SMM position	Location of event	Observation	Type of weapon/ammu nition	Date/time
Donetsk central railway station		Heard 1 undetermined explosion	N/K	20 July, 09:25
("DPR"-	2-4km N	Heard 7 bursts	Small arms	20 July, 09:40
controlled, 6km NW of Donetsk		Heard 4 undetermined explosions	N/K	20 July, 10:50
city centre)	3-5km N	Heard 1 undetermined explosion		20 July, 11:50
Trudovskyi area ("DPR"- controlled, 23km WSW of Donetsk city centre)	1km SSW	Heard 2 undetermined explosions	N/K	20 July, 17:53
Yasynuvata ("DPR"-	3-5km SSE	Heard 6 bursts	HMG	20 July, 10:50
controlled,	3-5km SE	Heard 4 bursts		20 July, 10:55
16km NE of Donetsk)	3-5km W	Heard 1 undetermined explosion	N/K	20 July, 11:02
	3-5km NW	Heard 1 undetermined explosion		20 July, 11:15
	3-5km SE	Heard 7 bursts	Small arms	20 July, 11:17
Avdiivka (government- controlled, 17km N of Donetsk)	2-4km E	Heard 1 undetermined explosion		20 July, 11:44
	2-4km ESE	Heard 1 undetermined explosion	N/K	20 July, 11:49
W of Debaltseve ("DPR"- controlled, 58km NE of Donetsk)	8-10km NW	Heard 2 undetermined explosions	N/K	20 July, 09:50- 10:00
SMM camera in Shyrokyne (20km E of Mariupol)		Recorded 2 tracers from E to W		19 July, 21:08
	N/K N	Recorded 17 tracers from W to E Recorded 5 tracers from E to W	N/K	19 July, 21:14- 21:15

## Table of ceasefire violations as of 20 July 2017<sup>1</sup>

<sup>&</sup>lt;sup>1</sup> 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 1 rocket-assisted	
projectile from E to W	
Recorded 17 tracers from W	19 July, 21:16
to E	
Recorded 2 tracers from W	
to E	
Recorded 5 tracers from E	19 July, 21:18-
to W	21:19
Recorded 2 rocket-assisted	21.17
projectiles from E to W	
Recorded 1 rocket-assisted	19 July, 21:25
projectile from E to W	
Recorded 3 rocket-assisted	
projectiles from E to W	19 July, 21:26
(followed by 3 subsequent	19 July, 21.20
explosions)	
Recorded 2 tracers	
Recorded 1 rocket-assisted	19 July, 21:39
projectile from E to W	,,
Recorded 150 tracers from	19 July, 21:33-
W to E	21:34
Recorded 1 tracer from W to	21.34
E	19 July, 21:38
Recorded 7 tracers from E	5,
to W	
Recorded 1 undetermined	19 July, 21:44
explosion	
Recorded 7 tracers from E	
to W	10 I-1 01-49
Recorded 1 undetermined	19 July, 21:48
explosion	
Recorded 21 tracers from W	19 July, 21:49
to E	19 July, 21.49
Recorded 1 rocket-assisted	
projectile from W to E	19 July, 21:50
Recorded 1 undetermined	5,
explosion	
Recorded 2 tracers from W	
to E	19 July, 21:53
Recorded 1 undetermined	19 July, 21.55
explosion	
Recorded 27 tracers from W	
to E	19 July, 22:02-
Recorded 3 tracers from E	22:04
to W	22.07
	10 July 22.12
Recorded 2 tracers from E	19 July, 22:12
to W	
Recorded 5 tracers from W	19 July, 22:19
to E	

