

Table of ceasefire violations as of 13 November 2019⁸

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Berezove (government-controlled, 31km SW of Donetsk)	3-4km SSE	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 17:09
	3-4km SSE	Recorded	1	Muzzle flash		N/K	13-Nov, 17:09
	3-4km SSE	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 17:14
	3-4km SSE	Recorded	1	Muzzle flash		N/K	13-Nov, 17:14
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	300-600m SSW	Recorded	1	Projectile	WNW to ESE	N/K	12-Nov, 23:07
	400-800m SSW	Recorded	3	Explosion	Undetermined	N/K	13-Nov, 00:18
	0.5-1.2km S	Recorded	5	Explosion	Undetermined	N/K	13-Nov, 03:49
	0.5-1.2km SSW	Recorded	3	Explosion	Undetermined	N/K	13-Nov, 03:49
	0.5-1.2km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 03:49
	1-2km S	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 03:50
	1-2km SSE	Recorded	4	Explosion	Undetermined	N/K	13-Nov, 03:51
	0.6-1.2km S	Recorded	3	Explosion	Undetermined	N/K	13-Nov, 03:51
	0.5-1.2km SSE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 03:52
	0.5-1.2km SSW	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 03:52
	0.5-1.2km S	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 03:52
	0.5-1.2km SSE	Recorded	1	Muzzle flash		N/K	13-Nov, 03:52
	0.5-1.5km S	Recorded	4	Projectile	SE to NW	N/K	13-Nov, 03:52
	0.5-1.2km S	Recorded	1	Muzzle flash		N/K	13-Nov, 04:10
	0.5-1.2km SSW	Recorded	1	Muzzle flash		N/K	13-Nov, 04:10
	1-2km SSE	Recorded	2	Muzzle flash		N/K	13-Nov, 04:10
	400-800m SSW	Recorded	4	Muzzle flash		N/K	13-Nov, 04:22
	400-800m SSW	Recorded	2	Muzzle flash		N/K	13-Nov, 04:26
	400-800m S	Recorded	3	Muzzle flash		N/K	13-Nov, 04:58
	0.6-1.2km SSE	Recorded	3	Muzzle flash		N/K	13-Nov, 04:58
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	2-4km SE	Recorded	8	Projectile	SW to NE	N/K	13-Nov, 17:22
	2-4km SE	Recorded	4	Projectile	SW to NE	N/K	13-Nov, 17:38
	3-5km ESE	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 17:47
	2-4km ESE	Recorded	5	Projectile	WSW to ENE	N/K	13-Nov, 18:02
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km ENE	Recorded	11	Projectile	N to S	N/K	13-Nov, 02:24
	2-4km ENE	Recorded	1	Illumination flare	In vertical flight	N/K	13-Nov, 03:14
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 16:40
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 16:43
	2-4km NNE	Recorded	1	Explosion	Airburst	N/K	12-Nov, 16:43
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	12-Nov, 16:45
SMM camera at Oktiabr mine	4-6km NNE	Recorded	12	Explosion	Undetermined	N/K	13-Nov, 16:19

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.

(non-government-controlled, 9km NW of Donetsk city centre)	4-6km NNE	Recorded	5	Explosion	Undetermined	N/K	13-Nov, 16:20
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:11
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:17
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:27
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:37
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:42
	2-4km N	Recorded	19	Projectile	W to E	N/K	13-Nov, 16:47
	2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 16:55
	2-4km NNE	Recorded	6	Projectile	E to W	N/K	13-Nov, 17:01
	2-4km NNE	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 17:13
	2-4km N	Recorded	3	Explosion	Undetermined	N/K	13-Nov, 17:26
	2-4km N	Recorded	6	Explosion	Undetermined	N/K	13-Nov, 17:31
	2-4km N	Recorded	6	Explosion	Undetermined	N/K	13-Nov, 17:37
	2-4km N	Recorded	1	Projectile	SW to NE	N/K	13-Nov, 17:38
	2-4km N	Recorded	10	Explosion	Undetermined	N/K	13-Nov, 17:38
	2-4km N	Recorded	7	Explosion	Undetermined	N/K	13-Nov, 17:39
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 17:40
	2-4km N	Recorded	2	Projectile	W to E	N/K	13-Nov, 17:41
	2-4km N	Recorded	4	Explosion	Undetermined	N/K	13-Nov, 17:41
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 17:42
	2-4km N	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 17:45
2-4km N	Recorded	2	Projectile	E to W	N/K	13-Nov, 17:56	
2-4km N	Recorded	2	Explosion	Undetermined	N/K	13-Nov, 18:06	
2-4km N	Recorded	1	Explosion	Undetermined	N/K	13-Nov, 18:24	
E part of Avdiivka (government-controlled, 17km N of Donetsk)	3-5km NE	Heard	2	Explosion	Undetermined	N/K	13-Nov, 10:50
	1-2km NE	Heard	1	Shot		Small arms	13-Nov, 10:53
	4-6km SE	Heard and saw	1	Explosion	Undetermined	N/K	13-Nov, 10:55
	3-5km NE	Heard	4	Explosion	Undetermined	N/K	13-Nov, 11:04
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:06
	3-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:08
	2-4km SE	Heard	10	Shot		Cannon (30mm)	13-Nov, 11:10
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:11
	3-5km SE	Heard	8	Shot		HMG	13-Nov, 11:20
	3-5km NE	Heard	5	Explosion	Undetermined	N/K	13-Nov, 11:21-11:34
	3-5km NE	Heard	3	Explosion	Undetermined	N/K	13-Nov, 11:47
	2-4km SE	Heard	2	Burst		HMG	13-Nov, 12:07
	3-5km SE	Heard	2	Explosion	Undetermined	N/K	13-Nov, 12:08
1-2km SE	Heard	3	Burst		Small arms	13-Nov, 12:10	
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	1-3km E	Heard	12	Shot		Small arms	13-Nov, 13:39
	1-3km E	Heard	5	Burst		HMG	13-Nov, 13:57
About 3km SSE of Berezove (government-controlled, 31km SW of Donetsk)	3km E	Heard	2	Burst		Cannon (30mm)	13-Nov, 12:35
About 1km NNE of the central railway station in Donetsk city	1-2km N	Heard	5	Shot		Small arms	13-Nov, 10:30

