Table of ceasefire violations as of 20 July 2016¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Park Inn Hotel	5-7km NNE	Heard 12 undetermined explosions		19 July, 20:25-20:35
("DPR"-controlled, Donetsk city centre)	1-2km N	Heard 1 undetermined explosion		19 July, 21:16
	4-6km NW	Heard 4 undetermined explosions		19 July, 22:11
	5-7km NNW	Heard 14 undetermined explosions		20 July, 00:34-00:41
		Heard 36 undetermined explosions		20 July, 01:35-01:47
	5-7km NNE	Heard 12 undetermined explosions	N/K	20 July, 01:53-02:00
	5-7km NW	Heard 4 undetermined explosions		20 July, 02:10-02:15
	7-10km W	Heard 1 undetermined explosion		20 July, 02:15
	7-10km N	Heard 14 undetermined explosions		20 July, 03:08-03:15
	7-10km NW	Heard 1 undetermined explosion		20 July, 03:17
	5-7km N	Heard 9 undetermined explosions		20 July, 03:19-03:24
SMM camera in		Recorded 1 explosion (incoming)	N/K	19 July, 20:46
Shyrokyne (20km E of Mariupol)		Recorded 2 bursts of tracer fire NW to SE	Heavy machine-gun	19 July, 21:10
		Recorded 4 explosions (impacts)	N/K	19 July, 22:17-22:21
		Recorded 4 explosions (incoming)	14/14	1) July, 22.17-22.21
		Recorded 11 bursts of tracer fire SSW to NNE	Heavy machine-gun	19 July, 22:21
		Recorded 4 explosions (impacts)		19 July, 22:22-22:31
		Recorded 1 explosion (incoming)	N/K	19 July, 22.22-22.31
		Recorded 5 explosions (impacts)	IN/K	
		Recorded 3 explosions (incoming)		19 July, 22:38-22:41
		Recorded 4 bursts of tracer fire SSW to NNE	Heavy machine-gun	1) July, 22.30-22.41
		Recorded 3 explosions (incoming)	N/K	
		Recorded 4 bursts of tracer fire SSW to NNE		19 July, 22:41-22:44
		Recorded 2 bursts of tracer fire SSW to	_	
		NNE	Heavy machine-gun	10 1 1 22 10 22 50
		Recorded 1 burst of tracer fire W to E		19 July, 22:48-22:50
		Recorded 4 bursts of tracer fire SSW to		
		NNE		19 July, 22:53-22:55
		Recorded 4 explosions (impacts)	N/K	
		Recorded 6 bursts of tracer fire SSW to	Heavy machine-gun	
	5-8km NE	NNE		19 July, 23:02-23:09
	3-OKIII IVL	Recorded 4 explosions (impacts)	N/K	
		Recorded 1 burst of tracer fire SSW to NNE	Heavy machine-gun	
		Recorded 3 explosions (impacts)		19 July, 23:10-23:13
		Recorded 4 explosions (incoming)	⊢ _{N/K}	
	1-3km NE	Recorded 9 explosions (impact)	- ·	19 July, 23:36-23:41
Horlivka	3km W	Heard 2 explosions (impacts)	Mortar (82mm)	19 July, 20:58
("DPR"-controlled, 39km NE of	3-4km W	Heard 2 bursts (5 shots each)	BMP-2 (30mm cannon)	19 July, 21:03-21:05
Donetsk)	2.5km W	Heard 2 bursts	Heavy machine-gun	19 July, 21:20
	4km W	Heard 2 explosions (impacts)	Mortar (82mm)	10 1 1 2: 2=
	2km W	Heard 2 bursts	BMP-2 (30mm	19 July, 21:25

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¹ **Note**: 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 are entered only once.

