SMM position	Location of	Observation	Type of	Date/time
	event		weapon/ammunition	
SMM camera in Shyrokyne,		Recorded 16 direct tracer bursts from W to E	Cannon (N/K calibre)	7 November, 16:50- 16:57
(government- controlled, 20km E of		Recorded 4 direct tracer bursts from E to W	HMG	7 November, 16:51
Mariupol)		Recorded 1 indirect rocket- assisted projectile from W to E		7 November, 16:54
		Recorded 4 explosions (impacts)	N/K	7 November, 19:24- 19:30
		Recorded 1 undetermined explosion		7 November, 19:32- 19:33
		Recorded 1 rocket-assisted projectile from WSW to ENE		7 November, 19:33
	N/K, NE	Recorded 70 rocket-assisted projectiles from W to E	N/K	7 November, 20:05- 20:07
		Recorded 34 rocket-assisted projectiles from W to E		7 November, 20:16- 20:17
		Recorded 15 direct tracers from W to E		7 November, 20:18
		Recorded 4 direct tracers from W to E		7 November, 20:34
		Recorded 47 direct tracers from W to E	Cannon (N/K calibre)	7 November, 20:40- 20:50
		Recorded 23 direct tracers from E to W		7 November, 20:40- 20:50
		Recorded 8 rocket-assisted projectiles from W to E	N/K	7 November, 20:49
		Recorded 9 bursts of direct tracers from W to E	Anti-aircraft-gun (ZU-23-2, 23mm)	7 November, 22:15
	N/K NNE	Recorded 4 rocket-assisted projectiles from E to W	N/K	8 November, 00:32
	1 41 N	Recorded 12 air burst explosions		8 November, 16:43- 16:44
	1-4km N	Recorded 2 explosions (impacts)	Artillery (N/K calibre)	
	5-6km NE	Recorded 3 explosions (impacts)		8 November, 17:28- 17:30
Svitlodarsk (government-		Heard 3 undetermined explosions	N/K	7 November, 18:49- 18:59
controlled, 57km NE of Donetsk)		Heard 17 bursts (outgoing)	HMG	7 November, 18:49- 18:59
		Heard 13 bursts (outgoing)	Anti-aircraft-gun (ZU-23-2, 23mm)	7 November, 18:49- 18:59
	2-3km SSE	Heard 4 undetermined explosions	N/K	7 November, 19:00- 19:20
	2-5811 5512	Heard 12 bursts (outgoing)	HMG	7 November, 19:00- 19:20
		Heard 4 bursts (outgoing)		7 November, 19:00- 19:20
		Heard 1 undetermined explosion	N/K	7 November, 20:02
		Heard 18 bursts (outgoing)	HMG	7 November, 20:44-

Table of ceasefire violations as of 8 November 2016¹

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.

				20:54
		Heard 6 undetermined	N/K	7 November, 20:44-
		explosions	-	20:54
	2-3km SE	Heard 3 bursts (outgoing)	HMG	7 November, 21:22
		Heard 18 undetermined explosions	Mortar (N/K calibre)	9 November 15:10
		Heard at least 25 bursts	HMG	8 November, 15:10- 15:20
		Heard 7 bursts	Anti-aircraft-gun (ZU-23-2, 23mm)	10.20
	2-4km SE	Heard 33 undetermined explosions	Mortar (N/K calibre)	
		Heard at least 20 bursts	HMG	8 November, 15:20- 15:30
		Heard 10 bursts	Anti-aircraft gun (ZU- 23)	15.50
		Heard 50 undetermined explosions	Mortar (N/K calibre)	
		Heard 17 bursts	HMG	8 November, 15:30-
	2-5km SE	Heard 30 bursts	Small arms	15:40
		Heard 3 undetermined	Recoilless gun (SPG-	
		explosions	9, 73mm)	
		Heard 3 bursts	HMG	
	2km SE	Heard 5 bursts	Anti-aircraft-gun (ZU-23-2, 23mm)	8 November, 16:37
		Heard 3 undetermined explosions	N/K	
		Heard 5 bursts	HMG	
		Heard 4 bursts	Anti-aircraft-gun (ZU-23-2, 23mm)	8 November, 16:42
	2-4km SE	Heard 6 undetermined		
		explosions	N/K	
		Heard 1 undetermined explosion		8 November, 17:06
		Heard 2 bursts	HMG	
		Heard 94 undetermined explosions	Mortar (N/K calibre)	8 November, 17:10- 17:30
		Heard uncountable bursts	HMG	8 November, 17:25- 17:30
	2-5km SSE	Heard 47 undetermined explosions		8 November, 17:30- 17:40
		Heard 52 undetermined explosions	Mortar (N/K calibre)	8 November, 17:40- 18:00
		Heard 11 bursts	HMG	
Park Inn Hotel ("DPR"-controlled,	8-10 km NW	Heard 3 undetermined explosions	N/K	7 November, 19:34
Donetsk city centre)		Heard 1 undetermined	—	7 November, 19:35
		explosion Heard 1 undetermined		7 November, 19:49
		explosion Heard 2 undetermined		7 November, 20:59
		explosions Heard 1 undetermined	—	7 November, 22:10
		explosion Heard 2 undetermined	—	7 November, 22:17
		explosions Heard 1 undetermined		7 November, 22:21
		explosion Heard 1 undetermined		7 November, 22:44
		explosion Heard 1 undetermined		7 November, 22:52
		explosion		