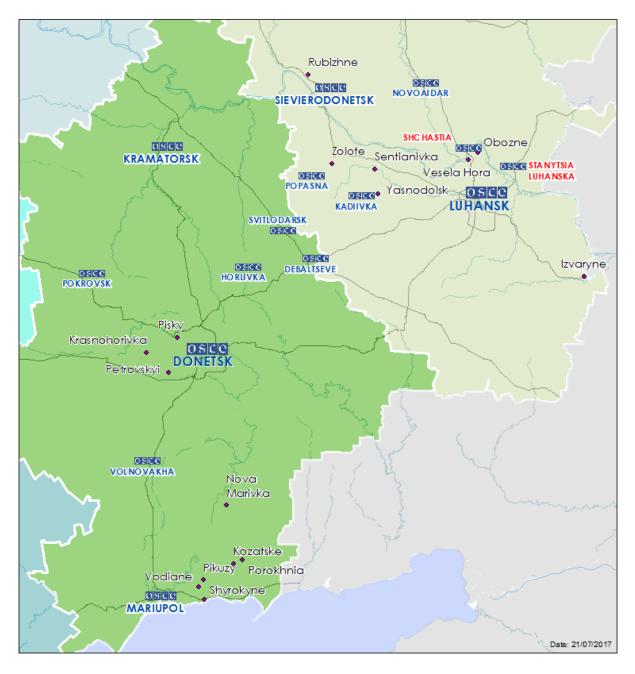
Recorded 4 tracers from E to W19 July, 22:22Recorded 15 tracers from W to E19 July, 22:26- 22:29Recorded 2 tracers from W to E19 July, 22:43Recorded 15 tracers from W to E19 July, 22:53- 22:55Recorded 5 tracers from E to W22:55Recorded 34 tracers from W to E19 July, 22:53- 22:55Recorded 34 tracers from W to E19 July, 23:01- 23:05Recorded 25 tracers from W to E19 July, 23:01- 23:05Recorded 25 tracers from W to E19 July, 23:10- 23:12
to E22:29Recorded 2 tracers from W19 July, 22:43to E19 July, 22:43Recorded 15 tracers from W19 July, 22:53-Recorded 5 tracers from E22:55to W19 July, 22:53-Recorded 34 tracers from W19 July, 23:01-Recorded 3 tracers from E23:05to W19 July, 23:01-Recorded 25 tracers from W19 July, 23:10-
to E22:29Recorded 2 tracers from W19 July, 22:43to E19 July, 22:43Recorded 15 tracers from W19 July, 22:53-Recorded 5 tracers from E22:55to W19 July, 22:53-Recorded 34 tracers from W19 July, 23:01-Recorded 3 tracers from E23:05to W19 July, 23:01-Recorded 25 tracers from W19 July, 23:10-
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to E19 July, 22:53-Recorded 15 tracers from E22:55to W22:55to W19 July, 22:53-Recorded 5 tracers from E22:55to W19 July, 23:01-Recorded 3 tracers from E23:05to W19 July, 23:10-Recorded 25 tracers from W19 July, 23:10-
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to E19 July, 23:01-Recorded 3 tracers from E to W23:05Recorded 25 tracers from W19 July, 23:10-
Recorded 3 tracers from E to W23:05Recorded 25 tracers from W19 July, 23:10-
to W19 July, 23:10-
to E
to E 23:12
Recorded 1 rocket-assisted
projectile from E to W 19 July, 23:22
Recorded 2 tracers from W
to E
Recorded 2 tracers from E
to W
Recorded 9 tracers from E 19 July, 23:38-
to W 23:40
Recorded 2 undetermined 19 July, 23:42
explosions
Recorded 7 tracers from E 20 July, 00:02
to W
Recorded 20 tracers from E 20 July, 00:07
to W
Recorded 1 rocket-assisted 20 July, 00:21
projectile from w to E
Recorded 3 tracers from W
to E 20 July, 00:22
Recorded 3 tracers from E
to W
Recorded 1 tracer from W to
E 20 July, 00:30-
Recorded 5 tracers from E 00:31
to W
Recorded 1 rocket-assisted
projectile from W to E 20 July, 00:32
Recorded 4 tracers from W
to E 20 July, 00:33
Recorded 6 tracers from E
to W
Recorded 1 rocket-assisted
projectile from W to E 20 July, 00:34

