

**Table of ceasefire violations as of 5 March 2017<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera in Stanytsia Luhanska (government-controlled 16km NE of Luhansk)	1km SE	Recorded 1 flare in vertical flight (assessed as inside the disengagement area)	N/K	2 March, 20:35
	1.2km S	Recorded 1 flare in vertical flight (assessed as inside the disengagement area)		2 March, 21:19
	1.2km S	Recorded 1 flare in vertical flight (assessed as inside the disengagement area)		3 March, 00:54
Donetsk city centre (“DPR”-controlled)	6-10km NW	Heard 4 undetermined explosions	N/K	3 March, 19:15-19:22
		Heard 12 undetermined explosions		3 March, 19:25-19:35
		Heard 9 undetermined explosions		3 March, 19:40
		Heard 8 undetermined explosions		3 March, 19:58
		Heard 8 undetermined explosions		3 March, 20:05-20:15
		Heard 15 undetermined explosions		3 March, 20:20-20:28
		Heard 8 undetermined explosions		3 March, 20:50
		Heard 11 undetermined explosions		3 March, 21:00-21:10
		Heard 6 undetermined explosions		3 March, 21:18-21:34
		Heard 2 undetermined explosions		3 March, 22:35
		Heard 25 undetermined explosions		3 March, 22:47-22:56
		Heard 29 undetermined explosions		3 March, 23:03-23:11
		Heard 21 undetermined explosions		3 March, 23:19-23:36
		Heard 26 undetermined explosions		3 March, 23:39-23:59
		Heard 9 undetermined explosions		4 March, 00:05-00:15
		Heard 17 undetermined explosions		4 March, 00:20-00:35
		Heard 16 undetermined explosions		4 March, 00:38-00:48
Heard 20 undetermined explosions	4 March, 01:00-01:12			
Heard 7 undetermined explosions	4 March, 01:32-01:48			
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	2-3km SW	Heard 25 bursts	Small arms	3 March, 18:30-18:40
	2-3km W	Heard 3 undetermined explosions	IFV (BMP-1) cannon (73mm)	3 March, 18:50-19:00
	4-6km W	Heard 7 undetermined explosions	N/K	3 March, 21:25-21:30
	3-4km W	Heard 36 bursts	HMG	3 March, 21:07-22:03
	10-12 km SW	Heard 14 undetermined explosions	N/K	3 March, 21:37-22:03
SMM camera in Shyrokyne (20km E of Mariupol)	N/K N	Recorded 1 tracer round from SW to NE	N/K	3 March, 19:45
		Recorded 1 tracer round from SW to NE		3 March, 19:48
		Recorded 3 undetermined explosions		3 March, 19:55
		Recorded 1 tracer round from SW		

<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.

		to NE		
		Recorded 3 tracer rounds from S to N		
		Recorded 5 tracer rounds from W to E		3 March, 19:56
		Recorded 1 tracer round from SW to NE		3 March, 20:01
		Recorded 2 tracer rounds from E to W		3 March, 20:13
		Recorded 3 tracer rounds from W to E		3 March, 20:18
		Recorded 2 tracer round from W to E		3 March, 20:42
		Recorded 1 tracers round from S to N		
		Recorded 4 tracers rounds from W to E and		3 March, 20:45
		Recorded 1 tracer round from SW to NE		
	N/K N	Recorded 1 tracer round from SE to N		3 March, 21:05
		Recorded 1 tracer round from E to W		
		Recorded 1 tracer round from S to N		3 March, 23:09
		Recorded 3 tracer rounds from W to E		
		Recorded 5 tracer rounds from W to E		4 March, 00:11
		Recorded 19 tracer rounds from W to E		4 March, 00:12
		Recorded 3 tracer rounds from W to E		4 March, 00:13
		Recorded 6 tracer rounds from W to E		4 March, 04:24
		Recorded 2 tracer rounds from E to W		4 March, 04:27
		Recorded 1 undetermined explosion		4 March, 04:58
		Recorded 1 rocket- assisted projectile from E to W		4 March, 08:19
	N/K N	Recorded 2 rocket- assisted projectile from E to W		4 March, 18:23
