

Table of ceasefire violations as of 29 March 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time	
SMM camera at Oktiabr mine (9km NW of Donetsk)	2-4km NNE	Recorded 3 projectiles from S to N	N/K	28 March, 19:05	
		Recorded 1 projectile from S to N		28 March, 19:07	
		Recorded 1 subsequent explosion (impact)			
		Recorded 1 airburst			
		Recorded 7 projectiles from S to N			28 March, 19:08
			Recorded 3 projectiles from S to N		28 March, 19:08
	6-8 km NE	Recorded 1 undetermined explosion	N/K	28 March, 20:19	
		Recorded 1 undetermined explosion		28 March, 20:28	
		Recorded 3 tracer rounds from W to E		28 March, 21:45	
		Recorded 1 tracer round from W to E		28 March, 22:19	
		Recorded 4 tracer rounds from W to E		28 March, 22:31	
		Recorded 2 tracer rounds from W to E		28 March, 22:32	
	2-4km WSW	Recorded 3 undetermined explosions	N/K	28 March, 23:26	
		Recorded 7 undetermined explosions		28 March, 23:27	
		Recorded 4 undetermined explosions		28 March, 23:28	
		Recorded 2 undetermined explosions		28 March, 23:29	
	6-8 km NE	Recorded 2 tracer rounds from W to E	N/K	29 March, 00:03	
		Recorded 1 undetermined explosion		29 March, 00:19	
		Recorded 21 tracer rounds from E to W		29 March, 00:35	
		Recorded 1 illumination flare in vertical flight		29 March, 01:47	
		Recorded 1 illumination flare in vertical flight		29 March, 01:58	
		Recorded 2 illumination flares in vertical flight		29 March, 01:59	
		Recorded 1 illumination flare in vertical flight		29 March, 04:07	
		Recorded 1 projectile from E to W		29 March, 04:30	
		Recorded 1 projectile from E to W		29 March, 04:52	
		Recorded 1 illumination flare in		29 March, 04:55	

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.

SMM camera in Shyrokyne (20km E of Mariupol)	N/K N	vertical flight	N/K	28 March, 19:41
		Recorded 1 tracer from SW to NE		
		Recorded 1 subsequent explosion (impact)		
		Recorded 4 tracer rounds from E to W		28 March, 20:10
		Recorded 14 tracer rounds from E to W		28 March, 20:10
		Recorded 13 tracer rounds from E to W		28 March, 20:17
		Recorded 5 tracer rounds from E to W		28 March, 21:42
		Recorded 12 tracer rounds from W to E		28 March, 21:54
		Recorded 2 tracer rounds from W to E		28 March, 22:12
		Recorded 2 tracer rounds from W to E		28 March, 22:26
		Recorded 2 tracer rounds from SW to NE		28 March, 22:50
		Recorded 4 tracer rounds from SW to NE		28 March, 22:51
		Recorded 2 tracer rounds from SW to NE		28 March, 22:51
		Recorded 4 tracer rounds from SW to NE		28 March, 22:53
		Recorded 1 tracer round from SW to NE		28 March, 23:06
		Recorded 3 tracer rounds from SW to NE		28 March, 23:58
		Recorded 19 tracer rounds from SW to NE		29 March, 00:01
		Recorded 2 tracer rounds from SW to NE		29 March, 00:35
		Recorded 9 tracer rounds from SW to NE		29 March, 01:26
		Recorded 6 tracer rounds from SW to NE		29 March, 01:27
		Recorded 1 tracer round from SW to NE		29 March, 01:28
		Recorded 19 tracer rounds from W to E		29 March, 01:56
		Recorded 6 tracer rounds from E to W		
		Recorded 2 tracer rounds from SW to NE		29 March, 02:47
		Recorded 1 tracer round from SW to NE		29 March, 02:52
Recorded 1 tracer round from W to E	29 March, 03:08			
Recorded 1 subsequent explosion (impact)				
Recorded 8 tracer rounds from E to W	29 March, 04:58			
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	2-4 km ESE	Recorded 1 undetermined explosion	N/K	28 March, 20:19
		Recorded 2 undetermined explosions		28 March, 21:29
		Recorded 2 undetermined explosions		28 March, 21:30
		Recorded 1 undetermined explosion		28 March, 23:29
		Recorded 2 illumination flares in vertical flight		29 March, 00:02
		Recorded 1 undetermined explosion		29 March, 00:20
		Recorded 1 undetermined explosion		29 March, 00:24
		Recorded 4 tracer round from N to S		29 March, 02:10
		Recorded 1 projectile from S to N		29 March, 03:34
		Recorded 1 projectile from S to N		29 March, 03:36