		avalaciona		
		explosions	-	0.11 00.10
		Heard 1 undetermined explosion		8 November, 23:18
		Heard 5 undetermined	-	8 November, 23:19
		explosions		6 100 veniber, 25.17
		Heard 2 undetermined		8 November, 23:22
		explosions	-	
		Heard 2 undetermined explosions		8 November, 23:40
		Heard 1 undetermined	-	8 November, 23:41
		explosion		01101011001,20111
		Heard 1 undetermined		8 November, 23:42
		explosion	-	
		Heard 3 undetermined explosions		8 November, 23:43
		Heard 2 undetermined	-	8 November, 23:46
		explosions		6 1 (6 veniber, 25.46
		Heard 2 undetermined		8 November, 00:12
		explosions	-	
		Heard 2 undetermined		8 November, 02:30
		explosions Heard 2 undetermined	4	8 November, 03:24
		explosions		5 110 venicer, 05.27
		Heard 3 undetermined	1	8 November, 03:48
		explosions		
SMM camera in Avdiivka		Recorded 2 illumination flares W to E		7 November, 19:53
(government-		Recorded 10 undetermined	-	
controlled, 17km N	2-3km SE	projectiles from W to E		7 November, 19:54
of Donetsk)		Recorded 4 undetermined		7 November, 19:55
		projectiles from W to E		7 November, 19.55
		Recorded 1 illumination flare W to E		7 November, 19:55
		Recorded 1 illumination flare	-	5) 10 55
		W to E		7 November, 19:57
	4-5km ESE	Recorded 1 illumination flare E to W		7 November, 19:58
		Recorded 2 undetermined		
		projectiles from S to N		7 November, 20:00
		Recorded 2 undetermined		7 November, 20:00
		projectiles from N to S		7 November, 20.00
	3-4km E	Recorded 1 illumination flare		7 November, 20:05
		W to E Recorded 3 illumination flares	4	
	2-3km SE	W to E	N/K	7 November, 20:13
	2-3KIII SE	Recorded 12 undetermined		7 November, 20:18
		projectiles from W to E	4	. 1.0. ember, 20.10
		Recorded 3 undetermined explosions		7 November, 23:00
		Recorded 2 undetermined	1	
	3-4km SE	explosions		7 November, 23:01
	J-4KIII SE	Recorded 1 illumination flare E		7 November, 23:02
		to W Recorded 1 undetermined	4	. 1.6. enioer, 25.02
		explosion		7 November, 23:05
		Recorded 25 undetermined	1	
	4-5km ESE	projectiles from W to E and		7 November, 23:06
		from E to W	4	
		Recorded 2 illumination flares E to W		7 November, 23:06
	+-JAIII LOE	Recorded 3 undetermined	1	
		explosions		7 November, 23:08
		Recorded 3 undetermined]	7 November, 23:16
		explosions		

