

Table of ceasefire violations as of 19 November 2021⁸

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	4	Projectile	SW to NE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	18-Nov, 20:31
	2-4km ESE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	18-Nov, 20:55
	2-4km ESE	Recorded	21	Projectile	NNE to SSW (assessed as inside the disengagement area near Petrivske)	N/K	18-Nov, 21:04
	2-3km ESE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	18-Nov, 21:19
	2-4km SE	Recorded	1	Explosion	Undetermined (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	18-Nov, 21:21
	4-6km SE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	18-Nov, 21:21
	4-6km SE	Recorded	2	Projectile	SSW to NNE (assessed as outside the disengagement area near Petrivske)	N/K	18-Nov, 21:21
	3-5km SE	Recorded	1	Projectile	SSW to NNE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	18-Nov, 23:52
	3-5km SE	Recorded	1	Projectile	SSW to NNE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	19-Nov, 00:09
	3-5km SE	Recorded	1	Projectile	SSW to NNE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	19-Nov, 00:23
	3-5km ESE	Recorded	1	Projectile	SSW to NNE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	19-Nov, 00:23
	3-5km SE	Recorded	2	Projectile	WSW to ENE (unable to assess if inside or outside the disengagement area near Petrivske)		19-Nov, 18:50
	SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	7	Projectile	NNE to SSW	N/K
1-3km W		Recorded	10	Projectile	NNE to SSW	N/K	18-Nov, 21:07
1-3km W		Recorded	10	Projectile	NNE to SSW	N/K	18-Nov, 21:09
1-3km W		Recorded	2	Projectile	NNE to SSW	N/K	18-Nov, 21:11
1-3km W		Recorded	8	Projectile	NNE to SSW	N/K	18-Nov, 21:12
1-3km W		Recorded	1	Muzzle flash		N/K	19-Nov, 00:33
1-3km W		Recorded	1	Projectile	NE to SW	N/K	19-Nov, 00:33
1-3km W		Recorded	1	Projectile	NNE to SSW	N/K	19-Nov, 00:44
1-3km W		Recorded	1	Projectile	ENE to WSW	N/K	19-Nov, 00:44
1-3km W		Recorded	1	Projectile	N to S	N/K	19-Nov, 00:51
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	2-4km N	Recorded	1	Muzzle flash		N/K	18-Nov, 18:46
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 19:58
	4-6km N	Recorded	2	Projectile	E to W	N/K	18-Nov, 20:19
	5-7km N	Recorded	5	Muzzle flash		N/K	18-Nov, 20:19
	4-6km N	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 20:24
	4-6km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 20:29
	4-6km N	Recorded	6	Projectile	E to W	N/K	18-Nov, 20:37
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 20:37
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	18-Nov, 20:37
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 20:37
4-6km N	Recorded	2	Projectile	E to W	N/K	18-Nov, 20:38	

⁸ The table only includes ceasefire violations directly observed by SMM patrols or recorded by the SMM cameras, 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 technical monitoring officers, 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 technical limitations and/or other considerations. Ceasefire violations recorded by more than one patrol/camera and assessed to be the same are entered only once.

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	4-6km N	Recorded	1	Projectile	E to W	N/K	18-Nov, 20:39
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 20:55
	4-6km N	Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	18-Nov, 20:55
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	18-Nov, 20:55
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	18-Nov, 21:08
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	18-Nov, 21:11
	4-6km N	Recorded	1	Explosion	Airburst	N/K	18-Nov, 21:18
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:21
	4-6km N	Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	18-Nov, 21:21
	4-6km N	Recorded	7	Projectile	In vertical flight	N/K	18-Nov, 21:21
	4-6km N	Recorded	8	Projectile	E to W	N/K	18-Nov, 21:25
	4-6km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 21:26
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:49
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	18-Nov, 21:49
	4-6km N	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	18-Nov, 21:49
	4-6km N	Recorded	6	Projectile	E to W	N/K	18-Nov, 21:53
	4-6km N	Recorded	8	Projectile	E to W	N/K	18-Nov, 21:58
	4-6km N	Recorded	1	Muzzle flash		N/K	18-Nov, 21:59
	4-6km N	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	18-Nov, 21:59
	4-6km N	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	18-Nov, 21:59
	4-6km N	Recorded	2	Projectile	E to W	N/K	18-Nov, 22:01
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 22:03
	4-6km N	Recorded	6	Projectile	E to W	N/K	18-Nov, 22:06
	4-6km N	Recorded	3	Projectile	W to E	N/K	18-Nov, 22:07
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	18-Nov, 22:07
	4-6km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 22:43
	4-6km NNE	Recorded	1	Projectile	ESE to WNW	N/K	18-Nov, 22:44
	4-6km NNE	Recorded	9	Projectile	ESE to WNW	N/K	18-Nov, 22:45
	4-6km NNE	Recorded	4	Projectile	SW to NE	N/K	18-Nov, 23:11
	4-6km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 23:57
	4-6km N	Recorded	1	Projectile	W to E	N/K	18-Nov, 23:58
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 00:00
	4-6km N	Recorded	1	Projectile	E to W	N/K	19-Nov, 00:08
	4-6km N	Recorded	1	Projectile	SSE to NNW	N/K	19-Nov, 00:08
	4-6km N	Recorded	3	Projectile	SE to NW	N/K	19-Nov, 00:09
	4-6km N	Recorded	4	Projectile	WSW to ENE	N/K	19-Nov, 00:24
	4-6km N	Recorded	4	Projectile	WSW to ENE	N/K	19-Nov, 00:27
	4-6km N	Recorded	2	Projectile	E to W	N/K	19-Nov, 01:29
	4-6km N	Recorded	1	Projectile	W to E	N/K	19-Nov, 01:35
	4-6km N	Recorded	10	Projectile	SW to NE	N/K	19-Nov, 01:40
	4-6km N	Recorded	10	Projectile	SW to NE	N/K	19-Nov, 01:41
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 05:20
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 05:25
	4-6km N	Recorded	1	Muzzle flash		N/K	19-Nov, 05:31
	4-6km N	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	19-Nov, 05:31
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	19-Nov, 05:31
	3-5km NNE	Recorded	1	Projectile	ESE to WNW	N/K	19-Nov, 17:29
Horlivka (non-government-controlled, 39km NE of Donetsk)	4-6km SSW	Heard	10	Burst	Undetermined	HMG	18-Nov, 19:35-19:55
	4-6km SSW	Heard	2	Burst	Undetermined	HMG	18-Nov, 20:40-20:42
	3-5km SW	Heard	18	Burst	Undetermined	HMG	18-Nov, 20:55-21:05
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	18-Nov, 22:05
	3-5km NW	Heard	12	Explosion	Undetermined	N/K	18-Nov, 23:02-23:10

