

Table of ceasefire violations as of 7 November 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time	
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km SE	Recorded 2 undetermined explosions	N/K	6 November, 18:24	
		Recorded 1 undetermined projectile fired from N to S		6 November, 18:31	
		Recorded 1 undetermined projectile fired from S to N		6 November, 18:31	
		Recorded 28 undetermined projectiles fired from S to N		6 November, 18:33-18:36	
		Recorded 1 illumination flare		6 November, 18:37	
		Recorded 15 undetermined projectiles fired from S to N		6 November, 18:40	
		Recorded 1 undetermined projectile fired from N to S		6 November, 18:44	
		Recorded 5 undetermined explosions		6 November, 18:54-19:02	
		Recorded 8 undetermined projectiles fired from N to S		6 November, 19:12	
		Recorded 1 illumination flare		6 November, 19:16	
		Recorded 2 undetermined projectiles fired from S to N		6 November, 19:17	
		2-4km SE		Recorded 2 undetermined projectiles fired from N to S	6 November, 19:22
				Recorded 1 undetermined projectile fired from N to S	6 November, 19:23
	Recorded 1 illumination flare			6 November, 19:29	
	4-6km SE	Recorded 1 airburst		6 November, 19:40	
		Recorded 5 undetermined projectiles fired from S to N		6 November, 19:41	
		Recorded 4 undetermined explosions		6 November, 19:44	
		Recorded 2 illumination flares		6 November, 19:50-20:11	
		Recorded 2 undetermined explosion		6 November, 20:17-20:21	
		Recorded 1 undetermined projectile fired from S to N		6 November, 20:21	
		Recorded 4 undetermined explosions		6 November, 20:22-21:00	
		Recorded 7 undetermined projectiles fired from N to S		6 November, 21:04	
	2-4km SE	Recorded 5 undetermined projectiles fired from N to S		6 November, 21:05-21:11	
	4-6km SE	Recorded 1 undetermined explosion		6 November, 21:11	
		Recorded 1 undetermined projectile fired from S to N		6 November, 21:14	
	2-6km SE	Recorded 3 undetermined projectiles fired from N to S		6 November, 21:15-21:16	
	4-6km SE	Recorded 1 undetermined explosion		6 November, 21:16	

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.

		Recorded 14 undetermined projectiles fired from N to S		6 November, 21:17	
	2-6km SE	Recorded 2 undetermined projectiles fired from N to S		6 November, 21:18	
	4-6km SE	Recorded 1 undetermined explosion		6 November, 21:19	
		Recorded 2 undetermined projectiles fired from N to S		6 November, 21:19	
		Recorded 1 undetermined projectile fired from S to N		6 November, 21:20	
		Recorded 12 undetermined projectiles fired from N to S		6 November, 21:20	
		Recorded 2 undetermined projectiles fired from N to S		6 November, 21:21	
		Recorded 1 undetermined projectile fired from S to N		6 November, 21:23	
		Recorded 9 undetermined projectiles fired from N to S		6 November, 21:24-21:27	
		Recorded 1 airburst		6 November, 21:28	
		Recorded 2 undetermined projectiles fired from N to S		6 November, 21:31	
		Recorded 2 undetermined explosions		6 November, 21:36	
		Recorded 1 undetermined projectile fired from N to S		6 November, 21:40	
		Recorded 1 undetermined explosion		6 November, 21:45	
		Recorded 2 undetermined projectiles fired from N to S		6 November, 21:47	
		Recorded 3 undetermined projectiles fired from S to N		6 November, 21:48	
		Recorded 4 undetermined explosions		6 November, 21:51-22:00	
		Recorded 3 undetermined projectiles fired from N to S		6 November, 22:04	
		Recorded 1 undetermined explosion		6 November, 22:05	
		Recorded 3 undetermined projectiles fired from S to N		6 November, 22:07	
		Recorded 5 undetermined explosions		6 November, 22:07-22:09	
		Recorded 4 undetermined projectiles fired from S to N		6 November, 22:10	
		Recorded 2 undetermined projectiles fired from N to S		6 November, 22:16	
		Recorded 10 undetermined projectiles fired from S to N		6 November, 22:53-23:28	
		Recorded 4 undetermined projectiles fired from N to S		6 November, 23:28-00:26	
		Recorded 1 undetermined projectile fired from S to N		7 November, 00:26	
		Recorded 3 undetermined explosions		7 November, 00:28	
		Recorded 1 undetermined projectile fired from N to S		7 November, 00:29	
		Recorded 1 undetermined explosion		7 November, 01:01	
		2-4km ESE	Recorded 7 explosions (impacts)		7 November, 11:59
			Recorded 1 explosion (impact)		7 November, 12:08
			Recorded 2 explosions (impacts)	N/K	7 November, 12:15
			Recorded 1 explosion (impact)		7 November, 12:19
			Recorded 1 explosion (impact)		7 November, 12:20
			Recorded 2 explosions (impacts)		7 November, 12:22

