Table of ceasefire violations as of 12 November 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in	0.3-0.5km S	Recorded 1 burst NW to SE (assessed	•	10 November 02:25
Petrivske ("DPR"-	0.5-0.5KIII 5	as outside the disengagement area)		10 November, 02:35
controlled, 41km S	0.1-0.3km	Recorded 1 burst from NE to SW	Small arms	
of Donetsk)	SW	(assessed as outside the		10 November, 02:59
		disengagement area)		
		Recorded 7 tracers from W to E		10 11 17 04
		(assessed as inside disengagement		10 November, 17:04
		area) Recorded 8 shots from W to E		
		(assessed as inside disengagement		
		area)		10 November, 17:05
		Recorded 4 tracers from W to E		ŕ
		(assessed as inside disengagement		
		area)		
		Recorded 1 burst (4 shots each) from		
		W to E (assessed as inside		
		disengagement area)		
	1-3km SW	Recorded 2 shots from W to E	N/K	
		(assessed as inside disengagement		10 November, 21:15
		area)		To November, 21:13
		Recorded 9 tracers from W to E		
		(assessed as inside disengagement		
		area)		
		Recorded 1 tracer from SE to NW		
				11.37
		(assessed as inside disengagement		11 November, 02:31
		area)		
		Recorded 32 tracers from E to W		
		(assessed as inside disengagement		11 November, 02:59-03:00
		area)		
1.5km NW of Debaltseve ("DPR"-				11 November, 14:56
controlled, 58km NE	3-4km N	Heard and saw 1 explosion (impact)	N/K	
of Donetsk)				
1.9km NW of				12 November, 13:55
Debaltseve ("DPR"-	2km NW	Heard 2 undetermined explosions	N/K	
controlled, 58km NE	2KIII I V VV	Treate 2 undetermined expressions	N/K	
of Donetsk)	7 101 CCW	H 16 14 1 1 1	NI/II	
Railway station in	5-10km SSW	Heard 6 undetermined explosions	N/K	11 November, 11:52-11:59
Yasynuvata ("DPR"-controlled, 16km NE	5-6km SSW	Heard uncountable overlapping bursts	Small arms	11 N 12-00 12-12
of Donetsk)	5km SSW	Heard 4 undetermined explosions Heard uncountable overlapping shots	N/K HMG	11 November, 12:00-12:12 11 November, 12:12-12:13
of Bolletsk)	4-6km SSW	Heard 2 undetermined explosions	TIMO	11 November, 12:13-12:15
	3-5km NW	Heard 2 undetermined explosions Heard 2 undetermined explosions	-	11 November, 12:17
	6-10km SW	Heard 2 undetermined explosions	N/K	1111070111001, 12.17
			IN/K	11 November, 12:19 -12:35
	3-5km NW	Theard 19 underermined explosions		
	3-5km NW 3-5km W	Heard 19 undetermined explosions Heard 4 undetermined explosions		, , , , , , , , , , , , , , , , , , , ,
	3-5km W	Heard 4 undetermined explosions	HMG	,
	3-5km W 2-3km W	Heard 4 undetermined explosions Heard 4 bursts	HMG N/K	11 November, 12:40 -12:55
	3-5km W	Heard 4 undetermined explosions	HMG N/K HMG	

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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.

