Table of ceasefire violations as of 22 May 2017¹

SMM position	Location of	Observation	Type of weapon/ammunition	Date/time
SMM camera in	event 4-6km E	Decembed 5 undetermined explosions	N/K	21 May, 19:43-19:49
Avdiivka	4-0KIII L	Recorded 5 undetermined explosions	IV/IX	21 May, 19:51-19:54
(government-		Recorded 4 undetermined explosions		• .
controlled, 17km N		Recorded 1 undetermined explosion		21 May, 20:13
of Donetsk)	4-6km ESE	Recorded 1 undetermined explosion		21 May, 20:30
		Recorded 3 projectiles from S to N		21 May, 20:36
		Recorded 2 projectiles from N to S		21 May, 21:17
		Recorded 1 illumination Flare in vertical flight		21 May, 21:53
		Recorded 3 undetermined explosions		21 May, 21:54-21:59
		Recorded 1 undetermined explosion		21 May, 22:07
		Recorded 10 tracers from N to S		21 May, 22:10
		Recorded 3 undetermined explosions		21 May, 22:37
		Recorded 1 projectile from W to E]	22 May, 02:41
		Recorded 12 tracers from E to W]	22 May, 03:58
	3-5km SSE	Recorded 1 undetermined explosion		22 May, 09:28
		Recorded 1 undetermined explosion		22 May,18:26
		Recorded 1 undetermined explosion		22 May,18:30
		Recorded 1 undetermined explosion		22 May,18:33
	3-5km ESE	Recorded 1 undetermined explosion		22 May,18:37
		Recorded 1 undetermined explosion		22 May,18:38
		Recorded 1 undetermined explosion		22 May,18:39
CMM	4 CL NINE	Recorded 2 undetermined explosions	NI/IZ	22 May,18:40
SMM camera at Oktiabr mine (9km	4-6km NNE	Recorded 1 illumination flare in vertical flight	N/K	21 May, 20:26
NW of Donetsk)		Recorded 1 air burst		21 May, 20:26
		Recorded 3 undetermined explosions		21 May, 20:27-21:28
		Recorded 9 projectiles from E to W		21 May, 20:30-21:31
		Recorded 1 projectile from W to E		21 May, 20:32
		Recorded 15 tracers from W to E		21 May, 20:34
		Recorded 10 tracers from E to W		21 May, 20:34
		Recorded 1 projectile from W to E		21 May, 20:36
		Recorded 1 undetermined explosion		21 May, 20:36
		Recorded 1 illumination flare in		21 May, 20:37
		vertical flight		
		Recorded 1 undetermined explosion		21 May, 20:52
		Recorded 10 tracers from W to E	=	21 May, 20:56
		Recorded 1 illumination flare in vertical flight		21 May, 21:14
		Recorded 1 undetermined explosion		21 May, 21:22
		Recorded 1 projectile from E to W		21 May, 21:25
		Recorded 3 undetermined explosions	_	21 May, 21:40-21:47
		Recorded 1 undetermined explosion	4	21 May, 22:08
		Recorded 4 projectiles from W to E	4	21 May, 22:36
		Recorded 5 undetermined explosions	-	21 May, 22:38
		Recorded 3 projectiles from W to E Recorded 1 illumination flare in	4	21 May, 22:38
		vertical flight		21 May, 22:57
		Recorded 1 projectile from W to E	_	21 May, 22:57
		Recorded 10 tracers from E to W		21 May, 23:21

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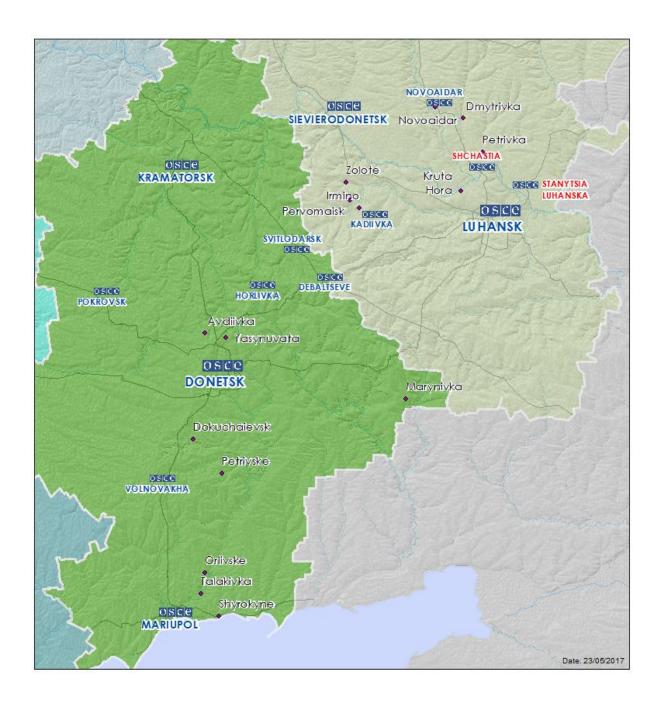
