

**Table of ceasefire violations as of 24 November 2021<sup>8</sup>**

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km NE	Recorded	25	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 16:58
	4-6km NE	Recorded	22	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 17:17
	4-6km NE	Recorded	14	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 17:18
	4-6km NE	Recorded	98	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 17:19
	4-6km NE	Recorded	45	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 17:20
	4-6km NE	Recorded	36	Projectile	In vertical flight (also recorded by the SMM camera at Oktiabr Mine)	N/K	24-Nov, 17:21
SMM camera in Chermalyk (government-controlled, 77km S of Donetsk)	2-4km SE	Recorded	9	Projectile	SW to NE	N/K	23-Nov, 20:12
SMM camera 1.5km NE of Hnutove (government-controlled, 90km S of Donetsk)	3-5km ESE	Recorded	2	Projectile	In vertical flight	N/K	23-Nov, 20:59
	3-5km ESE	Recorded	4	Projectile	In vertical flight	N/K	23-Nov, 21:01
	3-5km ESE	Recorded	1	Projectile	In vertical flight	N/K	23-Nov, 21:02
	3-5km SE	Recorded	1	Projectile	NNW to SSE (in vertical flight)	N/K	23-Nov, 21:52
	3-5km SE	Recorded	2	Projectile	NNW to SSE	N/K	23-Nov, 21:52
	3-5km SE	Recorded	2	Projectile	N to S	N/K	23-Nov, 21:52
	3-5km SE	Recorded	2	Muzzle flash		N/K	23-Nov, 21:53
	3-5km SE	Recorded	2	Projectile	NNE to SSW (subsequent to previous event)	N/K	23-Nov, 21:53
	3-5km SE	Recorded	1	Projectile	NNW to SSE	N/K	23-Nov, 21:54
	3-5km SE	Recorded	1	Muzzle flash		N/K	23-Nov, 22:50
	3-5km SE	Recorded	1	Projectile	NNW to SSE (subsequent to previous event)	N/K	23-Nov, 22:50
	SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km W	Recorded	1	Muzzle flash		N/K
1-2km W		Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	23-Nov, 20:32
1-2km W		Recorded	1	Illumination flare	In vertical flight	N/K	23-Nov, 20:49
0.5-1km W		Recorded	1	Explosion	Undetermined	N/K	23-Nov, 21:16
0.5-1km W		Recorded	1	Explosion	Undetermined	N/K	23-Nov, 21:17
0.5-1km W		Recorded	1	Muzzle flash		N/K	23-Nov, 21:27
0.5-1km W		Recorded	1	Projectile	NNE to SSW (subsequent to previous event)	N/K	23-Nov, 21:27
0.5-1km W		Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 21:27
0.5-1km WSW		Recorded	1	Muzzle flash		N/K	23-Nov, 21:29
0.5-1km WSW		Recorded	1	Projectile	N to S (subsequent to previous event)	N/K	23-Nov, 21:29
8-10km NNE		Recorded	23	Projectile	In vertical flight (also recorded by the SMM camera at the Donetsk Filtration Station)	N/K	24-Nov, 18:43
8-10km NNE		Recorded	2	Projectile	W to E (also recorded by the SMM camera in Avdiivka)	N/K	24-Nov, 18:43