		1	1	
		Recorded 2 undetermined explosions		7 November, 23:18
		Recorded 1 undetermined explosion		7 November, 23:22
		Recorded 2 illumination flares W to E	-	7 November, 23:23
		Recorded 1 illumination flare W to E		7 November, 23:25
		Recorded 1 undetermined projectile from W to E	-	7 November, 23:25
		Recorded 2 illumination flares W to E		7 November, 23:41
	3-4km SE	Recorded 1 undetermined explosion	-	8 November, 00:05
	4-5km ESE	Recorded 1 undetermined	-	8 November, 03:30
		explosion Recorded 2 undetermined		8 November, 11:07
		explosions Recorded 1 undetermined	-	8 November, 11:18
		explosion Recorded 1 undetermined		8 November, 11:19
		explosion Recorded 2 undetermined	-	8 November, 13:04
	4-5km SE	explosions Recorded 2 undetermined	N/K	8 November, 13:35
		explosions Recorded 2 undetermined	-	8 November, 13:36
		explosions Recorded 1 undetermined		8 November, 13:37
		explosion Recorded 1 undetermined air	-	8 November, 13:41
		burst Recorded 4 undetermined		
		projectiles in flight from NW to SE	N/K	8 November, 16:11
		Recorded 2 explosions (impacts)		
	3-4 km ESE	Recorded 1 explosion (outgoing)		8 November, 16:13
		Recorded 2 undetermined projectiles from NW to SE		8 November, 16:23
		Recorded 2 undetermined projectiles from NW to SE		8 November, 16:24
	4-5km ESE	Recorded 1 undetermined explosion		8 November, 16:25
SMM camera at Oktiabr mine ("DPR"-controlled,	4-5km ESE	Recorded 2 illumination flares E to W	N/K	7 November, 21:03
9km NW of Donetsk)	2-3km SSE	Recorded 1 illumination flare W to E		7 November, 21:09
Horlivka ("DPR"- controlled, 39km NE of Donetsk)	5-7km W	Heard 1 explosion (impact) Heard 2 undetermined explosions	Mortar (122mm) N/K	7 November, 20:55
	3-5km WSW	Heard 6 bursts (3-5 shots)	Small arms	7 November, 21:45- 21:48
	5-7km WSW	Heard 2 undetermined explosions	N/K	7 November, 21:48

		Heard 2 undetermined		7 November, 21:52
4-6km	n WSW	explosions Heard 6 explosions (impacts)	IFV (BMP-2)	
2.51	117		(cannon, 30mm)	7 November, 21:55
3-5km W	Heard at least 12 shots	Small arms		
		Heard 5 bursts (2-3 shots)		
5-7kn	n W	Heard 1 undetermined explosion	N/K	7 November, 22:56
4-5kn	n W	Heard 4 bursts (4-5 shots)	Small arms	7 November, 23:01
	n WSW	Heard 1 explosion (impact)		,,
6-7kn		Heard 1 undetermined explosion	N/K	7 November, 23:12
4-5kr	n WNW	Heard 1 burst (5 shots)	Small arms	7 November, 23:14
6-7kr	n WNW	Heard 8 undetermined		
0-7 KI		explosions	_	7 November, 23:19 –
5-6kn	n WNW	Heard 1 undetermined explosion	N/K	23:20
5-7kn		Heard 4 undetermined explosions		7 November, 23:25 – 23:26
3-5km	n W	Heard 5 bursts (2-5 shots)	Small arms	7 November, 23:28
7-8kn	n W	Heard 1 undetermined		7 November, 23:32
/-0KI		explosion	N/K	, 110 veniller, 23.52
4-6kn	n WNW	Heard 3 undetermined explosions		7 November, 23:36
4-5kn	n W	Heard 7 bursts	Small arms	
4-6kr	n WNW	Heard 4 undetermined		7 November, 23:42 -
4-0KI		explosions	N/K	23:44
1.0	337	Heard 1 undetermined		7 November, 23:46
4-6kn	n w	explosion Heard 3 bursts (2-3 shots)	HMG	07 November, 23:53
4-5kn	n W	Heard 5 bursts (2-3 shots)	Small arms	8 November, 00:01
4-JKI	li vv	Heard 1 undetermined	Sinan arms	o November, 00.01
6-7kn	n W	explosion		8 November, 00:02
5-6kn	n W	Heard 2 undetermined	_	8 November, 00:03
		explosions Heard 2 undetermined	_	
7-8kn	n W	explosions	N/K	8 November, 00:16
7-8kn	n WNW	Heard 1 undetermined explosion		8 November, 00:19
5-7kn	n W	Heard 1 undetermined	-	8 November, 00:30
		explosion	- ID (C	
		Heard 1 burst (10 shots)	HMG	9 November 00.22
		Heard 2 undetermined	N/K	8 November, 00:33
		explosions Heard 5 explosions (impacts)	AGL	
4-6kn	n W	Heard 3 bursts (2-4 shots)	Anti-aircraft-gun (ZU-23-2, 23mm)	8 November, 02:25
		Heard 4 undetermined		
		explosions	N/K	8 November, 02:33
3-4kn	n W	Heard 7 shots	Small arms	01100000000000, 02000
		Heard 28 undetermined		8 November, 13:10-
8 10L	m WSW	explosions	N/K	14:18
0-10K		Heard 27 undetermined		8 November, 14:23-
		explosions		15:23
		Heard 8 shots	Small arms	8 November, 14:43
3-4km	n WSW	Heard 13 shots	HMG	8 November, 14:50
		Heard 6 shots	Small arms	8 November, 14:55
8-10k	am W	Heard 7 undetermined explosions	N/K	8 November, 14:27
5 (1	n NIN7	Heard 5 bursts	IIMC	8 November, 14:37
5-6kn	n NW	Heard at least 8 bursts	- HMG	8 November, 14:46
9 101	m SW	Heard impacts (lasting 30	MLRS (BM-21 Grad,	8 November, 16:29
0-10K		seconds)	122mm)	5 INOVEILIDEI, 10.29