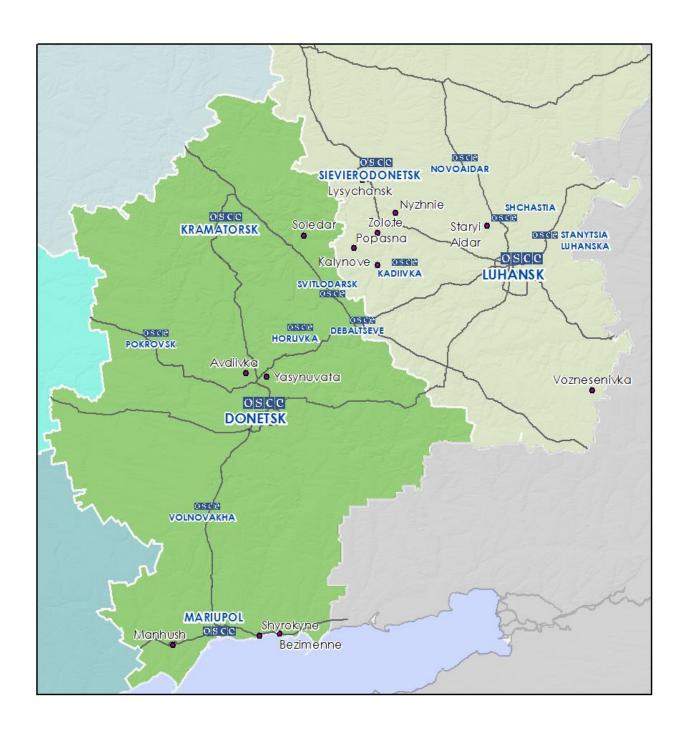
			cannon)	
	4km SW	Heard 1 explosion (impact)	Mortar (120mm)	19 July, 21:28
	1km W	Heard 1 shot (outgoing)	Recoilless gun (SPG-9)	19 July, 21:30
	5km W	Heard 1 explosion (impact)	Artillery (122mm)	19 July, 21:35
	1.5km W	Heard 3 shots (outgoing)	AGL	19 July, 21:41
	3km W	Heard 2 bursts (6 shots each)	Anti-aircraft (N/K calibre)	
	3.5km W	Heard 1 explosion (impact)	Mortar (82mm)	
	3km W	Heard 1 undetermined explosion	Anti-aircraft (N/K calibre)	19 July, 21:45-21:52
	6km SW	Heard 2 explosions (outgoing)	Artillery (122 mm)	
	4-5km W	Heard 4 explosions (impacts)		
	3km W	Heard 1 explosion (impact)		
	3.5km W	Heard 1 explosion (impact)		19 July, 21:57
	4.5km W	Heard 1 explosion (impact)	Mortar (120mm)	19 July, 22:13
	4km W	Heard 1 explosion (impact)	Mortar (82mm)	
	4.5km W	Heard 1 explosion (impact)		19 July, 22:18
	5km W	Heard 2 explosions (impacts)	Mortar (120mm)	19 July, 22:27
		Heard 2 explosions (impacts)		10 July 22:20
	4km W	Heard 2 explosions (impacts)	T1-	19 July, 22:29
	4km SW	Heard 2 explosions (impacts) Heard 1 explosion (impact)	Tank Artillery (122 mm)	19 July, 22:37
	5-6km SW	Heard 1 explosion (impact) Heard 30 explosions (impacts)	Artillery (122 mm) Artillery (152mm)	19 July, 22:57 19 July, 22:55-23:15
	5-6km W	Heard 2 undetermined explosions	N/K	19 July, 22:33-23:13
	3km W	Heard 1 burst	BMP-2 (30mm	19 July, 25:29
			cannon)	
	1.5-2km W	Heard 12 bursts	Small arms	19 July, 23:36-23:42
	4-5km NW	Heard 2 explosions (impacts)		
	5-6km NW	Heard 7 explosions (impacts)	Mortar (120mm)	
	6km W	Heard 1 explosion (impact)		
	5-6km W	Heard 4 explosions (impacts)		
	4-5km W	Heard 13 explosions (impacts) Heard 1 explosion (impact)	Artillery (122mm)	19 July, 23:50-23:56
	5km W	Heard 3 explosions (impacts)	Arunery (122mm)	_
	JKIII W	Heard 8 explosions (impacts)	Mortar (120mm)	
		Heard 11 explosions (outgoing)	Artillery (152mm)	19 July, 23:57-00:13
		Heard and saw 5 explosions (outgoing)		17 July, 23.37-00.13
		Heard 7 explosions (outgoing)		20 July, 00:13-00:22
	5km NW	Heard and saw 12 explosions (outgoing)		20 July, 00.13-00.22
		Heard 9 explosions (outgoing)		20 July, 00:22-00:27
		Heard and saw 6 explosions (outgoing)		
	6-7km NW	Heard 30 undetermined explosions	Tank	20 July, 00:45-00:53
	5km NW	Heard approximately 60 explosions (outgoing)	Artillery (152mm)	20 July, 01:00-03:00
	41 CXX	Heard 3 explosions (impacts)	A (11) (100)	20 July, 02:30
	4km SW	Heard 3 explosions (impacts)	Artillery (122mm)	20 July, 03:00
Svitlodarsk (government-	3-4km SE	Heard 14 explosions (outgoing)	BMP-1 (73mm cannon)	19 July, 21:48-22:10
controlled, 57km	6km N	Heard 1 undetermined explosion	,	19 July, 22:38
NE of Donetsk)		Heard 1 undetermined explosion	NUZ	19 July, 23:15
	5km SE	Heard 2 undetermined explosions	N/K	19 July, 23:27-23:29
		Heard 1 undetermined explosion		19 July, 23:32
	5km SSW	Heard 22 explosions (outgoing)	Artillery (122mm)	19 July, 23:34-23:58
Yasynuvata	2-3km NW	Heard 3 bursts	Heavy machine-gun	20 July, 09:26
("DPR"-controlled,	2-3km SW	Heard 1 undetermined explosion	N/K	20 July, 10:38
16km NE of		Heard at least 10 bursts		20 July, 12:06
Donetsk)	2-3km WNW	Heard 3 bursts	Heavy machine-gun	20 July, 12:17
		Heard 2 undetermined explosions		20 July, 12:18
