Table of ceasefire violations as of 19 July 2017<sup>1</sup>

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Zolote (government- controlled, 60km NW of Luhansk)	3-4km E	Recorded 1 projectile from N to S (assessed as outside disengagement area)	- N/K	17 July, 23:20
	4-5km ENE	Recorded 1 undetermined explosion (assessed as outside disengagement area)		18 July, 00:49
	5-6km SW	Heard 1 explosion (outgoing)	Artillery (type N/K)	18 July, 18:23
	6-8km N	Heard 1 undetermined explosion	N/K	18 July, 18:55
	5 d	Heard 1 burst	AGL	10.7.1. 10.7.6
	5-6km SW	Heard 1 burst	HMG	18 July, 18:56
		Heard 6 undetermined explosions		18 July, 18:57
	6-8km N	Heard 1 undetermined explosion	1	18 July, 18:58
		Heard 1 undetermined explosion	N/K	18 July, 18:59
	8-10km N	Heard 1 undetermined explosion		18 July, 19:03
	8-10km NW	Heard 2 undetermined explosions		18 July, 19:08
Horlivka ("DPR"-	O TORRITTO	Heard 2 bursts		18 July, 19:22
controlled, 39km NE	5-6km SW	Heard 3 bursts	Small arms	18 July, 19:25
of Donetsk)	6-8km N	Heard 1 undetermined explosion	N/K	18 July, 19:28
	5-6km SW	Heard 1 burst	HMG	18 July, 19:33
		Heard 3 bursts	Anti-aircraft cannon (ZU-23, 23mm)	18 July, 19:59
		Heard 2 bursts	Small arms	18 July, 20:00
	8-9km NW	Heard 2 explosions (outgoing)	Mortar (type N/K)	18 July, 20:04
	7-8km NW	Heard 2 bursts	Small arms	18 July, 20:05
	8-10km SW	Heard 2 undetermined explosions	N/K	18 July, 20:15
	3km SW	Heard 1 shot	Small arms	18 July, 21:20
	4-5km SE	Heard 3 undetermined explosions	N/K	18 July, 19:20
		Heard 5 bursts	HMG	18 July, 19:25
		Heard 2 undetermined explosions	N/K	18 July, 19:47
	5-7km SE	Heard 1 burst		18 July, 19:48
	3-5km SE	Heard 2 bursts	HMG	18 July, 19:54
	5-7km SE	Heard 2 undetermined explosions		18 July, 19:59
Svitlodarsk	4-5km SE	Heard 4 undetermined explosions	N/K	18 July, 21:02
(government-	3-4km SE	Heard 2 bursts	Small arms	18 July, 21:06
controlled, 57km NE of Donetsk)	4-5km SE	Heard 2 undetermined explosions Heard 2 bursts	N/K Small arms	18 July, 21:07
of Dolletsk)	4-JKIII SE	Heard 6 shots	HMG	
	3-4km SE	Heard 4 bursts	Small arms	18 July, 21:08
	4-5km SE	Heard 5 bursts	HMG	18 July, 21:09
		Heard 1 undetermined explosion	N/K	18 July, 21:10
	3-4km SE	Heard 3 bursts	Small arms	18 July, 21:11
	4-5km SE	Heard 3 undetermined explosions	N/K	18 July, 21:13
	3-4km SE	Heard 6 bursts	Small arms	18 July, 21:15

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<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.

