

**Table of ceasefire violations as of 5 December 2018<sup>1</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded	8	Projectile	NE to SW	N/K	5-Dec, 02:07
	3-5km SE	Recorded	2	Projectile	WNW to ESE	N/K	5-Dec, 02:07
	3-5km SE	Recorded	4	Projectile	NE to SW	N/K	5-Dec, 02:08
	3-5km SE	Recorded	1	Projectile	SW to NE	N/K	5-Dec, 02:08
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	5-Dec, 02:13
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	5-Dec, 02:41
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	5-Dec, 03:07
	3-5km SE	Recorded	2	Projectile	NE to SW	N/K	5-Dec, 04:00
SMM camera in Chermalyk (government-controlled, 31km NE of Mariupol)	1-3km SSE	Recorded	1	Muzzle flash		N/K	4-Dec, 23:14
	1-3km SSE	Recorded	1	Projectile	WSW to ENE	N/K	4-Dec, 23:14
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-2km S	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 20:14
	1-2km S	Recorded	1	Projectile	In vertical flight	N/K	4-Dec, 20:15
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 20:43
	1-2km S	Recorded	1	Projectile	WNW to ESE	N/K	4-Dec, 20:43
	0.5-1km S	Recorded	1	Projectile	W to E	N/K	4-Dec, 20:55
	0.5-1km S	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 21:09
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 22:39
	1-2km SSW	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 23:15
	0.5-1km S	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 23:29
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 23:30
	1-2km SSW	Recorded	1	Projectile	NW to SE	N/K	5-Dec, 01:19
	1-2km SSW	Recorded	3	Projectile	NW to SE	N/K	5-Dec, 02:07
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	5-Dec, 02:13
	1-2km SSW	Recorded	1	Projectile	SSE to NNW	N/K	5-Dec, 03:03
	1-2km SSW	Recorded	2	Projectile	NW to SE	N/K	5-Dec, 04:00
	1-2km SSW	Recorded	1	Projectile	NNW to SSE	N/K	5-Dec, 04:00
SMM camera 1.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	1-3km S	Recorded	8	Projectile	E to W	N/K	5-Dec, 17:32
	1-3km SSW	Recorded	1	Projectile	E to W	N/K	5-Dec, 17:32
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	4-Dec, 21:50
	2-4km E	Recorded	4	Projectile	NW to SE	N/K	4-Dec, 21:51
	2-4km E	Recorded	4	Projectile	NW to SE	N/K	4-Dec, 22:51
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	4-Dec, 23:54
	2-4km E	Recorded	3	Explosion	Undetermined	N/K	4-Dec, 23:54
	2-4km E	Recorded	4	Projectile	SW to NE	N/K	5-Dec, 02:00
	2-4km E	Recorded	16	Projectile	SW to NE	N/K	5-Dec, 02:01
	2-4km E	Recorded	2	Projectile	NW to SE	N/K	5-Dec, 02:16
	2-4km ESE	Recorded	2	Projectile	SW to NE	N/K	5-Dec, 03:29
	2-4km E	Recorded	19	Projectile	NW to SE	N/K	5-Dec, 04:08
	2-4km E	Recorded	3	Projectile	NW to SE	N/K	5-Dec, 04:09
	2-4km E	Recorded	1	Projectile	NW to SE	N/K	5-Dec, 04:13
2-4km E	Recorded	1	Explosion	Undetermined	N/K	5-Dec, 04:19	
2-4km E	Recorded	13	Projectile	SW to NE	N/K	5-Dec, 04:20	
2-4km E	Recorded	8	Projectile	SW to NE	N/K	5-Dec, 05:30	
2-4km E	Recorded	1	Projectile	NW to SE	N/K	5-Dec, 05:30	
SMM camera at entry-exit checkpoint in	4-6km E	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 23:03
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	5-Dec, 04:00

<sup>1</sup> The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, and are not always necessarily precise. When information is not known (indicated with an “N/K”), the SMM was unable to ascertain such information due to distance, weather conditions and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

