



# Daily Report 63/2020

16 March 2020<sup>1</sup>

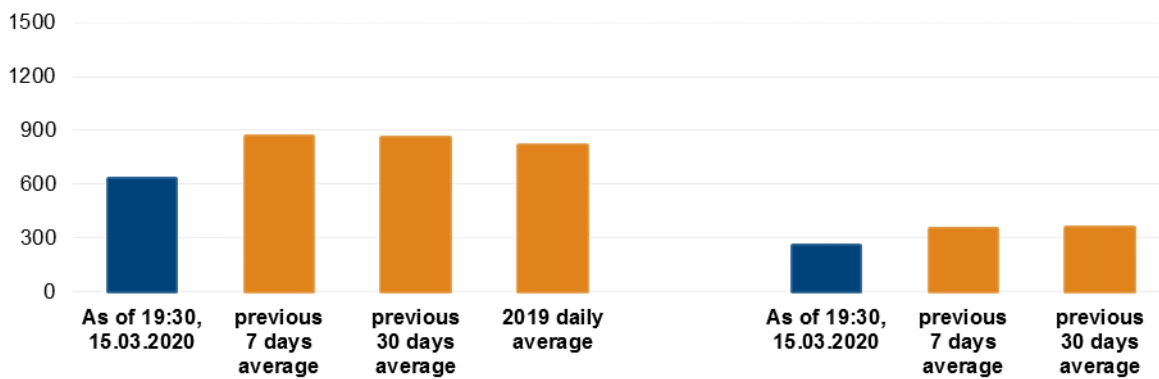
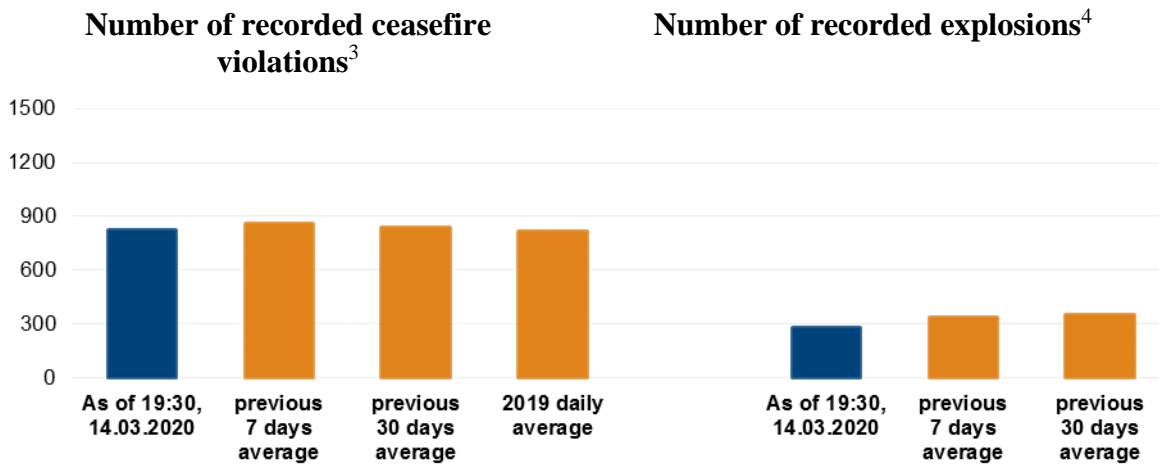
## Summary

- Compared with the previous reporting period, between the evenings of 13 and 14 March, the SMM recorded fewer ceasefire violations in Donetsk region and more in Luhansk region.
- Between the evenings of 14 and 15 March, the SMM recorded fewer ceasefire violations in both Donetsk and Luhansk regions, compared with the previous 24 hours.
- The SMM saw damage from heavy-machine-gun fire at a checkpoint in Horlivka.
- The Mission continued monitoring the disengagement areas near Stanytsia Luhanska, Zolote and Petrivske; it recorded ceasefire violations, including explosions, assessed as inside the disengagement area near Petrivske.
- The Mission continued to monitor the situation of civilians at checkpoints. It continued observing measures at entry-exit checkpoints related to COVID-19 outbreak.
- The Mission's freedom of movement continued to be restricted in non-government-controlled areas, including in Donetsk city, at checkpoints in southern Donetsk region and in areas close to border crossing points in Luhansk region.\*
- The SMM monitored three gatherings in Kyiv related to recent developments related to certain areas of Donetsk and Luhansk regions.

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<sup>1</sup> Based on information from the Monitoring Teams as of 19:30, 15 March 2020. All times are in Eastern European Time.

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



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

<sup>3</sup> Including explosions.

