

Table of ceasefire violations as of 23 November 2021⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	1-3km SE	Recorded	1	Projectile	SSW to NNE (assessed as inside the disengagement area near Petrivske)	N/K	22-Nov, 20:22
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	1-3km SSW	Recorded	1	Projectile	NW to SE	N/K	22-Nov, 20:08
	3-4km S	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	22-Nov, 20:08
	2-4km SSW	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:37
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km E	Recorded	11	Projectile	WSW to ENE	N/K	22-Nov, 21:58
	2-4km ESE	Recorded	1	Explosion	Undetermined	N/K	23-Nov, 17:56
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 21:08
	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 22:22
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 22:41
	5-7km W	Recorded	1	Explosion	Airburst	N/K	22-Nov, 22:41
	1-3km W	Recorded	1	Projectile	N to S	N/K	22-Nov, 22:50
	4-6km W	Recorded	2	Explosion	Undetermined	N/K	22-Nov, 23:18
	1-3km W	Recorded	1	Explosion	Airburst	N/K	22-Nov, 23:18
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:19
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	22-Nov, 23:31
	4-5km W	Recorded	8	Projectile	N to S	N/K	23-Nov, 16:33
	SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	22	Projectile	E to W	N/K
4-6km N		Recorded	1	Illumination flare	In vertical flight	N/K	22-Nov, 21:47
4-6km N		Recorded	14	Projectile	E to W	N/K	22-Nov, 21:58
4-6km N		Recorded	15	Projectile	E to W	N/K	22-Nov, 22:04
4-6km N		Recorded	1	Explosion	Undetermined	N/K	22-Nov, 22:15
5-7km N		Recorded	1	Projectile	In vertical flight	N/K	23-Nov, 17:32
5-7km N		Recorded	1	Illumination flare	In vertical flight	N/K	23-Nov, 17:32
2-5km NNE		Recorded	2	Explosion	Undetermined	N/K	23-Nov, 17:56
2-5km NNE		Recorded	2	Explosion	Undetermined	N/K	23-Nov, 17:56
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)		5-7km WSW	Recorded	2	Projectile	SSE to NNW	N/K
About 4km S of Marynivka (non-government-controlled, 78km E of Donetsk)	12-15km NW	Heard	8	Explosion	Undetermined	N/K	23-Nov, 10:11-10:28
About 2km WNW of Donetsk Railway Station (non-government-controlled, 6km NW of Donetsk city centre)	3-4km NNE	Heard	4	Explosion	Undetermined	N/K	23-Nov, 10:46-10:59
	2km NNE	Heard	8	Burst		HMG	23-Nov, 10:46-10:59
	5km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:59
	7km W	Heard	7	Burst		Small arms	23-Nov, 11:00
	10km NNW	Heard	2	Explosion	Undetermined	N/K	23-Nov, 11:38
	3-4km NE	Heard	15	Shot		Small arms	23-Nov, 12:15-12:27
About 9km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	3-4km SW	Heard	10	Explosion	Undetermined	N/K	23-Nov, 10:12-10:32
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 10:40-10:56
	3-5km SW	Heard	23	Explosion	Undetermined	N/K	23-Nov, 11:11-11:14
	3-4km SW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 11:29-11:31
About 2.5km NW of Zemlianky (non-government-controlled, 17km NE of Donetsk)	4-7km WSW	Heard	8	Explosion	Undetermined	N/K	23-Nov, 13:20
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5km W	Heard	6	Explosion	Undetermined	N/K	23-Nov, 09:42-09:44
	4-5km NW	Heard	7	Shot		Small arms	23-Nov, 12:04-12:09
	3km SW	Heard	25	Explosion		N/K	23-Nov, 12:15-12:23
	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 13:20
Railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:31
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:41
	5-6km NW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 11:14
	5-6km NW	Heard	4	Explosion	Undetermined	N/K	23-Nov, 11:50

