

Table of ceasefire violations as of 22 November 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5 km ESE	Recorded 4-6 tracers in flight from E to W	N/K	21 November, 19:20-19:22
		Recorded 4 tracers in flight from W to E		21 November, 19:55-19:57
		Recorded 3 tracers in flight from E to W		21 November, 20:04
		Recorded 1 undetermined projectile in flight from E to W		21 November, 21:06
		Recorded 1 undetermined explosion		21 November, 21:13
		Recorded 4-6 tracers in flight from NE to SW		21 November, 21:24
		Recorded 1 undetermined explosion		21 November, 21:25
		Recorded 17 undetermined explosions		21 November, 21:52-22:09
		Recorded 5 undetermined explosions		21 November, 23:15-23:25
		Recorded 20 tracers of direct fire W to E		21 November, 23:35
		Recorded 4 undetermined explosions		21 November, 23:37-23:50
		Recorded 6 undetermined explosions		22 November, 00:03-00:29
		Recorded 1 undetermined explosion		22 November, 00:41
		Recorded 1 undetermined explosion		22 November, 00:55
		Recorded 3 undetermined explosions		22 November, 01:06
		Recorded 2 undetermined explosions		22 November, 01:14
		Recorded 2 undetermined explosions		22 November, 01:25
		Recorded 5 undetermined explosions		22 November, 01:39-01:51
		Recorded 3 undetermined explosions		22 November, 02:04
		Recorded 3 undetermined explosions		22 November, 02:16-02:20
		Recorded 3 undetermined explosions		22 November, 02:33-02:35
		Recorded 5 undetermined explosions		22 November, 02:47-02:59
Recorded 2 tracers in flight from E to W	22 November, 03:20			
Recorded 4 tracers in flight from W to E	22 November, 03:41			
Recorded 1 undetermined explosion	22 November, 07:07			
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NE	Recorded 1 indirect rocket-assisted projectile in flight from SW to NE	N/K	21 November, 18:26