		П. 101 /		
	3-4km NW	Heard 2 bursts Heard 1 shot	Small arms	11 November 12:15
	3-4km W	Heard 2 undetermined explosions		11 November, 13:15 11 November, 13:40-13:45
	5-8km W	Heard 2 undetermined explosions Heard 2 undetermined explosions	- N/K	11 November, 13:40-13:43
	4km W	Heard 2 undetermined explosions	- 1V/K	11 November, 14:07-14:15
	2-4km WNW	Heard 2 bursts	HMG	
	2 1811 11111	Heard 1 undetermined explosion	N/K	
		Heard 28 bursts	HMG	12 November, 09:55-10:05
		Heard 4 shots		12 1 (0 veliloci, 0) .33 10 .03
	2-5km W	Heard 12 shots	Small arms	12 November, 10:08-10:20
		Heard 5 undetermined explosions	N/K	12 November, 11:45-12:10
		Heard 1 shot	Small arms	
		Heard 1 undetermined explosion		12 November, 12:15-12:33
	3-7km NW	Heard 2 undetermined explosions	N/K	
	2-5km NW	Heard 5 undetermined explosions	IN/K	12 November, 12:33-13:00
	2-5km W	Heard 9 undetermined explosions		12 November, 12.33-13.00
	2-3km SW	Heard 10 shots	Small arms	
	2-4km W	Heard 5 undetermined explosions		12 November, 13:08-13:13
	2-4km SW	Heard 4 undetermined explosions	N/K	12 November, 13.00-13.13
	2-4km W	Heard 21 undetermined explosions	14/10	
	3-4km W	Heard 4 undetermined explosions		12 November, 13:39-13:40
		Heard 6 bursts	Small arms	12 110 veimber, 13.35 13.40
	2-3km W	Heard 4 undetermined explosions	N/K	12 November, 13:53-14:15
		Heard 3 bursts	Small arms	,
	3-7km W	Heard 2 undetermined explosions	N/K	12 November, 14:25
	2-3km WNW	Heard 19 shots	Small arms	12 November, 14:27-14:55
CIVI. 1 C		Heard uncountable overlapping bursts		·
SW edge of	2-4km WNW	Heard 1 undetermined explosion	_	11 November, 10:55
Yasynuvata ("DPR"- controlled, 16km NE of Donetsk)	5-10km SW	Heard 30 undetermined explosions	N/K	11 November, 11:03-11:35
SW edge of Avdiivka	2-3km ESE	Heard 5 shots Heard 3 bursts	Small arms	11 November, 10:51
(government-	2-7km S	Heard 15 undetermined explosions	N/K	
controlled, 17km N	2-7KIII S	Heard 22 bursts	HMG	11 November, 10:58-11:16
of Donetsk)	2-3km S	Heard 27 shots	HIVIG	
	2-4km SSW	Heard 15 undetermined explosions	N/K	
	2-3km SSW	Heard 8 bursts	HMG	
		Heard 63 bursts	THVIO	11 November, 11:35-12:00
ļ	2-3km SW	Heard 20 undetermined explosions		
	2-4km S	Heard 1 undetermined explosion	N/K	
		Heard 2 undetermined explosions		11 November, 12:03
	2-4km SSW	Heard 16 undetermined explosions		
		Heard 3 bursts	Small arms	11.31
	2-4km SW	Heard 26 bursts		11 November, 12:09-12:34
ŀ	1 21 E	Heard 1 undetermined explosion	N//Z	
ŀ	1-3km E	Heard 12 undetermined explosions	N/K	
	2-4km E	Heard 19 undetermined explosions Heard 5 bursts	HMG	11 November, 12:46-12:50
•	3-5km SW	Heard 2 undetermined explosions	N/K	11 November, 12.40-12.30
	2-3km SW	Heard 1 undetermined explosion	IN/IX	
			N/K	
	2-3km S		N/K	12 November, 10:50-11:44
	2-3km S	Heard 1 undetermined explosion	- 1,11	12 November, 10:50-11:44
	4-5km S	Heard 1 undetermined explosion		12 November, 10:50-11:44
	4-5km S 2-4km SW	Heard 1 undetermined explosion Heard 6 bursts	HMG	
	4-5km S 2-4km SW 3-4km S	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions	HMG	12 November, 11:50
	4-5km S 2-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions		12 November, 11:50 12 November, 12:03-12:34
	4-5km S 2-4km SW 3-4km S 3-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions	HMG	12 November, 11:50 12 November, 12:03-12:34 12 November, 13:01
	4-5km S 2-4km SW 3-4km S 3-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions Heard 4 undetermined explosions	HMG - N/K	12 November, 11:50 12 November, 12:03-12:34