		Recorded 1 explosion (impact)		7 November, 12:24
Horlivka ("DPR" controlled, 39 Km NE of Donetsk)	8-10km WSW	Heard 81 undetermined explosions	N/K	6 November, 17:06
	4-5km WSW	Heard 3 bursts	HMG	6 November, 17:15-17:22
		Heard 4 shots	AGL	6 November, 17:23
	5-6km WSW	Heard 3 single shots	IFV (BMP-2) cannon (30mm)	6 November, 17:15-18:22
	3-5km WSW	Heard 14 bursts	Small arms	6 November, 17:31-17:42
	8-10km WSW	Heard 36 undetermined explosions	N/K	6 November, 18:09-18:34
	3-4km WSW	Heard 3 bursts	Small arms	6 November, 18:28
	4-5km WSW	Heard 5 single shots	IFV (BMP-2) cannon (30mm)	6 November, 18:30
		Heard 2 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	6 November, 18:37
	3-4km WSW	Heard 2 bursts	Small arms	6 November, 18:56
	8-10km WSW	Heard 15 undetermined explosions	N/K	6 November, 18:59-19:52
	4-5km WSW	Heard 4 explosions (outgoing)	Cannon (BMP-1, 73mm)	6 November, 20:11
		Heard 11 single shots	IFV (BMP-2) cannon (30mm)	6 November, 20:24
	3-4km WSW	Heard 3 bursts	Small arms	6 November, 20:39
	5-6 km WSW	Heard 3 explosions (impacts)	Mortar (120mm)	6 November, 20:41
	3-4km WSW	Heard 12 bursts	Small arms	6 November, 20:50
	4-5km WSW	Heard 4 bursts	IFV (BMP-2) cannon (30mm)	6 November, 20:53
	6-8km WSW	Heard 2 explosions (impacts)	Mortar (120mm)	6 November, 21:00
	8-10km WSW	Heard 29 undetermined explosions	N/K	6 November, 21:03-21:41
	4-5km WSW	Heard 2 bursts	HMG	6 November, 21:52
		Heard 17 explosions (outgoing)	Mortar (120mm)	6 November, 22:00
		Heard 23 bursts	HMG	6 November, 22:03
		Heard 10 bursts	IFV (BMP-2) cannon (30mm)	6 November, 22:03
		Heard 6 explosions (outgoing)	Mortar (120mm)	6 November, 22:14
	8-10km WSW	Heard 5 undetermined explosions	N/K	6 November, 22:14
	4-5km WSW	Heard 4 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	6 November, 22:14
	6-7km WSW	Heard 1 undetermined explosions	N/K	6 November, 22:35
4-5km WSW	Heard 24 bursts	HMG	6 November, 22:35	
3-4km WSW	Heard 12 bursts	Small arms	6 November, 22:56	
4-5km WSW	Heard 17 bursts	HMG	6 November, 23:02	
	Heard 1 explosion (outgoing)	Recoilless gun (SPG-9, 73mm)	6 November, 23:02	
5-6km WSW	Heard 1 undetermined explosions	N/K	6 November, 23:39	
3-4km WSW	Heard 4 bursts	Small arms	7 November, 00:12	
4-5km SW	Heard 3 undetermined explosion	N/K	7 November, 12:10	
6-7km SW	Heard one explosion (impact)	Artillery (152mm)	7 November, 12:13	

