

Table of ceasefire violations as of 7 November 2019⁸

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	2	Projectile	WSW to ENE	N/K	6-Nov, 21:27
	3-5km SSE	Recorded	1	Projectile	NE to SW	N/K	6-Nov, 21:27
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:27
	3-5km SE	Recorded	1	Projectile	NNW to SSE	N/K	6-Nov, 23:42
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	3-5km SE	Recorded	1	Projectile	NW to SE	N/K	7-Nov, 17:08
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	2-4km SSW	Recorded	1	Projectile	NW to SE	N/K	6-Nov, 20:33
	2-4km S	Recorded	1	Projectile	WNW to ESE	N/K	6-Nov, 20:44
	2-4km SSW	Recorded	4	Projectile	WNW to ESE	N/K	6-Nov, 20:49
	2-4km SSW	Recorded	2	Projectile	WNW to ESE	N/K	6-Nov, 21:27
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	7-Nov, 03:25
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ENE	Recorded	15	Projectile	N to S	N/K	6-Nov, 19:20
	3-5km E	Recorded	3	Projectile	In vertical flight	N/K	6-Nov, 21:22
	3-5km E	Recorded	4	Projectile	N to S	N/K	6-Nov, 21:22
	3-5km E	Recorded	2	Projectile	In vertical flight	N/K	6-Nov, 21:23
	3-5km E	Recorded	2	Projectile	N to S	N/K	6-Nov, 21:23
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:23
	3-5km ESE	Recorded	2	Projectile	S to N	N/K	6-Nov, 21:27
	3-5km E	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 21:30
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	6-Nov, 21:47
	3-5km ENE	Recorded	16	Projectile	N to S	N/K	6-Nov, 22:22
	3-5km ENE	Recorded	1	Muzzle flash		N/K	6-Nov, 22:22
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 22:36
	3-5km ENE	Recorded	2	Projectile	N to S	N/K	6-Nov, 23:22
	3-5km ESE	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 23:41
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Projectile	SW to NE	N/K	7-Nov, 00:33
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-5km NNE	Recorded	3	Projectile	NW to SE	N/K	6-Nov, 20:45
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	5-8km S	Recorded	3	Projectile	E to W	N/K	6-Nov, 20:18
	5-8km S	Recorded	1	Projectile	W to E	N/K	6-Nov, 20:18
	5-8km S	Recorded	7	Projectile	E to W	N/K	6-Nov, 20:19
	5-8km S	Recorded	4	Projectile	W to E	N/K	6-Nov, 20:21
	4-6km SSE	Recorded	6	Projectile	E to W	N/K	6-Nov, 21:23
	5-8km S	Recorded	5	Projectile	W to E	N/K	6-Nov, 21:23
	5-8km S	Recorded	7	Projectile	W to E	N/K	6-Nov, 21:51
	5-8km S	Recorded	3	Projectile	W to E	N/K	6-Nov, 22:09
5-8km S	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 22:13	

⁸ 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.

	5-8km S	Recorded	3	Projectile	W to E	N/K	6-Nov, 22:35
	5-8km S	Recorded	1	Explosion	Undetermined	N/K	6-Nov, 23:06
	5-8km S	Recorded	1	Illumination flare	In vertical flight	N/K	6-Nov, 23:13
	5-8km S	Recorded	1	Projectile	W to E	N/K	6-Nov, 23:39
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-5km N	Recorded	5	Projectile	WNW to ESE	N/K	7-Nov, 00:14
	2-5km N	Recorded	2	Projectile	WNW to ESE	N/K	7-Nov, 01:13
	2-5km N	Recorded	3	Projectile	WNW to ESE	N/K	7-Nov, 01:17
	2-5km N	Recorded	5	Projectile	WNW to ESE	N/K	7-Nov, 01:27
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-4km WSW	Recorded	26	Projectile	SE to NW	N/K	6-Nov, 23:10
Debaltseve (non-government-controlled, 58km NE of Donetsk)	5-7km NW	Heard	7	Explosion	Undetermined	N/K	6-Nov, 21:30-21:44
	5-7km NW	Heard	9	Explosion	Undetermined	N/K	6-Nov, 21:52-21:56
	5-7km NW	Heard	7	Explosion	Undetermined	N/K	6-Nov, 21:59-22:03
	4-6km NW	Heard	2	Explosion	Undetermined	N/K	6-Nov, 22:16
	4-6km NW	Heard	6	Explosion	Undetermined	N/K	6-Nov, 22:48-22:59
W edge of Petrivske (non-government-controlled, 41km S of Donetsk)	1km SSW	Heard	2	Shot		Small arms	7-Nov, 08:27
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km SW	Heard	8	Burst		HMG	7-Nov, 09:05
	2-3km SW	Heard	12	Shot		HMG	7-Nov, 09:57-10:00
	1-2km SW	Heard	21	Shot		HMG	7-Nov, 10:12-10:15
	1-2km SW	Heard	12	Shot		HMG	7-Nov, 10:20-10:22
	2-3km SW	Heard	13	Shot		Small arms	7-Nov, 10:42
	3-4km SW	Heard	4	Explosion	Impact	N/K	7-Nov, 12:20
	3-4km SW	Heard	6	Explosion	Impact	N/K	7-Nov, 12:27-12:30
	1-2km SW	Heard	1	Explosion	Outgoing	N/K	7-Nov, 12:32
	5-6km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:27
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:39
	1-2km SW	Heard and saw	1	Explosion	Impact	N/K	7-Nov, 13:39
	1-2km NW	Heard	10	Burst		HMG	7-Nov, 13:39
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:45
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:53
	1-1.5km SW	Heard		Shots and bursts	Uncountable, overlapping single shots and bursts of SALW	Small arms	7-Nov, 13:58-14:03
	1-1.5km SW	Heard		Shots and bursts	Uncountable, overlapping single shots and bursts of HMG	HMG	7-Nov, 13:58-14:03
1-1.5km SW	Heard	15	Explosion	Undetermined	N/K	7-Nov, 13:58-14:03	
Krasnohorivka (government-controlled, 21km	2-4km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 10:46
	2-4km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 10:48