⁹ 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
About 1km NW of Verkhnotoretske (government-controlled, 23km NE of Donetsk)	2-3km W	Heard	2	Explosion	Undetermined	N/K	23-Nov, 10:43
About 2km SE of Yurivka (government-controlled, 35km N of Donetsk)	2-4km W	Heard	14	Burst		HMG	23-Nov, 11:15-11:18
	2-4km W	Heard	6	Explosion	Undetermined	N/K	23-Nov, 11:35-11:39
	2-4km W	Heard	2	Burst		HMG	23-Nov, 11:35-11:39
About 2km WNW of Pisky (government-controlled, 11km NW of Donetsk)	2-5km S	Heard	1	Explosion	Undetermined	N/K	23-Nov, 09:44
	2-3km E	Heard	3	Burst		HMG	23-Nov, 10:49-10:51
About 600m ESE of Pivdenne (formerly Leninske, government-controlled, 40km NE of Donetsk)	5-7km W	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:30
	5-7km W	Heard	2	Explosion	Undetermined	N/K	23-Nov, 10:40
	5-7km W	Heard	7	Explosion	Undetermined	N/K	23-Nov, 10:47-10:51
	5-7km W	Heard	11	Explosion	Undetermined	N/K	23-Nov, 10:53-10:58
About 2km WSW of Zalizne (formerly Artemove, government-controlled, 42km NE of Donetsk)	5-7km SW	Heard	7	Explosion	Undetermined	N/K	23-Nov, 11:35
	5-7km SW	Heard	2	Explosion	Undetermined	N/K	23-Nov, 11:49
About 2km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:25
	4-5km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 10:50
	4-5km SW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:51-10:54
	5-6km SW	Heard	3	Explosion	Undetermined	N/K	23-Nov, 10:58-11:00
Krasnohorivka (government-controlled, 24km N of Donetsk)	6-7km SW	Heard	6	Explosion	Undetermined	N/K	23-Nov, 11:35-11:37
	6-7km SW	Heard	2	Burst		HMG	23-Nov, 11:35-11:37
Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-8km WSW	Heard	43	Explosion	Undetermined	N/K	23-Nov, 11:48-11:53
About 2.5km SSE of Lomakyne (government-controlled, 93km S of Donetsk)	4-5km E	Heard	6	Explosion	Undetermined	N/K	23-Nov, 09:39
	3-4km E	Heard	5	Burst		Small arms	23-Nov, 09:50-09:55
About 600m NE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km ESE	Heard	4	Shot		Small arms	23-Nov, 11:22-11:25
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km ESE	Recorded	1	Projectile	N to S	N/K	23-Nov, 16:17
	2-4km E	Recorded	1	Muzzle flash		N/K	23-Nov, 16:18
	3-5km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	23-Nov, 16:18
	3-5km ESE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 16:18
	3-5km E	Recorded	1	Muzzle flash		N/K	23-Nov, 16:19
	3-5km ESE	Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	23-Nov, 16:19
	3-5km ESE	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 16:19
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2-4km ESE	Recorded	22	Projectile	NNW to SSE (assessed as inside the disengagement area near Zolote)	N/K	22-Nov, 19:51
N edge of Popasna (government-controlled, 69km W of Luhansk)	5-8km SE	Heard	2	Explosion	Undetermined	N/K	23-Nov, 00:13-00:16
	5-8km SE	Heard	14	Shot		HMG	23-Nov, 00:13-00:16
	6-8km ENE	Heard	2	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:59-13:15
	6-8km SSE	Heard	10	Explosion	Undetermined	N/K	23-Nov, 12:59-13:15
Donetskiy (non-government-controlled, 49km W of Luhansk)	8-12km WSW	Heard	15	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:00-12:05
	8-12km WSW	Heard	8	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	HMG	23-Nov, 12:00-12:05
About 300m N of Holubivka (non-government-controlled, 51km W of Luhansk)	8-12km WSW	Heard	13	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:30
	8-10km W	Heard	4	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:30
	8-12km WSW	Heard	2	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:45-12:55
	6-8km SW	Heard	1	Explosion	Undetermined	N/K	23-Nov, 12:45-12:55

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
About 2km E of Popasna (government-controlled, 69km W of Luhansk)	8-10km SSW	Heard	109	Explosion	Undetermined	N/K	23-Nov, 11:41-12:05
	8-10km SSW	Heard	7	Burst	Undetermined	HMG	23-Nov, 11:41-12:05
	6-8km SE	Heard	3	Explosion	Undetermined	N/K	23-Nov, 11:41-12:05
	1-1.5km NNE	Heard	25	Shot	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 11:41-12:05
	1-1.5km NNE	Heard	30	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 11:41-12:05
About 2km SW of Molodizhne (non-government-controlled 63km NW of Luhansk)	3-4km NNE	Heard	1	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:02-12:05
E edge of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	8-10km WSW	Heard	22	Explosion	Undetermined	N/K	23-Nov, 13:04-13:34
About 700m of the northern part of Pervomaisk (non-government-controlled, 58 km W of Luhansk)	3-4km N	Heard	2	Burst	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	HMG	23-Nov, 09:38
	2-3km E	Heard	3	Shot	Assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	Small arms	23-Nov, 10:02
Pervomaisk (non-government-controlled, 58km W of Luhansk)	6-8km N	Heard	5	Explosion	Undetermined (assessed as outside of the disengagement area near Zolote, but within 5km of its periphery)	N/K	23-Nov, 12:15-12:17
	3-4km SW	Heard	6	Explosion	Undetermined	N/K	23-Nov, 12:15-12:17
SE part of Novotoshivske (government-controlled, 53km west of Luhansk)	6-8km SE	Heard	4	Explosion	Undetermined	Artillery (type N/K)	23-Nov, 12:05-12:08
	7-10km SW	Heard	2	Explosion	Undetermined (unable to assess whether inside of outside of the disengagement area near Zolote)	Artillery (type N/K)	23-Nov, 12:05-12:08
	1-2km SE	Heard	30	Burst	Undetermined	HMG	23-Nov, 12:05-12:08
N edge of Orikhove (government-controlled, 57km north-west of Luhansk)	6-8km SSW	Heard	15	Explosion	Undetermined (assessed as in inside the disengagement area near Zolote)	Artillery (type N/K)	23-Nov, 12:20-12:30
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	10-12km WNW	Heard	12	Explosion	Undetermined	N/K	23-Nov, 12:20-12:30