

Table of ceasefire violations as of 17 November 2021⁹

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
SMM camera 2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	2	Projectile	SW to NE (unable to be assessed as inside or outside the disengagement area)	N/K	16-Nov, 21:27
	3-5km SE	Recorded	3	Projectile	SW to NE (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 21:32
	3-5km ESE	Recorded	6	Projectile	In vertical flight (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 21:34
	3-5km ESE	Recorded	4	Projectile	N to S (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 21:34
	3-5km ESE	Recorded	1	Burst	N to S (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 22:00
	3-5km SE	Recorded	18	Projectile	SW to NE (unable to assess as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 22:57
	5-7km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Petrivske)	N/K	16-Nov, 23:17
	3-5km ESE	Recorded	3	Projectile	SSW to NNE (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	16-Nov, 23:31
	3-5km ESE	Recorded	34	Projectile	N to S (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	17-Nov, 00:10
	3-5km ESE	Recorded	3	Projectile	SW to NE (unable to be assessed as inside or outside the disengagement area near Petrivske)	N/K	17-Nov, 03:30
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	0.8-1.5km E	Recorded	6	Projectile	NW to SE	N/K	16-Nov, 22:58
	0.8-1.5km E	Recorded	1	Projectile	NW to SE	N/K	16-Nov, 23:01
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	0.5-3km E	Recorded	9	Projectile	NW to SE	N/K	16-Nov, 21:29
	0.5-3km E	Recorded	21	Projectile	NW to SE	N/K	16-Nov, 21:30
SMM camera at entry-exit checkpoint in Marinka (government-controlled, 23km SW of Donetsk)	2-4km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	17-Nov, 18:39
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	3-5km W	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 17:52
	3-5km W	Recorded	1	Explosion	Undetermined	N/K	17-Nov, 17:56
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 19:31
	4-6km N	Recorded	1	Explosion	Airburst	N/K	16-Nov, 19:31
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 20:03
	4-6km N	Recorded	1	Burst	WSW to ENE	N/K	16-Nov, 20:08
	3-5km N	Recorded	1	Muzzle flash		N/K	16-Nov, 20:16
	3-5km N	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	16-Nov, 20:16
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 20:19
	3-5km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 20:19
	3-5km NNE	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 20:37
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 20:39
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 20:39
	4-6km N	Recorded	3	Explosion	Undetermined	N/K	16-Nov, 20:49
3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 20:55	

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
	3-5km N	Recorded	2	Projectile	W to E	N/K	16-Nov, 20:55
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 20:58
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 20:59
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 21:01
	3-5km NNE	Recorded	1	Projectile	WSW to ENE (subsequent to previous event)	N/K	16-Nov, 21:01
	4-6km N	Recorded	4	Explosion	Undetermined	N/K	16-Nov, 22:06
	3-5km N	Recorded	5	Projectile	ESE to WNW	N/K	16-Nov, 22:19
	3-5km N	Recorded	8	Projectile	ESE to WNW	N/K	16-Nov, 22:20
	3-5km N	Recorded	7	Projectile	ESE to WNW	N/K	16-Nov, 22:21
	3-5km N	Recorded	25	Projectile	ESE to WNW	N/K	16-Nov, 22:22
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 22:24
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:24
	3-5km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:24
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:25
	3-5km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:25
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	16-Nov, 22:26
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 22:26
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:26
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:27
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:28
	3-5km NNE	Recorded	1	Projectile	In vertical flight (subsequent to previous event)	N/K	16-Nov, 22:28
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 22:29
	3-5km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:29
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:31
	4-6km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:31
	4-6km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:31
	4-6km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:32
	4-6km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:32
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	16-Nov, 22:32
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 22:33
	4-6km NNE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:34
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:35
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:37
	4-6km N	Recorded	4	Explosion	Undetermined	N/K	16-Nov, 22:39
	3-5km NNE	Recorded	1	Muzzle flash		N/K	16-Nov, 22:41
	3-5km NNE	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:41
	3-5km NNE	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:44
	4-6km N	Recorded	4	Explosion	Undetermined	N/K	16-Nov, 22:44
	3-5km N	Recorded	1	Muzzle flash		N/K	16-Nov, 22:46
	3-5km N	Recorded	1	Projectile	ESE to WNW (subsequent to previous event)	N/K	16-Nov, 22:46
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:47
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 22:48
	3-5km NNE	Recorded	1	Projectile	In vertical flight	N/K	16-Nov, 22:50
	3-5km NNE	Recorded	1	Illumination flare	In vertical flight	N/K	16-Nov, 22:54
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 23:00
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 23:03
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 23:04
	4-6km N	Recorded	2	Explosion	Undetermined	N/K	16-Nov, 23:09
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 23:12
	4-6km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 23:13
	4-6km N	Recorded	8	Projectile	WSW to ENE	N/K	16-Nov, 23:14
	4-6km N	Recorded	2	Explosion	Impact (subsequent to previous event)	N/K	16-Nov, 23:14
	3-5km N	Recorded	2	Projectile	WSW to ENE	N/K	16-Nov, 23:17
	4-6km NNW	Recorded	1	Muzzle flash		N/K	16-Nov, 23:21
	4-6km NNW	Recorded	1	Projectile	W to E (subsequent to previous event)	N/K	16-Nov, 23:21
	4-6km N	Recorded	1	Explosion	Impact (subsequent to previous event)	N/K	16-Nov, 23:21
	4-6km N	Recorded	2	Projectile	SW to NE	N/K	16-Nov, 23:21