		Recorded 1 projectile from S to N		29 March, 03:37
		Recorded 4 projectiles from S to N		29 March, 03:38
		Recorded 1 projectile from S to N		29 March, 03:39
		Recorded 1 projectile from S to N		29 March, 03:41
		Recorded 2 projectiles from S to N		29 March, 03:46
		Recorded 2 projectiles from S to N		29 March, 03:47
		Recorded 4 projectiles from S to N		29 March, 03:48
		Recorded 6 projectiles from S to N		29 March, 03:49
		Recorded 3 projectiles from S to N		29 March, 03:50
	2-4km SE	N/K	Recorded 1 projectile from N to S	29 March, 04:16
			Recorded 4 projectiles from S to N	29 March, 04:54
			Recorded 1 undetermined explosion	29 March, 04:55
			Recorded 4 projectiles from S to N	29 March, 04:56
			Recorded 1 undetermined explosion	29 March, 05:00
			Recorded 1 projectile from S to N	29 March, 05:01
			Recorded 2 projectiles from W to E	29 March, 05:02
			Recorded 1 undetermined explosion	29 March, 05:03
			Recorded 6 tracer rounds from W to E	29 March, 05:04
			Recorded 1 undetermined explosion	29 March, 05:05
			Recorded 1 undetermined explosion	29 March, 05:28
			Recorded 2 projectiles from W to E	29 March, 05:40
			Recorded 1 projectile from W to E	29 March, 05:41
			Recorded 7 tracer rounds from W to E	29 March, 05:42
			Recorded 2 projectiles from W to E	29 March, 05:43
			Recorded 1 undetermined explosion	29 March, 17:25-17:28
			Recorded 1 projectile from W to E	29 March, 17:35
			Recorded 11 tracer rounds from W to E	29 March, 17:41
			Recorded 2 projectiles from W to E	29 March, 17:48
			Recorded 1 undetermined explosion	29 March, 17:52
	Recorded 2 projectiles from W to E	29 March, 17:55		
	Recorded 1 projectile from W to E	29 March, 18:15-18:16		
	Recorded 1 projectile from W to E	29 March, 18:19-18:21		
	4-5 km ESE	N/K	Recorded 3 explosions (impact)	29 March, 18:15-18:16
Recorded 1 explosion (impact)			29 March, 18:19-18:21	
Recorded 2 explosions (impact)			29 March, 17:25-17:28	
Recorded 1 explosion (impact)			29 March, 17:35	
Recorded 1 explosion (impact)			29 March, 17:41	
Recorded 1 explosion (impact)			29 March, 17:48	
Recorded 1 air burst			29 March, 17:52	
Recorded 2 explosions (impact)			29 March, 17:55	
Horlivka ("DPR"-controlled, 39km N of Donetsk)	3-5 Km W	Heard 8 undetermined explosions	N/K	28 March, 19:54 – 19:58
	6-8 Km NW	Heard 11 undetermined explosions		28 March, 21:11
		Heard 12 undetermined explosions		28 March, 21:27
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7 km NW	Heard 10 bursts	HMG	28 March 20:30-20:45
	7-10km SW	Heard 3 explosions (outgoing)	MLRS (type N/K)	28 March, 20:55
	6-10km ENE	Heard 1 undetermined explosions	N/K	28 March, 21:25
	7-10km ENE	Heard 45 undetermined explosions		28 March, 22:10-22:30