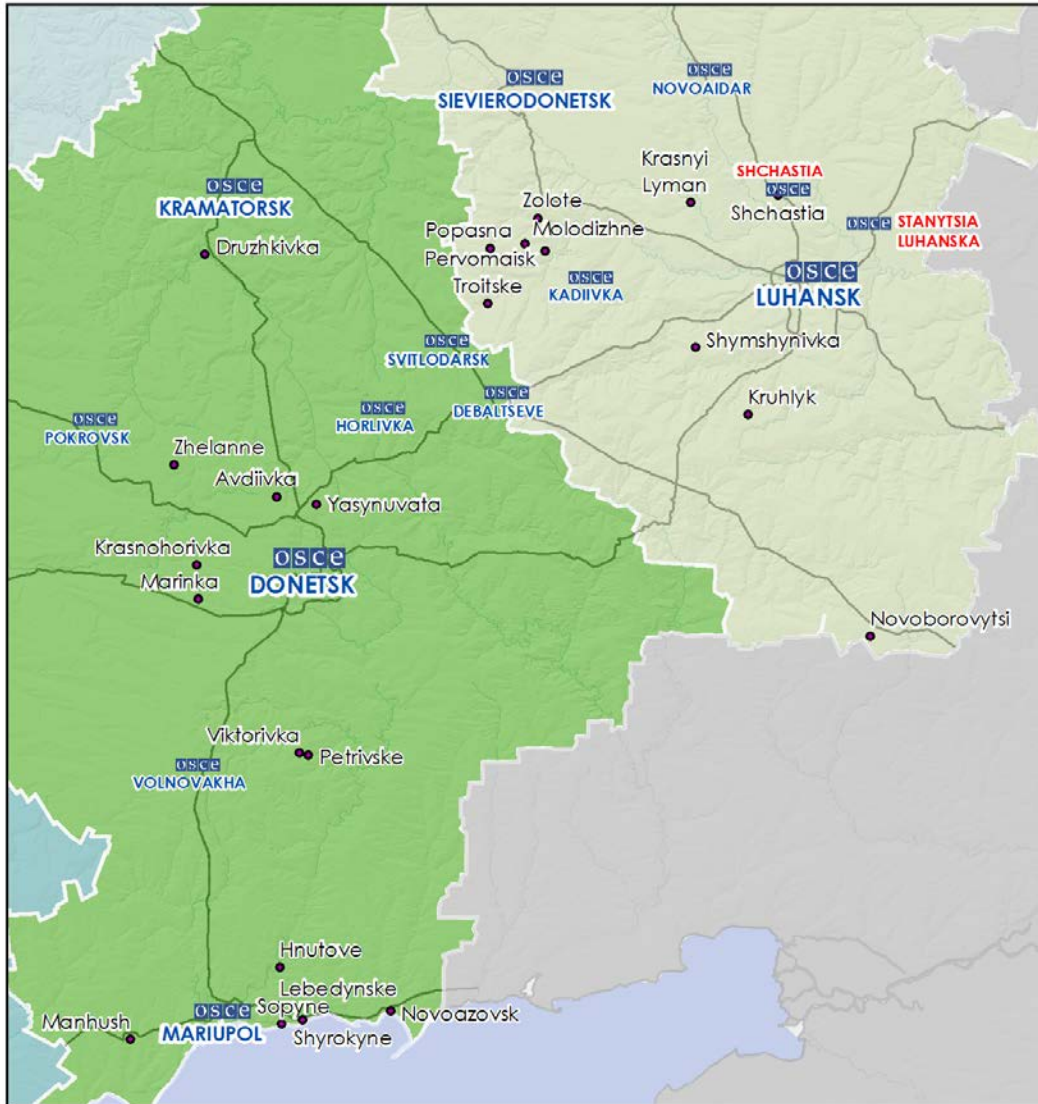
¹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided—in terms of distance, direction, weapons-type, etc.—are based on assessments provided by monitors on the ground, and 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 and/or other considerations. Ceasefire violations recorded by more than one patrol and assessed to be the same are entered only once.

	N/K NNE	Recorded 15 bursts of tracers in flight from ESE to WNW	AAG (ZU-23-2, 23mm)	21 November, 18:57-19:06		
		Recorded 10 bursts of tracer in flight from ESE to WNW		21 November, 19:19-19:29		
		Recorded 8 bursts of tracer in flight from ESE to WNW		21 November, 19:37-19:38		
		Recorded 1 undetermined explosion	N/K	21 November, 23:29		
Svitlodarsk (government-controlled, 57km NE of Donetsk)	1.5-3 km SSE	Heard 143 bursts	HMG	21 November, 18:30-23:30		
		Heard 199 bursts	AGL			
		Heard 66 bursts	Cannon (ZU-23-2, 23mm or 30mm)			
		Heard 34 explosions (outgoing)	Recoilless gun (SPG-9, 73mm) or IFV (BMP-1) cannon 73mm)			
	6km NW	Heard 5 explosions (outgoing)	Artillery (122mm)	21 November, 21:05-21:32		
	4km SE	Heard 3 explosions (impacts)	Artillery (122mm)	22 November, 15:10		
	1.5-2.5km SE	Heard 30 bursts	HMG	22 November, 16:30-18:00		
	3km SE	Heard 20 explosions (impacts)	Mortar (120mm)			
2km SE		Heard 6 explosions (outgoing)	Recoilless gun (SPG-9, 73mm) or IFV (BMP-1) cannon 73mm)			
	Heard 17 shots	IFV (BMP-2) cannon (30mm)				
SMM camera at Oktiabr mine ("DPR"-controlled, 9km NW of Donetsk city centre)	7-8km NE	Recorded 1 undetermined explosion	N/K	22 November, 07:06		
		Recorded 2 undetermined explosions		22 November, 07:09		
		Recorded 1 undetermined explosion		22 November, 07:11		
	6-8km NE	Recorded 1 undetermined projectile in flight from N to S		22 November, 16:14		
		Recorded 2 undetermined projectiles in flight from S to N		22 November, 16:49		
		Recorded 1 undetermined projectile flight from S to N		22 November, 17:05		
	4-5km NE	Recorded 1 undetermined projectile in flight from N to S		22 November, 17:08		
	6-8km NE	Recorded 1 illumination flare		22 November, 17:21		
		Recorded 1 undetermined projectile in flight from E to W		22 November, 17:41		
		Recorded 1 undetermined explosion		22 November, 17:42		
		Recorded 1 undetermined explosion		22 November, 17:43		
	4-6km NE	Recorded 1 illumination flare		22 November, 18:06		
		Recorded 1 undetermined projectile in flight from N to S		22 November, 18:08		
	Park Inn Hotel ("DPR"-controlled, Donetsk city centre)	8-10km NW		Heard at least 15 undetermined explosions	N/K	22 November, 08:30-09:00
	Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	8-10km NNW		Heard 1 undetermined explosion		22 November, 10:04
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	4-7km WSW	Heard 1 undetermined explosions	22 November, 09:50			
	3-4km W	Heard 1 undetermined explosions	22 November, 10:00			
	3-4km SW	Heard 1 undetermined explosions	22 November, 10:55			
Avdiivka (government-	3km SE	Heard 1 explosion (outgoing)	Recoilless gun (SPG-	22 November, 10:02		