	7-9km SW	Heard 3 undetermined explosion	N/K	7 November, 13:42
SMM camera in Shyrokyne, (government-controlled, 20km E of Mariupol)	N/K NE	Recorded 3 undetermined explosions	N/K	6 November, 17:17-17:22
		Recorded 21 bursts of direct tracers fired from SSE to NNW		6 November, 17:17-17:19
		Recorded 24 bursts of direct tracers fired from SW to NE	Cannon (N/K calibre)	6 November, 17:17-17:22
		Recorded 16 bursts of direct tracers fired from NE to SW	N/K	6 November, 17:17-17:22
		Recorded 14 bursts of direct tracers fired from NNE to SSE		6 November, 17:17-17:25
		Recorded 15 indirect rocket-assisted undetermined projectiles fired from SW to NE	MLRS	6 November, 17:22-17:42
		Recorded 15 explosions (impacts)		6 November, 17:27-17:45
		Recorded 110 indirect rocket-assisted undetermined projectiles fired from SE to NW		
		Recorded 110 explosions (impacts)	N/K	6 November, 17:29-17:38
		Recorded 12 bursts of direct tracers fired from SE to NW		6 November, 17:39-18:05
		Recorded 18 undetermined explosions		6 November, 17:41-18:26
		Recorded 24 indirect rocket-assisted undetermined projectiles fired from SE to NW		6 November, 17:45-18:21
		Recorded 116 direct tracers fired from SE to NE	Cannon	6 November, 17:45-18:21
		Recorded 9 bursts of direct tracers fired from NW to SE	N/K	6 November, 18:16-18:17
		Recorded 4 bursts of direct tracers fired from NE to NW		6 November, 18:48-18:55
Recorded 1 undetermined explosion	6 November, 18:54			
Svitlodarsk (government-controlled, 57km NE of Donetsk)	2-3km SSE	Heard 4 single shots (outgoing)	Small arms	6 November, 19:52
	3-4km SE	Heard 3 undetermined explosions	N/K	6 November, 19:52
		Heard 1 undetermined explosion		6 November, 20:01
	2-3km SSE	Heard 3 bursts (outgoing)	HMG	6 November, 20:06
		Heard 8 single shots (outgoing)	Small arms	6 November, 20:21
		Heard 8 bursts (outgoing)	HMG	6 November, 20:29
		Heard 2 bursts (outgoing)		6 November, 20:36
		Heard 1 burst (outgoing)		6 November, 20:43
	3-4km SE	Heard 1 undetermined explosion	N/K	6 November, 20:45
		Heard 2 undetermined explosion		6 November, 20:49
	2-3km SSE	Heard 3 bursts (outgoing)	HMG	6 November, 20:49
	3-4km SE	Heard 2 undetermined explosions	N/K	6 November, 20:54
	2-3km SE	Heard 3 bursts (outgoing)	HMG	6 November, 21:17
		Heard 3 bursts (outgoing)	Small arms	6 November, 21:17
	2-3km S	Heard 3 bursts		6 November, 21:17
3km SE	Heard 1 undetermined explosions	N/K	07 November, 13:22	
SMM camera at Oktiabr mine ("DPR"-controlled, 9km NW of Donetsk)	7-9km NE	Recorded 2 flares	N/K	6 November, 21:22
		Recorded 1 undetermined projectile fired from S to N		6 November, 21:23
Debaltseve ("DPR"-	8-12km	Heard 3 undetermined explosions	N/K	6 November, 20:50

