

**Table of ceasefire violations as of 21 November 2021<sup>8</sup>**

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	6	Projectile	SW to NE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:48
	3-5km SE	Recorded	7	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:49
	3-5km SE	Recorded	1	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 16:51
	3-5km SE	Recorded	9	Projectile	WSW to ENE (assessed as outside the disengagement area near Petrivske)	N/K	20-Nov, 17:49
SMM camera in Hranitne (government-controlled, 60km S of Donetsk)	2-4km E	Recorded	1	Projectile	NW to SE	N/K	20-Nov, 02:44
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	2-4km W	Recorded	1	Projectile	NNE to SSW	N/K	19-Nov, 20:46
	1-2km WNW	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 21:56
	4-6km W	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:08
	4-6km WSW	Recorded	1	Explosion	Airburst	N/K	19-Nov, 23:08
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 00:27
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 20:06
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	19-Nov, 23:38
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:40
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	19-Nov, 23:41
	4-6km N	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 03:45
	3-5km NNE	Recorded	8	Projectile	W to E	N/K	20-Nov, 05:43
	3-5km NNE	Recorded	3	Burst	W to E	N/K	20-Nov, 05:43
	3-5km N	Recorded	3	Projectile	E to W	N/K	20-Nov, 16:45
	4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 17:19
	4-6km N	Recorded	1	Projectile	E to W	N/K	20-Nov, 18:51
4-6km N	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 18:51	
SMM camera in Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-6km WSW	Recorded	6	Projectile	N to S	N/K	20-Nov, 00:14
Horlivka (non-government-controlled, 39km NE of Donetsk)	3-5km NW	Heard	5	Explosion	Undetermined	N/K	19-Nov, 19:50-19:55
	3-5km NW	Heard	3	Explosion	Undetermined	N/K	19-Nov, 20:50-20:52
	3-5km NW	Heard	6	Explosion	Undetermined	N/K	19-Nov, 22:47-22:49
	3-5km NW	Heard	5	Burst	Undetermined	N/K	19-Nov, 23:23
	3-5km NW	Heard	7	Explosion	Undetermined	N/K	19-Nov, 23:28-23:31
	3-5km NW	Heard	5	Explosion	Undetermined	N/K	20-Nov, 16:13-16:18
	3-5km NW	Heard	6	Burst	Undetermined	N/K	20-Nov, 16:19-16:20
	3-5km W	Heard	1	Explosion	Undetermined	N/K	20-Nov, 17:04
	3-5km W	Heard	2	Explosion	Undetermined	N/K	20-Nov, 17:24
About 9km NW of Horlivka (non-government-controlled, 39km NE of Donetsk)	1km SSW	Heard	1	Shot		Small arms	20-Nov, 10:36
About 2km WNW of Donetsk railway station (non-government-controlled, 6km NW of Donetsk city centre)	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:08
	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:09
	2-3km N	Heard	1	Explosion	Outgoing	Mortar (type N/K)	20-Nov, 12:11
SMM camera on N edge of Popasna (government-controlled, 69km W of Luhansk)	4-6km ESE	Recorded	1	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	19-Nov, 21:39