SMM camera in	4-5km S 2-4km SW 3-4km S 3-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions Heard 4 undetermined explosions Heard 5 bursts	HMG	12 November, 11:50 12 November, 12:03-12:34 12 November, 13:01 12 November, 14:25-14:55
SMM camera in Avdiivka	4-5km S 2-4km SW 3-4km S 3-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions Heard 4 undetermined explosions Heard 4 bursts Recorded 10 tracers from E to W	HMG - N/K	12 November, 11:50 12 November, 12:03-12:34 12 November, 13:01 12 November, 14:25-14:55 10 November, 17:02
	4-5km S 2-4km SW 3-4km S 3-4km SW 3-4km SE 2-3km SE	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions Heard 4 undetermined explosions Heard 2 bursts Recorded 10 tracers from E to W Recorded 3 tracers from E to W	HMG - N/K - HMG	12 November, 11:50 12 November, 12:03-12:34 12 November, 13:01 12 November, 14:25-14:55 10 November, 17:02 10 November, 17:03
Avdiivka	4-5km S 2-4km SW 3-4km S 3-4km SW	Heard 1 undetermined explosion Heard 6 bursts Heard 2 undetermined explosions Heard 8 undetermined explosions Heard 2 undetermined explosions Heard 4 undetermined explosions Heard 4 bursts Recorded 10 tracers from E to W	HMG - N/K	12 November, 11:50 12 November, 12:03-12:34 12 November, 13:01 12 November, 14:25-14:55 10 November, 17:02

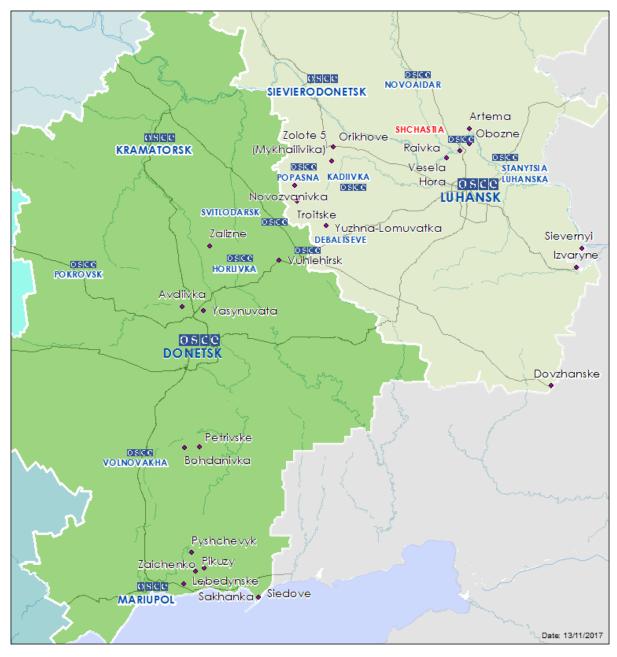
Oleksandrivka		Heard 17 shots	Small arms	12 November, 09:40-09:55
("DPR"-controlled, 20km SW of Donetsk)	2-3km W	Heard 3 undetermined explosions	N/K	12 November, 10:09-10:14
SMM camera at		Recorded 1 tracer from E to W		10 November, 16:47
Donetsk Filtration		Recorded 2 undetermined explosions		10 November, 17:00
Station (15km N of		Recorded 1 tracer from E to W		10 100 veilibet, 17.00
Donetsk)		Recorded 4 undetermined explosions Recorded 3 tracers from W to E	N/K	10 November, 17:01
		Recorded 4 projectiles from W to E		
		Recorded 25 projectiles from E to W Recorded 3 undetermined explosions		10 November, 17:02
		Recorded 1 undetermined explosion	1	10 November, 17:03
		Recorded 2 undetermined explosions	-	10 November, 17:05
		Recorded 3 explosions (outgoing)	Mortar (type N/K)	10 November, 17:09
		Recorded 1 explosion (impact)		10 November, 17.09
		Recorded 1 undetermined explosion Recorded 1 undetermined explosion	-	10 November, 17:11
		Recorded 1 tracer from E to W		10 November, 17:39
		Recorded 1 tracer from W to E	_	10 November, 18:08
		Recorded 4 tracers from E to W	1	,
		Recorded 3 undetermined explosions		10 November, 18:17
		Recorded 1 undetermined explosion		10 November, 18:18
		Recorded 3 undetermined explosions	-	10 November, 18:19
		Recorded 3 undetermined explosions		10 November, 18:27
		Recorded 5 undetermined explosions Recorded 1 projectile from E to W	-	10 November, 18:40
		Recorded 5 tracers from E to W		10 November, 18:41
		Recorded 5 tracers from E to W		10 November, 18:43
		Recorded 1 undetermined explosion		10 November, 18:44
		Recorded 2 tracers from W to E	N/K	10 November, 19:13
		Recorded 1 tracer from W to E		10 November, 19:27
		Recorded 3 tracers from W to E Recorded 1 tracer from W to E		10 November, 19:33 11 November, 02:27
	0.5-1.5km S	Recorded 1 tracer from W to E Recorded 3 projectiles from E to W		11 November, 02:27
		Recorded 5 projectiles from E to W		11 November, 02:28
		Recorded 4 projectiles from E to W	=	11 November, 02:29
		Recorded 1 undetermined explosion		11 November, 02:40