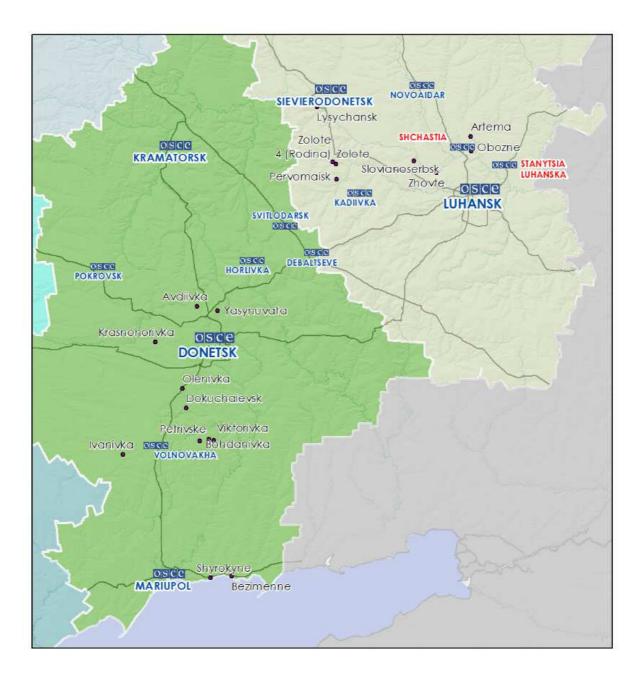
	I			
	7-9km SW	Heard 4 undetermined explosions	21/17	8 November, 16:40
	6-8km SW	Heard 4 undetermined explosions	- N/K	8 November, 16:44- 16:45
	8-9km WSW	Heard 1 undetermined explosion	N/K	8 November, 18:23
	4-5km SW	Heard 25 bursts	HMG	8 November, 18:24- 18:31
	4-3KIII 3 W	Heard 11 undetermined explosions	- N/K	8 November, 18:20- 18:30
	6-7km WSW	Heard 3 undetermined explosions		8 November, 18:31
	5-6km W	Heard 63 bursts	HMG	8 November, 18:35- 18:39
	8-10km W	Heard 17 undetermined explosions	N/K	8 November, 18:39- 1840
	5 Chara W	Heard 6 bursts	Anti-aircraft gun (ZU- 23-2, 23mm)	8 November 18:41
	5-6km W	Heard 10 bursts	IFV (BMP-2) (cannon, 30mm)	8 November, 18:45
	7-9km W	Heard 3 undetermined explosions	N/K	8 November, 18:58
	4-5km W	Heard 26 bursts	HMG	8 November, 19:00- 19:02
	< 01 NV	Heard 14 undetermined explosions	NUZ	8 November, 19:02- 19:06
	6-8km W	Heard 51 undetermined explosions	- N/K	8 November, 19:18- 19:30
Debaltseve ("DPR"- controlled, 58km NE of Donetsk)	5-10km NW	Heard 4 undetermined explosions	N/K	8 November, 01:55
		Heard 48 undetermined explosions	N/K	8 November, 13:53-
	5-7km WNW	Heard at least 170 overlapping bursts and shots	HMG, small arms	14:37
	5-7km NW- WNW	Heard 152 undetermined explosions Heard 207 undetermined explosions	-	8 November, 15:05- 15:33 8 November, 15:35- 15:57
	7-10km NW	Heard 76 undetermined explosions Heard 5 airbursts	_ N/K	8 November, 16:00- 18:00
Krasnohorivka (government-		Heard 1 undetermined explosion	N/K	8 November, 09:45
controlled, 21km W of Donetsk)	1-2km SE	Heard 1 burst	HMG	8 November, 10:16
,		Heard 3 bursts		8 November, 10:18
	2km SE	Heard 6 explosions	AGL	8 November, 10:24
	2-3km SE	Heard 8 shots Heard 1 undetermined	HMG	8 November, 10:25
	3-4km SE	explosion Heard 3 undetermined	N/K	8 November, 10:40
		explosions Heard 1 undetermined explosion	1	8 November, 10:42
	2km SE	Heard 1 explosion (outgoing)	Mortar (N/K calibre)	8 November, 10:45
		Heard 1 explosion (impact)		
Yasynuvata ("DPR"- controlled, 16km NE		Heard 5 shots	Small arms	8 November, 09:45
of Donetsk)	4-6km WSW	Heard 2 shots		8 November, 09:47
		Heard 6 bursts	HMG	8 November, 09:57
	8-10km W	Heard 1 undetermined	N/K	8 November, 10:22