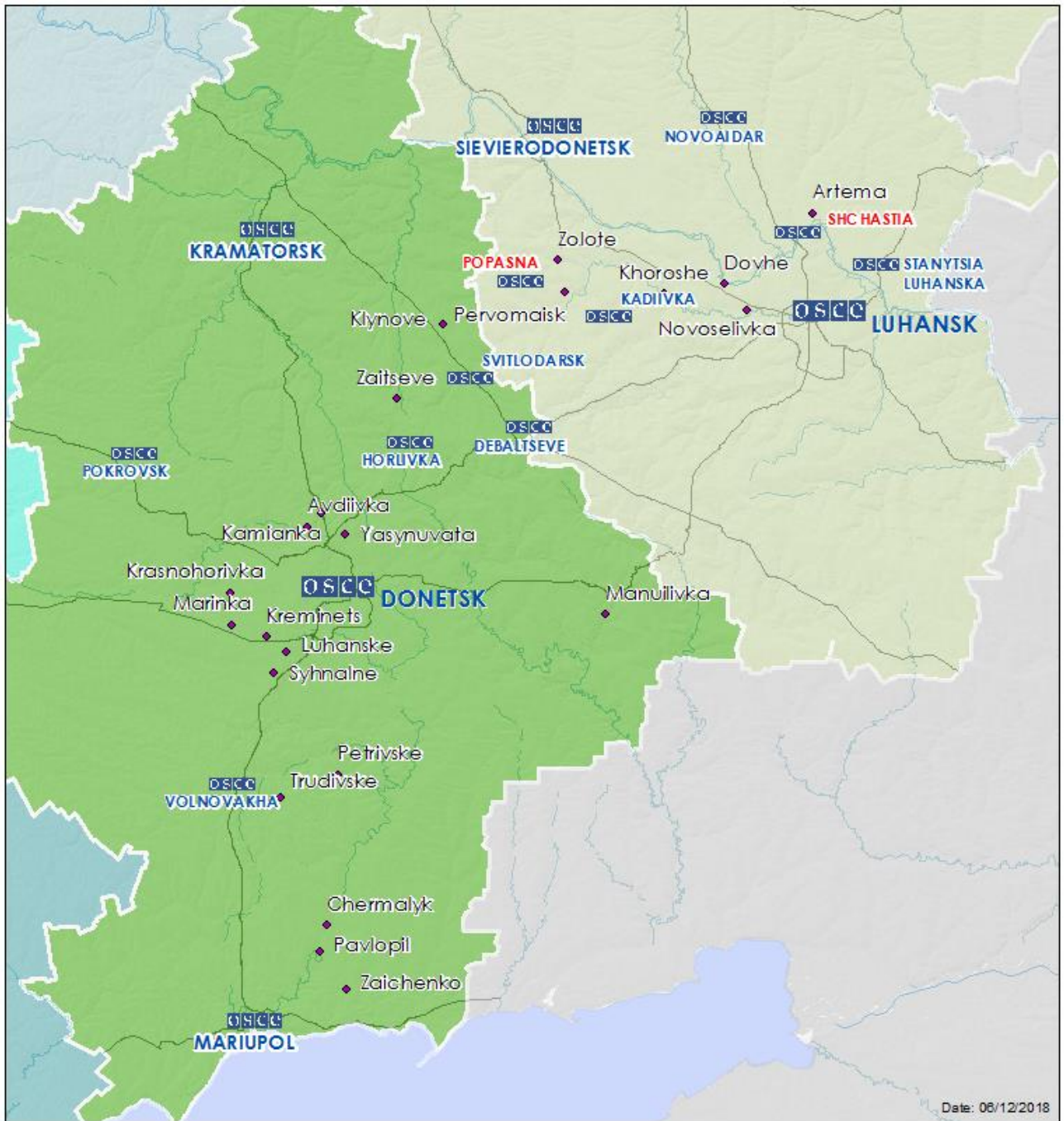
Maiorsk (government-controlled, 45km NE of Donetsk)							
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NNE	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 23:15
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	5-Dec, 10:00
	1-2km SE	Heard	1	Explosion	Undetermined	N/K	5-Dec, 10:59
	1-2km SE	Heard	2	Explosion	Undetermined	N/K	5-Dec, 11:08
	1-2km SE	Heard	6	Shot		Small arms	5-Dec, 11:51
	1-2km SE	Heard	2	Shot		Small arms	5-Dec, 12:15
2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	2-3km S	Heard	10	Burst	Unable to assess whether inside or outside the disengagement area	Small arms	5-Dec, 09:55-10:00
1km NW of railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1.5-2km S	Heard	5	Shot		Small arms	5-Dec, 10:17-10:21
	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	5-Dec, 12:00
	1-2km S	Heard	2	Shot		Small arms	5-Dec, 12:28
2km E of Bohdanivka (government-controlled, 41km S of Donetsk)	N/K ESE	Heard	10	Burst		Small arms	5-Dec, 09:58
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K E	Heard	3	Explosion	Undetermined	N/K	5-Dec, 11:00
	N/K E	Heard	3	Explosion	Undetermined	N/K	5-Dec, 11:03-11:06
	N/K NE	Heard	6	Explosion	Undetermined	N/K	5-Dec, 11:03-11:06
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SW	Heard	4	Burst		HMG	4-Dec, 18:50
	2-3km SW	Heard	6	Burst		HMG	4-Dec, 19:10-19:12
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 19:16
	2-3km SW	Heard	30	Burst		HMG	4-Dec, 19:17-19:40
	4-5km SW	Heard	6	Explosion	Undetermined	N/K	4-Dec, 19:45
	2-3km SW	Heard	20	Burst		HMG	4-Dec, 19:50-19:55
	4-5km SW	Heard	8	Explosion	Undetermined	N/K	4-Dec, 20:15
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 20:30
	2-3km SW	Heard	30	Burst		HMG	4-Dec, 20:30-20:45
	4-5km SW	Heard	6	Explosion	Undetermined	N/K	4-Dec, 20:50
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	4-Dec, 21:15
	2-3km SW	Heard	20	Burst		HMG	4-Dec, 21:20-21:30
	2-3km SW	Heard	26	Burst		HMG	4-Dec, 21:40-21:50
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 21:50
	2-3km SW	Heard	4	Burst		HMG	4-Dec, 21:52
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 22:05
2-3km SW	Heard	4	Burst		HMG	4-Dec, 22:40	
2-3km SW	Heard	10	Burst		HMG	4-Dec, 22:45	