		Recorded 1 rocket- assisted projectile from E to W		4 March, 18:26
Petrovskiyi district ("DPR"-controlled, 15km SW of Donetsk city centre)	1-3km W	Heard 5 shots	Small arms	4 March, 12:07
	2-3km SSW	Heard 7 shots		4 March, 12:53-12:58
		Heard 9 bursts		
Avdiivka (government-controlled, 17km N of Donetsk)	1-3km ESE	Heard 6 undetermined explosions	N/K	4 March, 08:30-09:00
		Heard 5 undetermined explosions		4 March, 11:46-12:15
		Heard 5 undetermined explosions		4 March, 12:35-15:00
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	2-3km WSW	Heard 7 undetermined explosions	N/K	2 March, 08:00-08:07
	2-4km WNW	Heard 3 undetermined explosions		4 March, 08:29
	2-4km W	Heard 3 undetermined explosions		4 March, 08:35
	2-4km W	Heard 2 shots	Small arms	4 March, 08:48
	6-8km W	Heard 1 undetermined explosion	N/K	4 March, 08:51
	3-4km NNW	Heard 6 shots	Small arms	4 March, 08:56
	2-4km W	Heard 1 undetermined explosion	N/K	4 March, 09:04
	2-4km W	Heard 1 burst	Small arms	4 March, 09:06
	3-5km WNW	Heard 1 undetermined explosion	N/K	4 March, 09:10
		Heard 1 undetermined explosion		4 March, 09:21
	3-4km WSW	Heard 6 shots	Small arms	4 March, 11:36
	3-5km WSW	Heard 1 undetermined explosion	N/K	4 March, 11:46
3-5km SW	Heard 1 undetermined explosion	4 March, 11:57		

		Heard 3 undetermined explosions		4 March, 12:10-12:20
	2-3km NNW	Heard 3 undetermined explosions		4 March, 15:18
0.6km ESE of Kruta Balka ("DPR"-controlled, 16km N of Donetsk)	2km SW	Heard 1 undetermined explosion	N/K	4 March, 11:59
	2-3km SW	Heard 3 undetermined explosions		4 March, 12:09
	0.3kmSW	Heard 1 shot	Small arms	4 March, 12:18
	0.3kmSW	Heard 1 shot		4 March, 12:22
	2-3km SW	Heard 1 undetermined explosion	N/K	4 March, 12:23
	0.3kmSW	Heard 1 shot	Small arms	4 March, 12:26
	2-3km SW	Heard 1 undetermined explosion		4 March, 12:33
		Heard 1 undetermined explosion	N/K	4 March, 12:37
		Heard 1 undetermined explosion		4 March, 12:46
	3-4km SW	Heard 1 undetermined explosion		4 March, 14:40
	1-km NNW	Heard 2 shots		4 March, 14:43
	0.8km NNW	Heard 2 shots	Small arms	4 March, 15:03
	2.3km NNW	Heard 4 bursts		4 March, 15:10
0.5km SW	Heard 7 undetermined explosion	N/K	4 March, 15:20-15:26	
2km S of Kamianka (government-controlled, 20km N of Donetsk)	1-3km SE	Heard 1 undetermined explosion	N/K	4 March, 14:40
Novohryhorivka "DPR"-controlled 61km NE of Donetsk	3-5km W	Heard 3 bursts	HMG	4 March, 09:15
	6-8km W	Heard 1 undetermined explosion	N/K	
		Heard 1 undetermined explosion		4 March, 09:25
	3-5km W	Heard 4 bursts	HMG	4 March, 09:55
Dokuchaievsk ("DPR"-controlled, 30km SW of Donetsk)	2-3km WNW	Heard 3 bursts		4 March, 12:36
		Heard 6 shots	HMG	
7km N of Horlivka ("DPR"-controlled, 39km NE of Donetsk)	2-4km NNW	Heard 6 undetermined explosions	Mortar (type N/K)	4 March, 09:40-09:54
	2-4km NNE	Heard 6 undetermined explosions	N/K	
	2-4km N	Heard 3 undetermined explosions		4 March, 09:56
		Heard 4 shots	HMG	
	2-4km NNE	Heard 1 undetermined explosion		4 March, 09:58-10:03
	2-4km NNW	Heard 5 undetermined explosions	N/K	
	2-4km NNE	Heard 5 undetermined explosions		
	2-4km N	Heard 8 undetermined explosions		
	2-4km NNW	Heard 3 undetermined explosions		4 March, 10:04-10:20
2-4km NNE	Heard 10 undetermined explosions			
	Heard 5 bursts	HMG	4 March, 10:13	
Mariupol (government-controlled, 102km S of Donetsk)	10-15km E	Heard 4 undetermined explosions		4 March, 08:30-08:32
	10-15km ENE	Heard 4 undetermined explosions	N/K	
	N/K E	Heard 6 undetermined explosions		4 March, 17:43-17:47