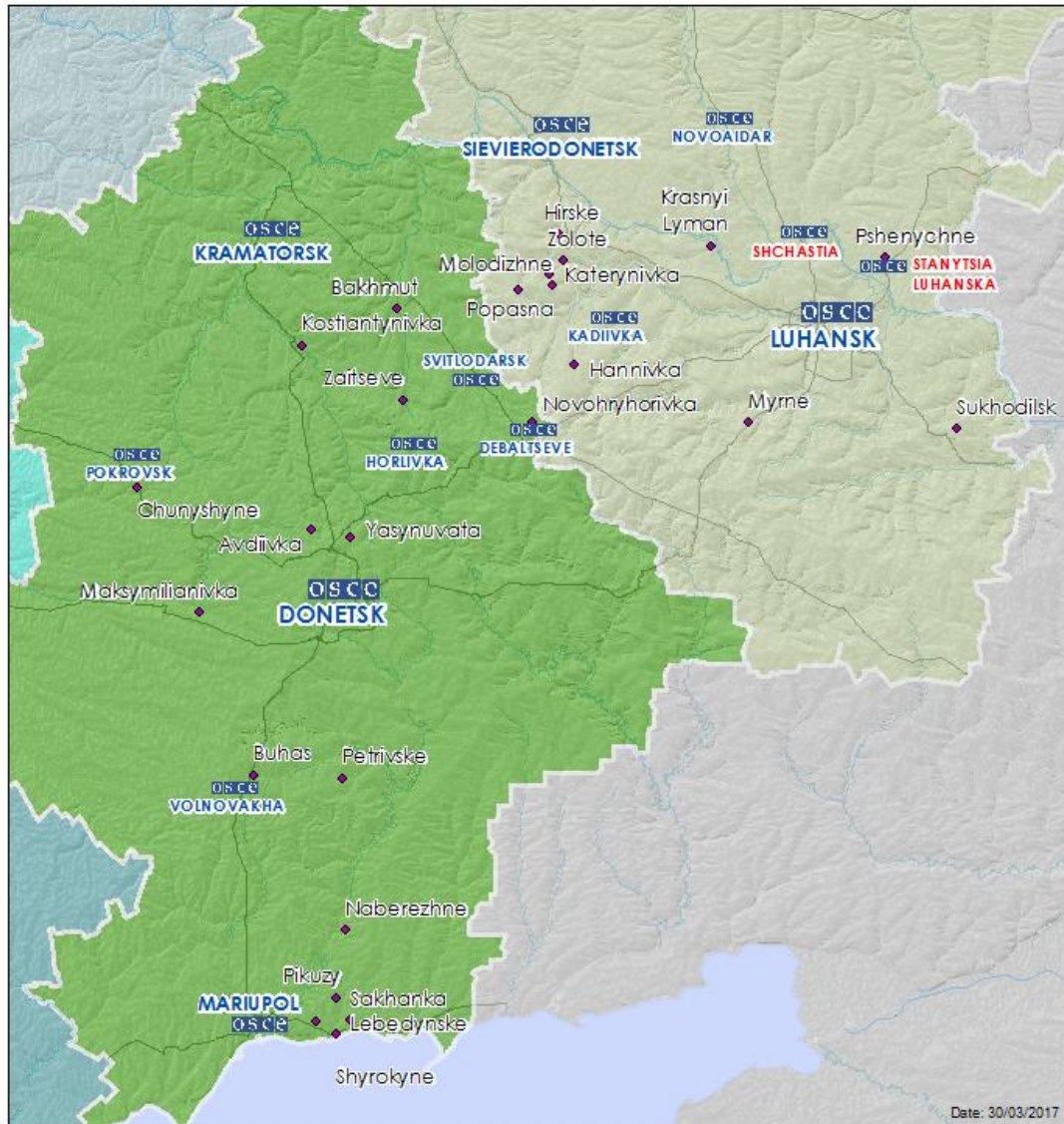
Donetsk city centre	6-8km NNW	Heard 12 undetermined explosions	N/K	28 March, 21:46-23:17	
	4-6km NW	Heard 103 undetermined explosions		28 March, 23:22-23:51	
		Heard 49 undetermined explosions		29 March, 00:03-04:47	
Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Heard 3 undetermined explosions	N/K	29 March, 10:05-10:10	
		Heard 1 undetermined explosion		29 March, 11:05	
	2-3km SE	Heard 2 undetermined explosions		29 March, 11:30	
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	2-4km WSW	Heard 2 undetermined explosions	Artillery (type N/K)	29 March, 10:24	
	2-3km W	Heard 7 shots	N/K	29 March, 10:32	
	3-5km WNW	Heard 1 undetermined explosion		29 March, 10:48	
	3-5km NW	Heard 1 undetermined explosion		29 March, 11:00	
	3-5km NW	Heard 1 undetermined explosion		29 March, 11:06	
	2-3km NNW	Heard 23 shots	Small arms	29 March, 11:17-11:20	
	1-3km WNW	Heard 2 undetermined explosions	N/K	29 March, 11:48	
	1-2km WNW	Heard 1 undetermined explosion		29 March, 11:52	
	2-4km W	Heard 26 undetermined explosions			29 March, 12:14-12:30
		Heard 14 bursts	HMG	29 March, 12:14-12:30	
		Heard 7 shots	Small arms	29 March, 12:14-12:30	
		Heard uncountable overlapping shots		29 March, 12:14-12:30	
	2-3km WSW	Heard 1 undetermined explosion	Artillery (type N/K)	29 March, 12:57	
	2-3km WNW	Heard 4 undetermined explosions	N/K	29 March, 13:56	
		Heard 17 undetermined explosions			
		Heard 6 bursts	HMG	29 March, 14:00-14:05	
		Heard 4 shots	Small arms		
	2-3km W	Heard 2 bursts	Small arms	29 March, 14:07	
		Heard 4 undetermined explosions	N/K	29 March, 14:09	
		Heard 15 shots	Small arms	29 March, 14:15	
		Heard 2 bursts		29 March, 14:24	
		Heard 4 shots		29 March, 14:26	
	2-3km W	Heard 12 undetermined explosions	N/K	29 March, 14:50	
	2km W	Heard 7 shots	Small arms	29 March, 14:54	
	2-3km W	Heard 4 shots	HMG	29 March, 14:55	
	2-3km W	Heard uncountable overlapping bursts and shots	HMG and small arms	29 March, 14:55-14:57	
	2-3km W	Heard 1 explosion (outgoing)	Mortar (type N/K)	29 March, 15:00	
2-3km W	Heard 1 undetermined explosion	N/K	29 March, 15:01		
2-3km W	Heard 1 undetermined explosion		29 March, 15:02		
2-3km W	Heard 2 undetermined explosions		29 March, 15:03		
3-5km N	Heard 1 undetermined explosion		29 March, 15:10		
3km N	Heard 1 undetermined explosion		29 March, 15:15		
Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city centre)	3-5km NW		Heard 31 undetermined explosions	N/K	29 March, 10:24
	4-6km N		Heard 4 undetermined explosions		
Kyivskiyi district (“DPR”-controlled, 5km NW of Donetsk)	3-5km NNE	Heard 12 undetermined explosions	N/K	29 March, 11:27-11:50	
		Heard 6 undetermined explosions		29 March, 11:50-12:10	
		Heard 1 undetermined explosions		29 March, 12:22	
		Heard 1 burst	Small arms	29 March, 12:25	
		Heard 1 undetermined explosion	N/K	29 March, 12:40	