¹ The table only includes ceasefire violations directly observed by the SMM and it may include those also assessed to be live-fire exercises, controlled detonations, etc. Details provided – in terms of distance, direction, weapons-type, etc. – are based on assessments provided by monitors on the ground, 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.

F	T			
		Recorded 1 projectile from E to W	_	22 May, 01:14
		Recorded 2 projectiles from W to E Recorded 1 projectile from W to E	_	22 May, 02:30
		Recorded 4 projectiles from E to W	-	22 May, 02:41 22 May, 02:49
	3-4km NNE	Recorded 1 airburst		22 May, 08:14
SMM camera in	NE, N/K	Recorded 3 tracers from W to E	N/K	21 May, 21:09
Shyrokyne (20km E of Mariupol)	,	Recorded 1 rocket-assisted projectile from SW to NE		21 May, 21:11
or warrapor)		Recorded 4 tracers from W to E	-	21 May, 21:13
		Recorded 1 rocket-assisted projectile	1	21 May, 21:13 21 May, 21:24
		from SW to NE		
		Recorded 5 tracers from W to E		21 May, 22:20
		Recorded 1 undetermined explosion		21 May, 22:26
		Recorded 1 undetermined explosion	_	21 May, 22:29
		Recorded 1 rocket-assisted projectile from SW to NE		21 May, 22:43
		Recorded 2 tracers from W to E		21 May, 22:49
		Recorded 1 undetermined explosion		21 May, 23:00
		Recorded 2 tracers from W to E	_	21 May, 23:26
		Recorded 1 tracer from E to W	_	22 May, 00:07
		Recorded 1 undetermined explosion Recorded 2 tracers from E to W	1	22 May, 00:24 22 May, 01:26
		Recorded 2 tracers from E to W	-	22 May, 02:30
		Recorded 1 tracer from E to W		22 May, 02:47
"DPR"-controlled	8-15km NW	Heard 8 undetermined explosions	N/K	21 May, 21:34-21:40
Donetsk city centre		Heard 3 undetermined explosion	1	21 May, 21:47
		Heard 5 undetermined explosion		21 May, 21:57
		Heard 4 undetermined explosions		21 May, 22:02-22:05
		Heard 8 undetermined explosions		21 May, 22:30
		Heard 7 undetermined explosion]	21 May, 23:05
		Heard 4 undetermined explosions		22 May, 00:15
		Heard 2 undetermined explosions		22 May, 00:31
		Heard 5 undetermined explosions		22 May, 00:45
		Heard 5 undetermined explosions		22 May, 00:54-00:57
		Heard 1 undetermined explosion		22 May, 01:01
		Heard 2 undetermined explosions		22 May, 01:06
		Heard 6 undetermined explosions		22 May, 01:15
		Heard 2 undetermined explosions		22 May, 01:32
Horlivka ("DPR"- controlled, 39km NE	8km SW	Heard 1 undetermined explosion	N/K	21 May, 19:44
of Donetsk)	4-6km SW	Heard 10 bursts	Anti-aircraft cannon (ZU-23, 23mm)	21 May, 19:45
		Heard 2 explosions (outgoing)	N/K	21 May, 19:46
		Heard 6 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	21 May, 19:47
		Heard uncountable overlapping bursts	Small arms	21 May, 19:48-19:50
		and shots Heard 1 undetermined explosion	N/K	21 May, 19:58
		Heard 3 explosions (outgoing)	IFV (BMP-1) cannon	21 May, 19:59-20:02