		Heard 4 undetermined explosions	N/K	20 July, 12:19
			TT 11	•
		Heard at least 10 bursts	Heavy machine-gun	20 July, 12:21
		Heard 2 undetermined explosions	N/K	20 July, 12:29
	2-3km SW	Heard 4 undetermined explosions	1	20 July, 12:47

		Heard 1 undetermined explosion		20 July, 12:51
	3-4km SW	Heard 2 undetermined explosions		20 July, 12:55
	2	Heard 2 single shots	Small arms	20 July, 12:56
		Heard 8 undetermined explosions	N/K	_
	3-4kmWNW	Heard 4 single shots	Small arms	20 July, 13:11
		Heard 9 undetermined explosions	N/K	20 July, 13:13
1		Heard 10 single shots	Small arms	20 July, 13:13
		Heard 6 undetermined explosions	N/K	
		Heard 2 single shots	Small arms	20 July, 13:15
	2 51 WNW	Heard 3 undetermined explosions	N/K	20 July, 13:17
	3-5kmWNW	Heard 4 single shots	Small arms	
		Heard 2 undetermined explosions	N/K	20 July, 13:19
		Heard 2 single shots	Small arms	-
		Heard 4 undetermined explosions		20 July, 13:22
		Heard 1 undetermined explosion		20 July, 13:27
	1-2kmWNW	Heard 1 undetermined explosion		20 July, 13:30
	3-5kmWNW	Heard 1 undetermined explosion	N/K	
	1-2kmWNW	Heard 1 undetermined explosion		
	3-5kmWNW	Heard 2 undetermined explosions		20 July, 13:33
	1-2kmWNW	Heard 1 undetermined explosion		
		Heard 1 undetermined explosion		20 July, 13:35
	3-4kmWNW	Heard 1 single shot	Small arms	20 July, 13:51
		Heard 3 undetermined explosions	N/K	20 July, 14:09
		Heard 8 single shots	Small arms	
	2-3km W	Heard 3 undetermined explosions	N/K	20 July, 14:11
	2-3KIII W	Heard 5 single shots	G 11	
		Heard 20 bursts (3-4 rounds each)	Small arms	20 I1 14-12
		Heard 5 single shots Heard 25 bursts (2-3 rounds each)	Heavy machine-gun	20 July, 14:12 20 July, 14:15
	2-3km WNW	Heard 4 undetermined explosions	N/K	20 July, 14:17
	2-3KIII WINW	Heard continuous bursts and single shots	Small arms	20 July, 14:17-14:20
		Heard 4 undetermined explosions	N/K	20 July, 14:21
		Heard continuous bursts and single shots	Small arms	20 July, 14.21
		Heard continuous bursts and single shots	Sman arms	20 July, 14:23-14:27
		Heard 5 undetermined explosions	N/K	20 July, 14:27
	2-3km W	Heard continuous bursts and single shots	Small arms	20 July, 14:27-14:34
		Heard 1 undetermined explosion	N/K	20 July, 14:34
		Heard 10 bursts (3-5 round each)	Heavy machine-gun	20 July, 14.34
		Heard 25 single shots	and small arms	20 July, 14:34-14:34
		Heard 11 bursts (3-5 rounds each)	Heavy machine-gun	20 July, 14:37-14:39
		Heard 4 undetermined explosions	N/K	
	2-3km SW	Heard 50 single shots		20 July, 14:38
		Heard at least 120 single shots	Small arms	20 July, 14:39
	2-4km SW	Heard 20 single shots		
	3-5km W	Heard 4 undetermined explosions	N/K	20 July, 14:41
	2-4km SW	Heard 5 bursts (3-4 shots each)	Heavy machine-gun	20 July, 14:42
		Heard 8 undetermined explosions	N/K	
	2-3km SW	Heard 15 single shots	Small arms	20 July, 14:43
		Heard 2 undetermined explosions	N/K	20 July, 14:44
	2 51 037	Heard 5 single shots	Small arms	
	3-5km SW	Heard 5 bursts (2-3 shots each)	Heavy machine-gun	20 July, 14:45
	2.2km W	Heard 1 undetermined explosion	N/K	20 July 14:49
	2-3km W	Heard 10 single shots	Small arms	20 July, 14:48
	3-4km SW	Heard 5 single shots		20 July, 14:49
	1-2km W	Heard 1 explosion (impact)	N/K	20 July, 14:50