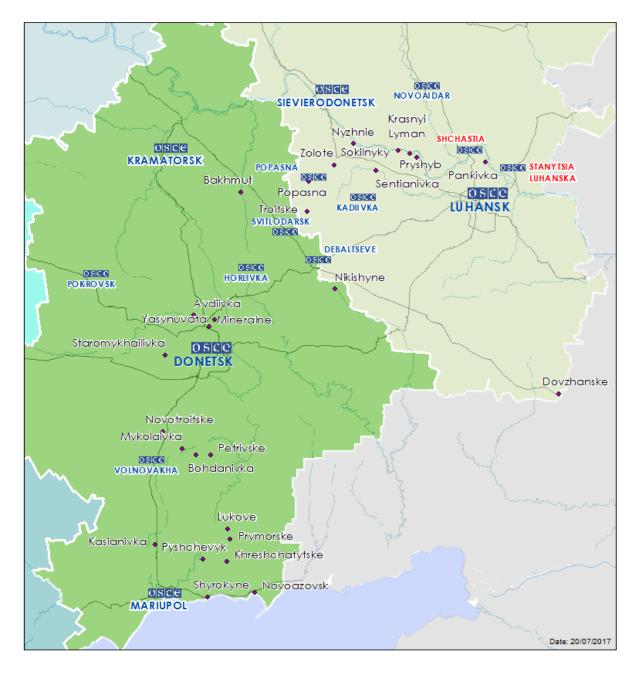
Heard   Indectemined explosion   N/K   18 July, 2123		T.	T ==	T	T
Hend   Subst   Subst   Hend   Subst   Subst   Hend   Subst   Hend   Subst   Hend   Subst   Subst   Hend   Subst   Sub		4-5km SE	•		
1.5-4km St					
A-5km SF		3 Alem SE	Heard 2 undetermined explosions	N/K	18 July, 21:25
3-4km SE		3-4KIII SE	Heard 3 bursts	Small arms	18 July, 21:27
3-4km SE		4-5km SE	Heard 2 undetermined explosions		
4-5km SE			*		
Heard 10 bursts   Heard 2 bursts   Heard 3 bursts   Heard 4 bursts   Heard 4 bursts   Heard 6 bursts   Heard 1 bursts   Heard 2 bursts   Heard 1 bursts   Heard 2 bursts   Heard 1 bursts   Heard 2 bursts   Heard 2 bursts   Heard 3 bursts   Heard 5 bursts   Heard 5 bursts   Heard 5 bursts   Heard 6 bursts   Hea					
3-4km SE   Heard 2 bursts   Hawd   Heard 1 bursts   Hawd   Heard 5 bursts   Heard 6 bursts   Heard 1 bursts   Heard 2 bursts   Heard 2 bursts   Heard 2 bursts   Heard 6 bursts   Small arms   18 July, 22:06   Heard 2 bursts   Heard 5 bursts   Small arms   18 July, 22:06   Heard 2 bursts   Small arms   18 July, 22:07   Heard 2 bursts   Small arms   18 July, 22:07   Heard 2 bursts   Small arms   18 July, 22:07   Heard 2 bursts   Small arms   18 July, 22:18   Heard 2 bursts   Small arms   18 July, 22:15   Heard 2 bursts   Small arms   18 July, 22:15   Heard 2 bursts   Small arms   18 July, 22:25   Heard 2 bursts   Small arms   18 July, 22:25   Heard 2 bursts   Small arms   18 July, 22:26   Heard 3 bursts   Hud 1 bursts   Small arms   18 July, 22:26   Heard 3 bursts   Heard 3 bursts   Small arms   18 July, 22:37   Heard 3 bursts   Heard 3 bursts   Small arms   18 July, 22:36   Heard 3 bursts   Heard 3 bursts   Small arms   18 July, 22:36   Heard 3 bursts   Heard 3 bursts   Small arms   18 July, 22:36   Heard 3 bursts   Small arms   18 July, 22:36   Heard 3 bursts   Heard 4 bursts   Heard 3 bursts   Heard 4 bursts   Heard 5 bursts   Heard 6 bursts   Heard 6 bursts   Heard 6 bursts   Heard 6 bursts   Hud 6 bursts   Hud 7 bursts   Heard 1 bursts   Hud 8 bursts   Hud 9 bursts   Hud 9 bursts   Hud 1 bursts   Hud 9 bursts   Hud 1 bursts		4-JKIII JL		11/10	
Heard 1 undetermined explosions   18 July, 21439		2.41 00			
Heard 6 undetermined explosions   NK   18 July, 21:42		3-4km SE			
Heard 6 undetermined explosions   18 July, 21:45					
Heard of bursts   Hard of bursts   HMG   18 July, 2:148		4-5km SE		N/K	
Heard 6 bursts   Heard 6 bursts   Heard 6 undetermined explosions   Heard 1 bursts   Heard 1 bursts   Heard 1 bursts   Heard 5 bursts   Heard 1 bursts   Small arms   Heard 1 bursts   Heard 1 bursts   Small arms   Heard 1 bursts   Heard 1 undetermined explosions   Heard 1 bursts   Small arms   Heard 1 bursts   Heard 2 undetermined explosions   HMG   Heard 1 bursts   HMG   HM			Heard 6 undetermined explosions		18 July, 21:45
Heard 6 bursts		3-4km SE	Heard 1 bursts	IIMC	18 July, 21:48
Heard 6 bursts		6-8km NE	Heard 6 bursts	HMG	18 July, 21:51
Heard 6 undetermined explosions   Heard 16 bursts			Heard 6 bursts	Small arms	
Heard 2 bursts					18 July, 21:57
Heard 5 bursts   18 July, 22:01		3-4km SE		→ N/K	
Heard 5 bursts					18 July, 21:59
Heard 3 undetermined explosions   Heard 10 bursts   Small arms   18 July, 22:06			1	— Small arms	10.1.1.22.01
Heard 10 bursts					-
