

**Table of ceasefire violations as of 31 October 2019<sup>10</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	1-2km ESE	Recorded	1	Muzzle flash		N/K	30-Oct, 20:11
	1-2km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	30-Oct, 20:11
	1-2km ESE	Recorded	1	Projectile	N to S	N/K	30-Oct, 20:11
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	3	Projectile	WSW to ENE	N/K	30-Oct, 18:21
	2-4km SE	Recorded	1	Projectile	WSW to ENE	N/K	30-Oct, 18:24
	2-4km SE	Recorded	5	Projectile	WSW to ENE	N/K	30-Oct, 18:45
	2-4km SSE	Recorded	3	Projectile	WSW to ENE	N/K	30-Oct, 19:23
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km S	Recorded	1	Explosion	Airburst	N/K	30-Oct, 19:05
	1-3km S	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 19:05
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	1-3km E	Recorded	1	Projectile	S to N	N/K	30-Oct, 23:38
SMM camera in Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km NNE	Recorded	2	Projectile	WNW to ESE (also recorded by the SMM camera in Marinka)	N/K	30-Oct, 22:22
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	1-2km E	Recorded	2	Projectile	WNW to ESE	N/K	30-Oct, 18:27
	1-3km E	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 22:15
	1-3km E	Recorded	1	Projectile	WNW to ESE	N/K	31-Oct, 02:31
	1-3km ENE	Recorded	3	Projectile	WNW to ESE	N/K	31-Oct, 02:34
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	5-7km NNE	Recorded	4	Projectile	WSW to ENE	N/K	30-Oct, 22:22
SMM camera at entry-exit checkpoint in Pyshevyk (government-controlled, 84km S of Donetsk)	4-6km S	Recorded	5	Projectile	W to E	N/K	30-Oct, 20:15
	4-6km S	Recorded	3	Projectile	W to E	N/K	30-Oct, 20:16
	4-6km S	Recorded	5	Projectile	W to E	N/K	30-Oct, 20:17
	4-6km S	Recorded	1	Illumination flare	In a vertical flight	N/K	30-Oct, 20:17
	4-6km S	Recorded	4	Projectile	W to E	N/K	30-Oct, 20:18
	4-6km S	Recorded	1	Projectile	W to E	N/K	30-Oct, 20:19
	4-6km S	Recorded	8	Projectile	E to W	N/K	30-Oct, 20:26
	2-4km SSE	Recorded	17	Projectile	E to W	N/K	30-Oct, 20:28
	2-4km S	Recorded	6	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 21:40

<sup>10</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.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km S	Recorded	5	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 21:52
	2-4km S	Recorded	1	Illumination flare	In vertical flight (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 21:52
	2-4km S	Recorded	1	Explosion	Undetermined (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:00
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 23:01
	2-4km S	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 23:02
	3-5km S	Recorded	1	Explosion	Undetermined, (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:04
	3-5km S	Recorded	1	Explosion	Undetermined	N/K	30-Oct, 23:05
	3-5km S	Recorded	2	Explosion	Undetermined, (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:06
	3-5km S	Recorded	1	Explosion	Undetermined, (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:07
	3-5km S	Recorded	4	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:11
	3-5km S	Recorded	8	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:12
	3-5km S	Recorded	4	Projectile	W to E	N/K	30-Oct, 23:13
	3-5km S	Recorded	3	Projectile	In vertical flight, (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:13
	3-5km S	Recorded	2	Projectile	E to W (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:15
	3-5km S	Recorded	1	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:15
	3-5km S	Recorded	7	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:16
	3-5km S	Recorded	5	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:17
	3-5km S	Recorded	4	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:32
	3-5km S	Recorded	4	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:33