	2-3km SW	Heard 10 single shots	Small arms	
	2-JAIII 5 W	Heard 1 undetermined explosion	N/K	20 July, 14:52
			•	· · · · · · · · · · · · · · · · · · ·

Heard 1 undetermined explosion Small arms 20 July, 14:53					
Heard 1 supplession (impact) N/K 20 July, 14:56		1-3km W	_		20 July, 14:53
2-3km SW			_		
2-3km SW			1	N/K	
Heard 1 single shot Formation Format		2-3km SW	Heard 1 burst	Small arms	20 July 14:56
5-6km SW Heard 1 undetermined explosion N/K 20 July, 14:59 2-3km SW Heard 1 explosion (impact) 20 July, 15:00 3-5km SW Heard 2 explosion (impact) 20 July, 15:02 2-3km SW Heard 2 single shots Small arms 1-2km W Heard 4 single shots Small arms 1-2km SW Heard 4 single shots Small arms 1-2km SW Heard 1 explosion (impact) Mortar (N/K calibre) 5-6km SW Heard 20 single shots Small arms 4-5km W Heard 20 single shots Small arms 2-3km SW Heard 1 single shots Small arms 3-3km W Heard 1 single shots Small arms 3-3km W Heard 1 single shots Small arms 1-2km SW Heard 1 single shot Small arms 1-2km W Heard 1 single shot Small arms 2-3km SW Heard 1 undetermined explosion N/K 2-3km SW Heard 1 undetermined explosion N/K 2-3km SW Heard 1 undetermined explosions Part (N/K calibre) 2-3km SW Heard 2 bursts (2-3		2-3KIII 5 W	Heard 1 single shot		20 July, 14.30
2-3km SW		1-3km SW	Heard 3 explosions (impacts)	N/K	20 July, 14:57
1-2km SW		5-6km SW	Heard 6 single shots	Small arms	20 July, 14:59
S-okm SW		2-3km SW	Heard 1 undetermined explosion	N/K	20 July, 15:00
2-8km SW Heard 2 single snots N/K 20 July, 15:03 -2.8km SW Heard 4 single shots Small arms 20 July, 15:03 -2.8km SW Heard 4 single shots Small arms 20 July, 15:04 -2.8km SW Heard 2 single shots Small arms 20 July, 15:05 -2.8km SW Heard 2 single shots Small arms 20 July, 15:05 -2.8km SW Heard 3 single shots Small arms 20 July, 15:07 -2.8km SW Heard 1 single shots Small arms 20 July, 15:08 -2.8km SW Heard 1 single shots Small arms 20 July, 15:09 -2.8km SW Heard 1 single shots Small arms 20 July, 15:09 -2.8km SW Heard 1 single shots Small arms 20 July, 15:09 -2.8km SW Heard 1 single shot Small arms 20 July, 15:09 -2.8km SW Heard 1 single shot Small arms 20 July, 15:10 -2.8km SW Heard 1 single shot Small arms 20 July, 15:10 -2.8km SW Heard 1 sundetermined explosion N/K 20 July, 15:15 -2.8km SW Heard 1 sundetermined explosion N/K 20 July, 15:25 -2.8km SW Heard 2 bursts (2-3 shots each) Heavy machine-gun 20 July, 15:36 -2.8km W Heard 2 bursts (2-3 shots each) Heavy machine-gun 20 July, 15:36 -2.8km W Heard 3 single shots Small arms 20 July, 15:36 -2.8km W Heard 4 undetermined explosions N/K 20 July, 15:36 -2.8km W Heard 5 single shots Small arms 20 July, 15:42 -2.9km W Heard 4 undetermined explosions Heard 4 undetermined explosions Heard 4 undetermined explosions N/K 20 July, 15:56 -2.8km W Heard 1 single shots Small arms 20 July, 16:06-16:09 -2.8km W Heard 1 single shots Small arms 20 July, 16:06-16:09 -2.8km W Heard 2 bursts (2-3 shots each N/K 20 July, 16:31 -2.8km W Heard 3 single shots Small arms 20 July, 16:31 -2.8km W Heard 4 undetermined explosions Heard 5 single shots Small arms 20 July, 16:35 -2.8km W Heard 1 undetermined explosions Heard 1 single shots Small arms 20 July, 16:35 -2.9km W Heard 1 undetermined explosion N/K 20 July, 16:35 -2.9km W He		1-2km SW	Heard 1 explosion (impact)		20 1 1 15 02