<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
Kadiivka (formerly Stakhanov, non-government-controlled, 50km W of Luhansk)	6-8km NNW	Heard	14	Explosion	Undetermined (assessed as outside the disengagement area near Zolote )	N/K	19-Nov, 19:45-20:17
	8-12km NNW	Heard	6	Explosion	Undetermined (assessed as outside the disengagement area near Zolote )	N/K	19-Nov, 20:17-20:48
N edge of Popasna (government-controlled, 69km W of Luhansk).	5-8km S	Heard	4	Explosion	Undetermined	N/K	19-Nov, 22:26-22:28
	5-8km S	Heard	4	Explosion	Undetermined	N/K	19-Nov, 23:29-23:32
	5-10km SE	Heard	1	Explosion	Undetermined	N/K	19-Nov, 23:31
Holubivka ( Formerly Kisrovsk, non-govemmnet - controlled, 51kmm W of Luhansk)	4-6km NW	Heard	2	Burst		Small arms	20-Nov, 09:35
Molodizhne (non-government-controlled 63km NW of Luhansk)	200-400m WNW	Heard	4	Burst	Outgoing (assessed as outside the disengagement area near Zolote )	Small arms	20-Nov, 13:09
SMM camera 2km E of Bohdaniivka (government-controlled, 41km SW of Donetsk)	3-5km SE	Recorded	1	Projectile	WSW to ENE (unable to assess if inside or outside the disengagement area near Petrivske)	N/K	20-Nov, 19:55
SMM camera at Oktiabr mine (non-government-controlled, 9km NW of Donetsk city centre)	1-2km W	Recorded	1	Muzzle flash		N/K	20-Nov, 22:36
	1-2km W	Recorded	1	Projectile	SE to NW (subsequent to previous event)	N/K	20-Nov, 22:36
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 22:37
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 22:52
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 23:02
	1-2km W	Recorded	1	Muzzle flash		N/K	20-Nov, 23:13
	1-2km W	Recorded	1	Projectile	NW to SE (subsequent to previous event)	N/K	20-Nov, 23:13
	1-2km W	Recorded	1	Explosion	Undetermined	N/K	20-Nov, 23:30
	1-3km WSW	Recorded	1	Explosion	Airburst	N/K	20-Nov, 23:30
	3-5km NE	Recorded	13	Projectile	NW to SE	N/K	20-Nov, 21:05
	3-5km NE	Recorded	3	Projectile	WNW to ESE	N/K	20-Nov, 21:06
SMM camera 1km SW of Shyrokyne (government-controlled, 100km S of Donetsk)	3-5km N	Recorded	8	Projectile	W to E	N/K	20-Nov, 20:10
	3-5km N	Recorded	17	Projectile	W to E	N/K	20-Nov, 20:11
	3-5km N	Recorded	9	Projectile	W to E	N/K	20-Nov, 20:12
	3-5km NNE	Recorded	4	Projectile	W to E	N/K	20-Nov, 21:05
	3-5km N	Recorded	7	Projectile	E to W	N/K	20-Nov, 21:08
	3-5km N	Recorded	2	Projectile	E to W	N/K	20-Nov, 21:52
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Nov, 21:54
	3-5km N	Recorded	25	Projectile	W to E	N/K	20-Nov, 23:12
	3-5km N	Recorded	2	Explosion	Undetermined	N/K	20-Nov, 23:20
	3-5km NNE	Recorded	3	Projectile	W to E	N/K	20-Nov, 23:59
	3-5km NNE	Recorded	2	Projectile	SW to NE	N/K	20-Nov, 23:59
	3-5km N	Recorded	2	Projectile	W to E	N/K	21-Nov, 02:21
	3-5km NNE	Recorded	2	Projectile	ESE to WNW	N/K	21-Nov, 16:50
	3-5km N	Recorded	1	Projectile	SW to NE	N/K	21-Nov, 16:54
	3-5km N	Recorded	1	Projectile	WSW to ENE	N/K	21-Nov, 16:54
	6-8km N	Recorded	1	Illumination flare	In vertical flight	N/K	21-Nov, 17:53
	About 3-5km SW of Donetsk city centre (non-government-controlled)	8-9km N	Heard	5	Explosion	Undetermined	N/K
About 1km NW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	4-5km SW	Heard	1	Explosion	Undetermined	N/K	21-Nov, 09:48
About 1km NE of Kashtanove (non-government-controlled, 13km N of Donetsk)	2-3km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 10:58
About 700m WSW of the railway station in Yasynuvata (non-government-controlled, 16km NE of Donetsk)	1-2km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 11:50
Staromykhailivka (non-government-controlled, 15km W of Donetsk)	3-5km WNW	Heard	2	Explosion	Undetermined	N/K	21-Nov, 11:40-11:42
SMM camera in Kriakivka (government-controlled, 38km NW of Luhansk)	3-5km SSW	Recorded	1	Illumination flare	In vertical flight	N/K	20-Nov, 19:20
2km ENE Vesela Hora (non-government-controlled, 16km north of Luhansk)	10-12km W	Heard	1	Explosion	Undetermined	N/K	21-Nov, 11:21

<b>SMM position</b>	<b>Event location</b>	<b>Means</b>	<b>No.</b>	<b>Observation</b>	<b>Description</b>	<b>Weapon</b>	<b>Date, time</b>
Pervomaisk (non-government-controlled, 58km W of Luhansk)	4-6km W	Heard	4	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Nov, 11:44-11:54
1km NNE Kalynove-Borshchuvate (non-government-controlled, 61km west of Luhansk)	2-4km WNW	Heard	2	Explosion	Undetermined (assessed as outside the disengagement area near Zolote)	N/K	21-Nov, 12:35-12:45
	2-4km WNW	Heard	20	Burst	Assessed as outside the disengagement area near Zolote	HMG	21-Nov, 12:35-12:45