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	2-4km S	Recorded	4	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:34
	2-4km S	Recorded	2	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:48
	2-4km S	Recorded	4	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:49
	2-4km S	Recorded	1	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:50
	2-4km S	Recorded	6	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:51
	2-4km S	Recorded	3	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	30-Oct, 23:52
	2-4km S	Recorded	3	Projectile	E to W	N/K	31-Oct, 00:03
	2-4km S	Recorded	2	Projectile	W to E (also recorded by the SMM camera in Hnutove)	N/K	31-Oct, 00:28
	2-4km S	Recorded	1	Projectile	W to E	N/K	31-Oct, 00:39
	2-4km S	Recorded	1	Projectile	W to E	N/K	31-Oct, 00:46
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	31-Oct, 00:50
	2-4km SSE	Recorded	1	Projectile	E to W	N/K	31-Oct, 00:50
	2-4km SSE	Recorded	1	Explosion	Impact, subsequent to previous event	N/K	31-Oct, 00:50
	2-4km S	Recorded	1	Projectile	In vertical flight (also recorded by the SMM camera in Hnutove)	N/K	31-Oct, 02:40
	2-4km S	Recorded	1	Projectile	N to S (also recorded by the SMM camera in Hnutove)	N/K	31-Oct, 02:40
	3-5km SSE	Recorded	1	Projectile	W to E	N/K	31-Oct, 04:10
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-3km SE	Recorded	1	Projectile	NNE to SSW	N/K	31-Oct, 16:55
	1-2km SE	Recorded	1	Projectile	NE to SW	N/K	31-Oct, 17:05
	1-2km SE	Recorded	1	Projectile	NE to SW	N/K	31-Oct, 17:07
	1-2km SE	Recorded	1	Projectile	NE to SW	N/K	31-Oct, 17:08
	1-2km SE	Recorded	2	Projectile	NE to SW	N/K	31-Oct, 17:10
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	1-3km NNE	Recorded	1	Projectile	W to E	N/K	31-Oct, 18:02
	1-3km NNE	Recorded	3	Projectile	SW to NE	N/K	31-Oct, 18:03
W part of Petrovskiyi (non-government-controlled, 15km SW of Donetsk city centre)	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	31-Oct, 10:48

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	31-Oct, 11:55
About 800m ESE of Kruta Balka (non-government-controlled, 16km N of Donetsk)	2-3km NNW	Heard	3	Burst		Small arms	31-Oct, 11:02
	3-5km NNW	Heard	3	Explosion	Undetermined	N/K	31-Oct, 11:20
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km WSW	Heard	1	Explosion	Undetermined	N/K	31-Oct, 09:56
	2-4km NNW	Heard	2	Explosion	Undetermined	N/K	31-Oct, 12:58
	2-4km NNW	Heard	1	Shot		Small arms	31-Oct, 13:05
	2-4km NNW	Heard	4	Burst		Small arms	31-Oct, 13:05
	2-4km NNW	Heard	1	Burst		Small arms	31-Oct, 13:21
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km E	Heard	2	Explosion	Undetermined	N/K	31-Oct, 11:55
About 2km SE of Sakhanka (non-government-controlled, 97km S of Donetsk)	2-3km NW	Heard	Uncontrollable	Shot	Overlapping	Small arms	31-Oct, 12:30-12:36
	2-3km NW	Heard	3	Burst		Small arms	31-Oct, 12:30-12:36
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	3-4km ENE	Heard	5	Explosion	Undetermined	N/K	31-Oct, 10:51-10:52
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km WNW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 18:40
	4-5km WNW	Heard	3	Burst		HMG	30-Oct, 19:21
	2-3km W	Heard	23	Shot		Small arms	30-Oct, 20:18-20:19
	4-5km WNW	Heard	2	Explosion	Undetermined	N/K	30-Oct, 21:17
	4-5km WNW	Heard	3	Burst		HMG	30-Oct, 21:30
	4km WNW	Heard	25	Burst		HMG	30-Oct, 21:40
	4-5km W	Heard	2	Explosion	Undetermined	N/K	30-Oct, 21:40
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 20:57-21:00
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	30-Oct, 22:01-22:04
	3-5km SSE	Heard	1	Explosion	Undetermined	N/K	30-Oct, 22:50
E edge of Zalizne (government-controlled, 42km NE of Donetsk)	2-3km W	Heard	1	Shot		Small arms	31-Oct, 09:38