		Recorded 2 projectiles from E to W		11 November, 02:41
		Recorded 6 projectiles from E to W		11 November, 02:42
		Recorded 1 projectile from E to W	_	11 November, 03:06 11 November, 04:50
		Recorded 1 explosion (impact) Recorded 2 projectiles from E to W		11 November, 04:55
		Recorded 2 undetermined explosions		11 November, 04:56
		Recorded 1 undetermined explosion		11 November, 04:59
		Recorded 1 tracers from E to W	-	11 November, 05:07
		Recorded 1explosion (impact) Recorded 14 undetermined explosions.	-	11 November, 15:34
		Recorded 2 projectiles from W to E.	_	11 November, 15:36
		Recorded 1 projectile from W to E		11 November, 15:39
		Recorded 1 undetermined explosion		11 November, 15:40
		Recorded 3 undetermined explosions		,
		Recorded 2 tracers from W to E Recorded 1 undetermined explosion		11 November, 15:41 11 November, 15:42
		Recorded 1 airburst	Artillery	11 November, 15:44
		Recorded 1 undetermined explosion		11 November, 15:45
		Recorded 1 tracer from W to E	-	·
		Recorded 2 undetermined explosions	4	11 November, 15:49
		Recorded 2 undetermined explosions Recorded 5 undetermined explosions	N/K	11 November, 15:57 11 November, 15:58
		Recorded 6 undetermined explosions	1	11 November, 15:59
		Recorded 7 undetermined explosions	1	11 November, 16:00
		Recorded 6 undetermined explosions		11 November, 16:01
		Recorded 2 undetermined explosions	N/K	11 November, 16:02

	1	T. 1.10 1	1	1131
		Recorded 2 undetermined explosions	4	11 November, 16:03
		Recorded 1 undetermined explosion	4	11 November, 16:05
		Recorded 1 undetermined explosion		11 November, 16:12
		Recorded 1 projectile from W to E Recorded 2 explosions (incoming)	1	11 November, 16:31
		Recorded 3 projectiles from W to E	-	11 November, 17:51
		Recorded 1 airburst	Artillery	11 November, 18:30
		Recorded 1 undetermined explosion	-	11 November, 18:34
		Recorded 1 projectile from E to W		12 November, 02:38
		Recorded 1 undetermined explosion		12 November, 03:06
		Recorded 1 undetermined explosion		12 November, 03:09
		Recorded 1 undetermined explosion		12 November, 03:10
		Recorded 1 projectile from E to W		12 November, 03:38
		Recorded 1 tracer from E to W		12 November, 16:03
		Recorded 1 tracer from E to W	N/K	12 November, 16:04
		Recorded 1 undetermined explosion	11/11	12 November, 10.04
		Recorded 6 tracers from E to W	=	12 November, 16:07
		Recorded 5 tracers from E to W	- -	
		Recorded 1 projectile from E to W		12 November, 16:08
		Recorded 5 tracers from E to W	1	12 November, 16:09
		Recorded 1 undetermined explosion	1	12 November, 17:20
			-	12 November, 17:20 12 November, 17:23
T -1 J1-		Recorded 1 undetermined explosion		12 November, 17:25
Lebedynske (government-				
controlled, 15km NE	N/K E	Heard 1 undetermined explosion	N/K	11 November, 09:26
of Mariupol)				
2km SSE of		Heard 2 undetermined explosions	N/K	
Lebedynske	2-3km E	Heard 2 bursts	Small arms	11 November, 10:36-10:42
(government-	3-4km ESE	Heard 6 undetermined explosions		
controlled, 15km NE	N/K NNE	Heard 10 undetermined explosions	N/K	11 November, 10:46-10:58
of Mariupol)	2-3km NE	Heard 4 bursts	Small arms	11 November, 10.40-10.50
	N/K NNE	Heard 2 undetermined explosions		11 November, 11:05
	3-4km NE	Heard 6 undetermined explosions	N/K	
	N/K NE	Heard 9 undetermined explosions		11 November, 11:12-11:22
2km SSE of Sakhanka ("DPR"- controlled, 24km NE of Mariupol)	1km W	Heard 17 undetermined explosions	N/K	11 November, 10:26-10:32