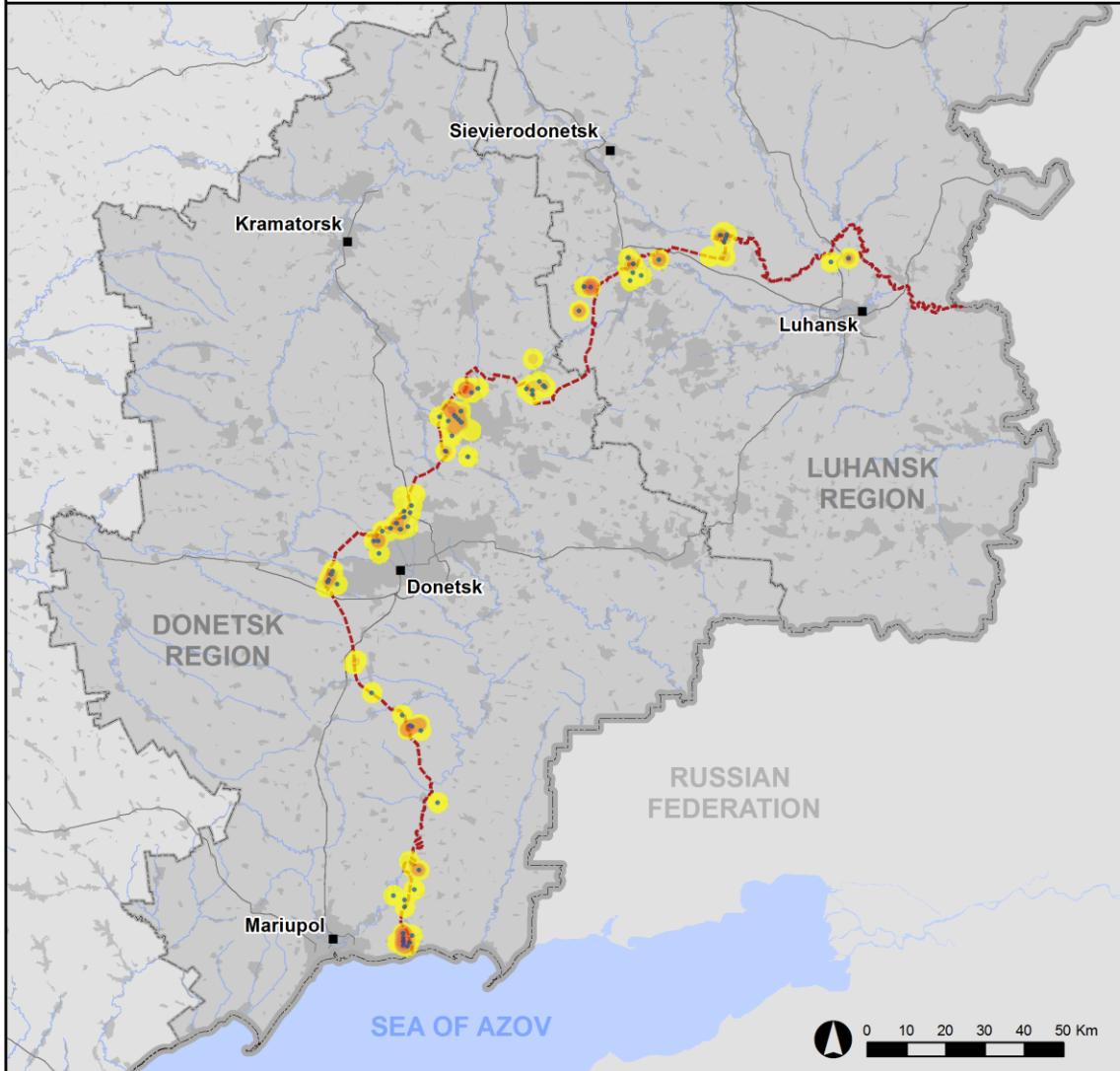
<sup>4</sup> Including from unidentified weapons.

### Map of recorded ceasefire violations

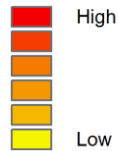


Organization for Security and  
Co-operation in Europe  
Special Monitoring Mission to Ukraine

## Ceasefire violations observed by the SMM 14-15 March 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: 16/03/2020

In Donetsk region, between the evenings of 13 and 14 March, the SMM recorded fewer ceasefire violations, including fewer explosions (about 200), compared with [the previous reporting period](#) (about 370 explosions). The majority of the ceasefire violations were recorded at northerly directions of Shyrokyne (government-controlled, 100km south of Donetsk), as well as at northerly, south-easterly and westerly directions of Horlivka (non-government-controlled, 39km north-east of Donetsk).

Between the evenings of 14 and 15 March, the SMM recorded fewer ceasefire violations, including fewer explosions (about 175), compared with the previous 24 hours. The majority of ceasefire violations were recorded in areas north of Shyrokyne, as well as inside and close to the disengagement area near Petrivske (non-government-controlled, 41km south of Donetsk) (see below).

In Luhansk region, between the evenings of 13 and 14 March, the SMM recorded more ceasefire violations, including more explosions (about 80), compared with [the previous reporting period](#) (39 explosions). The majority of the ceasefire violations, including the majority of the explosions, were recorded in areas south-east and east of Popasna (government-controlled, 69km west of Luhansk).

Between the evenings of 14 and 15 March, the SMM recorded fewer ceasefire violations, including, however, more explosions (about 90), compared with the previous 24 hours. The majority of ceasefire violations were recorded in areas north of Kadiivka (formerly Stakhanov, non-government-controlled, 50km west of Luhansk) and south-west of Kriakivka (government-controlled, 38km north-west of Luhansk).

#### **Damage from heavy-machine-gun fire at a checkpoint in Horlivka**

On 15 March, at a checkpoint of the armed formations in the north-eastern edge of Horlivka, the SMM saw a hole in the corrugated metal in the north-facing side of a processing booth and a corresponding hole in the south-facing side of the same booth. The SMM assessed the damage as recent and caused by a heavy-machine gun round fired from a north-north-westerly direction.

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

On 14 and 15 March, the SMM observed a calm situation inside the **disengagement area near Stanytsia Luhanska** (government-controlled, 16km north-east of Luhansk). On both days, the Mission 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 their checkpoint south of it.

During the early morning hours of 14 March, the SMM camera in Zolote (government-controlled, 60km west of Luhansk) recorded nine undetermined explosions at an assessed range of 3-5km east-north-east. During the day on 14 March, while positioned on the south-western edge of Zolote-5/Mykhailivka (non-government-controlled, 58km west of Luhansk), the SMM heard five shots and three bursts of small-arms fire at an assessed distance of 1.5km north-north-west. On the evenings of 14 and 15 March, the SMM camera in Zolote recorded 17 undetermined explosions and eight projectiles in flight at an assessed range of 4-7km east and south-east. All the above ceasefire violations were assessed as

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

outside the disengagement area but within 5km of its periphery. On 14 and 15 March, the SMM saw members of the armed formations (wearing armbands with “JCCC” written on them) near the southern edge of the disengagement area.

On 14 March, while positioned at two locations **near the disengagement area near Petrivske**, the SMM heard about 50 shots of small-arms fire and two undetermined explosions (assessed as outside the disengagement area but within 5km of its periphery). On the evening of 14 March, the SMM camera 2km east of Bohdanivka (government-controlled, 41km south-west of Donetsk) recorded totals of 18 undetermined explosions, 13 projectiles in flight and two muzzle flashes at an assessed range of 2-4km east-south-east (all assessed as inside the disengagement area). The same camera recorded about 60 projectiles at an assessed range of 2.5-3.5km south-east (unable to be assessed if inside or outside the area), as well as an undetermined explosion at an assessed range of 5-7km east-south-east (assessed as outside the disengagement area but within 5km of its periphery).

### **Withdrawal of weapons**

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

The Mission saw weapons in violations of their withdrawal lines on both sides of the contact line (for further details, see the table below).

### **Weapons storage sites**

*At a heavy weapons permanent storage site in a non-government-controlled area of Luhansk region*

14 March

The SMM noted that a self-propelled howitzer (2S1 *Gvozdika*, 122mm) continued to be missing.