	4-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 22:46
	2-3km SW	Heard	4	Burst		HMG	4-Dec, 22:55
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	4-Dec, 23:00
	2-3km SW	Heard	15	Burst		HMG	4-Dec, 23:02-23:25
	4-5km SW	Heard	9	Explosion	Undetermined	N/K	4-Dec, 23:30-23:32
	2-3km SW	Heard	12	Burst		HMG	4-Dec, 23:45-23:50
	4-5km SW	Heard	8	Explosion	Undetermined	N/K	4-Dec, 23:51-23:58
	2-3km SW	Heard	10	Burst		HMG	5-Dec, 13:29
	2-3km SW	Heard	12	Burst		HMG	5-Dec, 14:12
	3-4km SW	Heard	13	Explosion	Undetermined	N/K	5-Dec, 17:12
	3-5km SW	Heard	7	Explosion	Undetermined	N/K	5-Dec, 17:51
N edge of Horlivka (non-government-controlled, 39km NE of Donetsk)	2-4km N	Heard	2	Burst		HMG	5-Dec, 09:25
E edge of Kamianka (government-controlled, 20km N of Donetsk)	3-5km E	Heard	1	Explosion	Undetermined	N/K	5-Dec, 09:03
	2-4km ESE	Heard	3	Shot		Small arms	5-Dec, 09:05
	2-4km S	Heard	13	Burst		HMG	5-Dec, 09:05
	2-4km ESE	Heard	6	Shot		Small arms	5-Dec, 09:07
	2-4km ESE	Heard	10	Shot		Small arms	5-Dec, 09:12
	2-4km ESE	Heard	42	Shot		AGL	5-Dec, 09:15
	3-5km ESE	Heard	1	Explosion	Undetermined	N/K	5-Dec, 09:17
	0.5-1km E	Heard	8	Shot		Small arms	5-Dec, 09:50
	2-3km S	Heard	1	Explosion	Undetermined	N/K	5-Dec, 10:01
	1-2km NE	Heard	8	Burst		Small arms	5-Dec, 10:12
	2-3km NE	Heard	16	Burst		HMG	5-Dec, 10:16
	2-3km NE	Heard	6	Explosion	Undetermined	N/K	5-Dec, 10:25
	2-3km S	Heard	8	Shot		Small arms	5-Dec, 10:38
	2-4km S	Heard	3	Explosion	Undetermined	Small arms	5-Dec, 12:07
	2-3km S	Heard	4	Burst		HMG	5-Dec, 12:12
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-15km W	Heard	228	Explosion	Undetermined	N/K	4-Dec, 18:21-19:35
	10-15km W	Heard	4	Burst		Cannon (30mm)	4-Dec, 18:21-19:35
	10-15km W	Heard	286	Burst		HMG	4-Dec, 18:21-19:35
	10-15km W	Heard	14	Explosion	Undetermined	AGL	4-Dec, 18:21-19:35
	10-15km NW	Heard	166	Explosion	Impact and outgoing	N/K	4-Dec, 18:15-19:29
	10-15km NW	Heard	101	Burst		HMG	4-Dec, 18:15-19:29
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	3-5km SW	Heard	20	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	4-Dec, 20:18-20:26
	3-5km SW	Heard	9	Shot	Assessed as outside the disengagement area	Small arms	4-Dec, 20:18-20:26
	3-5km SW	Heard	7	Burst	Assessed as outside the	Small arms	4-Dec, 20:18-20:26