2.4km SE of	21/17/11/	Heard 4 bursts	HMG	
Sakhanka ("DPR"-	N/K W	Heard 9 undetermined explosions		11.31
controlled, 24km NE	N/K N	Heard 8 undetermined explosions	N/K	11 November, 10:35-10:50
of Mariupol)	N//K S	Heard 2 undetermined explosions		
SMM camera in		Recorded 6 tracers from E to W		10 November, 18:18
Shyrokyne (20km E		Recorded 1 tracer from E to W		10 November, 18:32
of Mariupol)	N/K	Recorded 3 tracers from W to E	N/K	
		Recorded 1 illumination flare from N		10 November, 18:55
		to S		10 M 1 10 77
		Recorded 2 tracers from W to E		10 November, 18:57
		Recorded 2 tracers from W to E Recorded 1 undetermined explosion		10 November, 19:01 11 November, 22:29
	4-6km N	Recorded 1 undetermined explosion Recorded 1 undetermined explosion	-	11 November, 22:29 11 November, 22:43
1km SW of		Heard 7 undetermined explosions		11 November, 22:45
Shyrokyne (20km E		Heard 2 explosions (and saw smoke	N/K	
of Mariupol)	N/K ENE	rising) (impacts)	- 1/ - 1	11 November, 10:26
		Heard uncountable overlapping bursts	ID (C. 1. "	1110.0111001, 10.20
		and shots	HMG and small arms	
Bezimenne ("DPR"-controlled, 30km E of Mariupol)	N/K W	Heard 4 undetermined explosions	N/K	11 November, 11:30
	N/K W	Heard 4 undetermined explosions Heard 23 undetermined explosions Heard 4 bursts	N/K	11 November, 11:30 11 November, 12:00-12:20

NE of Mariupol)	N/K SW	Heard 3 undetermined explosions		11 November, 12:40-12:45
1.5km E of		•		
Kulykove ("DPR"-	N/K SW	Heard 3 undetermined explosions	N/K	11 November, 13:05
controlled, 30 Km	TV/K S W	Treate 5 undetermined expressions	14/14	1111000000001, 13.03
NE of Mariupol)	<u> </u>		1	
1km NNW of entry-		Heard 5 bursts	HMG	12 November, 10:12-10:15
exit checkpoint		Heard 10 shots	Small arms	,
Pyshchevyk		Heard 13 undetermined explosions	N/K	12 November, 13:43-13:45
(government- controlled, 25km NE	N/K SSE	Heard 1 burst	Small arms	
of Mariupol)		Heard 6 single shots	IFV (BMP-2) cannon	12 November, 13:53-13:56
of Marapol)		Heard 2 undetermined explosions	(30mm) N/K	
		Heard 1 shot	IFV (BMP-2) cannon	12 November, 13:59- 14:02
	4-5km SW	Heard 1 undetermined explosion	N/K	
	2-3km	Heard 7 bursts	Small arms	†
	SE/SSE	Tione / buists	Siliuli ullis	12 November, 14:00-14:37
	4-5km	Heard 50 undetermined explosions		1
	SE/SSE	•		
	N/K SE	Heard 4 undetermined explosions		
	N/K S	Heard 3 undetermined explosions	N/K	12 November, 14:39-14:44
	N/K SSE	Heard 14 undetermined explosions		12 November, 14.35-14.44
	N/K E	Heard 4 undetermined explosions		
	N/K SE	Heard 2 undetermined explosions		
		Heard 15 shots	Small arms	12 November, 14:44 -15:02
	N/K E	Heard 16 shots		12110 (01110 011, 11111 10102
	N/K SE	Heard 1 burst	HMG	
	N/K ESE	Heard 2 undetermined explosions		
	N/K S	Heard 62 undetermined explosions	N/K	1237 1 15 00 15 15
	N/K SE	Heard 16 undetermined explosions	4	12 November, 15:09 -15:47
	N/K E	Heard 1 undetermined explosion	C11	4
Pikuzy (formerly	N/K ESE	Heard 16 shots Heard 3 undetermined explosions	Small arms N/K	12 November, 11:12
Kominternove,		Heard 3 undetermined explosions	IN/IX	12 November, 11:12
"DPR"-controlled,	700m–1km S			
23km NE of	700m Tam B	Heard 7 bursts	Small arms	12 November, 11:16
Mariupol)				
Horlivka ("DPR"-				
controlled, 39km NE	3-5km WNW	Heard 1 undetermined explosion	N/K	11 November, 09:13
of Donetsk)				
Svitlodarsk	6-7km SE	Heard 1 undetermined explosion	N/K	10 November, 18:40
(government-	5-6km SE	Heard 5 bursts (3-5 shots each)	HMG	10 November, 19:06-19:11