(non-government-controlled, 6km NW of Donetsk city centre)							
NW part of Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2km W	Heard	2	Burst		Small arms	13-Nov, 08:51
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	6-8km SSW	Heard	9	Explosion	Undetermined	N/K	13-Nov, 12:43-12:47
	6-8km SSW	Heard	7	Explosion	Undetermined	N/K	13-Nov, 12:59-13:00
	1-2km SW	Heard	7	Shot		Small arms	13-Nov, 13:23
	1-2km SW	Heard	20	Shot		Small arms	13-Nov, 13:28
About 2km SW of Pyshevyk (government-controlled, 84km S of Donetsk)	3-5km ESE	Heard	25	Burst		HMG	13-Nov, 10:23-10:35
	1.5-2km E	Heard	2	Explosion	Outgoing	Mortar (120mm)	13-Nov, 13:50
About 2.5km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	3-5km E	Heard	2	Explosion	Undetermined	N/K	13-Nov, 12:02
	3-5km E	Heard	2	Explosion	Undetermined	N/K	13-Nov, 12:32
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SE	Heard	15	Burst		HMG	12-Nov, 19:50-19:53
	4-5km SE	Heard	6	Explosion	Undetermined	N/K	12-Nov, 19:50-19:53
	4-5km SE	Heard	20	Burst		HMG	12-Nov, 20:00-20:02
	4-5km SE	Heard	10	Explosion	Undetermined	N/K	12-Nov, 20:00-20:02
	4-5km SSE	Heard	20	Shot		Small arms	12-Nov, 20:10-20:15
	4-5km SE	Heard	17	Burst		HMG	12-Nov, 20:10-20:15
	4-5km SE	Heard	10	Explosion	Undetermined	N/K	12-Nov, 20:10-20:15
	4-5km SE	Heard	7	Burst		HMG	12-Nov, 20:17-20:20
	4-5km SE	Heard	17	Burst		Small arms	12-Nov, 20:17-20:20
	4-5km SE	Heard	6	Explosion	Undetermined	N/K	12-Nov, 20:17-20:20
	4-5km SE	Heard	15	Burst		HMG	12-Nov, 20:25-20:30
	4-5km SE	Heard	25	Shot		Small arms	12-Nov, 20:25-20:30
	4-5km SE	Heard	20	Explosion	Undetermined	N/K	12-Nov, 20:25-20:30
	4km SE	Heard	10	Burst		HMG	12-Nov, 20:35
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	12-Nov, 20:05
	4-5km SE	Heard	15	Burst		HMG	12-Nov, 20:38
	4-5km SE	Heard	5	Explosion	Undetermined	N/K	12-Nov, 20:38
4-5km SE	Heard	10	Burst		HMG	12-Nov, 21:00	
4-5km SE	Heard	5	Explosion	Undetermined	N/K	12-Nov, 21:00	
4-5km SE	Heard	5	Burst		HMG	12-Nov, 21:20	
4-5km SE	Heard	1	Explosion	Undetermined	N/K	12-Nov, 21:20	