		Heard uncountable overlapping bursts and shots	(73mm) Small arms	21 May, 20:03-20:06
		Heard 5 bursts	IFV (BMP-2) cannon (30mm)	21 May, 21:46
		Heard 3 bursts	Small arms	21 May, 21:55
		Heard 7 bursts	IFV (BMP-2) cannon	21 May, 22:27
		Heard 4 undetermined explosions	N/K	21 May, 22:28

SvitIodarsk (government-controlled, 35km NE of Donetsk)		7km NW	Heard uncountable overlapping bursts	Small arms	21 May, 22:34-22:41
Heard uncountable overlapping bursts and shots		/ KIII IN W		Sman arms	21 May, 22:54-22:41
Svitlodarsk Government Go		ı	Heard 5 explosions (outgoing)	` ′	21 May, 22:42
Svitlodarsk (government-controlled, 57km NE of Donetsk)		1		Small arms	21 May, 22:47-49
Heard 2 undetermined explosions		1	Heard 6 bursts		21 May, 22:52
Debaltseve ("DPR"- Controlled, 58km NE of Donetsk)	Svitlodarsk	7-10 km SW	Heard 1 undetermined explosion		21 May, 21:30
Debaltseve ("DPR" Controlled, 58km NE of Donetsk) Heard 21 explosions (outgoing) N/K		1	Heard 2 undetermined explosions	N/V	21 May, 21:55
Controlled, 58km NE of Donetsk Heard 21 subsequent explosions (impact)	of Donetsk)		Heard 100 undetermined explosions	IV/K	22 May, 03:00-04:30
Heard 2 Subsequent explosions	controlled, 58km NE	N/K NW	Heard 21 explosions (outgoing)	N/K	
Controlled, 16km NE of Donetsk Samilar	of Donetsk)	l			22 May, 03:52-04:13
Heard 19 bursts					
Heard 1 undetermined explosion N/K 22 May, 10:32 22 May, 10:50 22 May, 10:50 22 May, 10:51 23 May, 10:51 24 May 10:51 12 May, 10:52 12 May, 10:51 12 May, 10:52 12 May, 10:54 12 May, 10:55 12 May, 10:40 12 M	,	3-5km WSW		Small arms	22 May, 10:27-10:32
Heard 1 undetermined explosions 22 May, 10:50 22 May, 10:51 22 May, 10:51 12 May, 10:51 12 May, 10:51 12 May, 11:22-1 13 May, 11:22-1 14 May 12 May, 11:22-1 14 May 12 May, 11:22-1 12 M	of Donetsk)	1			22 May, 10:27-10:32
2-4km W		1		N/K	
Part Flact				_	
Heard 16 shots					22 May, 10:51-11:15
Heard 2 bursts		2-3km WSW	Heard 48 bursts	Small arms	22 May, 11:22-11:45
Heard 1 undetermined explosion		1	Heard 16 shots		22 May, 11:22-11:45
Heard 1 undetermined explosion		1	Heard 2 bursts	HMG	22 May, 11:22-11:45
2-3km W		1	Heard 1 undetermined explosion	N/K	
Heard 2 bursts 22 May, 12:03 22 May, 12:05-1		2-3km W	Heard 1 shot		
A-km W		1			
Heard 2 undetermined explosions		3-4km W			22 May, 12:05-12:07
Heard 5 shots				N/K	22 May, 12:05-12:07
Heard 5 undetermined explosions		1			22 May, 12:09-12:13
2-4km W		1			22 May, 12:10-12:14
Heard 4 undetermined explosions 22 May, 12:55-1		2-4km W		- " - "	