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Heard 3 bursts   Small arms   15 July, 22:35     Heard 5 undetermined explosions   N/K   18 July, 22:36     Heard 3 undetermined explosions   N/K   18 July, 22:45     Heard 3 undetermined explosions   N/K   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 22:45     Heard 2 undetermined explosions   N/K   18 July, 22:45     Heard 2 bursts   Small arms   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 23:07     Heard 5 undetermined explosions   N/K   18 July, 23:12     Heard 4 bursts   Small arms   18 July, 23:16     Heard 3 bursts   Small arms   18 July, 23:25     Heard 4 bursts   HMG   18 July, 23:32     Heard 2 undetermined explosions   N/K   18 July, 23:33     Heard 2 undetermined explosions   N/K   18 July, 23:39     Heard 3 bursts   Small arms   18 July, 23:39     Heard 3 bursts   Small arms   18 July, 23:37     Heard 3 bursts   Small arms   18 July, 23:47     Heard 4 bursts   HMG   18 July, 23:57     Heard 4 bursts   HMG   18 July, 23:57     Heard 4 bursts   HMG   18 July, 23:57     Heard 4 bursts   HMG   19 July, 00:19     Heard 5 bursts   HMG   19 July, 00:20     Heard 6 bursts   HMG   19 July, 00:21     Heard 7 sudetermined explosions   N/K   19 July, 00:33     Heard 1 undetermined explosions   N/K   19 July, 00:33     Heard 2 undetermined explosions   N/K   19 July, 00:33     Heard 6 bursts   HMG   19 July, 00:33     Heard 1 undetermined explosions   N/K   19 July, 00:37     Heard 5 bursts   HMG   19 July, 00:37     Heard 6 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 5 bursts   Small arms   19 July, 00:40     Heard 6 bursts   Small arms   19 July, 00:40     Heard 7 shots   Heard 7 shots   Small arms   19 July, 01:26			Heard 4 undetermined explosions	N/K	18 July, 22:32
Heard 5 undetermined explosions   N/K   18 July, 22:36     Heard 8 bursts   Small arms   15 July, 22:40     Heard 3 bursts   Small arms   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 22:50     Heard 3 bursts   Small arms   18 July, 23:07     Heard 5 undetermined explosions   N/K   18 July, 23:12     Heard 2 bursts   Small arms   18 July, 23:16     Heard 2 bursts   Hard 4 bursts   Hard 4 bursts   Hard 4 bursts   Hard 2 undetermined explosions   N/K   18 July, 23:35     Heard 3 bursts   Small arms   18 July, 23:37     Heard 3 bursts   Small arms   18 July, 23:39     Heard 4 bursts   Small arms   18 July, 23:46     Heard 3 bursts   Small arms   18 July, 23:46     Heard 3 bursts   Small arms   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:57     Heard 1 undetermined explosions   N/K   19 July, 00:04     Heard 6 bursts   Small arms   19 July, 00:19     Heard 2 bursts   HMG   19 July, 00:20     Heard 4 undetermined explosions   N/K   19 July, 00:21     Heard 5 bursts   Small arms   19 July, 00:22     Heard 5 undetermined explosions   N/K   19 July, 00:32     Heard 5 undetermined explosions   N/K   19 July, 00:33     Heard 1 undetermined explosions   N/K   19 July, 00:33     Heard 2 undetermined explosions   N/K   19 July, 00:37     Heard 3 bursts   Small arms   19 July, 00:37     Heard 4 bursts   Small arms   19 July, 00:40     Heard 5 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 6 bursts   Small arms   19 July, 00:40     Heard 7 shots   HMG   19 July, 00:40     Heard 7 shots   Hard 7 shots   19 July, 01:26			Heard 3 bursts	Small arms	