### **Indications of military and military-type presence in the security zone<sup>6</sup>**

The Mission observed armoured combat vehicles in the security zone on both sides of the contact line (for further details, see the table below).

### **Mine hazard signs near Krasnyi Yar**

On 14 March, in an area where the SMM had previously facilitated demining activities, it saw for the first time about 300-350 mine hazard signs – wooden panels with “Stop, Mines” written on them in Cyrillic – on both sides of an approximately 1.75km-long section of the road leading eastwards from Krasnyi Yar (non-government-controlled, 12km north-east of Luhansk). The SMM also noted that most vegetation had been cleared in an area of 5-10m in width from both sides of the same road stretch. At an abandoned parking lot along the same road, the SMM saw for the first time remnants of a tank (T-64).

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

## **Situation of civilians and preventive measures against COVID-19 outbreak at entry-exit checkpoints**

On 14 March, at all entry-exit checkpoints (EECP), the SMM continued to see officers of the Border Guard Service of Ukraine wearing protective masks and gloves, and measuring the temperature of civilians entering government-controlled areas. At the checkpoint of the armed formations south of the Stanytsia Luhanska bridge, the SMM also saw for the first time three members of the armed formations wearing protective glasses and masks and screening pedestrians transiting through the checkpoint.

On 15 March, the SMM saw for the first time copies of an official announcement posted at several locations in the area of the EECP in Stanytsia Luhanska. According to the announcement, from 16 March to 3 April, all crossings at the EECP would be restricted to entry only for those who have a permanent registration in government-controlled areas and exit to those who reside in non-government-controlled areas.

On 14 March, at a checkpoint on road H-15 near Kreminets (non-government-controlled, 16km south-west of Donetsk), the SMM saw about 400 cars in a queue to enter government-controlled areas. On 15 March, at a checkpoint near Horlivka, the SMM saw about 1,000 people in a queue to enter government-controlled areas.

## **Border areas outside government control**

On 14 March, a member of the armed formations told the SMM to leave the area of a border crossing point near Izvaryne (52km south-east of Luhansk) about nine minutes after its arrival.\* During its presence, the Mission saw no traffic in either direction. The same day, a member of the armed formations told the SMM to leave the area of the border crossing point near Sievernyi (50km south-east of Luhansk) approximately two minutes after its arrival.\* While present, it saw two pedestrians (a man and a woman) exiting Ukraine.

On 15 March, a member of the armed formations told the SMM to leave the area of a border crossing point near Voznesenivka (formerly Chervonopartyzansk, 65km south-east of Luhansk) approximately six minutes after its arrival.\* During its presence, the SMM saw no traffic in either direction. At the Chervona Mohyla railway station in Voznesenivka, the SMM saw 30 stationary empty wagons. About seven minutes after its arrival, a member of the armed formations told the SMM to leave the area.\*

## **Gatherings in Kyiv on recent developments related to certain areas of Donetsk and Luhansk regions**

On 13 and 14 March in Kyiv, the SMM saw a total of three gatherings of about 1,000 people each (mixed ages and gender) on recent developments pertinent to certain areas of Donetsk and Luhansk regions. The first gathering was in front of the Office of the President of Ukraine; the second one took place on Mykhailivska Square; and the third one was in front of the Embassy of the Russian Federation at 23 Povitroflotskyi Avenue. At the latter gathering, the SMM saw some of the participants light smoke flares and tear a flag of the Russian Federation. About 1,000 law enforcement officers were near the Embassy. The SMM saw law enforcement personnel at the two other gatherings as well and all dispersed without incidents.



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

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

*The SMM's monitoring and freedom of movement are restricted by security hazards and threats, including risks posed by mines, unexploded ordnance (UXO) and other impediments – which vary from day to day. The SMM's mandate provides for safe and secure access throughout Ukraine. All signatories of the Package of Measures have agreed on the need for this safe and secure access, that restriction of the SMM's freedom of movement constitutes a violation, and on the need for rapid response to these violations. They have also agreed that the Joint Centre for Control and 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 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.*

#### Denials of access:

- On 14 and 15 March, in non-government-controlled Donetsk city, a member of the armed formations [again](#) denied the SMM access to its regular observation post at the central railway station, citing “orders from superiors”.
- On 14 March, two armed members of the armed formations denied the SMM passage at a checkpoint near Starolaspa (non-government-controlled, 51km south of Donetsk), citing “ongoing operations in the area”.
- On 14 and 15 March, at a checkpoint west of Verkhnoшыrokiyske (formerly Oktiabr, non-government-controlled, 85km south of Donetsk) an armed member of the armed formations denied the SMM passage towards Sakhanka (non-government-controlled, 97km south of Donetsk) and Pikuzy (formerly Kominternove, non-government-controlled, 92km south of Donetsk), citing “an ongoing operation in the area.” During its presence at the checkpoint, the SMM saw civilian traffic proceeding in both directions on both days.
- On 14 March, at a border crossing point near Izvaryne (non-government-controlled, 52km south-east of Luhansk) and at a border crossing point near Sievernyi (non-government-controlled, 50km south-east of Luhansk), members of the armed formations told the SMM to leave the area.
- On 15 March, 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 15 March, at the Chervona Mohyla railway station in Voznesenivka, a member of the armed formations told the SMM to leave 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.

Delay:

- On 14 March, at a checkpoint west of Verkhnohyrokiyske, an armed member of the armed formations allowed the SMM to proceed only after approximately 20 minutes of waiting.

Other impediments:

- On 13 March, an SMM long-range unmanned aerial vehicle (UAV) experienced GPS signal interference, assessed as caused by probable jamming while flying over areas between government-controlled Pleshchiivka (51km north of Donetsk) and Zoria (40km north-west of Donetsk).<sup>7</sup>
- On 14 March, three SMM mini-UAVs experienced GPS signal interference, assessed as caused by probable jamming: on two occasions while flying over areas near Bezimenne (non-government-controlled, 100km south of Donetsk), on two occasions near Mytkovo-Kachkari (non-government-controlled, 93km south of Donetsk), and on three occasions near Roza (non-government-controlled, 89km south of Donetsk).

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<sup>7</sup> The interference could have originated from anywhere within the radius of kilometres from the UAVs' positions.