					disengagement area		
Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	0.6-1km NW	Heard	6	Shot	Assessed as outside the disengagement area	Small arms	5-Dec, 10:10-10:23
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	1.5-3km N	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 10:49-10:52
N edge of Zolote-4/Rodina (government-controlled, 59km W of Luhansk)	3-5km E	Heard	3	Shot	Assessed as outside the disengagement area	Small arms	5-Dec, 10:12
	3-5km E	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 10:12
Obozne (non-government-controlled, 18km N of Luhansk)	1-3km NE	Heard	15	Shot		N/K	5-Dec, 10:45-10:47
3km SSW of Muratove (government-controlled, 51km NW of Luhansk)	2-3km S	Heard	3	Burst		HMG	5-Dec, 11:25
E edge of Zolote-2/Karbonit (government-controlled, 62km W of Luhansk)	3-5km E	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 12:35
	3-5km E	Heard	21	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 13:35-14:45
	3-5km E	Heard	15	Burst	Assessed as outside the disengagement area	HMG	5-Dec, 13:35-14:45
	1km E	Heard	10	Shot	Assessed as outside the disengagement area	Small arms	5-Dec, 13:35-14:45
Pervomaisk (non-government-controlled, 58km W of Luhansk)	3-5km NNE	Heard	120	Explosion	Undetermined (unable to assess whether inside or outside the disengagement area)	N/K	5-Dec, 12:50-13:44
	3-5km NNE	Heard	85	Burst	Unable to assess whether inside or outside the disengagement area	HMG	5-Dec, 12:50-13:44
	3-5km NNE	Heard	50	Burst	Unable to assess whether	Small arms	5-Dec, 12:50-13:44

					inside or outside the disengagement area		
W edge of Pervomaisk (non-government-controlled, 58km W of Luhansk)	5-7km N	Heard	33	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 13:50-14:02
	5-7km N	Heard	23	Burst	Assessed as outside the disengagement area	HMG	5-Dec, 13:50-14:02
Zolote (government-controlled, 60km W of Luhansk)	3-5km E	Heard	11	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 12:55-13:00
	3-5km E	Heard	7	Burst	Assessed as outside the disengagement area	HMG	5-Dec, 13:10
	1km E	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	5-Dec, 13:25
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	1-3km SW	Recorded	2	Projectile	WNW to ESE	N/K	4-Dec, 20:03
	1-3km SW	Recorded	2	Projectile	WNW to ESE	N/K	4-Dec, 20:04
	1-3km SW	Recorded	2	Muzzle flash		N/K	4-Dec, 20:05
	1-3km SW	Recorded	2	Projectile	WNW to ESE	N/K	4-Dec, 20:05
	1-3km SSW	Recorded	2	Explosion	Undetermined	N/K	4-Dec, 20:05
	1-2km SW	Recorded	1	Muzzle flash		N/K	4-Dec, 20:10
	1-2km SW	Recorded	1	Explosion	Undetermined	N/K	4-Dec, 20:10
	1-2km SSW	Recorded	1	Projectile	NNW to SSE	N/K	4-Dec, 21:37
	1-2km SW	Recorded	3	Projectile	WNW to ESE	N/K	4-Dec, 23:45
1-2km SW	Recorded	4	Projectile	WNW to ESE	N/K	4-Dec, 23:47	

## Map of Donetsk and Luhansk regions<sup>2</sup>



<sup>2</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: forward patrol bases from which SMM staff has temporarily relocated based on recommendations of security experts from participating States as well as SMM security considerations).