]	explosion		
		Heard 1 undetermined	-	
		explosion		8 November, 10:27
		Heard 1 undetermined explosion		8 November, 10:35
		Heard 2 undetermined	-	8 November, 10:44
	4 firm WCW	explosions Heard 2 undetermined	4	
	4-6km WSW	explosions Heard 1 undetermined	-	8 November, 10:45
		explosion		8 November, 10:50
		Heard 3 undetermined explosions		8 November, 10:53
		Heard 1 undetermined	-	8 November, 10:54
		explosion Heard 2 undetermined		
		explosions	-	8 November, 11:00
		Heard 2 undetermined explosions		8 November, 11:05
		Heard uncountable overlapping	Small arms	8 November, 11:00-
	3-6km WSW	bursts and shots Heard 4 undetermined		11:10 8 November 11:06
		explosions	-	8 November, 11:06
		Heard 62 undetermined explosions	N/K	8 November, 11:09- 11:15
		Heard 21 undetermined explosions		8 November, 11:17- 11:20
		Heard 92 shots		11.20
	2-6km WSW	Heard 143 bursts	Small arms	8 November, 11:20-
		Heard 30 undetermined	N/K	12:00
	3km W	explosions Heard 1 undetermined	N/K N/K	8 November 12:02
	SKIII W	explosion	IN/K	8 November, 12:02
	1.5-2km W	Heard 8 bursts Heard 7 shots	- Small arms	8 November, 12:07
	2km W	Heard 7 shots Heard 1 burst	HMG	8 November, 12:19
		Heard 1 shot		8 November, 12:20
	1.5km W	Heard 2 bursts	Small arms	8 November, 12:23
		Heard 1 shot	-	8 November, 12:27
	01 W	Heard 4 bursts	HMG	8 November, 12:29
	2km W	Heard 3 bursts		8 November, 12:30
		Heard 12 shots	Small arms	8 November, 12:33
	1.5km W	Heard 4 shots	Sman arms	8 November, 12:34
		Heard 5 shots		8 November, 12:35
		Heard 1 undetermined explosion		8 November, 12:39
	2-3km W	Heard 2 undetermined	N/K	
		explosions Heard 4 shots	Small arms	8 November, 12:43
		Heard 2 undetermined		8 November 12.45
	2km W	explosions Heard 4 undetermined	N/K	8 November, 12:45
		explosions		8 November, 12:46-
		Heard 74 bursts	Small arms	12:49
		Heard 1 undetermined explosion		8 November, 12:49
	1.5km W	Heard 3 undetermined	N/K	
		explosions Heard 25 bursts	Small arms	8 November, 12:50
		Heard 25 bursts	Small arms	