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	16-Nov, 23:22
	4-6km N	Recorded	12	Projectile	SW to NE	N/K	16-Nov, 23:24
	4-6km N	Recorded	1	Projectile	W to E	N/K	16-Nov, 23:27
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 23:27
	5-7km NNW	Recorded	1	Explosion	Undetermined	N/K	16-Nov, 23:30
	3-5km N	Recorded	2	Projectile	SW to NE	N/K	17-Nov, 01:33
	3-5km N	Recorded	11	Projectile	SW to NE	N/K	17-Nov, 01:34
	3-5km N	Recorded	2	Projectile	W to E	N/K	17-Nov, 16:51
About 1.5km WSW of Ozerianivka (non-government-controlled, 35km NE of Donetsk)	4-6km SSE	Heard	8	Explosion	Undetermined	N/K	17-Nov, 09:18-09:25
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	2-3km SW	Heard	20	Explosion	Outgoing	IFV (type N/K)	17-Nov, 09:55
	2-3km SW	Heard	9	Explosion	Outgoing	IFV (type N/K)	17-Nov, 09:55
	2-3km SW	Heard	9	Explosion	Undetermined	N/K	17-Nov, 09:55
	2-3km SW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:45
	4-6km SW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:55
About 800m ENE of Zhabunki (non-government-controlled, 9km NW of Donetsk)	4-5km NE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 09:56
	4-5km NE	Heard	5	Explosion	Undetermined	N/K	17-Nov, 09:57-10:02
	3-4km NE	Heard	1	Burst		Small arms	17-Nov, 10:01
	3-4km NE	Heard	1	Burst		Small arms	17-Nov, 10:06
	4-5km NE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:06
	3-4km ENE	Heard	10	Shot		Small arms	17-Nov, 10:08
About 800m S of Novohryhorivka (non-government-controlled, 61km NE of Donetsk)	4-6km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 11:03-11:05
	3-5km SW	Heard	3	Explosion	Undetermined	N/K	17-Nov, 11:03-11:05
	4-6km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 11:15
	4-6km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 11:35
About 2km WNW of Pisky (government-controlled, 12km NW of Donetsk)	1-2km ESE	Heard	4	Burst		HMG	17-Nov, 09:59-10:02
	1-2km ESE	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:06
	1-2km ESE	Heard	1	Burst		HMG	17-Nov, 10:06
About 500m NE of Kamianka (government-controlled, 20km N of Donetsk)	2-3km SSE	Heard	11	Explosion	Undetermined	N/K	17-Nov, 09:55
	2-3km SSE	Heard	1	Burst		HMG	17-Nov, 09:55
	2-3km S	Heard	5	Explosion	Undetermined	N/K	17-Nov, 10:07
SE part of Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard	4	Explosion	Undetermined	N/K	17-Nov, 10:01-10:02
	2-3km SE	Heard	5	Explosion	Undetermined	N/K	17-Nov, 10:06
About 2.5km SSW of Luhanske (government-controlled, 59km NE of Donetsk)	1.5km SE	Saw	1	Explosion	Impact	N/K	17-Nov, 11:06
About 1km E of Holmivskyi (non-government-controlled, 49km NE of Donetsk)	3-5km NNE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 13:35
About 2.5km S of Novohryhorivka (government-controlled, 55km S of Donetsk)	4-6km NNE	Heard	10	Explosion	Undetermined	N/K	17-Nov, 11:15-11:35
About 2km NE of Chernenko (government-controlled, 86km S of Donetsk)	2-4km N	Heard	14	Shot		Small arms	17-Nov, 11:50-12:00
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	3-5km SE	Recorded	4	Projectile	SW to NE (assessed as outside the disengagement area near Zolote)	N/K	16-Nov, 22:12
Almazna (non-government-controlled, 55km W of Luhansk)	10-15km S	Heard	3	Explosion	Undetermined	N/K	17-Nov, 09:10-09:25
Berezivske (non-government-controlled, 53km NW of Luhansk)	10-12km NW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 09:37
	15-18km S	Heard	1	Explosion	Undetermined	N/K	17-Nov, 09:42