<sup>8</sup> 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
	8-10km NNE	Recorded	3	Projectile	W to E (also recorded by the SMM camera in Avdiivka)	N/K	24-Nov, 18:46
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	6	Projectile	W to E	N/K	23-Nov, 20:07
	3-5km NNE	Recorded	2	Explosion	Undetermined	N/K	23-Nov, 20:20
	3-5km N	Recorded	2	Projectile	W to E	N/K	23-Nov, 20:39
	3-5km N	Recorded	1	Projectile	W to E	N/K	23-Nov, 20:41
	3-5km N	Recorded	4	Projectile	W to E	N/K	23-Nov, 20:42
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	23-Nov, 20:52
	3-5km N	Recorded	1	Projectile	W to E	N/K	23-Nov, 20:52
	3-5km N	Recorded	3	Projectile	W to E	N/K	23-Nov, 20:53
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	23-Nov, 20:53
	3-5km N	Recorded	2	Projectile	W to E	N/K	23-Nov, 20:53
	3-5km N	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	23-Nov, 20:53
	2-4km N	Recorded	2	Projectile	W to E	N/K	23-Nov, 22:06
	2-4km N	Recorded	2	Projectile	WSW to ENE	N/K	23-Nov, 22:06
	2-4km NNE	Recorded	1	Projectile	W to E	N/K	23-Nov, 23:10
	2-4km NNE	Recorded	1	Projectile	In vertical flight	N/K	23-Nov, 23:11
	2-4km NNE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	23-Nov, 23:11
	2-4km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Nov, 01:19
	2-4km NNE	Recorded	18	Projectile	W to E	N/K	24-Nov, 01:19
	2-4km NNE	Recorded	12	Projectile	W to E	N/K	24-Nov, 01:20
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	24-Nov, 01:21
	2-4km NNE	Recorded	18	Projectile	W to E	N/K	24-Nov, 01:43
	2-4km NNE	Recorded	2	Projectile	W to E	N/K	24-Nov, 02:12
	2-4km NNE	Recorded	5	Projectile	W to E	N/K	24-Nov, 02:13
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	24-Nov, 02:15
	2-4km NNE	Recorded	3	Projectile	W to E	N/K	24-Nov, 02:17
	2-4km NNE	Recorded	4	Projectile	W to E	N/K	24-Nov, 02:18
	2-4km NNE	Recorded	4	Projectile	WSW to ENE	N/K	24-Nov, 02:18
	3-5km NNE	Recorded	24	Projectile	W to E	N/K	24-Nov, 06:06
	3-5km NNE	Recorded	28	Projectile	W to E	N/K	24-Nov, 06:08
	5-7km NNW	Recorded	17	Projectile	In vertical flight	N/K	24-Nov, 17:17
	5-7km N	Recorded	9	Projectile	In vertical flight	N/K	24-Nov, 17:17
	3-5km NNW	Recorded	1	Projectile	W to E	N/K	24-Nov, 17:18
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	24-Nov, 17:18
	4-6km N	Recorded	3	Projectile	In vertical flight	N/K	24-Nov, 17:18
	5-7km NNW	Recorded	17	Projectile	In vertical flight	N/K	24-Nov, 17:18
	5-7km NNW	Recorded	7	Projectile	In vertical flight	N/K	24-Nov, 17:19
5-7km NNE	Recorded	3	Projectile	In vertical flight	N/K	24-Nov, 17:26	
3-5km N	Recorded	1	Projectile	SW to NE	N/K	24-Nov, 17:29	
3-5km N	Recorded	1	Illumination flare	In vertical flight	N/K	24-Nov, 17:43	
3-5km NNE	Recorded	1	Muzzle flash		N/K	24-Nov, 18:06	
3-5km NNE	Recorded	1	Projectile	E to W (subsequent to previous event)	N/K	24-Nov, 18:06	
3-5km NNE	Recorded	1	Explosion	Airburst (subsequent to previous event)	N/K	24-Nov, 18:06	
3-5km NNE	Recorded	1	Projectile	SE to NW	N/K	24-Nov, 18:39	
3-5km N	Recorded	3	Explosion	Undetermined	N/K	24-Nov, 18:44	
About 2 km SSE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km W	Heard	7	Explosion	Undetermined	N/K	24-Nov, 09:15-09:17
	4-5km SSW	Heard	5	Explosion	Undetermined	N/K	24-Nov, 09:32-09:35
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	3-4km W	Heard	12	Explosion	Undetermined	N/K	24-Nov, 09:56
	3-4km W	Heard	10	Explosion	Undetermined	N/K	24-Nov, 10:38
	3-4km NW	Heard	9	Explosion	Undetermined	N/K	24-Nov, 13:09
Krasnohorivka (government-controlled, 24km N of Donetsk)	3-5km NW	Heard	7	Explosion	Undetermined	N/K	24-Nov, 11:15-11:17
About 2km S of Avdiivka (government-controlled, 17km N of Donetsk)	4-5km SSW	Heard	4	Explosion	Undetermined	N/K	24-Nov, 12:14-12:19
	2-3km SSE	Heard	7	Burst		HMG	24-Nov, 12:24
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	7	Explosion	Undetermined	N/K	24-Nov, 09:35-09:43
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 12:45
	1-2km SW	Heard	6	Explosion	Outgoing	N/K	24-Nov, 13:03