		TT 16 1		
		Heard 5 undetermined explosions	N/K	8 November 12.52
		Heard 38 bursts	Small arms	8 November, 12:52
	2km W	Heard 15 undetermined explosions	N/K	8 November, 12:53
		Heard 27 shots	Small arms	8 November, 12.55
		Heard 7 undetermined	N/V	
		explosions	N/K	8 November, 12:54
	2-3km W	Heard 30 bursts	Small arms	
	2 5811 11	Heard 5 undetermined explosions	N/K	8 November, 12:56
		Heard 18 bursts	Small arms	0110vember, 12.30
		Heard 9 undetermined explosions	N/K	8 November, 12:57
	a 1 W 1	Heard 11 bursts	Small arms	0110 veimeer, 12.5 /
	2km W	Heard 3 undetermined	N/K	
		explosions		8 November, 12:58
		Heard 7 bursts	Small arms	
	1.5-2km W	Heard 2 undetermined explosions	N/K	8 November, 12:59
		Heard 3 bursts	Small arms	
	2-3km W	Heard 4 undetermined explosions Heard 4 undetermined explosions	- N/K	8 November, 13:00
		Heard 10 bursts	HMG	
	2-4km W	Heard 1 undetermined explosion	N/K	8 November, 13:05
		Heard 100 shots	Small arms	
		Heard 12 undetermined	N/K	9 N 1 12 10
	2 41 WOW	explosions Heard uncountable overlapping	0 11	8 November, 13:10- 13:12
	2-4km WSW	bursts and shots	Small arms	
		Heard 12 undetermined explosions		8 November, 13:14- 13:16
	4-6km WSW	Heard 2 undetermined explosions	N/K	8 November, 13:18
		Heard uncountable overlapping bursts and shots	Small arms	8 November, 13:19- 13:20
	2-4km WSW	Heard 3 undetermined explosions		8 November, 13:22
		Heard 7 undetermined explosions	N/K	8 November, 13:24
		Heard 27 undetermined explosions	1	8 November, 13:27-
		Heard uncountable overlapping bursts and shots	Small arms	13:39
		Heard 7 undetermined explosions	N/K	9 Normalia 12.40
	2-6km WSW	Heard 7 bursts	HMG	8 November, 13:40- 13:50
		Heard 5 shots		
		Heard 110 bursts	Small arms	
		Heard 53 shots		8 November, 13:57- 14:15
		Heard 3 undetermined explosions	N/K	14:13
Avdiivka	3-5km SE	Heard 2 explosions (outgoing)	N/K	8 November, 10:26
(government-		Heard 2 explosions (outgoing)	1	8 November, 10:30
controlled, 17km N		Heard 2 explosions (outgoing)]	8 November, 10:35
of Donetsk)		Heard 3 explosions (outgoing)	4	8 November, 10:47
		Heard 1 explosion (outgoing)		8 November, 10:51