to W		
Recorded 4 tracers from W		
to E		20 July, 00:37
Recorded 4 tracers from E		20 July, 00.57
to W		
Recorded 2 tracers from W		20 July, 00:38
to E		J /
Recorded 5 tracers from E		20 July, 00:39
to W		20 July, 00.37
Recorded 1 tracer from W to	·	
E		
		20 July, 00:42
Recorded 1 tracer from E to		•
W		
Recorded 8 tracers from W		
to E		20 July, 00:43-
Recorded 7 tracers from E		00:44
to W		
Recorded 14 tracers from W		20 July, 00:55-
to E		00:56
Recorded 3 tracers from W		- ·
to E		
Recorded 4 tracers from E		20 July, 01:11
to W		
Recorded 1 rocket-assisted		20 July, 01:15
projectile from E to W		
Recorded 1 tracer from W to		
E		20 July, 01:16
Recorded 3 tracers from E		20 July, 01.10
to W		
Recorded 3 tracers from E		20 July, 01:18
to W		
Recorded 1 tracer from W to		
E		
Recorded 10 tracers from E		20 July, 01:57
to W		
Recorded 1 tracer from W to		
E Described 7 to some Frank Frank		20 July, 01:58
Recorded 7 tracers from E		•
to W		••••
Recorded 10 tracers from E		20 July, 02:34
to W		
Recorded 8 tracers from E		20 July, 02:37
to W		
Recorded 6 tracers from E		20 July, 02:53
to W		J /
Recorded 4 tracers from E		20 July, 03:15
to W		_0 0 arg, 00.10
Recorded 1 tracer from E to		20 July 02.17
		20 July, 03:17
W		

<b></b>			1	
		Recorded 1 tracer in vertical flight		20 July, 03:24-
		Recorded 1 illumination flare in vertical flight		03:27
		Recorded 1 tracer from W to E		20 July, 03:28
		Recorded 1 tracer from E to W		20 July, 03:46
2.2km SE of	N/K NE	Heard 1 undetermined		20 July, 10:10
Lebedynske		explosion		20 I-1- 10-20
(government- controlled,	N/K E	Heard 1 undetermined explosion	N/K	20 July, 10:30
16km NE of		explosion		
Mariupol)				
Horlivka	5-6km	Heard 2 bursts	Crea all arread	19 July, 20:59
("DPR"-	NW	Heard 2 bursts	Small arms	19 July, 21:28
controlled,	8-10km	Heard 1 undetermined	N/K	19 July, 21:49
39km NE of	NW	explosion		
Donetsk)	5-6km	Heard 3 shots		19 July, 21:52
	NW		Small arms	20 J. 1. 14 45
0.11.1.1	5-6km W	Heard 8 bursts		20 July, 14:45
Svitlodarsk		Heard 5 undetermined	N/K	19 July, 20:35- 20:54
(government- controlled,		explosions Heard 9 undetermined		19 July, 21:11-
57km NE of		explosions		21:26
Donetsk)		Heard 5 bursts	Small arms	19 July, 21:31
		Heard 14 undetermined		
		explosions	N/K	19 July, 21:39
		Heard 1 burst	Small arms	10 July 21.41
		Heard 16 shots	HMG	— 19 July, 21:41
		Heard 2 undetermined		
		explosions		19 July, 21:42
	3-5km SE	Heard 4 bursts	Small arms	
		Heard 4 bursts	HMG	10 1-1-21-44
		Heard 2 undetermined	N/K	19 July, 21:44
		explosions Heard 5 bursts	Small arms	19 July, 21:45
		Heard 11 undetermined		19 July, 21.45
		explosions	N/K 19 J	19 July, 21:47
		Heard 2 bursts	HMG	
		Heard 6 undetermined		
		explosions	N/K	19 July, 21:48
		Heard 5 bursts	HMG	
		Heard 11 undetermined	N/K	19 July, 21:49
		explosions		
		Heard 17 bursts	Small arms	— 19 July, 21:51
		Heard 10 bursts	HMG	, ,
		Heard 12 undetermined	N/K	19 July, 21:52
		explosions		