1-2km W Heard 4 single shots Small arms 20 July, 15:03		5-6km SW	Heard 2 single shots	Small arms	20 July, 15:02
1-2km W Heard 4 single shots Small arms 1-3km SW Heard 1 explosion (impact) Mortar (N/K calibre) 1-2km SW Heard 20 bursts (2-3 shots each) Heavy machine-gun 1-2km SW Heard 20 bursts (2-3 shots each) Heavy machine-gun 1-3km W Heard 20 bursts (2-3 shots each) Heavy machine-gun 1-3km W Heard 10 single shots Small arms 1-3km W Heard 10 single shots Small arms 1-3km SW Heard 1 undetermined explosion Mortar (N/K calibre) 1-3km SW Heard 1 undetermined explosion (impact) Mortar (N/K calibre) 1-2km SW Heard 1 explosion (impact) Mortar (N/K calibre) 1-2km SW Heard 1 explosion (impact) Mortar (N/K calibre) 1-2km W Heard 2 bursts (2-3 shots each) Heavy machine-gun 1-2km W Heard 2 bursts (2-3 shots each) Heavy machine-gun 1-2km W Heard 3 single shots Mortar (N/K calibre) 1-2km W Heard 4 undetermined explosions Heard 4 undetermined explosions 1-2km W Heard 5 undetermined explosions Heard 4 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 4 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 single shots 1-2km W Heard 4 undetermined explosions Heard 7 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 4 undetermined explosions Heard 7 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined explosions 1-2km W Heard 1 undetermined explosions Heard 3 undetermined		2-3km SW	Heard 2 undetermined explosions	N/K	20 1 1 17 02
1-3km SW		1-2km W	Heard 4 single shots	Small arms	20 July, 15:03
1-2km SW		1-3km SW			
S-6km SW					20 July, 15:04
4-5km W Heard 20 bursts (2-3 shots each) Heavy machine-gun 20 July, 15:05					
2-3km SW			_	_	20 July, 15:05
1-3km W Heard I explosion (impact) N/K 20 July, 15:08			*	•	·
3-5km SW			_		•
1-3km W Heard 6 single shots Heard 1 undetermined explosion Heard 1 single shot Heard 1 single shot Heard 1 single shot Heard 1 single shot Small arms 20 July, 15:10				IV/K	20 July, 15:08
1-3km SW			_	Small arms	20 July 15:00
1-3km SW		3-4KIII VV		Mantan (NI/IZ antilana)	20 July, 13.09
1-2km SW		1-3km SW	_	` ,	20 July, 15:10
2-3km SW		1 21 CW	_		20 I1 15-12
1-2km W Heard 2 bursts (2-3 shots each) Heavy machine-gun					20 July, 15:12
1-2km W Heard 2 bursts (2-3 shots each) Heavy machine-gun -2-3km NW Heard 6 bursts (2-3 shots each) Heavy machine-gun -2-3km WNW Heard 3 single shots 20 July, 15:36 -2-3km W Heard 5 undetermined explosions 20 July, 15:39 -2-3km W Heard 4 undetermined explosions N/K 20 July, 15:44 -3-5km W Heard 4 undetermined explosions Heard 4 undetermined explosions			_		20 July, 15:15
Solution Single shots Small arms 20 July, 15:36 20 July, 15:39				Heavy machine-gun	-
Heard 3 single shots 20 July, 15:39		2-3km NW			
Heard 3 single shots 20 July, 15:39		3-5km WNW	-	Small arms	•
Heard 4 undetermined explosions Heard 3 bursts (3-5 shots each) Heavy machine-gun			_		•
Heard 4 undetermined explosions Heard 3 bursts (3-5 shots each) Heavy machine-gun		2-3km W	_		•
Heard 3 bursts (3-5 shots each) Heavy machine-gun Heard 1 undetermined explosion N/K 20 July, 15:56 20 July, 16:04		3-5km W	_	N/K	20 July, 15:44
Heard 3 bursts (3-5 shots each) Heavy machine-gun			_		20 July 15:50