controlled, 58km NE of Donetsk)	NW	Heard 5 undetermined explosions		6 November, 23:10	
Park Inn Hotel (“DPR”-controlled, Donetsk)	6-10km SW	Heard 1 undetermined explosion	N/K	7 November 00:02	
		Heard 2 undetermined explosions		7 November, 00:05	
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	4-6km W	Heard 1 undetermined explosion	N/K	7 November, 09:02	
	3-5km SW	Heard 6 bursts	HMG	7 November, 09:10	
	4-6km W	Heard 1 undetermined explosion	N/K	7 November, 09:20	
	1-2km S	Heard 2 single shots	Small arms		
	3-5km SW	Heard 5 single shots			7 November, 09:22
	2-4km SW	Heard 8 single shots	HMG	7 November, 09:38	
	2-3km W	Heard 5 undetermined explosions	N/K	7 November, 09:57	
	2-5km SW	Heard 2 undetermined explosions		7 November, 10:04	
	3-5km SW	Heard 2 undetermined explosions		7 November, 10:12	
	2-4km W	Heard 2 undetermined explosions		7 November, 10:14	
	2-5km SW	Heard 2 undetermined explosions		7 November, 10:18	
	2-5km W	Heard 2 undetermined explosions		7 November, 10:20	
	2-4km SW	Heard 1 burst		Small arms	7 November, 10:27
	4-6km SW	Heard 2 undetermined explosions		N/K	7 November, 10:41
	3-6km SW	Heard 10 undetermined explosions	7 November, 11:07		
		Heard 4 undetermined explosions	7 November, 11:12		
	3-6km W	Heard 2 undetermined explosions	7 November, 11:23		
	4-6km SW	Heard 11 undetermined explosions	7 November, 11:28		
	3-6km SW	Heard 8 undetermined explosions	7 November, 11:32		
	2-5km SW	Heard 6 bursts	HMG	7 November, 11:38	
	2-5km SW	Heard uncountable overlapping explosions, bursts and single shots (18min)	N/K, HMG, small arms	7 November, 11:38-11:56	
	2-4km SW	Heard 9 undetermined explosions	N/K	7 November, 12:01-12:08	
		Heard 6 single shots	HMG	7 November, 12:06	
		Heard 4 undetermined explosions	N/K	7 November, 12:12-12:25	
	2-3km SW	Heard 1 undetermined explosion		7 November, 13:24	
	2-5km SW	Heard uncountable overlapping bursts and single shots (21min)	HMG, small arms	7 November, 13:35-13:56	
	2-3km SW	Heard 1 undetermined explosion	N/K	7 November, 14:01	
	2-5km SW	Heard uncountable overlapping bursts and single shots (4min)	HMG, small arms	7 November, 14:02-14:06	
2-3km SW	Heard 1 undetermined explosion	N/K	7 November, 14:17		
2-4km NW	Heard 1 undetermined explosion		7 November, 14:20		
2-4km SW	Heard uncountable overlapping bursts and single shots (3min)	Small arms	7 November, 14:22-14:25		
Verkhnoшыrokiyske (“DPR”-controlled, 29km NE of Mariupol)	300m SE	Heard 7 explosions (outgoing) fired from SE to SW	AGL	7 November, 09:44	
		Heard 2 explosions (outgoing) fired from SE to SW		7 November, 09:57	
Luhanske (government-controlled, 59km NE of Donetsk)	2-3km SE	Heard 5 bursts	HMG	7 November, 09:57	
	3-4km SE	Heard 2 undetermined explosions	N/K	7 November, 10:01	
		Heard 4 undetermined explosions			
	2-4km SE	Heard 5 bursts	HMG	7 November, 10:05-10:10	
		Heard 4 bursts	Small arms		
		Heard 3 explosions (outgoing)	AGL		
3-4km SE	Heard 11 undetermined explosions	N/K	7 November, 10:11-10:20		