		Heard 1 undetermined explosion		29 March, 13:05
	3-5km W	Heard 1 undetermined explosion		29 March, 13:10
Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	4-6km NW	Heard 4 undetermined explosions	N/K	29 March, 14:50-14:53
Mariupol (government-controlled, 102km S of Donetsk)	N/K E	Heard 7 undetermined explosions	N/K	29 March, 07:20-07:24
3km N of Lebedynske (government controlled, 16 Km NE of Mariupol)	N/K N	Heard 6 undetermined explosions	N/K	29 March, 09:40-09:50
3km NW of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K SSE	Heard 4 undetermined explosions	N/K	29 March, 09:55-10:05
	N/K N	Heard 4 undetermined explosions		29 March, 10:09-10:21
	N/K SSE	Heard 2 undetermined explosions		29 March, 10:25-10:28
		Heard 2 undetermined explosions		29 March, 10:33-10:45
	N/K N	Heard 5 undetermined explosions		29 March, 10:56-11:07
Topolyne (government-controlled, 19km NW of Mariupol)	N/K SE	Heard 7 undetermined explosions	N/K	29 March, 10:10-10:16
3km NE of Zaichenko (“DPR”-controlled, 26km NE of Mariupol)	N/K SSW	Heard 2 undetermined explosions	N/K	29 March, 10:18
Pikuzy (formerly Kominternove) (“DPR”-controlled, 23km NE of Mariupol)	N/K SSW	Heard 4 undetermined explosions	N/K	29 March, 11:15-11:46
		Heard 8 bursts	Small arms	
	N/K SSE	Heard 2 undetermined explosions	N/K	
		Heard 3 explosions (outgoing)		
	N/K SSW	Heard 3 subsequent explosions (impact)		
	N/K SE	Heard 7 explosions (outgoing)		
N/K SSW	Heard 6 subsequent explosions (impact)			
4-5km WSW	Heard 2 undetermined explosions	29 March, 11:46-12:18		
N edge Sakhanka (“DPR”-controlled, 24km NE of Mariupol)	1-2km WSW	Heard 7 explosions (outgoing)	N/K	29 March, 12:58-13:08
	2,5km W	Heard and saw 5 explosions (impact)		
	N/K W	Heard 30 bursts	HMG	
	1-2km W	Heard 70 bursts		29 March, 13:10-13:25
NE edge of Sopyne (government-controlled, 16km E of Mariupol)	N/K NNE	Heard 1 undetermined explosion	N/K	29 March, 13:40
Kulykove (“DPR”-controlled, 30km northeast of Mariupol)	1-2km WSW	Heard 40 bursts	HMG	29 March, 14:21-14:25
	N/K WSW	Hears 2 undetermined explosions	N/K	
3km NNE of Hnutove (government controlled, 20km NE of Mariupol)	2-3km SW	Heard 6 undetermined explosions	N/K	29 March, 14:36-14:57
	N/K SE	Heard 2 undetermined explosion		