## Table of weapons

### Weapons in violation of the withdrawal lines

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
13/03/2020	1	Surface-to-air missile system (9K35 <i>Strela-10</i> )	Near Novozvanivka (70km west of Luhansk)	Long-range UAV
<b>Non-government-controlled areas</b>				
14/03/2020	1	Multiple launch rocket system (BM-21 <i>Grad</i> , 122mm)	Stationary near Makiivka (12km north-east of Donetsk)	Patrol

### Beyond withdrawal lines but outside designated storage sites

Date	No. of weapons	Type of weapon	Location	Source of observation
<b>Government-controlled areas</b>				
14/03/2020	10	Tank (T-64)	At the railway station in Kostiantynivka (60km north of Donetsk)	Patrol
	At least 22	Tank (T-64)		
15/03/2020	17	Tank (T-64)	Loaded on a train heading south at the railway station in Druzhkivka (72km north of Donetsk)	

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

Date	No.	Type	Location	Source of observation
<b>Government-controlled areas</b>				
13/03/2020	2	Armoured reconnaissance vehicle (BRDM-2)	Near Novoselivka Druha (23km north of Donetsk)	Long-range UAV
	1	Armoured combat vehicle		
	4	Armoured combat vehicle	Near (formerly, Krasnyi Pakhar, 66km north-east of Donetsk)	
	3	Armoured combat vehicle	Near Novozvanivka (70km west of Luhansk)	
	2	Infantry fighting vehicle (BMP variant)		
15/03/2020	5	Infantry fighting vehicle (BMP-2)	In the southern outskirts of Popasna (69km west of Luhansk)	Patrol
<b>Non-government-controlled areas</b>				
15/03/2020	1	Armoured personnel carrier (BTR-60)	In Kadiivka (formerly Stakhanov, 50km west of Luhansk)	Patrol

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

**Table of ceasefire violations as of 15 March 2020<sup>9</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4km NE	Recorded	1	Illumination flare	In vertical flight	N/K	14-Mar, 04:24
	2-4km ESE	Recorded	1	Muzzle flash		N/K	14-Mar, 18:00
	2-4km ESE	Recorded	1	Projectile	In vertical flight	N/K	14-Mar, 18:00
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km ESE	Recorded	6	Projectile	WSW to ENE	N/K	13-Mar, 20:08
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	6	Projectile	N to S	N/K	13-Mar, 20:35
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:52
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km ESE	Recorded	13	Projectile	SE to NW	N/K	13-Mar, 20:49
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 20:50
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 20:53
	500-800m E	Recorded	2	Projectile	SE to NW	N/K	13-Mar, 20:57
	1-2km ESE	Recorded	5	Projectile	In vertical flight	N/K	13-Mar, 20:58
	2-4km E	Recorded	1	Illumination flare	In vertical flight	N/K	13-Mar, 21:00
	1-2km ESE	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:04
	0.5-2km E	Recorded	10	Projectile	SE to NW	N/K	13-Mar, 21:05
	1-2km E	Recorded	1	Projectile	In vertical flight	N/K	13-Mar, 21:05
	0.5-2km E	Recorded	1	Projectile	N to S	N/K	13-Mar, 21:06
	1-2km E	Recorded	5	Projectile	In vertical flight	N/K	13-Mar, 21:06
	1-2km E	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:06
	0.5-2km ESE	Recorded	1	Projectile	SE to NW	N/K	13-Mar, 21:07
	1-2km ESE	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:08
	1-2km ESE	Recorded	6	Projectile	S to N	N/K	13-Mar, 21:11
	1-2km ESE	Recorded	3	Projectile	S to N	N/K	13-Mar, 21:13
	1-2km E	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:16
	1-2km E	Recorded	1	Projectile	S to N	N/K	13-Mar, 21:17
	0.5-2km E	Recorded	8	Projectile	SE to NW	N/K	13-Mar, 21:21
	1-2km ESE	Recorded	14	Projectile	SE to NW	N/K	13-Mar, 21:24
	1-2km ESE	Recorded	2	Projectile	In vertical flight	N/K	13-Mar, 21:24
	1-2km ESE	Recorded	11	Projectile	SE to NW	N/K	13-Mar, 21:25
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:29
	4-5km E	Recorded	1	Explosion	Impact	N/K	14-Mar, 18:13
3-4km E	Recorded	5	Projectile	NW to SE	N/K	14-Mar, 18:13	
4-5km E	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:40	
SMM camera at Oktiabr mine (non-government-controlled, 9km NW)	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:03
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:08
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:10
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 00:17

<sup>9</sup> The 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.

of Donetsk city centre)	4-6km ENE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 00:18
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:21
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:25
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:27
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:31
	4-6km ENE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 01:33
	4-6km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:34
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:40
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:41
	4-6km NE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:42
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:43
	4-6km NE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 01:44
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:45
	6-8km ENE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 01:48
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:48
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:49
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 01:57
	6-8km ENE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 02:13
	4-6km NE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 03:34
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-7km N	Recorded	6	Projectile	E to W	N/K	13-Mar, 19:05
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 19:10
	5-7km N	Recorded	2	Projectile	WNW to ESE	N/K	13-Mar, 19:10
	5-7km N	Recorded	1	Explosion	Impact	N/K	13-Mar, 19:10
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 19:11
	5-7km N	Recorded	1	Projectile	WNW to ESE	N/K	13-Mar, 19:11
	5-7km N	Recorded	5	Projectile	E to W	N/K	13-Mar, 19:13
	4-6km N	Recorded	1	Muzzle flash		N/K	13-Mar, 19:24
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Mar, 19:24
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	13-Mar, 19:28
	4-6km N	Recorded	6	Projectile	E to W	N/K	13-Mar, 19:30
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 20:31
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 20:32
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:50
	3-5km N	Recorded	6	Explosion	Undetermined	N/K	13-Mar, 20:51
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 20:55
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 20:56
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:56
	3-5km N	Recorded	10	Projectile	E to W	N/K	13-Mar, 20:57
	3-5km N	Recorded	3	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 20:57
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	13-Mar, 20:58
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 20:58
	3-5km N	Recorded	1	Muzzle flash		N/K	13-Mar, 20:59
	3-5km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 20:59
	3-5km N	Recorded	8	Projectile	E to W	N/K	13-Mar, 21:00
	3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:00
	3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 21:01
	3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:02
	3-5km N	Recorded	7	Projectile	E to W	N/K	13-Mar, 21:03
	3-5km NNW	Recorded	1	Muzzle flash		N/K	13-Mar, 21:05
	3-5km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 21:05
3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:05	