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	1-2km SW	Heard	2	Explosion	Outgoing	N/K	24-Nov, 13:06
	2-3km SW	Heard	11	Explosion	Outgoing	N/K	24-Nov, 13:10-13:25
	5-6km W	Heard	2	Explosion	Undetermined	N/K	24-Nov, 13:12
Vasylivka (non-government-controlled, 20km N of Donetsk)	5-7km W	Heard	5	Explosion	Undetermined	N/K	24-Nov, 10:40-10:42
	2-3km W	Heard	2	Explosion	Undetermined	N/K	24-Nov, 10:40-10:42
About 800m ENE of Zhabunki (non-government-controlled, 9km NW of Donetsk city centre)	5-6km NW	Heard	14	Explosion	Undetermined	N/K	24-Nov, 09:30-09:35
	5-6km NW	Heard	8	Explosion	Undetermined	N/K	24-Nov, 09:56
	5-6km NW	Heard	8	Explosion	Undetermined	N/K	24-Nov, 10:38
	5-6km NW	Heard	2	Explosion	Undetermined	N/K	24-Nov, 12:15-12:17
	5-6km NW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 12:24
About 3km WSW of Donetsk central railway station (non-government-controlled, 6km NW of Donetsk)	5-6km SSW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 13:00-13:13
	5-7km NE	Heard	7	Explosion	Undetermined	N/K	24-Nov, 13:00-13:13
	5-7km NW	Heard	2	Explosion	Undetermined	N/K	24-Nov, 13:00-13:13
	3km NE	Heard	4	Shot		Small arms	24-Nov, 13:00-13:13
	3km NE	Heard	8	Burst		HMG	24-Nov, 13:00-13:13
Zhabunki (non-government-controlled, 9km NW of Donetsk city centre)	3-4km NE	Heard	3	Explosion	Undetermined	N/K	24-Nov, 12:10-12:11
About 7km NNW of Horlivka (non-government-controlled, 39km NE of Donetsk)	4-5km SW	Heard	2	Explosion	Undetermined	N/K	24-Nov, 12:02
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	24-Nov, 12:43
	2-3km NW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 13:43
	3-4km S	Heard	1	Explosion	Undetermined	N/K	24-Nov, 14:01
	3-4km S	Heard	2	Explosion	Undetermined	N/K	24-Nov, 14:05
	3-4km NW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 14:07
	3-4km SW	Heard	1	Explosion	Undetermined	N/K	24-Nov, 14:11
	2-3km S	Heard	2	Explosion	Undetermined	N/K	24-Nov, 14:15
	2-3km S	Heard	1	Explosion	Undetermined	N/K	24-Nov, 14:27
	2-3km NW	Heard	2	Explosion	Undetermined	N/K	24-Nov, 14:31
About 2km N of Petrivske (non-government-controlled, 41km S of Donetsk)	8-10km SW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Nov, 11:10
Petrivske (non-government-controlled, 41km S of Donetsk)	5km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Nov, 11:45
	3-4km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Nov, 11:47
	5km S	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area)	N/K	24-Nov, 11:52
About 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	4-5km SE	Heard	26	Burst	Assessed as outside the disengagement area near Petrivske	HMG	24-Nov, 10:55-11:15
	4-5km SE	Heard	5	Shot	Assessed as outside the disengagement area near Petrivske	HMG	24-Nov, 10:55-11:15
	5-7km NNE	Heard	8	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	24-Nov, 11:53-12:00
About 1.5km NW of Hranitne (government-controlled, 60km S of Donetsk)	5-7km N	Heard	1	Explosion	Undetermined	N/K	24-Nov, 11:09-11:12
	5-7km N	Heard	8	Burst		HMG	24-Nov, 11:09-11:12
	3-5km N	Heard	1	Explosion	Undetermined	N/K	24-Nov, 11:52
	3-5km N	Heard	8	Burst		Small arms	24-Nov, 11:52
About 800m E of Talakivka (government-controlled, 90km S of Donetsk)	3-4km E	Heard	1	Explosion	Undetermined	N/K	24-Nov, 10:34
Pavlopil (government-controlled, 84km S of Donetsk)	2-3km NE	Heard	11	Burst		HMG	24-Nov, 12:15-12:23
	2-3km NE	Heard	15	Burst		Small arms	24-Nov, 12:15-12:23
	2-3km NE	Heard	20	Shot		Small arms	24-Nov, 12:15-12:23
	3-4km NNE	Heard	1	Explosion	Undetermined	N/K	24-Nov, 12:32
About 2.5km SE of Lebedynske (government-controlled, 99km S of Donetsk)	2-3km ESE	Heard	8	Burst		HMG	24-Nov, 12:15-12:25
	2-3km ESE	Heard	8	Burst		Small arms	24-Nov, 12:15-12:25
NW edge of Almazna (non-government-controlled, 55km west of Luhansk)	1km NW	Heard and saw	1	Explosion	Impact	N/K	24-Nov, 08:57
	1.1km NW	Heard and saw	1	Explosion	Impact	N/K	24-Nov, 09:14
	3-5km N	Heard	1	Explosion	Undetermined	N/K	24-Nov, 10:01

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SE edge of Holubivske (non-government-controlled, 51km west of Luhansk)	3-5km N	Heard	5	Shot		HMG	24-Nov, 10:07
	5-8km N	Heard	7	Burst		HMG	24-Nov, 10:07
	6-8km N	Heard	1	Explosion	Undetermined	N/K	24-Nov, 10:09
	6-8km NNE	Heard	10	Shot		HMG	24-Nov, 10:14
	3-5km NNE	Heard	8	Shot		Small arms	24-Nov, 10:16-10:17
NW edge of Almazna (non-government-controlled, 55km west of Luhansk)	1.1km NW	Heard and saw	1	Explosion	Impact	N/K	24-Nov, 10:40