	4-5km SE	Heard	7	Burst		HMG	12-Nov, 21:30
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	12-Nov, 21:30
	4-5km SE	Heard	20	Burst		HMG	12-Nov, 21:35
	4-5km SSE	Heard	25	Shot		Small arms	12-Nov, 21:35
	4-5km SE	Heard	10	Explosion	Undetermined	N/K	12-Nov, 21:35
	4-5km SE	Heard	20	Burst		HMG	12-Nov, 21:40-21:45
	4-5km SE	Heard	10	Explosion	Undetermined	N/K	12-Nov, 21:40-21:45
	4-5km SE	Heard	5	Burst		HMG	12-Nov, 21:47
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 21:47
	4-5km SE	Heard	11	Burst		HMG	12-Nov, 21:48
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 21:48
	3-4km SSE	Heard	4	Shot		Small arms	12-Nov, 21:50
	3-4km SE	Heard	4	Burst		HMG	12-Nov, 21:58
	4-5km SE	Heard	3	Burst		HMG	12-Nov, 21:59
	4km SE	Heard	5	Burst		HMG	12-Nov, 22:00
	4km SE	Heard	20	Burst		HMG	12-Nov, 22:06
	4-5km SE	Heard	10	Burst		HMG	12-Nov, 22:08
	4-5km SE	Heard	4	Burst		HMG	12-Nov, 22:18
	4-5km SE	Heard	3	Burst		HMG	12-Nov, 22:23
	4-5km SE	Heard	10	Burst		HMG	12-Nov, 22:25
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	12-Nov, 22:25
	3-4km SE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 22:29
	4-5km SE	Heard	3	Burst		HMG	12-Nov, 22:30
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	12-Nov, 22:38
	4-5km SE	Heard	7	Burst		HMG	12-Nov, 22:39
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	12-Nov, 22:39
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	12-Nov, 22:40
	4-5km SE	Heard	9	Burst		HMG	12-Nov, 22:41
	4-5km SE	Heard	4	Explosion	Undetermined	N/K	12-Nov, 22:41
	3-5km SE	Heard	7	Explosion	Undetermined	N/K	12-Nov, 22:43
	4-5km SE	Heard	2	Explosion	Undetermined	N/K	12-Nov, 22:52
	4-5km SE	Heard	3	Burst		HMG	12-Nov, 22:53
	4-5km SE	Heard	3	Explosion	Undetermined	N/K	12-Nov, 22:53
	4-5km SE	Heard	15	Explosion	Undetermined	N/K	13-Nov, 12:40-12:55
	4-5km SE	Heard	30	Burst		HMG	13-Nov, 12:40-12:55
	4-5km ESE	Heard	18	Explosion	Outgoing	N/K	13-Nov, 15:22-15:34
	6-8km WSW	Heard	18	Explosion	Impact	N/K	13-Nov, 15:22-15:34
	4-5km SE	Heard	30	Explosion	Undetermined	N/K	13-Nov, 15:35-15:50
	4-5km SSE	Heard	15	Explosion	Undetermined	N/K	13-Nov, 16:00-16:11
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-5km E	Heard	3	Explosion	Undetermined	N/K	13-Nov, 10:18
	1-2km E	Heard	2	Shot		Small arms	13-Nov, 10:25
	4-6km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 10:30
	2-4km E	Heard	1	Explosion	Undetermined	N/K	13-Nov, 10:38
	1-2km SE	Heard	1	Shot		Small arms	13-Nov, 10:52
	2-4km E	Heard	1	Explosion	Undetermined	N/K	13-Nov, 10:53
	1-2km E	Heard	2	Shot		Small arms	13-Nov, 10:58

	1-2km E	Heard	2	Burst		Small arms	13-Nov, 11:05
	2-4km E	Heard	2	Explosion	Undetermined	N/K	13-Nov, 11:20
	3-5km NE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:20
	2-4km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:34
	5-7km N	Heard	5	Explosion	Undetermined	N/K	13-Nov, 13:01
SE edge of Zalizne (government-controlled, 42km NE of Donetsk)	4-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 10:53
	4-5km SE	Heard	1	Explosion	Undetermined	N/K	13-Nov, 11:21
About 2 km SE of Kurdiumivka (government-controlled, 54km NE of Donetsk)	5-7km SE	Heard	8	Explosion	Undetermined	N/K	13-Nov, 10:51-10:52
Krasnohorivka (government-controlled, 24km N of Donetsk)	3-5km SE	Heard	4	Explosion	Undetermined	N/K	13-Nov, 12:06
N edge of Popasna (government-controlled, 69km W of Luhansk)	8-10km NE	Heard	6	Explosion	Undetermined	N/K	12-Nov, 22:57-23:10
	5-8km ENE	Heard	42	Explosion	Undetermined (assessed as outside the Zolote disengagement area)	N/K	13-Nov, 16:04-16:20
E edge of Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	5-10km SW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	13-Nov, 00:21-00:22
	5-10km SW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	13-Nov, 02:53-02:54
1km SW of Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km SW	Heard	1	Burst		N/K	13-Nov, 10:50
	4-6km SW	Heard	8	Shot		N/K	13-Nov, 10:50
N edge of Kalynove-Borshchuvate (non-government-controlled, 61km NW of Luhansk)	3-5km SW	Heard	1	Explosion	Undetermined	N/K	13-Nov, 13:26
SW edge of Zolote-5/Mykhailivka (non-government-controlled, 58km W of Luhansk)	0.7-2km N	Heard	7	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	13-Nov, 14:07-14:18
	1-2km N	Heard	10	Shot	Assessed as outside the disengagement area	Small arms	13-Nov, 14:07-14:18