Zaichenko ("DPR"-controlled, 26km NE of Mariupol)	2-4km E	Heard 2 undetermined explosions		4 March, 09:35
	2-4km E	Heard 1 undetermined explosion		4 March, 09:45
	N/K ENE	Heard 1 undetermined explosion		
	2-4km E	Heard 2 undetermined explosions		4 March, 09:50-09:55
	N/K ENE	Heard 1 undetermined explosion	N/K	
	2-4km E	Heard 5 undetermined explosions		4 March, 10:00-10:05
	2-4km E	Heard 2 undetermined explosions		
	N/K S	Heard 2 undetermined explosions		4 March, 10:06-10:07
2-3km E	Heard 2 undetermined explosions			
Lebedynske (government-controlled, 16km NE of Mariupol)	2-3km NNE	Heard 3 explosions (outgoing)		4 March, 10:06- 10:07
		Heard 6 undetermined explosions	N/K	4 March, 10:15- 10:17
		Heard 14 undetermined explosions		4 March, 10:30- 10:37
	2-4km NE	Heard 3 bursts	HMG	4 March, 10:54
		Heard 10 shots	AGL	
		Heard 3 undetermined explosions	N/K	4 March, 10:55- 10:56
	2-3km NE	Heard 3 shots	Small arms	4 March, 11:15
	N/K ENE	Heard 6 undetermined explosions		4 March, 11:52
	N/K NE	Heard 56 undetermined explosions	N/K	4 March, 14:22-14:27
	N/K ENE	Heard 10 undetermined explosions		4 March, 14:30-14:45

		Heard 12 explosions (outgoing), followed by 12 explosions (impacts)		
	N/K NE	Heard 8 undetermined explosions		
		Heard 15 single shots	Small arms	
2km SSE of Sakhanka ("DPR"-controlled, 24km NE of Mariupol)	2-3km E	Heard 10 explosions (outgoing)	Artillery (type N/K)	4 March, 10:37- 10:40
	2km NW	Heard 5 bursts	Small arms	
	N/K N	Heard 1 undetermined explosion	N/K	4 March, 10:45-10:50
	4km WSW	Heard 5 bursts	Small arms	
	N/K N	Heard 5 undetermined explosions	N/K	4 March, 10:50-11:20
	N/K NW	Heard 15 bursts	Small arms	
		Heard 40 single shots		
	N/K N	Heard 5 undetermined explosions	N/K	4 March, 11:50-12:30
	2-3km W	Heard 1 undetermined explosion		
	N/K NW	Heard more than 100 bursts	Small arms	
	N/K WSW		Heard more than 100 bursts	
		Heard uncountable overlapping bursts	HMG	
		Heard 179 single shots	Small arms	
		Heard 69 bursts		
	Heard 8 explosions (outgoing)	N/K	4 March, 12:40-12:46	
	Heard 9 explosions (impacts)			
Hnutove (government-controlled, 20km NE of Mariupol)	N/K SE	Heard 10 undetermined explosions	N/K	4 March, 10:35- 10:50
	N/K S	Heard 2 undetermined explosions		
SW edge of Shyrokyne (20km E of Mariupol)	1.5km ENE	Heard 6 undetermined explosions	N/K	4 March, 12:20-12:41
	N/K ENE	Heard 50 shots	Small arms	
		Heard 7 shots	AGL	
Sopyne (government-controlled, 16km E of Mariupol)	2-6km NE	Heard 26 undetermined explosions	N/K	4 March, 13:42-13:56
		Heard 13 undetermined explosions		4 March, 13:56-14:02
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	10-15km W	Heard 276 explosions (impacts and outgoing)	N/K	3 March, 17:30-21:00
		Heard 120 shots		
	3-5km NW	Heard 16 undetermined explosions		3 March, 21:40-21:45
	20km NW	Heard 7 undetermined explosions		
5km N of Kalynove ("LPR"-controlled, 60km W of Luhansk)	5km N	Heard 150 bursts	HMG	4 March, 09:05-09:30
		Heard 80 explosions (impacts and outgoing)	Mortar	
		Heard 50 explosions (impacts and outgoing)	Artillery	
"LPR"-controlled part of the Zolote disengagement area (60km W of Luhansk)	3-5km WNW(outside the disengagement area)	Heard 52 bursts	HMG	4 March, 09:06-09:31
		Heard 30 bursts	Small arms	
		Heard 40 bursts	Cannon (30mm)	
		Heard 35 explosions (impacts and outgoing)	Artillery (120mm)	
		Heard 20 explosions (impacts and outgoing)	Artillery (152mm)	
		Heard 15 explosions (impacts and outgoing)	Mortar (120mm)	
		Heard 20 shots	SPG	