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Heard 3 undetermined explosions   N/K   18 July, 22:45     Heard 3 bursts   Small arms   18 July, 22:50     Heard 3 bursts   Small arms   18 July, 22:50     Heard 3 bursts   Small arms   18 July, 23:07     Heard 5 undetermined explosions   N/K   18 July, 23:12     Heard 3 bursts   Small arms   18 July, 23:12     Heard 4 bursts   Hard   18 July, 23:25     Heard 9 bursts   Hard   18 July, 23:35     Heard 9 bursts   Small arms   18 July, 23:35     Heard 1 undetermined explosions   N/K   18 July, 23:37     Heard 2 undetermined explosions   N/K   18 July, 23:39     Heard 3 bursts   Small arms   18 July, 23:39     Heard 3 bursts   HMG   18 July, 23:46     Heard 3 bursts   HMG   18 July, 23:47     Heard 3 bursts   HMG   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:57     Heard 6 bursts   HMG   19 July, 00:04     Heard 6 bursts   HMG   19 July, 00:21     Heard 6 bursts   HMG   19 July, 00:22     Heard 6 bursts   HMG   19 July, 00:23     Heard 5 bursts   HMG   19 July, 00:37     Heard 6 bursts   HMG   19 July, 00:37     Heard 8 shots   HMG   19 July, 00:37     Heard 9 bursts   HMG   19 July, 00:37     Heard 1 shots   Small arms   19 July, 00:37     Heard 2 bursts   HMG   19 July, 00:37     Heard 3 bursts   Small arms   19 July, 00:37     Heard 1 bursts   Small arms   19 July, 00:37     Heard 2 bursts   Small arms   19 July, 00:37     Heard 3 bursts   Small arms   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:40     Heard 8 burst   Hard 9 July, 00:40     Heard 9 bursts   Small arms   19 July, 00:40     Heard 1 shorts   Small arms   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 1 shorts   Small arms   19 July, 00:40     Heard 2 undetermined explosions   N/K   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 5 bursts   Small arms   19 July, 00:40     Heard					
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Heard 2 bursts   HMG   18 July, 23:25     Heard 4 bursts   Small arms   18 July, 23:32     Heard 9 bursts   Small arms   18 July, 23:35     Heard 2 undetermined explosions   N/K   18 July, 23:37     Heard 3 bursts   Small arms   18 July, 23:39     Heard 2 undetermined explosions   N/K   18 July, 23:39     Heard 3 bursts   Small arms   18 July, 23:46     Heard 3 bursts   HMG   18 July, 23:47     Heard 3 bursts   Small arms   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:57     Heard 1 undetermined explosions   N/K   19 July, 00:04     Heard 6 bursts   Small arms   19 July, 00:19     Heard 2 bursts   HMG   19 July, 00:20     Heard 4 undetermined explosions   N/K   19 July, 00:21     Heard 6 bursts   Small arms   19 July, 00:28     Heard 5 undetermined explosions   N/K   19 July, 00:33     Heard 5 bursts   HMG   19 July, 00:37     Heard 8 shots   HMG   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 2 undetermined explosions   N/K   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 6 bursts   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:40     Heard 3 bursts   Small arms   19 July, 00:40     Heard 4 bursts   Small arms   19 July, 00:40     Heard 5 bursts   Small arms   19 July, 00:40     Heard 6 bursts   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:40     Heard 8 hursts   Small arms   19 July, 00:40     Heard 9 bursts   Sma			Heard 5 undetermined explosions	N/K	18 July, 23:12