Heard 7 undetermined explosions Heard 8 single shots Small arms			` ,	Heavy machine-gun	20 July, 13.30
Heard 7 undetermined explosions 20 July, 16:04			_	N/V	20 July, 15:56
Heard 8 single shots			-	IN/IX	20 July 16:04
Heard 13 single shots Small arms 20 July, 16:06-16:09 Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 3 undetermined explosions Heard 13 single shots Small arms 20 July, 16:12 20 July, 16:16-16:20 Heard 3 undetermined explosions Heard 13 single shots Small arms 20 July, 16:16-16:20 Heard 4 undetermined explosions N/K 20 July, 16:31 Heard 5 undetermined explosions Heard 20 bursts (3-4 shots each) Small arms 20 July, 16:35 1-2km W			Heard 8 single shots	Small arms	20 July, 16:04
Heard 15 single shots Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 7 undetermined explosions Heard 3 undetermined explosions Heard 3 undetermined explosions Heard 13 single shots 20 July, 16:12 20 July, 16:21			Heard 10 undetermined explosions	N/K	20 July 16:06 16:00
Heard 7 undetermined explosions Heard 7 undetermined explosions			Heard 13 single shots	Small arms	20 July, 10:00-10:09
Heard 7 undetermined explosions		2 51 WNW	Heard 7 undetermined explosions		20 July, 16:09
Heard 7 undetermined explosions 20 July, 16:16-16:20 Heard 3 undetermined explosions 20 July, 16:21 Heard 13 single shots Small arms 20 July, 16:31 Heard 4 undetermined explosions N/K 20 July, 16:31 Heard 5 undetermined explosions Heard 20 bursts (3-4 shots each) Small arms 20 July, 16:35 1-2km W		3-3KIII WINW	Heard 7 undetermined explosions		20 July, 16:12
Heard 3 undetermined explosions Heard 13 single shots Small arms 20 July, 16:21			Heard 7 undetermined explosions	N/K	20 July, 16:16-16:20
Heard 13 single shots Small arms 20 July, 16:21			_		
Heard 4 undetermined explosions N/K 20 July, 16:31				Small arms	20 July, 16:21
3-5km W Heard 5 undetermined explosions Heard 20 bursts (3-4 shots each) Small arms 20 July, 16:35 -2km W			_	_	20 July, 16:31
Heard 20 bursts (3-4 shots each) Small arms 20 July, 16:35 1-2km W		3-5km W	_	7	-
1-2km W Heard 1 undetermined explosion 20 July, 16:39 6-8km WNW Heard 1 undetermined explosion 20 July, 16:45 5-7km WNW Heard 1 undetermined explosion 20 July, 16:46 4-6km W Heard 1 undetermined explosion 20 July, 16:48 Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 3 bursts (5-6 shots each) 20 July, 16:58 20 July, 16:59			-	Small arms	20 July, 16:35
6-8km WNW Heard 1 undetermined explosion 20 July, 16:45 5-7km WNW Heard 1 undetermined explosion 20 July, 16:46 4-6km W Heard 1 undetermined explosion 20 July, 16:48 6-8km W Heard 1 undetermined explosion 20 July, 16:48 Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 3 bursts (5-6 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59		1-2km W			20 July, 16:39
5-7km WNW Heard 1 undetermined explosion N/K 20 July, 16:46 4-6km W Heard 1 undetermined explosion 20 July, 16:48 6-8km W Heard 1 undetermined explosion 20 July, 16:48 Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 20 bursts (2-3 shots each) Fleard 3 bursts (5-6 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59			_		
4-6km W Heard 1 undetermined explosion N/K 6-8km W Heard 1 undetermined explosion 20 July, 16:48 4-5km SW Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 20 bursts (2-3 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59			_	N/K	