3-5km NW Heard 1 shot Small arms 22 May, 13:30 5-7km NW Heard 1 undetermined explosion 2-4km W Heard 3 undetermined explosions Heard 32 undetermined explosions 22 May, 14:00-1 22 May, 14:28-1 22 May, 14:28-1 4-5km ESE Heard and saw 8 explosions (impacts) Heard 37 undetermined explosions (impacts) Heard 37 undetermined explosions (impacts) E edge of Talakivka (government controlled, 17km NE of Mariupol) Novotroitske (government controlled, 36km SW of Donetsk) 2-3km N Heard 2 airbursts Heard 37 undetermined explosions Heard 33 undetermined explosions N/K 22 May, 10:40-1 22 May, 10:55-1 22 May, 10:40-1 23 May, 10:40-1 24 May, 10:40-1 25 May, 10:40-1 26 May, 10:40-1 27 May, 10:40-1 28 May, 10:40-1 29 May, 10:40-1 40 May, 10:					22 May, 12:55-13:10
S-7km NW Heard 1 undetermined explosion 2-4km W Heard 3 undetermined explosions Heard 3 undetermined explosions 22 May, 14:00-1 22 May, 14:28-1 22 May, 14:28-1 22 May, 10:40-1 22 May, 10:55-1 22 May, 10:40-1 22 May, 10:55-1 22 May, 10:55-1 22 May, 10:40-1 23 May, 10:40-1 24 May, 10:40-1 44 May, 10:40-		3-5km NW	•	Small arms	
2-4km W Heard 3 undetermined explosions 22 May, 14:00-1					
N edge of Orlivske (government controlled, 23km NE of Mariupol) E edge of Talakivka (government controlled, 17km NE of Mariupol) Novotroitske (government controlled, 36km SW of Donetsk) 1.22 May, 10:40-10 Heard 32 undetermined explosions (impacts) Heard and saw 8 explosions (impacts) Heard and saw 10 explosions (impacts) Heard 37 undetermined explosions (impacts) Heard 2 explosions (outgoing) N/K Heard 33 undetermined explosions N/K 22 May, 10:40-10 N/K 22 May, 10:40-10 N/K 22 May, 10:40-10 N/K 22 May, 10:40-10 N/K 4-Skm ESE Heard 37 undetermined explosions N/K 1.5-2km SSW Heard 2 explosions (outgoing) N/K 4-Skm ESE Heard 37 undetermined explosions N/K 22 May, 10:40-10 N/K 22 May, 10:40-10 N/K 22 May, 10:40-10 N/K 4-Skm ESE Heard 33 undetermined explosions N/K 4-Skm ESE Heard 37 undetermined explosions N/K 22 May, 10:40-10 N/K 22 May, 11:12-10 N/K Heard 6 explosions (impacts) N/K				- 1772	
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of Mariupol) Heard 37 undetermined explosions 1.5-2km SSW Heard 2 explosions (outgoing) E edge of Talakivka (government controlled, 17km NE of Mariupol) Novotroitske (government controlled, 36km SW of Donetsk) 2.2km SW of Pyshchevyk Heard 4 undetermined explosions N/K 22 May, 10:55-16 22 May, 10:55-17 N/K 22 May, 10:40-17 22 May, 10:40-17 22 May, 10:40-17 22 May, 11:12-17 22 May, 11:12-17 23 May, 11:12-17 24 May, 10:55-17 25 May, 10:55-17 26 May, 10:55-17 27 May, 10:55-17 28 May, 10:55-17 29 May, 10:40-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 21 May, 10:55-17 22 May, 10:40-17 22 May, 10:40-17 23 May, 11:12-17 24 May, 10:55-17 25 May, 10:55-17 26 May, 10:55-17 27 May, 10:40-17 28 May, 10:40-17 29 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 21 May, 10:40-17 22 May, 10:40-17 22 May, 11:12-17 23 May, 11:12-17 24 May, 10:40-17 25 May, 10:40-17 26 May, 10:40-17 27 May, 10:40-17 28 May, 10:40-17 29 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 21 May, 10:40-17 22 May, 10:40-17 22 May, 