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Heard 9 bursts   Small arms   18 July, 23:35     Heard 2 undetermined explosions   N/K   18 July, 23:37     Heard 3 bursts   Small arms   18 July, 23:39     Heard 2 undetermined explosions   N/K   18 July, 23:46     Heard 3 bursts   HMG   18 July, 23:47     Heard 3 bursts   HMG   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:50     Heard 4 bursts   HMG   18 July, 23:57     Heard 1 undetermined explosions   N/K   19 July, 00:04     Heard 6 bursts   Small arms   19 July, 00:19     Heard 2 bursts   HMG   19 July, 00:20     Heard 4 undetermined explosions   N/K   19 July, 00:21     Heard 5 bursts   Small arms   19 July, 00:32     Heard 5 bursts   HMG   19 July, 00:33     Heard 12 bursts   HMG   19 July, 00:37     Heard 8 shots   HMG   19 July, 00:41     Heard 7 shots   Small arms   19 July, 00:49     Heard 7 shots   Small arms   19 July, 00:49     Heard 7 shots   Small arms   19 July, 00:49     Heard 7 shots   Small arms   19 July, 00:40     Heard 7 shots   Small arms   19 July, 00:49     Heard 7 shots   Small arms   19 July, 00:49     Heard 3 bursts   Small arms   19 July, 00:49     Heard 3 bursts   Small arms   19 July, 00:49     Heard 7 shots   19 July, 01:10     Heard 3 bursts   Small arms   19 July, 01:26				HMG	
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Heard 7 shots         Small arms         19 July, 01:10           Heard 3 bursts         19 July, 01:26			Heard 2 undetermined explosions		
Heard 3 bursts Small arms 19 July, 01:26			*		-
				Small arms	
				HMG	
		1	Tienta 5 oursts	111/10	17 July, 01.07

		Heard 3 bursts	Small arms	19 July, 01:14
SMM camera in Avdiivka (government- controlled, 17km N of Donetsk)		Recorded 1 undetermined explosion		18 July, 20:06
	3-4km ESE	Recorded 1 undetermined explosion		19 July, 04:13
		Recorded 1 undetermined explosion		19 July, 04:14
	4-5km ESE	Recorded 1 undetermined explosion	N/K	19 July, 09:40
	3km E	Recorded 1 undetermined explosion		19 July, 11:23
	4-5km SSE	Recorded 8 undetermined explosions		19 July, 11:33-11:38
	3km E	Recorded 13 undetermined explosions		19 July, 11:41-11:46
		Recorded 2 undetermined explosions		19 July, 11:49
		Recorded 1 explosion (impact)		
	3-4km SE	Recorded 4 undetermined explosions	-	19 July, 15:31-15:35
		Recorded 22 explosions (impact)	-	19 July, 15:36-16:00
		Recorded 1 undetermined explosion		18 July, 20:58
		Recorded 1 undetermined explosion		18 July, 21:01
		Recorded 2 rocket-assisted projectiles		18 July, 21:05
		from W to E  Recorded 1 rocket-assisted projectile	-	-
		from W to E		18 July, 21:11
		Recorded 1 rocket assisted projectile from W to E		
		Recorded 4 tracers from W to E	-	18 July, 21:14
		Recorded 1 undetermined explosion		
		Recorded 6 tracers from W to E		18 July, 21:15
	N/K N	Recorded 1 undetermined explosion	N/K	
		Recorded 3 tracers from W to E		18 July, 21:16
		Recorded 6 tracers from W to E  Recorded 1 tracer from E to W		18 July, 21:18-21:19
		Recorded 1 tracer in vertical flight		18 July, 21:20
		Recorded 4 tracers from W to E		18 July, 21:25
		Recorded 5 tracers from E to W		18 July, 21:35
		Recorded 2 rocket-assisted projectiles from W to E		18 July, 21:43
		Recorded 1 undetermined explosion		18 July, 21:56