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Starohnativka (government-controlled, 51km S of Donetsk)	7-8km NNW	Heard	2	Explosion	Undetermined	N/K	19-Nov, 10:00-10:05
	5-6km NE	Heard	15	Explosion	Undetermined	N/K	19-Nov, 10:00-10:05
	6-7km SSE	Heard	26	Burst		HMG	19-Nov, 10:25-10:35
About 1.5km NNW of Chermalyk (government-controlled, 77km S of Donetsk)	3-4km N	Heard	19	Burst		HMG	19-Nov, 11:05
Berezove (government-controlled, 32km SW of Donetsk)	5-7km NNW	Heard	2	Explosion	Undetermined	N/K	19-Nov, 11:19
	2-4km NNW	Heard	23	Explosion	Undetermined	N/K	19-Nov, 11:58-12:06
	2-4km NNW	Heard	6	Burst		HMG	19-Nov, 11:58-12:06
	2-4km NNW	Heard	14	Shot		Small arms	19-Nov, 11:58-12:06
Hranitne (government-controlled, 60km S of Donetsk)	2-4km SSE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 13:02
	2-4km SSE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 13:02
About 1km SW of Novoluhanske (government-controlled, 53km NE of Donetsk)	1km W	Heard	10	Shot		Small arms	19-Nov, 10:31-10:36
	1km W	Heard	4	Shot		Small arms	19-Nov, 10:46
	700m W	Heard	3	Shot		Small arms	19-Nov, 10:54
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5-6km SW	Heard	5	Explosion	Undetermined	N/K	19-Nov, 09:55
	4-6km SW	Heard	6	Explosion	Undetermined	N/K	19-Nov, 13:35
	4-6km SW	Heard	3	Explosion	Undetermined	N/K	19-Nov, 13:40
Trudivski area (non-government-controlled, 15km SW of Donetsk City centre)	3-4km S	Heard	1	Explosion	Undetermined	N/K	19-Nov, 10:58
About 1.5km WSW of Ozerianivka (non-government-controlled, 35km NE of Donetsk)	5-6km NW	Heard	2	Burst		Small arms	19-Nov, 10:22
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	19-Nov, 10:31
Oleksandrivka (non-government-controlled, 20km SW of Donetsk)	2-3km NW	Heard	4	Explosion	Undetermined	N/K	19-Nov, 11:15-11:19
	5-7km N	Heard	2	Explosion	Undetermined	N/K	19-Nov, 11:22
About 2.5km ESE of Lozove (non-government-controlled, 13km W of Donetsk)	2-3km S	Heard	2	Explosion	Undetermined	N/K	19-Nov, 11:16
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 18:21
	3-5km SSW	Recorded	1	Explosion	Airburst	N/K	19-Nov, 18:21
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km SE	Recorded	1	Projectile	SW to NE	N/K	18-Nov, 17:57
	3-5km SE	Recorded	6	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 16:44
	3-5km SE	Recorded	6	Projectile	In vertical flight (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 16:44
	3-5km SE	Recorded	8	Projectile	NW to SE (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 16:44
	3-5km SE	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 16:45
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km E	Recorded	1	Projectile	NW to SE (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 00:23
Rebrykove (non-government-controlled, 39km S of Luhansk)	10-15km NW	Heard	17	Explosion	Undetermined	Artillery (type N/K)	19-Nov, 09:25-09:27
	10-15km NW	Heard	20	Explosion	Undetermined	Artillery (type N/K)	19-Nov, 09:42-09:45
SE edge of Berezivske (non-government-controlled, 53km NW of Luhansk)	4-5km WNW	Heard	17	Burst	Assessed as outside the disengagement area near Zolote	HMG	19-Nov, 13:20
About 3km N of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	3-4km W	Heard	3	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 12:26-12:29
	4-5km WSW	Heard	1	Burst	Assessed as outside the disengagement area near Zolote	Small arms	19-Nov, 12:43
	4-5km WSW	Heard	10	Shot	Assessed as outside the disengagement area near Zolote	HMG	19-Nov, 12:43
About 2km W of Holubivka (non-government-controlled, 51km w of Luhansk)	6-8km WSW	Heard	23	Burst	Assessed as outside the disengagement area near Zolote	HMG	19-Nov, 13:42
E edge of Zolote-5/Mykhailivka (non-government-controlled, 60km W of Luhansk)	4-5km NNE	Heard	3	Shot		Small arms	19-Nov, 10:20

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Lomuvatka (non-government-controlled, 57km W of Luhansk)	8-10km S	Heard	2	Explosion	Undetermined	N/K	19-Nov, 12:03