6-8km W Heard 1 undetermined explosion 20 July, 16:48 4-5km SW Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 20 bursts (2-3 shots each) 20 July, 16:58 Heard 3 bursts (5-6 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59			_		-
Heard 1 undetermined explosion 20 July, 16:56 Heard 18 bursts (2-3 shots each) Heard 20 bursts (2-3 shots each) Small arms 20 July, 16:57 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59			_		
4-5km SW		J JAMII 11	_		
Heard 20 bursts (2-3 shots each) Small arms 20 July, 16:57 Heard 3 bursts (5-6 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59					
Heard 3 bursts (5-6 shots each) 20 July, 16:58 3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59		4-5km SW			
3-4km W Heard 1 undetermined explosion N/K 20 July, 16:59			·		
		2 Alam W/		NI/IZ	
4-5km Sw Heard 1 single snot Small arms 20 July, 17:01			_		·
		4-3KM SW	riearu i singie snot	Small arms	20 July, 17:01

	3-4km NW	Heard 2 undetermined explosions		
	3-4km SW	Heard 1 undetermined explosion	N/K	
	3-4km W	Heard 2 undetermined explosions		20 July, 17:02
		Heard 1 undetermined explosion		20 July, 17:10
	6-8km SW	Heard 2 undetermined explosions	=	20 July, 17:13
	2-3km WNW	Heard 2 undetermined explosions	-	20 July, 17:14
Debaltseve	2-3km NW	Heard 18 undetermined explosions	N/K	20 July, 10:30-10:56
("DPR"-controlled,				
58km NE of				
Donetsk) Chermalyk	1km SSE	Heard and saw 1 explosion (impact)	N/K	20 July, 12:45
(government-	1km SSE	Heard and saw 1 explosion (impact)	IN/K	20 July, 12:45
controlled, 31km				
NE of Mariupol)				
Donetsk central	5-10km NE	Heard 1 undetermined explosion		20 July, 13:28
railway station ("DPR"-controlled,	3-5km NW	Heard 1 undetermined explosion	Naz	20 July, 13:30
6km NW of	5-10km NE	Heard 1 undetermined explosion	N/K	20 July, 13:31
Donetsk city centre)	3-8km NE	Heard 3 undetermined explosions		20 July, 14:19-14:20
Avdiivka	5-6km ESE	Heard 1 undetermined explosion	N/K	20 July, 14:35
(government-	6-7km ESE	Heard 1 undetermined explosion		20 July, 14:48
controlled, 17km N of Donetsk)	5km ESE	Heard 1 explosion (impact)	Recoilless gun (SPG- 9)	20 July, 14:51
	5-7km ESE	Heard 1 undetermined explosion		20 July, 14:57
		Heard 1 undetermined explosion	N/K	20 July, 15:10
	5-6km ESE	Heard 1 undetermined explosion	IN/IX	20 July, 15:55
	4-5km ESE	Heard 5 undetermined explosions		20 July, 16:05-1610
FPB in Stanytsia	3-5km S	Heard 5 undetermined explosions	N/K	20 July, 02:00-03:00
Luhanska (government-		Heard 260 single shots, majority SSW to SSE	Small arms	
controlled, 16km		Heard 224 single shots, majority SSW to	Heavy machine-gun	_
NE of Luhansk)		SSE	Ticavy macmine-gun	
, , ,		Heard 79 single shots, majority SSW to	23 or 30mm cannon	
		SSE		
		Heard 50 bursts, majority SSW to SSE	23 or 30mm cannon	
		Heard 1 explosion (outgoing, SSW to SSE)	AGL	
		Heard 9 explosions (outgoing and impacts, SSW to SSE)	Recoilless gun (SPG- 9), rocket-propelled grenade launcher (RPG-7) or 73mm cannon	
		Saw 43 bursts of tracer fire SSW to SSE	N/K	1
		Saw 1 burst of tracer fire SSE to SSW	N/K	1

Map of Donetsk and Luhansk Regions²



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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.