SMM camera in		Recorded 5 tracers from W to E		18 July, 21:57-22:00
Shyrokyne (20km E		Recorded 47 tracers from E to W		
of Mariupol)		Recorded 4 tracers from W to E Recorded 4 tracers from E to W		18 July, 22:01-22:03
		Recorded 4 tracers from W to E		18 July, 22:04
		Recorded 2 tracers from E to W		18 July, 22:04
		Recorded 17 tracers from E to W		18 July, 22:22
		Recorded 9 tracers from E to W		18 July, 22:29
		Recorded 1 rocket-assisted projectile from W to E		18 July, 22:31
		Recorded 11 tracers from W to E		
		Recorded 37 tracers from E to W		18 July, 22:36
		Recorded 39 tracers from W to E		18 July, 22:42 -22:45
		Recorded 17 tracers from E to W Recorded 19 tracers from W to E		•
		Recorded 16 tracers from E to W		18 July, 22:45- 22:46
		Recorded 51 tracers from W to E		
		Recorded 9 tracers from E to W		18 July, 22:52-22:55
		Recorded 1 undetermined explosion		10 Il., 22 57
		Recorded 19 tracers from W to E  Recorded 12 tracers from W to E		18 July, 22:57 18 July, 23:08
		Recorded 12 tracers from W to E  Recorded 19 tracers from W to E	1	
		Recorded 11 tracers from E to W		18 July, 23:20
		Recorded 3 tracers from W to E		18 July, 23:26
		Recorded 2 tracers from E to W		10 041, 23.20

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Recorded 11 tracers from W to E	18 July, 23:32-23:34
Recorded 9 tracers from E to W	
Recorded 7 tracers from W to E  Recorded 21 tracers from E to W	18 July, 23:36-23:38
Recorded 1 tracer from W to E	18 July, 23:42
Recorded 1 illumination flare in	19 July, 00:03
vertical flight	
Recorded 21 tracers from E to W	19 July, 00:07
Recorded 75 tracers from E to W  Recorded 31 tracers from E to W	19 July, 00:10-00:11 19 July, 00:14
Recorded 51 tracers from E to W	19 July, 00:14
Recorded 1 undetermined explosion	19 July, 00:16
Recorded 57 tracers from E to W	19 July, 00:19-00:20
Recorded 31 tracers from E to W	19 July, 00:31
Recorded 1 undetermined explosion	19 July, 00:35
Recorded 1 illumination flare in	
vertical flight	19 July, 00:38
Recorded 1 tracer from E to W	
Recorded 1 rocket-assisted projectile from W to E	19 July, 00:44
Recorded 2 tracers from E to W	19 July, 00:47
Recorded 5 tracers from W to E	
Recorded 5 tracers from E to W	19 July, 00:48-00:49
Recorded 1 tracer from W to E	19 July, 00:50
Recorded 1 undetermined explosion	19 July, 00:51
Recorded 12 tracers from E to W	19 July, 00:52
Recorded 3 tracers from W to E	19 July, 00:53-00:54
Recorded 5 tracers from W to E	
Recorded 5 tracers from E to W	19 July, 00:54-00:55
Recorded 1 illumination flare in	17 July, 00.54-00.55
vertical flight	
Recorded 6 tracers from E to W	19 July, 00:57
Recorded 2 tracers from E to W	19 July, 00:58
Recorded 25 tracers from E to W	19 July, 00:59 19 July, 01:00
Recorded 4 tracers from W to E  Recorded 1 rocket-assisted projectile	19 July, 01:00
from E to W	19 July, 01:12
Recorded 37 tracers from E to W	19 July, 01:13
Recorded 3 tracers from E to W	19 July, 01:58
Recorded 3 tracers from E to W	19 July, 02:04
Recorded 17 tracers vertical flight	19 July, 02:05-02:08
Recorded 21 tracers from E to W	
Recorded 19 tracers from E to W	19 July, 02:11
Recorded 5 tracers from E to W	19 July, 02:22
Recorded 4 tracers from E to W  Recorded 1 rocket-assisted projectile	19 July, 02:27
from W to E	19 July, 02:28
Recorded 11 tracers from E to W	13 6413, 02.20