		Heard 6 undetermined explosions		7 November, 10:21-10:25
		Heard 9 undetermined explosions		7 November, 10:30-10:35
		Heard 18 undetermined explosions		7 November, 10:36-10:46
	2km SE	Heard 4 explosions (impacts)		7 November, 10:48
3km NNE of Hnutove (government-controlled, 20km NE of Mariupol)	N/K E	Heard 3 bursts	Small arms	7 November, 10:00
Volnovakha (government-controlled, 53km S of Donetsk)	3-5km SE	Heard 2 undetermined explosions	Artillery (N/K calibre)	7 November, 10:13-10:18
Avdiivka (government-controlled, 17km N of Donetsk)	5-8km ESE	Heard 2 undetermined explosions	N/K	7 November, 10:20
		Heard 2 undetermined explosions		7 November, 10:27
		Heard 2 undetermined explosions		7 November, 10:30
		Heard 1 undetermined explosion		7 November, 10:40
		Heard 18 undetermined explosions		7 November, 11:10-11:39
	3-4km SE	Heard 5 bursts	HMG	7 November, 12:00
	5-6km S	Heard 2 undetermined explosions	N/K	7 November, 12:00
	3km E	Heard 3 explosions (outgoing)	Mortar (N/K calibre)	7 November, 12:01
	3-4km E	Heard 1 undetermined explosion	N/K	7 November, 12:02
	3km E	Heard 8 bursts	Small arms	7 November, 12:02
	6km S	Heard 1 undetermined explosion	N/K	7 November, 12:02
	3-4km SE	Heard 3 undetermined explosions		7 November, 12:07
	3km E	Heard 10 bursts	Small arms	7 November, 12:11-12:30
	3-4km SE	Heard 2 undetermined explosions	N/K	7 November, 12:40
2km N of Vodiane (government-controlled, 19km NE of Mariupol)	N/K SSE	Heard 1 undetermined explosion	N/K	7 November, 10:55
Pavlopil (government-controlled, 26km NE of Mariupol)	7km SE	Heard 2 explosions (impacts)	Mortar	7 November, 11:10
		Heard 15 shots	AGL	
		Heard 3 bursts	Small arms	
	5km SE	Heard at least 100 bursts	HMG	7 November, 11:10 - 11:30
		Heard 2 explosions (impacts)	Mortar (N/K calibre)	7 November, 11:50-12:05
		Heard 3 explosions (outgoing)		
		Heard 7 bursts	HMG	
	N/K SSW	Heard 12 undetermined explosions	N/K	
N/K SE	Heard uncountable overlapping bursts	Small arms	7 November, 12:10	
Zaichenko ("DPR"-controlled, 26km NE of Mariupol)	100-150m E	Heard and felt 1 undetermined explosion	N/K	7 November, 11:50
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K ESE	Heard 2 shots	Cannon (N/K calibre)	7 November, 11:52-11:55
	N/K NE	Heard 1 explosion (outgoing)		
	N/K NNE	Heard 2 undetermined explosions	N/K	7 November, 12:02
Bezimenne ("DPR"-controlled, 30km E of Mariupol)	200m W	Heard 2 explosions (outgoing)	N/K	7 November, 12:28
	2-3 km W	Heard uncountable explosions of outgoing fire (60 seconds)	MLRS (BM-21 <i>Grad</i> , 122mm)	7 November, 12:40
		Heard 4 bursts	HMG	7 November, 12:50
	N/K W	Heard 12 explosions (impacts)	N/K	7 November, 12:54-12:56
Uzhivka ("DPR"-	N/K E	Heard 5 explosions (outgoing)	N/K	7 November, 12:00

controlled, 24km NE of Mariupol)	N/K W	Heard 5 explosions (impacts)		
Berdianske (government-controlled, 19km E of Mariupol)	2km NE	Heard and saw 1 explosion (outgoing)	N/K	7 November, 12:54
	N/K NNE	Heard 3 undetermined explosions	N/K	7 November, 13:27
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	2-5km NW and 10-15km W	Heard 60 explosions (outgoing) and subsequent 60 explosions (impacts)	Artillery (N/K calibre)	6 November, 20:30-21:09
		Heard 6 explosions (outgoing) and subsequent 6 explosions (impacts)	MLRS	
Hannivka ("LPR"-controlled, 57km SW of Luhansk)	10km SW	Heard 11 undetermined explosions	Artillery (N/K calibre)	7 November, 12:54-13:15
3km W of Orikhove-Donetske (government-controlled, 44km NW of Luhansk)	2-3km S	Heard 2 explosions (impacts)	Mortar (82mm)	7 November, 13:30-13:48
		Heard 4 explosions (outgoing)		
	3-5km W	Heard 30 bursts	IFV (BMP-1) cannon (73mm)	
		Heard 5 bursts	HMG	
3-5km S	Heard 1 explosion (impacts)	Mortar (120mm)	7 November, 14:07	
Troitske (government-controlled, 69km W of Luhansk)	2km E	Heard 12 bursts	HMG	7 November, 13:50-13:51

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.)