W of Donetsk)							
1.7km E of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km E	Heard	4	Shot		Small arms	7-Nov, 10:39
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:25
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:26
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:31
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:36
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:36
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:38
	1km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:40
	1km E	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:41
	3-4km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:42
	3-4km E	Heard	4	Explosion	Undetermined	N/K	7-Nov, 13:46
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	7-Nov, 13:46
	3-4km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:51
	4-5km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 13:55
	1km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:55
	1km E	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:56
	2-3km E	Heard	108	Explosion	Undetermined	N/K	7-Nov, 13:57-14:00
3-4km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 14:04	
3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	3-4km SSW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 11:59-12:01
	3-4km SSW	Heard	2	Burst		Assessed as automatic cannon	7-Nov, 11:59-12:01
	3-4km SSW	Heard	12	Explosion	Undetermined	N/K	7-Nov, 12:05-12:10
Zaichenko (non-government-controlled, 93km south of Donetsk)	2-3km SW	Heard		Explosion	Undetermined (uncountable)	N/K	7-Nov, 12:44-12:57
	2-3km SW	Heard		Shot	Uncountable	Small arms	7-Nov, 12:44-12:57
	2-3km SW	Heard		Burst	Uncountable	Small arms	7-Nov, 12:44-12:57
	2-3km SW	Heard		Burst	Uncountable	HMG	7-Nov, 12:44-12:57
	2-3km SW	Heard		Burst	Uncountable	AGL	7-Nov, 12:44-12:57
	2-3km SW	Heard		Shot	Uncountable	Rocket-propelled grenade (RPG)	7-Nov, 12:44-12:57
1km NE of Zaichenko (non-government-controlled, 93km south of Donetsk)	1-2km SW	Heard		Explosion	Undetermined (uncountable)	N/K	7-Nov, 12:59-13:05
	1-2km W	Heard		Explosion	Undetermined (uncountable)	N/K	7-Nov, 12:59-13:05
	1-2km SW	Heard		Shot	Uncountable	Small arms	7-Nov, 12:44-12:57
	1-2km W	Heard		Shot	Uncountable	Small arms	7-Nov, 12:44-12:57
	1-2km SW	Heard		Burst	Uncountable	HMG	7-Nov, 12:44-12:57
	1-2km W	Heard		Burst	Uncountable	HMG	7-Nov, 12:44-12:57
	3-4km SW	Heard	3	Explosion	Undetermined	N/K	7-Nov, 12:59-13:05
	2-3km SW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 13:11