	T		T	
		Heard 6 undetermined		10 1 1 01 55
		explosions		19 July, 21:55
		Heard 7 bursts	Small arms	
		Heard 7 bursts	HMG	19 July, 21:56
		Heard 1 undetermined explosion	N/K	19 July, 21:57
		Heard 15 shots	HMG	19 July, 21:58
		Heard 3 bursts	Small arms	19 July, 22:02
		Heard 2 undetermined		
		explosions	N/K	19 July, 22:03
		Heard 6 bursts	Small arms	19 July, 22:07
		Heard 4 undetermined		
		explosions	N/K	19 July, 22:08
		Heard 3 bursts	HMG	19 July, 22:12
		Heard 2 bursts	Small arms	19 July, 22:14
		Heard 5 undetermined	NT /17	•
		explosions	N/K	19 July, 22:16
		Heard 3 bursts	Small arms	19 July, 22:17
		Heard 8 undetermined		· · · · ·
		explosions	NT /TZ	19 July, 22:18
		Heard 6 undetermined	N/K	10 1 1 00 01
		explosions		19 July, 22:21
		Heard 7 bursts	Small arms	19 July, 22:47
		Heard 3 bursts	HMG	19 July, 22:53
		Heard 6 bursts	G 11	19 July, 23:01
		Heard 2 bursts	Small arms	
		Heard 4 bursts	HMG	— 19 July, 23:04
		Heard 8 undetermined		10 1 1 02 00
		explosions	N/K	19 July, 23:29
		Heard 6 bursts	HMG	20 July, 00:54
		Heard 6 bursts	Small arms	20 July, 00:56
		Heard 2 undetermined		20 1-1-2 01-12
		explosions	NI/V	20 July, 01:12
		Heard 1 undetermined	N/K	20 July 01.22
		explosion		20 July, 01:32
		Heard 2 bursts	Small arms	20 July, 01:33
	2-3km SE	Heard 3 undetermined		20 July, 01:43
	2-JKIII SE	explosions		20 July, 01.45
	3-5km SE	Heard 1 undetermined	N/K	20 July, 02:05
	2-3km SE	explosion	IN/ K	
		Heard 1 undetermined		20 July, 15:33
		explosion		20 July, 15.55
SMM camera		Recorded 2 projectiles from		
in Zolote		NW to SE (assessed as		18 July, 23:40
(government-		outside the disengagement		100001, 20110
controlled,	3km E	area)	N/K	
60km W of		Recorded 1 projectile from		10 1 1 00 00
Luhansk)		NW to SE (assessed as		19 July, 00:27
		outside the disengagement		

		area)		
Popasna	5-8km SSE	Heard 145 bursts	HMG	
(government- controlled, 69km W of Luhansk)		Heard 50 undetermined explosions	N/K	19-20 July, 23:20-00:55
400m SSE of Stanytsia Luhanska bridge (16km NE of Luhansk)	5 101	Heard 9 undetermined explosions (assessed as outside the disengagement area)		20 July, 13:41- 14:19
	5-10km NW	Heard 2 explosions (impacts) and saw black smoke rising (assessed as outside the disengagement area)	N/K	
	1-2km W	Heard 4 shots (unable to assess whether inside or outside the disengagement area) Heard 1 shot (unable to assess whether inside or outside the disengagement area)	- Small arms	20 July, 13:56 20 July, 14:16



Map of Donetsk and Luhansk regions<sup>2</sup>

<sup>&</sup>lt;sup>2</sup> 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.)