11:12-17 23 May, 10:40-17 24 May, 10:40-17 25 May, 10:40-17 26 May, 10:40-17 27 May, 10:40-17 28 May, 10:40-17 29 May, 10:40-17 20 May, 10:40-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 20 May, 11:12-17 21 May, 10:40-17 22 May, 10:40-17 22 May, 10:40-17 22 May, 11:12-17 23 May, 10:40-17 24 May, 10:40-17 25 May, 10:40-17 26 May, 10:40-17 27 May, 10:40-17 28 May, 10:40-17 29 May, 10:40-17 20 May, 10:40-17 21 May, 10:40-17 22 May, 10:40-17 22 May, 10:40-17 23 May, 10:40-17 24 May, 10:40-17 25 May, 10:40-17 26 May, 10:40-17 27 May, 10:40-17 28 May, 10:40-17 29 May, 10:40-17 20 May, 10:40-17			I		
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(government controlled, 36km SW of Donetsk) 2.2km SW of Pyshchevyk Heard 4 undetermined explosions N/K Pyshchevyk Heard 4 undetermined explosions N/K	* '	2-3km N	Heard 2 airbursts	N/K	
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of Donetsk) 2.2km SW of N/K NW Heard 4 undetermined explosions N/K Pyshchevyk		1			22 May, 11:12- 11:15
2.2km SW of N/K NW Heard 4 undetermined explosions N/K Pyshchevyk		1			
Pyshchevyk		N/K NW	Heard 4 undetermined explosions	N/K	
		i			
	(government-	N/K S	Heard 2 bursts	Small arms	22 May, 11:35- 11:40
controlled, 25km NE	controlled, 25km NE	-			
of Mariupol)					
0.5km SSW of 5-6km E Saw 1 explosion (impact) N/K		5-6km E	Saw 1 explosion (impact)	N/K	
Orlivske		i			
(government- 22 May, 11:55		1			22 May, 11:55
controlled, 23km NE	*	1			
of Mariupol)					
Dokuchaievsk 1-3km SSW Heard 1 undetermined explosion N/K 22 May, 12:01	Dokuchaievsk	1-3km SSW	Heard 1 undetermined explosion	N/K	22 May, 12:01

("DPR"-controlled, 30km SW of Donetsk		Heard 5 shots	Small arms	22 May, 12:10
2.3km E of Donetsk city centre ("DPR"- controlled)	3-5km N	Heard 1 explosion (outgoing)	N/K	22 May, 14:00
1.5km W of Zolote-4 (government- controlled, 60km NW of Luhansk)	A Class CW	Heard 7 explosions (assessed as outside the disengagement area)	AGL (type N/K)	22 May, 08:15-08:25
	4-6km SW	Heard 8 bursts (assessed as outside the disengagement area)	Heavy machine-gun	
Irmino ("LPR"- controlled, 54km W of Luhansk)	5km SW	Heard 20 explosions (outgoing)	N/K	22 May, 08:20-08:30
		Heard 2 bursts	Heavy machine-gun or anti-aircraft gun (ZU-23)	
NW edge of Pervomaisk ("LPR"- controlled, 58km W of Luhansk)	5km SW	Heard 8 explosions (outgoing) (assessed as outside the disengagement area)	Artillery (type N/K)	22 May, 08:34-08:44
Stanytsia Luhanska ("LPR"-controlled side, 16km NE of Luhansk)	5+km N	Heard 3 undetermined explosions (assessed as outside the disengagement area)	N/K	22 May, 15:47

Map of Donetsk and Luhansk regions²



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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 2016 based on recommendations of security experts from participating States.)