3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:05
3-5km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:06
3-5km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 21:06
3-5km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:06
3-5km N	Recorded	3	Projectile	E to W	N/K	13-Mar, 21:07
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:12
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:13
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:14
3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:16
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:17
5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:18
3-5km N	Recorded	2	Projectile	E to W	N/K	13-Mar, 21:22
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:28
5-7km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 21:31
5-7km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 21:38
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:50
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:50
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:50
3-5km N	Recorded	4	Projectile	E to W	N/K	13-Mar, 21:53
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:54
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:54
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:54
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:55
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:55
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:55
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:56
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:56
2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 21:56
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:57
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:57
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 21:58
2-4km N	Recorded	1	Projectile	E to W, subsequent to previous event	N/K	13-Mar, 21:58
2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 22:04
2-4km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 22:04
2-4km N	Recorded	1	Explosion	Airburst, subsequent to previous event	N/K	13-Mar, 22:04

	2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Projectile	W to E, subsequent to previous event	N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	13-Mar, 22:10
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:10
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 22:11
	3-5km N	Recorded	2	Projectile	E to W	N/K	13-Mar, 22:13
	3-5km N	Recorded	3	Projectile	W to E	N/K	13-Mar, 22:15
	3-5km N	Recorded	4	Explosion	Undetermined	N/K	13-Mar, 22:15
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 22:16
	3-5km N	Recorded	1	Projectile	W to E	N/K	13-Mar, 22:16
	3-5km N	Recorded	3	Explosion	Undetermined	N/K	13-Mar, 22:17
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:20
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 22:21
	3-5km N	Recorded	5	Muzzle flash		N/K	13-Mar, 22:31
	2-4km N	Recorded	1	Muzzle flash		N/K	13-Mar, 23:42
	2-4km N	Recorded	1	Projectile	SE to NW, subsequent to previous event	N/K	13-Mar, 23:42
	2-4km N	Recorded	1	Projectile	SE to NW	N/K	14-Mar, 00:09
	3-5km NNE	Recorded	2	Projectile	E to W	N/K	14-Mar, 02:14
	3-5km N	Recorded	2	Projectile	E to W	N/K	14-Mar, 03:19
	3-5km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 03:58
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 17:58
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:37
	5-7km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 18:38
	5-7km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 18:38
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 18:38
	5-7km N	Recorded	2	Projectile	E to W	N/K	14-Mar, 18:42
	5-7km N	Recorded	1	Projectile	In vertical flight	N/K	14-Mar, 18:42
	5-7km N	Recorded	7	Projectile	E to W	N/K	14-Mar, 18:43
Railway station in Donetsk city (non-government-controlled, 6km NW of Donetsk city centre)	3-4km W	Heard	2	Explosion	Impact	N/K	14-Mar, 08:53
	3-4km W	Heard	2	Explosion	Impact	N/K	14-Mar, 09:01
	4-5km SW	Heard	1	Explosion	Impact	N/K	14-Mar, 09:15
	4-5km W	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:16
	3-4km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:16
	3-4km W	Heard	2	Explosion	Undetermined	N/K	14-Mar, 09:18
About 1km N of railway station in Donetsk city (6km NW of Donetsk city centre)	6-8km NNE	Heard	1	Explosion	Undetermined	N/K	14-Mar, 09:56
About 700m ESE of Kruta Balka (non-government-controlled, 16km N of Donetsk)	1-2km NW	Heard	6	Shot	Assessed as within 5km radius of DFS	Small arms	14-Mar, 11:18
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km SSE	Heard	23	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 09:42-09:45
	3-4km W	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	14-Mar, 09:45
	2-3km SSE	Heard	8	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 10:39-10:41

	2-3km SSE	Heard	6	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 10:45
About 700m NW of Petrivske (non-government-controlled, 41km S of Donetsk)	1-2km SSE	Heard	10	Burst	Assessed as outside the disengagement area	N/K	14-Mar, 11:00
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	10km NW	Heard	4	Explosion	Undetermined	N/K	14-Mar, 09:46-09:51
	10km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 13:49
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	4km SE	Heard and saw	1	Explosion	Undetermined	N/K	14-Mar, 10:34
	4km SE	Saw	1	Burst	Airburst		14-Mar, 10:34
	4km SE	Saw	1	Burst	Airburst		14-Mar, 10:50
	N/K SSE	Saw	1	Explosion	Undetermined	N/K	14-Mar, 13:40
About 600m W of Verkhnohyrokiyske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	1-2km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 11:38
Horlivka (non-government-controlled, 39km NE of Donetsk)	0.5-1km ESE	Heard	2	Burst		Small arms	13-Mar, 22:12
	0.5-1km ESE	Heard	2	Burst		Small arms	13-Mar, 22:17
	0.5-1km ESE	Heard	2	Shots		Small arms	13-Mar, 22:19
	3-4km W	Heard	7	Burst		HMG	13-Mar, 22:18-22:20
	3-4km W	Heard	1	Explosion	Undetermined	N/K	13-Mar, 22:21
	3-4km W	Heard	8	Burst		HMG	13-Mar, 22:43-22:44
	4-6km NW	Heard	4	Explosion	Undetermined	N/K	13-Mar, 23:56
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:01
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:03
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:05
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:07
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:09
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:13
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:15
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 00:17
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 00:18
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:20
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:22
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:25
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:28
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:30
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	14-Mar, 01:32
	2-3km NW	Heard	3	Explosion	Undetermined	N/K	14-Mar, 01:33-01:35
	4-6km NNW	Heard	16	Explosion	Undetermined	N/K	14-Mar, 01:40-01:50
	4-6km NW	Heard	15	Explosion	Undetermined	N/K	14-Mar, 02:06-02:18
	4-5km W	Heard	3	Burst		HMG	14-Mar, 02:24
	5-6km WNW	Heard	4	Explosion	Undetermined	N/K	14-Mar, 02:24-02:28
	4-5km W	Heard	4	Burst		HMG	14-Mar, 02:31
5-6km WNW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 02:36	