SMM camera in Zolote disengagement area (government-controlled, 60km NW of Luhansk)	3.6km E	Recorded 1 explosion (outgoing) (outside the disengagement area)	Mortar (type N/K)	27 March, 20:40
	3.3km SSW	Recorded 1 unidentified projectile in flight from SW to NE (outside the disengagement area)	N/K	27 March, 21:01
	4km SSE	Recorded 1 explosion (impact) (outside the disengagement area)	Artillery (type N/K)	27 March, 21:46
	4.5km S	Recorded 1 undetermined explosion (outside the disengagement area)	Mortar (type N/K)	28 March, 00:24
SMM camera in Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	0.86km S	Recorded 1 projectile in flight from W to E (inside the disengagement area)	Flare	28 March, 20:07
	1.0.km S	Recorded 1 projectile in flight from S to N (inside the disengagement area)	Flare	28 March, 20:20
	0.80km S	Recorded 1 projectile in flight from W to E (inside the disengagement area)	Flare	28 March, 20:59
	0.80km S	Recorded 1 undetermined flash (inside the disengagement area)	N/K	28 March, 21:18
Kadiivka (formerly Stakhanov, “LPR”-controlled, 50km W of Luhansk)	5-20km WNW	Heard 63 undetermined explosions	N/K	28 March, 22:00 - 22:30
	5-7km NW	Heard 3 undetermined explosions	Artillery (calibre N/K)	28 March, 22:46-
	3-5km NW	Heard 2 undetermined explosions		28 March, 22:57
	10km + SW	Heard 100 explosions (50 outgoing and 50 subsequent impacts)		29 March, 10:19-11:01
3km NW of Vyskryva (government-controlled 76km W of Luhansk)	10km+N	Heard 10 undetermined explosion	N/K	29 March, 10:18
1km N Lobacheve (government-controlled, 17km NW of Luhansk)	0,7kmN	Heard 8 shots	AGL (calibre N/K)	29 March, 10:24-10:44
	5km E	Heard 6 undetermined explosions	N/K	
N edge of Zolote-4 (government-controlled, 60km NW of Luhansk)	2km W	Heard 2 bursts (2 shots each)	HMG	29 March 11:18-11:27
	3-4km SW	Heard 21 bursts (2-8 shots each) and 5 shots		
	10km SW	Saw black plume of smoke rising	N/K	
Katerynivka (government-controlled, 64km W of Luhansk)	20km SSW	Heard 11 undetermined explosions (outside the disengagement area)	N/K	29 March 11:41-11:50
	5-7km SSW	Heard 10 undetermined explosions (outside the disengagement area)		
Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	3km SSW	Heard 5 explosions (impact)	N/K	29 March 11:49 – 11:52
	3km SSE	Heard 3 explosions (outgoing)		
Krasnyi Lyman (“LPR”-controlled, 30km NW of Luhansk)	10km+ W	Heard 15 explosions (7 undetermined, 5 impacts, and 3 outgoing)	Artillery (type N/K)	29 March, 11:55-12:15
Trokhizbenka (government-controlled, 32km NW of Luhansk)	5km S	Heard 4 undetermined explosions	N/K	29 March, 11:56
Putylyne (government-controlled 44km NW of Luhansk)	8km S	Heard 4 undetermined explosions	Artillery (type N/K)	29 March, 12:00-12:20
NE edge disengagement area in Zolote-4 (government-controlled, 60km NW of Luhansk)	10km SE	Heard 1 undetermined explosion	N/K	29 March, 12:12
Pervomaisk (“LPR”-controlled 58km W of Luhansk)	3km W	Heard 4 undetermined explosions	N/K	29 March, 12:12-12:17

Popasna (government-controlled, 69km W of Luhansk)	4-5km SSW	Heard 1 undetermined explosion	N/K	29 March, 12:14
S edge of Staryi Aidar (government-controlled 20km NW of Luhansk)	10km NE	Heard 13 undetermined explosions	N/K	29 March, 12:34-13:16

Map of Donetsk and Luhansk regions²



² The SMM is 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.)