controlled, 17km N of Donetsk)			9)	
		Heard 1 explosion (impact)	Mortar (120mm)	
		Heard 3 bursts	HMG	22 November, 10:12
	3-4km SE	Heard 1 undetermined explosion	N/K	22 November, 10:20
		Heard 1 undetermined explosion		22 November, 10:21
	4-8km SE	Heard 1 undetermined explosion		22 November, 10:27
	3-4km SSE	Heard 2 bursts	Small arms	22 November, 10:45
	6-7km SSE	Heard 1 undetermined explosion	N/K	22 November, 10:51
	4-5km SSE	Heard 1 undetermined explosion		22 November, 10:53
	3-5km SSE	Heard 1 undetermined explosion		22 November, 10:56
	3-4km SE	Heard 3 shots	IFV (BMP-2) cannon (30mm)	22 November, 11:06
		Heard 3 bursts	Small arms	22 November, 11:10
	4-6km SE	Heard 1 undetermined explosion	N/K	22 November, 11:29
		Heard 1 undetermined explosion		22 November, 11:33
	4-5km SE	Heard 1 undetermined explosion		22 November, 11:44
		Heard 1 undetermined explosion		22 November, 12:33
		Heard 1 undetermined explosion		22 November, 12:39
Heard 1 undetermined explosion		22 November, 12:47		
3-4km SE	Heard 1 burst	Small arms	22 November, 13:06	
	Heard 1 undetermined explosion	N/K	22 November, 13:07	
4-6km SE	Heard 1 undetermined explosion		22 November, 13:54	
3km SE	Heard 1 explosion (impact)	Mortar (82mm)	22 November, 13:57	
Krasnohorivka (government-controlled, 21km W of Donetsk)	2-4km E	Heard 18 undetermined explosions		22 November, 11:10-11:18
Marinka (government-controlled, 23km SW of Donetsk)	1-3km NE	Heard 3 undetermined explosions		22 November, 12:11
	1-2km NE	Heard 3 undetermined explosions		22 November, 12:18
Petrivske ("DPR"-controlled, 41km S of Donetsk)	3-4km SW	Heard 2 undetermined explosions		22 November, 10:19
		Heard 1 undetermined explosion		22 November, 13:41
		Heard 1 undetermined explosion		22 November, 13:43
2km E of Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K SE	Heard 1 undetermined explosion		22 November, 13:48
		Heard 1 undetermined explosion		22 November, 10:28
		Heard 1 undetermined explosion		22 November, 11:50
Zoria (government-controlled, 40km NW of Donetsk)	N/K S	Heard 1 undetermined explosion		22 November, 13:28
		Heard 4 undetermined explosions		22 November, 10:55-11:00
		Heard 1 undetermined explosion		22 November, 11:05
		Heard 1 undetermined explosion		22 November, 11:07
3km SE of Volnovakha (government-controlled, 53km S of Donetsk)	5-7km SSE	Heard 1 undetermined explosion		22 November, 11:08
		Heard 4 undetermined explosions		22 November, 11:20-11:24
Talakovka (government-controlled, 17km NE of Mariupol)	N/K SSE	Heard 35 undetermined explosions		22 November, 12:05-12:40
2.5km NE of Hnutove (government-controlled, 20km NE of Mariupol)	N/K SSE	Heard 1 undetermined explosion		22 November, 08:29
		Heard 10 undetermined explosions		22 November, 10:12-10:17
	N/K SE	Heard 6 bursts (5 shots each)	HMG	
Sopyne (government-controlled, 16km E of Mariupol)	N/K E	Heard at least 40 undetermined explosions		22 November, 12:00-12:05
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	3-4km NNE	Heard 23 explosions (outgoing)	N/K	22 November, 12:15-12:30
	N/K ENE	Heard 11 explosions (impacts)		
	N/K E	Heard 12 explosions (impacts)		
	N/K NNE	Heard 2 undetermined explosions		
	4-5km ESE	Heard 2 undetermined explosions		
Lebedynske (government-	N/K ESE	Heard 4 undetermined explosions		22 November, 13:15-13:35