	3-4km NW	Heard	11	Explosion	Undetermined	N/K	14-Mar, 02:37-02:40
	4-5km NW	Heard	6	Explosion	Undetermined	N/K	14-Mar, 02:51-02:55
About 6km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km NW	Heard	40	Burst		HMG	14-Mar, 14:10-14:20
	2-3km NW	Heard	25	Burst		HMG	14-Mar, 14:25-14:30
	2-3km NW	Heard	7	Burst		HMG	14-Mar, 14:32-14:39
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km S	Heard	8	Burst		HMG	13-Mar, 21:03-21:05
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	13-Mar, 22:38
	3-5km S	Heard	1	Explosion	Undetermined	N/K	13-Mar, 23:15
	2-3km SE	Heard	3	Explosion	Undetermined	N/K	13-Mar, 23:32
	3-5km SE	Heard	2	Burst	Undetermined	N/K	13-Mar, 22:38
	3-5km SSW	Heard	6	Explosion	Undetermined	N/K	13-Mar, 23:48-23:52
N edge of Popasna (government-controlled, 69km W of Luhansk)	4-5km SE	Heard	2	Explosion	Undetermined	N/K	14-Mar, 18:40
	3-5km SE	Heard	23	Explosion	Undetermined	N/K	13-Mar, 23:15-23:50
	8-10km S	Heard	8	Explosion	Undetermined	N/K	14-Mar, 00:10-01:10
	3-5km SE	Heard	4	Explosion	Undetermined	N/K	14-Mar, 00:10-01:10
	3-5km SE	Heard	32	Burst		HMG	14-Mar, 00:10-01:10
	8-10km S	Heard	24	Explosion	Undetermined	N/K	14-Mar, 01:35-02:10
	3-5km SE	Heard	40	Shot		Small arms	14-Mar, 01:35-02:30
	3-5km SE	Heard	27	Burst		HMG	14-Mar, 01:35-02:30
	3-5km SE	Heard	3	Explosion	Undetermined	N/K	14-Mar, 04:37-05:45
	3-5km SE	Heard	32	Shots and bursts		Small arms	14-Mar, 04:37-05:45
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	3-5km SE	Heard	12	Burst		HMG	14-Mar, 04:37-05:45
	1-1.5km NNW	Heard	5	Shot	Assessed as outside the disengagement area	Small arms	14-Mar, 11:53
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-1.5km NNW	Heard	3	Burst	Assessed as outside the disengagement area	Small arms	14-Mar, 11:53
	4-6km SSW	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 20:05
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	2-4km SSW	Recorded	1	Explosion	Airburst	N/K	14-Mar, 17:40
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:33
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Mar, 23:35
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:41
	2-4km SSE	Recorded	1	Explosion	Undetermined	N/K	13-Mar, 23:45
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	3-5km ENE	Recorded	2	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:00
	3-5km ENE	Recorded	2	Explosion	Undetermined, assessed as outside the	N/K	14-Mar, 04:01



					disengagement area		
	3-5km ENE	Recorded	4	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:02
	3-5km ENE	Recorded	1	Explosion	Undetermined, assessed as outside the disengagement area	N/K	14-Mar, 04:03
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	2-4km SE	Recorded	5	Projectile	W to E	N/K	14-Mar, 20:15
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	2.5-3.5km SE	Recorded	11	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:36
	2.5-3.5km SE	Recorded	40	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:38
	2.5-3.5km SE	Recorded	8	Projectile	SW to NE, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:43
	2.5-3.5km SE	Recorded	3	Projectile	N to S, unable to be assessed inside or outside the disengagement area	N/K	14-Mar, 20:43
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	14-Mar, 20:43
	2-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:51
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as inside the disengagement area	N/K	14-Mar, 21:53
	3-4km ESE	Recorded	2	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:54
	3-4km ESE	Recorded	1	Explosion	Airburst, assessed as subsequent to previous event and inside the	N/K	14-Mar, 21:54

					disengagement area		
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 21:58	
3-4km ESE	Recorded	1	Explosion	Impact, assessed as subsequent to previous event and inside the disengagement area	N/K	14-Mar, 21:58	
2-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 22:42	
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 22:43	
3-4km ESE	Recorded	1	Explosion	Airburst, subsequent to previous event, assessed as inside the disengagement area	N/K	14-Mar, 22:43	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:44	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:48	
3-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 22:58	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:01	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:03	
2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside of the disengagement area	N/K	14-Mar, 23:14	
2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:14	
3-4km ESE	Recorded	1	Projectile	SW to NE, assessed as inside the	N/K	14-Mar, 23:21	

					disengagement area		
	2-4km ESE	Recorded	1	Muzzle flash	Assessed as inside of the disengagement area	N/K	14-Mar, 23:27
	2-4km ESE	Recorded	1	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:27
	5-7km ESE	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 23:28
	2-4km ESE	Recorded	6	Explosion	Undetermined, assessed as inside of the disengagement area	N/K	14-Mar, 23:29
	3-4km ESE	Recorded	6	Projectile	SW to NE, assessed as inside the disengagement area	N/K	14-Mar, 23:39
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-4km SE	Recorded	2	Projectile	NNE to SSW	N/K	14-Mar, 19:38
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:47
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:12
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:13
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:14
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:15
	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:16
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:19
	3-5km SSW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:20
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 00:00
	2-4km ESE	Recorded	1	Projectile	S to N	N/K	14-Mar, 21:05
	2-4km ESE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	14-Mar, 21:05
	2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Mar, 21:06
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km ESE	Recorded	2	Projectile	S to N	N/K	14-Mar, 21:07
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:46
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 21:50
	3-4km NNE	Recorded	1	Projectile	SW to NE	N/K	14-Mar, 21:54
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:54
	1-2km NNE	Recorded	1	Muzzle flash		N/K	14-Mar, 21:57
	1-2km NNE	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	14-Mar, 21:57
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:58
	3-4km NNE	Recorded	1	Illumination flare	W to E	N/K	14-Mar, 21:59
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 21:59
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:00
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:02

