26-Dec, 11:37-11:50
VeseloHorivka (non-government controlled, 64km W of Luhansk)	4-6km SSW	Heard	25	Explosion	Undetermined	N/K	26-Dec, 13:01-13:29
	4-6km SSW	Heard	53	Burst		HMG	26-Dec, 13:01-13:29
	4km NNW	Heard	5	Shot		Small arms	26-Dec, 13:01-13:29
N edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	3-4km SSE	Heard	1	Explosion	Undetermined	N/K	26-Dec, 14:15
Kalynove-Borshchuvate (non-government controlled, 61km W of Luhansk)	10-15km SW	Heard	5	Explosion	Undetermined	N/K	26-Dec, 14:28-14:43

Map of Donetsk and Luhansk regions⁸



⁸ 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).