About 1km W of Verkhnohyrokiivske (formerly Oktiabr, non-government-controlled, 85km S of Donetsk)	1-2km SW	Heard	8	Explosion	Undetermined	N/K	7-Nov, 13:53-13:57
Horlivka (non-government-controlled, 39km NE of Donetsk)	5-6km W	Heard	1	Explosion	Undetermined	N/K	6-Nov, 22:15
	2-3km NW	Heard	2	Burst		HMG	6-Nov, 22:27
	2-3km NW	Heard	17	Burst		HMG	6-Nov, 22:31-22:35
	2-3km NW	Heard	25	Burst		HMG	6-Nov, 22:42-22:47
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	6-Nov, 22:47
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	6-Nov, 23:02
	6-7km NW	Heard	1	Explosion	Undetermined	N/K	6-Nov, 23:05
	6km NE	Heard	5	Explosion	Undetermined	N/K	7-Nov, 12:58-13:06
	6-8km NE	Heard	4	Explosion	Undetermined	N/K	7-Nov, 13:59
	4-6km W	Heard	5	Explosion	Undetermined	N/K	7-Nov, 13:41-13:42
	6-8km SW	Heard	3	Explosion	Undetermined	N/K	7-Nov, 13:47
	6-8km SSW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 13:53
	6-8km SSW	Heard	9	Explosion	Undetermined	N/K	7-Nov, 13:56-14:01
	7-8km SSW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 14:02-14:11
	7-8km SSW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 14:15
	2-3km SSW	Heard	140	Burst		HMG	7-Nov, 14:50-15:03
	5-6km SSW	Heard	38	Explosion	Undetermined	N/K	7-Nov, 14:50-15:03
	2-3km SSW	Heard	51	Burst		HMG	7-Nov, 15:14-15:24
	7-8km SSW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 15:14-15:24
	2-3km SSW	Heard	3	Burst		HMG	7-Nov, 15:26-15:37
	4-6km SSW	Heard	8	Explosion	Undetermined	N/K	7-Nov, 15:26-15:37
	2-3km SSW	Heard	5	Burst	Undetermined	HMG	7-Nov, 15:41-15:53
	4-6km SSW	Heard	14	Explosion	Undetermined	N/K	7-Nov, 15:41-15:53
7-8km SSW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 16:06	
2-3km SSW	Heard	4	Burst		HMG	7-Nov, 16:38-16:45	
6-7km SSW	Heard	6	Explosion	Undetermined	N/K	7-Nov, 16:38-16:45	
7-8km SSW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 16:58-17:04	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SW	Heard	13	Burst		HMG	6-Nov, 19:20-19:22
	3-5km SW	Heard	12	Burst		HMG	6-Nov, 20:30-20:32
	4-6km S	Heard	1	Explosion	Undetermined	N/K	6-Nov, 22:40
	3-5km SW		1	Explosion	Undetermined	N/K	7-Nov, 11:18
	3-5km W	Heard	3	Explosion	Undetermined	N/K	7-Nov, 13:25
	3-5km SE	Heard	20	Burst		HMG	7-Nov, 14:10-14:16
	4-5km S	Heard	5	Explosion	Undetermined	N/K	7-Nov, 15:44-15:49

	4-5km S	Heard	10	Explosion	Undetermined	N/K	7-Nov, 15:52-16:03
	4-5km S	Heard	11	Explosion	Undetermined	N/K	7-Nov, 16:04-16:11
	4-5km S	Heard	5	Explosion	Undetermined	N/K	7-Nov, 16:18-16:24
	4-5km S	Heard	20	Burst		HMG	7-Nov, 17:27-17:33
E Edge of Novobakhmutivka (government-controlled, 28km NE of Donetsk)	0.9-1km S	Heard	1	Explosion	Undetermined	N/K	7-Nov, 11:07
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 08:51
	2-3km SE	Heard	1	Explosion	Undetermined	N/K	7-Nov, 09:28
	1-2km SW	Heard	1	Shot		Small arms	7-Nov, 10:42
	4-5km NW	Heard	10	Explosion	Undetermined	N/K	7-Nov, 11:28-11:36
	4-5km NW	Heard	12	Explosion	Undetermined	N/K	7-Nov, 11:52-12:00
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 12:20
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 12:26-12:28
	3-4km NW	Heard	8	Explosion	Undetermined	N/K	7-Nov, 12:46
	3-4km NW	Heard	6	Explosion	Undetermined	N/K	7-Nov, 12:59
	1-2km NW	Heard	5	Burst		HMG	7-Nov, 13:42
	3-4km NW	Heard	4	Explosion	Undetermined	N/K	7-Nov, 13:42
	3-4km S	Heard	3	Explosion	Undetermined	N/K	7-Nov, 13:56
Verkhnotoretske (government-controlled, 23km NE of Donetsk)	1-1.5km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 11:51
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:19
	2-3km SW	Heard	3	Explosion	Undetermined	N/K	7-Nov, 12:23
	2-3km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:44
	4-5km SW	Heard	7	Explosion	Undetermined	N/K	7-Nov, 12:57
About 1km SSE of Nelipivka (government-controlled, 50km N of Donetsk)	6-8km SW	Heard	5	Explosion		N/K	7-Nov, 11:52
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:30
	5-7km SW	Heard	1	Explosion	Undetermined	N/K	7-Nov, 12:42
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	7-Nov, 12:45
	5-7km SW	Heard	3	Explosion	Undetermined	N/K	7-Nov, 12:58
About 1km SW of Mykolaivka Druha (government-controlled, 55km N of Donetsk)	3-4km W	Heard	3	Burst		HMG	7-Nov, 11:58
	3-4km W	Heard	5	Shot		Small arms	7-Nov, 11:58
Troitske (government-controlled, 30km N of Donetsk)	6-7km W	Heard	14	Explosion	Undetermined	N/K	7-Nov, 13:40-13:44
SW edge of Trokhizbenka (government-controlled, 32km NW of Luhansk)	5-10km WSW	Heard	5	Explosion	Undetermined	N/K	7-Nov, 11:45-11:50
Trokhizbenka (government-controlled, 32km NW of Luhansk)	4-9km WSW	Heard	5	Explosion	Undetermined	N/K	7-Nov, 12:00-12:05