	3-4km NNE	Recorded	2	Projectile	W to E	N/K	14-Mar, 22:04
	3-4km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 22:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:47
	3-4km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:50
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:52
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:55
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:10
	4-6km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:11
	4-6km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:13
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:15
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:16
	4-6km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:19
	2-4km NNE	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 23:25
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:38
	5-7km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:42
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:45
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:52
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 23:54
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 00:14
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 01:23
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km NE	Recorded	4	Projectile	SSW to NNE (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:12
	1-3km NE	Recorded	2	Projectile	SSW to NNE	N/K	14-Mar, 22:14
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:53
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:55
	2-4km NE	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera at DFS)	N/K	14-Mar, 22:58
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	5-7km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 19:29
	5-7km N	Recorded	5	Projectile	SE to NW	N/K	14-Mar, 19:38
	5-7km N	Recorded	3	Projectile	SE to NW	N/K	14-Mar, 19:42
	5-7km N	Recorded	14	Projectile	SE to NW	N/K	14-Mar, 19:43
	5-7km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 19:46
	3-5km N	Recorded	4	Projectile	E to W	N/K	14-Mar, 20:23
	3-5km N	Recorded	1	Projectile	E to W	N/K	14-Mar, 20:24
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 20:36
	3-5km N	Recorded	3	Projectile	ESE to WNW	N/K	14-Mar, 20:43
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 21:14
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:01
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 22:01
	3-5km N	Recorded	5	Projectile	E to W	N/K	14-Mar, 22:10
	3-5km N	Recorded	1	Projectile	W to E	N/K	14-Mar, 22:26
	3-5km N	Recorded	2	Projectile	W to E	N/K	14-Mar, 23:09
	3-5km NNE	Recorded	1	Projectile	W to E	N/K	14-Mar, 23:18
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:32
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 23:36
	3-5km N	Recorded	5	Projectile	E to W	N/K	15-Mar, 01:05
	3-5km N	Recorded	2	Projectile	E to W	N/K	15-Mar, 01:06
	2-4km NNE	Recorded	1	Projectile	ESE to WNW	N/K	15-Mar, 01:14
	2-4km N	Recorded	16	Muzzle flash		N/K	15-Mar, 02:08
	2-4km N	Recorded	19	Projectile	NW to SE	N/K	15-Mar, 02:08
2-4km N	Recorded	3	Explosion	Impact	N/K	15-Mar, 02:08	

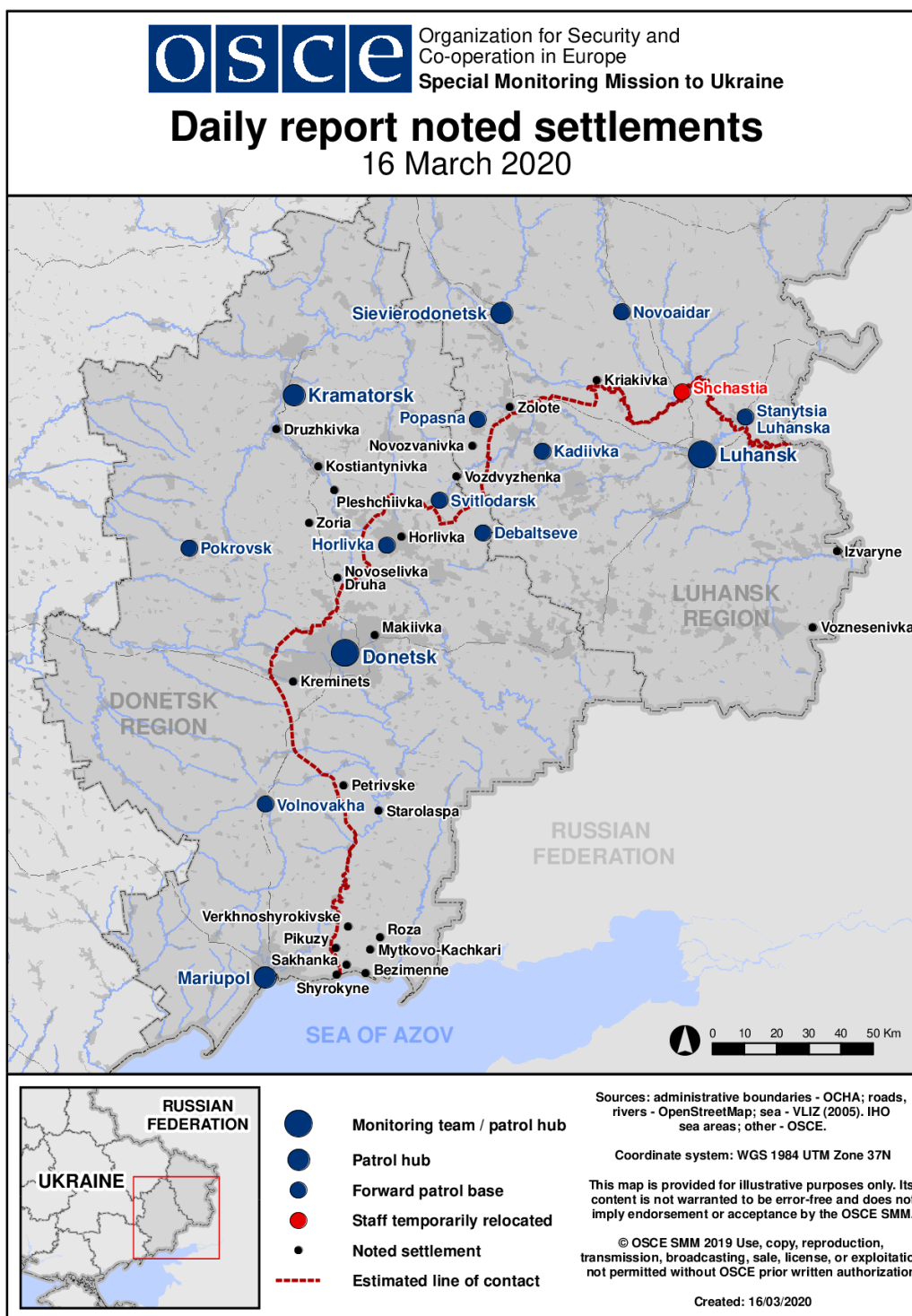
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 02:08
	2-4km N	Recorded	12	Projectile	W to E	N/K	15-Mar, 02:09
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	15-Mar, 02:10
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	15-Mar, 02:50
	2-4km NNE	Recorded	2	Projectile	ESE to WNW	N/K	15-Mar, 02:51
	5-7km N	Recorded	10	Projectile	WSW to ENE	N/K	15-Mar, 18:21
	5-7km N	Recorded	1	Burst	SE to NW	N/K	15-Mar, 18:21
	5-7km N	Recorded	6	Projectile	WSW to ENE	N/K	15-Mar, 18:22
	5-7km N	Recorded	3	Projectile	SE to NW	N/K	15-Mar, 18:22
	5-7km N	Recorded	3	Muzzle flash		N/K	15-Mar, 18:22
	5-7km N	Recorded	5	Projectile	WSW to ENE	N/K	15-Mar, 18:22
	5-7km N	Recorded	2	Projectile	SW to NE	N/K	15-Mar, 18:23
	5-7km N	Recorded	2	Projectile	SW to NE	N/K	15-Mar, 18:24
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:27
	5-7km N	Recorded	3	Projectile	WSW to ENE	N/K	15-Mar, 18:27
	5-7km NNE	Recorded	8	Explosion	Undetermined	N/K	15-Mar, 18:30
	2-4km NNE	Recorded	5	Projectile		N/K	15-Mar, 18:31
	5-7km N	Recorded	4	Projectile		N/K	15-Mar, 18:31
	2-4km NNE	Recorded	5	Explosion	Undetermined	N/K	15-Mar, 18:31
	5-7km N	Recorded	4	Explosion	Undetermined	N/K	15-Mar, 18:31
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:46
	2-4km NNE	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 18:49
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:53
	5-7km N	Recorded	1	Explosion	Undetermined	N/K	15-Mar, 18:54
	5-7km N	Recorded	2	Explosion	Undetermined	N/K	15-Mar, 18:56
About 1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	3km SW	Heard	3	Explosion	Undetermined (within 5km radius of DFS)	N/K	15-Mar, 09:08-09:11
Railway station in Donetsk (non-government-controlled, 6km NW of Donetsk city centre)	3-4km W	Heard	28	Explosion	Undetermined	N/K	15-Mar, 11:05-11:30
	3-4km W	Heard	11	Burst		HMG	15-Mar, 11:05-11:30
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km NNW	Heard	2	Explosion	Undetermined	N/K	15-Mar, 11:13
About 1km SE of Chermalyk (government-controlled, 77km S of Donetsk)	300m S	Heard	5	Shot		N/K	15-Mar, 12:50-12:56
	3-4km SE	Heard	26	Burst		HMG	15-Mar, 12:50-12:56
	3-4km SE	Heard	3	Explosion	Undetermined	N/K	15-Mar, 12:50-12:56
Horlivka (non-government-controlled, 39km NE of Donetsk)	2-3km WNW	Heard	5	Burst		HMG	14-Mar, 22:11-22:13
	7-9km WNW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 22:46-22:48
	7-9km SW	Heard	11	Explosion	Undetermined	N/K	14-Mar, 23:12-23:18
	7-9km SW	Heard	3	Explosion	Undetermined	N/K	14-Mar, 23:22
	7-9km SW	Heard	2	Explosion	Undetermined	N/K	14-Mar, 23:54
	6-8km S	Heard	8	Explosion	Undetermined	N/K	15-Mar, 00:02-00:04
	4-5km WSW	Heard	1	Explosion	Undetermined	N/K	15-Mar, 10:25
	3-4km W	Heard	3	Burst		HMG	15-Mar, 10:30
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km N	Heard	12	Burst		HMG	14-Mar, 20:13-20:14
	3-5km SE	Heard	8	Burst		HMG	14-Mar, 21:00
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	14-Mar, 22:01

