

**Table of ceasefire violations as of 29 November 2019<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.8-1km SSW	Recorded	2	Muzzle flash		N/K	28-Nov, 19:39
	0.6-1km S	Recorded	1	Projectile	SW to NE	N/K	28-Nov, 19:39
	1-3km S	Recorded	3	Explosion	Undetermined	N/K	28-Nov, 20:02
	500-800m SSW	Recorded	3	Projectile	NW to SE	N/K	28-Nov, 20:02
	500-800m SSW	Recorded	3	Muzzle flash		N/K	28-Nov, 20:02
	1-3km SSW	Recorded	2	Projectile	NW to SE	N/K	28-Nov, 20:32
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	28-Nov, 21:36
	0.8-1km SSW	Recorded	1	Projectile	NW to SE	N/K	28-Nov, 21:36
	1-3km SSW	Recorded	5	Projectile	E to W	N/K	29-Nov, 00:28
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	29-Nov, 16:49
	1-2km SSW	Recorded	3	Projectile	W to E	N/K	29-Nov, 17:07
	1-2km SSW	Recorded	2	Projectile	W to E	N/K	29-Nov, 17:08
	1-2km SSW	Recorded	1	Projectile	W to E	N/K	29-Nov, 17:54
	500-800m S	Recorded	18	Projectile	NW to SE	N/K	29-Nov, 18:19
	SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km E	Recorded	20	Projectile	N to S	N/K
3-5km E		Recorded	2	Projectile	SW to NE	N/K	28-Nov, 18:21
4-6km ENE		Recorded	2	Projectile	NE to SW	N/K	29-Nov, 17:52
4-6km ESE		Recorded	3	Projectile	SSE to NNW	N/K	29-Nov, 17:53
4-6km ESE		Recorded	4	Projectile	NE to SW	N/K	29-Nov, 17:53
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:00
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:12
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:19
	3-5km ENE	Recorded	3	Projectile	N to S	N/K	29-Nov, 17:22
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:23
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:28
	3-5km ENE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:29
	3-5km E	Recorded	2	Projectile	N to S	N/K	29-Nov, 18:02
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NNE	Recorded	4	Projectile	SSE to NNW	N/K	28-Nov, 21:51
	1-3km NNE	Recorded	1	Projectile	In vertical flight	N/K	28-Nov, 21:51
	1-3km NNE	Recorded	1	Muzzle flash		N/K	28-Nov, 21:51
	1-3km NNE	Recorded	1	Projectile	S to N	N/K	28-Nov, 21:53
	1-3km NNE	Recorded	2	Projectile	SW to NE	N/K	28-Nov, 23:35
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 16:42
	1-2km NNW	Recorded	3	Projectile	W to E	N/K	29-Nov, 17:21
	1-2km NNW	Recorded	4	Projectile	W to E	N/K	29-Nov, 17:22
	4-6km N	Recorded	17	Projectile	E to W	N/K	29-Nov, 17:47
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	29-Nov, 17:51
	4-6km N	Recorded	4	Projectile	E to W	N/K	29-Nov, 18:10
	4-6km N	Recorded	5	Projectile	E to W	N/K	29-Nov, 18:22
NW edge of Vuhlehirsk (non-government-controlled, 49km NE of Donetsk)	7-10km WNW	Heard	1	Explosion	Undetermined	N/K	29-Nov, 10:13
	7-10km WNW	Heard	1	Explosion	Undetermined	N/K	29-Nov, 11:08

<sup>8</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.

About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	1.5-3km SE	Heard	32	Shot	Assessed as outside the disengagement area	Small arms	29-Nov, 09:55-10:00
3km NE of Zaichenko (non-government-controlled, 93km S of Donetsk)	2-3km SSW	Heard	5	Burst		Small arms	29-Nov, 11:23-11:27
	2-4km SSW	Heard	1	Explosion	Undetermined	N/K	29-Nov, 11:23-11:27
	2km SW	Heard	1	Burst		HMG	29-Nov, 11:30
Pikuzy (formerly Kominternove, non-government-controlled, 92km S of Donetsk)	100-200m SW	Heard	3	Shot		Small arms	29-Nov, 12:27
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SW	Heard	6	Shot		Small arms	28-Nov, 20:32
	5-6km W	Heard	3	Burst		HMG	28-Nov, 20:34
	4-6km SE	Heard	3	Burst		HMG	28-Nov, 20:35
	3-4km SE	Heard	12	Burst		Small arms	28-Nov, 20:35-20:37
	4-6km SE	Heard	5	Burst		HMG	28-Nov, 21:09
	4-6km SE	Heard	14	Burst		HMG	28-Nov, 21:10
	4-6km SE	Heard	5	Burst		HMG	28-Nov, 21:46
	4-6km S	Heard	5	Burst		HMG	28-Nov, 21:51
	4-6km SE	Heard	3	Burst		HMG	28-Nov, 22:31
	6-7km SE	Heard	2	Explosion	Undetermined	N/K	28-Nov, 22:42
	6-7km SE	Heard	1	Explosion	Undetermined	N/K	28-Nov, 22:48
	4-6km S	Heard	2	Burst		HMG	28-Nov, 22:51
	5-6km SSE	Heard	3	Explosion	Undetermined	N/K	29-Nov, 13:13
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	29-Nov, 15:12
	4-5km E	Heard	1	Explosion	Undetermined	N/K	29-Nov, 15:46
	4-5km SW	Heard	2	Burst	Undetermined	HMG	29-Nov, 16:00
Kodema (government-controlled, 57km NE of Donetsk)	3-4km S	Heard	3	Burst		HMG	29-Nov, 11:18
	3-4km S	Heard	2	Burst		HMG	29-Nov, 11:23
Zalizne (government-controlled, 42km NE of Donetsk)	2-3km E	Heard	4	Burst		HMG	29-Nov, 11:23
	3-5km SSE	Heard	2	Explosion	Undetermined	N/K	29-Nov, 12:32
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	4-5km E	Heard	1	Explosion	Undetermined	N/K	29-Nov, 11:05
	4-5km E	Heard	1	Explosion	Undetermined	N/K	29-Nov, 11:12
	2-3km S	Heard	1	Shot		Small arms	29-Nov, 12:58
Holmivskiyi (non-government-controlled, 49km NE of Donetsk)	2-3km N	Heard	3	Burst		HMG	29-Nov, 09:55
	3-4km E	Heard	1	Explosion	Undetermined	N/K	29-Nov, 11:07
Kurdiumivka (government-controlled, 54km N of Donetsk)	3-5km SSW	Heard		Shots and bursts	Uncountable	Small arms	29-Nov, 10:52-11:00
	3-5km SSW	Heard		Shots and bursts	Uncountable	Small arms	29-Nov, 11:05-11:22
Novhorodske (government-controlled, 35km N of Donetsk)	1km SW	Heard	2	Burst		Small arms	29-Nov, 10:31
Kalynove-Borshchuvate (non-government-controlled, 61km W of Luhansk)	3-4km SW	Heard	6	Explosion	Undetermined	Assessed as a probable recoilless gun (SPG-9, 73mm)	29-Nov, 10:47-10:55

Zolote-4/Rodina (government- controlled, 59km west of Luhansk)	8-10km E	Heard	18	Explosion	Undetermined	N/K	29-Nov, 12:35-12:50
	6-8km SE	Heard	28	Explosion	Undetermined	N/K	29-Nov, 12:55-13:10