controlled, 57km NE	3 OKIII BE	Heard 6 undetermined explosions	N/K	10 November, 19:14
of Donetsk)	4-6km SE	Heard 6 bursts (3-5 shots each)	HMG	10 November, 19:21
		Heard 53 bursts (3-5 shots each)	Small arms	10 November, 20:00-20:30
	4-6km SSE	Heard 3 bursts (3-5 shots each)	HMG	10 November, 21:00
	5-6km SE	Heard 31 bursts (3-5 shots each)	Small arms	10 November, 21:00-21:15
	6-8km S	Heard at least 30 shots Heard 3 bursts	IIMC	11 November, 17:30-18:00
	5 6km CE		HMG	11 November, 20:30 11 November, 21:00
	5-6km SE	Heard 4 undetermined explosions Heard 16 bursts	N/K HMG	*
	<u> </u>	Heard 5 undetermined explosions	N/K	11 November, 21:02-21:10 11 November, 21:10-21:13
	5-7km SE	Heard 9 bursts	11/15	11 November, 21:17-21:18
	4-6km SSE	Heard 2 bursts	HMG	11 November, 21:17-21:18
	4-6km SE	Heard 8 bursts	1	11 November, 21:24 11 November, 21:28
	5-7km SW	Heard 5 undetermined explosions	N/K	12 November, 17:00-17:10
E edge of Stanytsia	1	Heard 1 undetermined explosion	=	22.2.2.2.001, 27.00 17.10
Luhanska	3-4km S	(unable to assess whether inside or		10 November, 21:03
(government-		outside the disengagement area)	N/V	ĺ
controlled, 16km NE		Heard 1 undetermined explosion	N/K	
of Luhansk)	6-8km SSE	(assessed as outside the		10 November, 21:09
		disengagement area)		
		Heard 1 burst (unable to assess		
	3km S	whether inside or outside the	HMG	11 November, 21:32
		1 1.	ĺ	1
E edge of Zolote-5	1-2km E	disengagement area) Heard 90 shots (assessed as a live-fire	Small arms	12 November, 13:21-13:38

	exercise)		
8-10 km	Haard 1 undstarmined synlogien	N/V	11 November, 11:58
WNW	Heard 1 undetermined explosion	IN/K	11 November, 11.38
10 151 CW	II	NI/IZ	12 N
10-15km SW	Heard 1 undetermined explosion	IN/K	12 November, 12:53
	Heard 31 shots	HMG	
2-4km WNW	II 10 ()	NI/IZ	12 November, 11:29-11:36
	Heard 2 outgoing explosions	N/K	·
5-7km NNW	Heard 5 undetermined explosions		12 November, 13:45-14:00
5-7km W	Heard 2 undetermined explosions	N/K	12 November, 14:08-14:11
5-7km N	Heard 3 undetermined explosions		12 November, 14:13-14:20
5-7km W	Heard 2 undetermined explosions		12 November, 14:25
	Heard 52 undetermined explosions	NI/IZ	
8-10km W		N/K	12.34
		In Co.	12 November, 16:08-16:54
	Heard 10 bursts	HMG	
6 101 GGE	H 160 1 : (4 :)	ACI	12.11
6-10km SSE	Heard ou explosions (outgoing)	AGL	12 November, 16:40-16:50
	WNW 10-15km SW 2-4km WNW 5-7km NNW 5-7km W 5-7km N	8-10 km WNW Heard 1 undetermined explosion 10-15km SW Heard 1 undetermined explosion 2-4km WNW Heard 31 shots Heard 2 outgoing explosions 5-7km NNW Heard 5 undetermined explosions 5-7km W Heard 2 undetermined explosions 5-7km W Heard 3 undetermined explosions 5-7km W Heard 2 undetermined explosions Heard 52 undetermined explosions (possibly impacts) Heard 10 bursts	8-10 km WNW Heard 1 undetermined explosion N/K 10-15km SW Heard 1 undetermined explosion N/K 2-4km WNW Heard 31 shots HMG 4-4km WNW Heard 2 outgoing explosions N/K 5-7km NNW Heard 5 undetermined explosions 5-7km W Heard 2 undetermined explosions 5-7km W Heard 3 undetermined explosions 5-7km W Heard 2 undetermined explosions 6-7km W Heard 2 undetermined explosions 6-7km W Heard 2 undetermined explosions 6-7km W Heard 10 bursts HMG Heard 10 bursts HMG

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 base from which SMM staff has temporarily relocated since 27 September 2016 based on recommendations of security experts from participating States.)