	4-6km S	Heard	6	Explosion	Undetermined	N/K	15-Mar, 08:36-08:39
	4-6km S	Heard	1	Explosion	Undetermined	N/K	15-Mar, 13:39
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	13-15km N	Heard	40	Explosion	Undetermined	N/K	15-Mar, 05:50-06:20
N edge of disengagement area near Zolote (government-controlled, 60km W of Luhansk)	3-5km ESE	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	15-Mar, 10:15
N edge of Smile (non-government-controlled, 31km NW of Luhansk)	3-4km NW	Heard	13	Shot		Small arms	15-Mar, 11:09-11:12
	5-8km WNW	Heard	4	Shot		HMG	15-Mar, 11:13
Shchastia (government-controlled, 20km N of Luhansk)	5-8km SE	Heard	19	Explosion	Undetermined	N/K	15-Mar, 12:23-12:34
3km E of Staryi Aidar (government-controlled, 20km NW of Luhansk)	4-8km SE	Heard	6	Explosion	Undetermined	N/K	15-Mar, 12:54-13:00
About 1km E of Zolote-3/Stakhanovets (government-controlled, 60km W of Luhansk)	5-10km ESE	Heard	1	Explosion	Undetermined	N/K	15-Mar, 13:41
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	2-4km SW	Recorded	1	Projectile	NW to SE	N/K	14-Mar, 20:06
	2-4km SSW	Recorded	1	Projectile	WSW to ENE	N/K	14-Mar, 20:06
	3-5km SSW	Recorded	4	Explosion	Undetermined	N/K	14-Mar, 20:06
	3-5km SW	Recorded	3	Explosion	Undetermined	N/K	14-Mar, 20:07
	3-5km SW	Recorded	2	Explosion	Undetermined	N/K	14-Mar, 20:08
	3-5km SW	Recorded	2	Explosion	Airburst	N/K	14-Mar, 20:08
	3-5km SW	Recorded	1	Explosion	Undetermined	N/K	14-Mar, 20:09
	3-5km SW	Recorded	8	Projectile	NW to SE	N/K	14-Mar, 20:23
	3-5km SSW	Recorded	2	Projectile	ENE to WSW	N/K	14-Mar, 20:23
	3-5km SSW	Recorded	9	Projectile	NW to SE	N/K	14-Mar, 20:32
	3-5km SW	Recorded	5	Projectile	In vertical flight	N/K	15-Mar, 18:52
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	4-6km E	Recorded	4	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 19:28
	4-6km E	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	14-Mar, 19:29
	3-5km E	Recorded	1	Projectile	N to S, assessed as outside the disengagement area	N/K	14-Mar, 19:29
	4-6km E	Recorded	1	Explosion	Undetermined, assessed as outside of the disengagement area	N/K	15-Mar, 18:59
	4-6km E	Recorded	7	Projectile	N to S, assessed as outside the disengagement area	N/K	15-Mar, 18:59

	5-7km SE	Recorded	2	Explosion	Undetermined, assessed as outside the disengagement area	N/K	15-Mar, 18:46
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### Map of Donetsk and Luhansk regions<sup>10</sup>



<sup>10</sup> The SMM is deployed to ten locations throughout Ukraine – Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv – as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: a forward patrol base from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations. The SMM uses the premises during daylight hours and patrols in this settlement during daylight hours, as well).