Recorded 1 rocket-assisted projectile	19 July, 02:31
from W to E	10 L.L. 02.26
Recorded 11 tracers from E to W Recorded 3 tracers from W to E	19 July, 02:36 19 July, 02:45
Recorded 11 tracers from E to W	19 July, 02:45 19 July, 02:45
Recorded 1 rocket-assisted projectile	19 July, 02:47
from E to W	
Recorded 17 tracers from E to W Recorded 9 tracers from E to W	19 July, 02:52 19 July, 02:56
Recorded 9 tracers from E to W  Recorded 1 rocket-assisted projectile	
from E to W	19 July, 02:58
Recorded 15 tracers from W to E	
Recorded 7 tracers from E to W	19 July, 03:08
Recorded 1 illumination flare in	17 July, 03.00
vertical flight	10.1.100.40
Recorded 1 undetermined explosion	19 July, 03:42

		Recorded 1 undetermined explosion		19 July, 03:48
		Recorded 1 undetermined explosion		19 July, 03:49
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	2-5km WSW	Heard 1 undetermined explosion	N/K	19 July, 10:15
	1.5.01 NIW	Heard 1 undetermined explosion		19 July, 11:07
	1.5-2km NW	Heard 6 bursts		19 July, 11:14
	3-4km W	Heard 6 shots	Small arms	
	2-3km W	Heard 1 shot		19 July, 12:06-12:44
	2-3km SW	Heard 1 undetermined explosion		
	2.5-3km N	Heard 1 undetermined explosion	N/K	19 July, 14:40
	2-4km NW	Heard 1 undetermined explosion	1	19 July, 14:42
	1.5km NW	Heard 3 shots	Small arms	19 July, 14:55
1.5km NW of Debaltseve ("DPR"- controlled, 58km NE	2km NW	Heard more than 100 shots	Small arms	19 July, 10:15-10:25
of Donetsk)		Heard more than 20 bursts		
9.3km NE of	3-5km E	Heard 1 undetermined explosion	N/K	19 July, 13:40
Debaltseve ("DPR"- controlled, 58km NE	1-2km E	Heard 3 bursts	Small arms	19 July, 15:15-15:25
of Donetsk)	1-2KIII E	Heard 23 shots	Sman arms	19 July, 15:40-16:10
3.5km WSW of	2km ENE	Heard 21 shots	Small arms	19 July, 15:40-15:46
Rozsadky		Heard 9 shots	Sman arms	19 July, 15:54
(government- controlled, 62km NE of Donetsk)	1km ENE	Heard 10 shots	HMG	19 July, 16:00
5km SE of Luhanske	1.5-2km NE	Heard 14 shots		19 July, 15:40
(government-		Heard 4 shots	Small arms	19 July, 15:46
controlled, 59km NE		Heard 15 shots		19 July, 15:54
of Donetsk)		Heard 10 shots	HMG	19 July, 16:00
		Heard 4 undetermined explosions	N/K	19 July, 15:42
	2-4km ESE 2-4km E	Heard 3 bursts	HMG	19 July, 15:45
		Heard 2 undetermined explosions		19 July, 15:47
1.2km NNW of		Heard 1 undetermined explosion	N/K	19 July, 15:48
Novotroitske		Heard 1 undetermined explosion		19 July, 15:54
(government- controlled, 36km SW		Heard 1 burst	HMG	19 July, 15:59
of Donetsk)	3-5km ENE	Heard 4 undetermined explosions		19 July, 16:02
	2-4km E	Heard 2 undetermined explosions		19 July, 16:08
	2-3km E	Heard 1 undetermined explosion	N/K	19 July, 16:11-16:15
		Heard 1 undetermined explosion		
	4-6km E	Heard 1 undetermined explosion		19 July, 16:16
Kadiivka (formerly Stakhanov, "LPR"- controlled, 50km W of Luhansk)	10km W	Heard 1 undetermined explosion	N/K	19 July, 11:03
Popasna (government- controlled, 69km W of Luhansk)	8-10km S	Heard 1 undetermined explosion	N/K	19 July, 11:05
250m S of Stanytsia Luhanska bridge (16km NE of Luhansk) 2km E	2km F	Heard 48 shots (assessed as outside disengagement area)	Small arms	19 July, 13:52-14:05
	ZKIII E	Heard 12 bursts (assessed as outside disengagement area)		17 July, 13.32-14.03

## 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.)