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Holubivka (formerly Kirovsk, non-government-controlled, 51km W of Luhansk)	6-8km N	Heard	1	Explosion	Undetermined	N/K	17-Nov, 09:12
Kadiivka (formerly Stakhanov, non-government-controlled, 50 km W of Luhansk)	8-12km N	Heard	8	Explosion	Undetermined	N/K	17-Nov, 04:00-04:15
	14-16km WSW	Heard	14	Explosion	Undetermined	N/K	17-Nov, 13:55-14:15
	10-12km W	Heard	5	Explosion	Undetermined	N/K	17-Nov, 13:55-14:15
	14-16km N	Heard	19	Explosion	Undetermined	N/K	17-Nov, 13:55-14:15
	10-12km N	Heard	9	Explosion	Undetermined	N/K	17-Nov, 14:16-14:31
	10-12km NW	Heard	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	17-Nov, 14:16-14:31
	14-16km WSW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 14:16-14:31
	14-16km N	Heard	14	Explosion	Undetermined	N/K	17-Nov, 14:31-14:51
	14-16km WSW	Heard	3	Explosion	Undetermined	N/K	17-Nov, 15:03-15:10
	10-12km W	Heard	1	Explosion	Undetermined	N/K	17-Nov, 15:03-15:10
Lomuvatka (non-government-controlled, 57km W of Luhansk)	6-10km S	Heard	1	Explosion	Undetermined	N/K	17-Nov, 10:30
Molodizhne (non-government-controlled, 63km NW of Luhansk)	10-15km SW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 11:05
Novyi (non-government-controlled, 54km W of Luhansk)	10-15km SW	Heard	3	Explosion	Undetermined	N/K	17-Nov, 09:58-10:06
Orikhove (government-controlled, 57km NW of Luhansk)	7-10km ESE	Heard	22	Explosion	Undetermined	N/K	17-Nov, 13:30-13:55
	7-10km SSW	Heard	21	Explosion	Undetermined (unable to be assessed as inside or outside the disengagement area near Zolote)	N/K	17-Nov, 13:30-13:55
Pervomaisk (non-government-controlled, 58 km W of Luhansk)	10-12km E	Heard	2	Explosion	Undetermined	N/K	17-Nov, 09:08-09:26
	18-20km SSW	Heard	5	Explosion	Undetermined	N/K	17-Nov, 10:08-10:23
	4-5km SSW	Heard	9	Shot	Undetermined	Small arms	17-Nov, 10:08-10:23
	4-6km NE	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	17-Nov, 10:08-10:23
	3-4km NNE	Heard	3	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	17-Nov, 10:08-10:23
	8-10km SW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 13:08
	4-5km ESE	Heard	6	Explosion	Impact (assessed as outside the disengagement area near Zolote)	N/K	17-Nov, 13:36-13:40
	12-15km SSW	Heard	1	Explosion	Undetermined	N/K	17-Nov, 13:36-13:40
	10-12km NE	Heard	2	Explosion	Undetermined	N/K	17-Nov, 13:36-13:40
Popasna (government-controlled, 69km W of Luhansk)	5-7km NNE	Heard	10	Explosion	Outgoing	Artillery (122mm)	17-Nov, 07:00-07:10
	8-10km SE	Heard	5	Explosion	Impact	Artillery (122mm)	17-Nov, 07:00-07:10
	0.7-1km E	Heard and saw	3	Explosion	Impact	N/K	17-Nov, 13:45-14:10
	9-10km E	Heard	24	Explosion	Undetermined	N/K	17-Nov, 14:10-14:15
	2-3km ESE	Heard	15	Burst	Undetermined	HMG	17-Nov, 14:10-14:15
	5-7km S	Heard	2	Explosion	Undetermined	N/K	17-Nov, 14:10-14:15
	2-4km ESE	Heard	3	Explosion	Undetermined	N/K	17-Nov, 15:03-15:05
	8-10km NNW	Heard	6	Explosion	Undetermined	N/K	17-Nov, 10:23-10:25

SMM position	Event location	Means	No.	Observation	Description	Weapon	Date, time
Sentianivka (formerly Frunze, non-government-controlled, 44km W of Luhansk)	3-5km NNW	Heard	2	Explosion	Undetermined	N/K	17-Nov, 10:38-10:42
	3-5km NNW	Heard	22	Burst	Undetermined	HMG	17-Nov, 10:38-10:42
	3-5km N	Heard	1	Burst	Undetermined	HMG	17-Nov, 10:52
Verhulivka (non-government-controlled, 61km W of Luhansk)	6-10km SW	Heard	2	Explosion	Undetermined	N/K	17-Nov, 11:16