	2.4km E	Heard 2 explosions (impost-)		8 November 11.00
	2-4km E	Heard 2 explosions (impacts) Heard 1 explosion (impact)	4	8 November, 11:00 8 November, 11:03
	2-4km SE	Heard 10 bursts	HMG	8 November, 11:05 8 November, 11:10-
	2-4KIII SE	ficard fo buists		11:15
		Heard 50 shots	Small arms	
		Heard 1 explosion (impact)	N/K	8 November, 11:17
	3-5km E	Heard 3 explosions (outgoing)		8 November, 11:22
	2-4km E	Heard 2 explosions (outgoing)		8 November, 11:26
	3-5km E	Heard 2 explosions (outgoing)		8 November, 11:35
		Heard 2 explosions (outgoing)		8 November, 11:37
		Heard 20 bursts	HMG	8 November, 12:00-
		Heard 50 bursts	Small arms	12:15
	2-4km E	Heard 2 explosions (outgoing)	N/K	8 November, 12:42
		Heard 2 explosions (impacts)		
	3-5km E	Heard 2 explosions (outgoing)		8 November, 12:45
		Heard 2 explosions (outgoing)		8 November, 12:47
		Heard 2 explosions (outgoing)		8 November, 12:49
		Heard 2 explosions (outgoing)		8 November, 12:51
		Heard 2 explosions (outgoing)	_	8 November, 12:52
		Heard 2 explosions (outgoing)		8 November, 12:55
		Heard at least 50 bursts	HMG	8 November, 12:55- 13:05
Dokuchaievsk ("DPR"-controlled, 30km SW of Donetsk)	3-5km W	Heard 4 bursts	Small arms	8 November, 10:22
1.5km E of Bohdanivka		Heard 45 bursts		8 November, 10:32- 10:41
(government- controlled, 41km SW	7-8km NNW	Heard 5 bursts	HMG	8 November, 10:43- 10:45
of Donetsk)		Heard 10 shots Heard 5 undetermined		
	7km NNW	explosion	– N/K	8 November, 11:00- 11:05
		Heard 3 undetermined		
		explosions		8 November, 11:05-
		Heard 5 bursts	HMG	11:10
Bezimenne ("DPR"-	N/K N	Heard 5 bursts	Small arms	
controlled, 30km E of	N/K, W	Heard 1 undetermined	N/K	
Mariupol)		explosion		8 November, 10:40-
	N/K, NW	Heard 2 bursts Heard 2 explosions (outgoing)	Cannon (Calibre N/K)	11:14
	N/K, WNW	Heard 2 explosions (outgoing) Heard 2 explosions (impacts)	N/K	
		Heard 2 undetermined		
	N/K, NW	explosions		8 November, 11:21-
	N/K, W	Heard 6 undetermined	N/K	11:52
	11/K, W	explosions		
		Heard 3 undetermined		
	N/K, NW	explosions Heard uncountable overlapping		8 November, 12:03-
		shots	AGL, small arms	12:30
	2-3km NW	Heard and saw 2 airbursts	N/K	1
		Heard 28 undetermined	N/K	
		explosions	1 N/ K	
	N/K, NW	Heard uncountable overlapping shots	AGL, small arms	8 November, 12:35- 13:04
		Heard 5 explosions (outgoing)	N/K	1
		Heard 5 explosions (impacts)		
	3-4km NNE	Heard 1 undetermined explosion	N/K	8 November, 14:05
Ivanivka				
(government- controlled, 59km SW of Donetsk)	N/K, SE	Heard 5 shots	Small arms	8 November, 11:49

Sopyne (government- controlled, 16km E of Mariupol)	8-10km NE	Heard 1 undetermined explosion	N/K	8 November, 11:54
Lebedynske (government-	5km NNE	Heard 1 undetermined explosion	N/K	8 November, 12:24
controlled, 16km E of Mariupol)	15km NW	Heard 3 undetermined explosions	N/K	8 November, 12:55
Artemove (government- controlled, 42km NE of Donetsk)	5km SW	Heard 7 undetermined explosions	N/K	8 November, 13:15
Sukha Balka (government- controlled, 36km north of Donetsk)	2-4km W	Heard 6 undetermined explosions	N/K	8 November, 14:30
Troitske (government- controlled, 69km W of Luhansk)	8-10km SW	Heard 5 undetermined explosions	N/K	8 November, 12:24-12:27
Alchevsk ("LPR"- controlled, 40km W of Luhansk)	N/K E	Heard 1 undetermined explosion	N/K	8 November, 13:35
Zhovte ("LPR"- controlled, 17km NW of Luhansk)	8-10km NW	Heard 6 undetermined explosions Heard 10 bursts	N/K ZU-23	8 November, 13:45-14:05
Kadiivka ("LPR"- controlled, formerly Stakhanov, 50km W of Luhansk)	10-15km between S and W	Heard 45 explosions	Artillery	08 November, 17:35-18:10



Map of Donetsk and Luhansk regions²

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. (In red: forward patrol bases from which SMM staff has temporarily relocated since 27 September based on recommendations of security experts from participating States.)