controlled, 16km NE of Mariupol)	N/K WSW	Heard 1 undetermined explosion		22 November, 13:35-14:25
	N/K E	Heard 1 undetermined explosion		
	N/K SE	Heard 3 explosions (outgoing)		
	N/K SSE	Heard 4 explosions (impacts)		
	N/K ENE	Heard 14 explosions (outgoing)		
	N/K SE	Heard 14 explosions (impacts)		
	3-4km ENE	Heard 13 explosions (outgoing)		
	N/K ENE	Heard 10 undetermined explosions		
	N/K E	Heard 7 undetermined explosions		
		Heard 1 explosion (impact)		
	N/K ESE	Heard 3 undetermined explosions		
		Heard 13 explosions (outgoing)		
	N/K SE	Heard 10 explosions (impacts)		
3km NE	Heard and saw 2 airbursts			
N/K N	Heard 5 undetermined explosions			
Kulykove (“DPR”-controlled, 30km NE of Mariupol)	N/K S	Heard 7 undetermined explosions	N/K	22 November, 14:10-14:15
Sartana (government-controlled, 15km NE of Mariupol)	N/K S	Heard at least 5 undetermined explosions	N/K	22 November, 14:12-14:14
Stanytsia Luhanska bridge (16km NW of Luhansk)	0.8-1km E (inside DA)	Heard 1 undetermined explosion	N/K	22 November, 09:36
Popasna (government-controlled, 69km W of Luhansk)	2-3km SE	Heard 4 shots	Small arms	22 November, 10:02-10:10
Troitske (government-controlled, 69km W of Luhansk)	10-12km SW	Heard 6 undetermined explosions	N/K	22 November, 10:35-10:43
Shymshynivka (“LPR”-controlled, 27km SW of Luhansk)	2-5km SSW	Heard 10 undetermined explosions	Tank	22 November, 11:15-11:23
		Heard 4 undetermined explosions	N/K	
Pervomaisk (“LPR”-controlled, 58km W of Luhansk)	10km W (outside DA)	Heard 1 undetermined explosion	N/K	22 November, 11:25
2km SW of Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	3km SW	Heard 5 explosions(impacts)	N/K	22 November, 11:50-12:10

Map of Donetsk and Luhansk regions²



² The SMM is actively deployed to ten locations throughout Ukraine, Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv, as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated since 27 September based on recommendations of security experts from participating States).