Holubivske ("LPR"-controlled, 51km W of Luhansk)	3-5km SW	Heard over 30 bursts	AGL	4 March, 09:07-09:20
		Heard over 30 bursts	HMG	
Muratove (government-controlled, 51km NW of Luhansk)	8km SW	Heard 10 shots	Small arms	4 March, 09:12-09:25
		Heard 3 bursts	Cannon (30mm)	
		Heard 5 bursts	Anti-aircraft gun (ZU-23, 23mm)	
		Heard 5 explosions (impacts)	Mortar (120mm)	
Sentianivka (formerly Frunze, "LPR"-controlled, 44km W of	0.5-1km NNW	Heard 23 bursts	Cannon (30mm)	4 March, 09:53-09:56

Luhansk)					
1km W of Kriakivka (government-controlled, 38km NW of Luhansk)	3km SW	Heard 3 explosions (impacts)	Mortar (120mm)	4 March, 10:12-10:14	
		Heard 1 burst	IFV (BMP-1) cannon (73mm)		
Zolote-5 ("LPR"-controlled, 61km NW of Luhansk)	3-5km NNE	Heard 4 undetermined explosions	N/K	4 March, 10:26	
Berezivske ("LPR"-controlled, 53km NW of Luhansk)	3km E	Heard 1 undetermined explosion	Artillery (calibre N/K)	4 March, 11:02	
		Heard and saw 1 explosion (impact)			
Troitske (government-controlled, 69km W of Luhansk)	1-1.5km SE	Heard 2 undetermined explosions	Mortar (82mm)	4 March, 12:30	
Staryi Aidar (government-controlled, 20km NW of Luhansk)	10-15km W	Heard 5 undetermined explosions	N/K	4 March, 12:42-12:53	
	5km W	Heard 3 shots			
Donetsk city centre ("DPR"-controlled)	8-10km NW	Heard 2 undetermined explosions	N/K	4 March, 21:23	
		Heard 1 undetermined explosion		4 March, 21:32	
		Heard 1 undetermined explosion		4 March, 21:34	
		Heard 1 undetermined explosion		4 March, 21:44	
		Heard 2 undetermined explosions		4 March, 21:46	
		Heard 1 undetermined explosion		4 March, 22:02	
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	3-5km SW	Heard 11 explosions (outgoing)	Artillery (type N/K)	4 March, 22:21	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km S	Heard 2 undetermined explosions	N/K	4 March, 19:52	
		Heard 1 undetermined explosions		4 March, 19:57	
		Heard 2 undetermined explosions		4 March, 19:58	
		Heard 2 undetermined explosions		4 March, 19:59	
	3-5km SSE	Heard 2 undetermined explosions		4 March, 20:43	
		Heard 2 undetermined explosions		4 March, 20:46	
		Heard 4 undetermined explosions		4 March, 20:47	
		Heard 5 undetermined explosions		4 March, 20:50	
		Heard 4 undetermined explosions		4 March, 20:53	
		Heard 7 undetermined explosions		4 March, 20:56	
		Heard 3 undetermined explosions		4 March, 21:02	
		Heard 4 undetermined explosions		4 March, 21:04	
	3-5km SSE	Heard uncountable and overlapping undetermined explosions		N/K	5 March, 06:29-07:00
		Heard uncountable and overlapping bursts and shots		HMG, small arms	
	5-6km NW	Heard 6 undetermined explosions		N/K	5 March, 07:05
	4-5km SE	Heard 1 explosion (impact)		Artillery (N/K type)	5 March, 10:26
	5-7km SW	Heard 6 undetermined explosions		N/K	5 March, 11:20-11:25
	5km S	Heard 1 undetermined explosion			5 March, 13:30
		Heard 2 undetermined explosions			5 March, 15:00
	5km W	Heard 2 undetermined explosions			5 March, 16:20
2.5km SE	Heard 23 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	5 March, 17:30-18:02		
3km S	Heard 200 shots	Anti-aircraft cannon (ZU-23, 23mm)	5 March, 18:02-18:30		
	Heard 200 bursts	HMG			
	Heard 100 bursts	Small arms			
SMM camera in Shyrokyne (20km E of Mariupol)	N/K N	Recorded 1 illumination flare from E to W	N/K	4 March, 18:42	
		Recorded 1 illumination flare from E to W		4 March, 18:48	
		Recorded 1 rocket-assisted projectile from E to W		4 March, 18:57	
N/K NNE	N/K	Recorded 1 projectile from S to N	N/K	4 March, 21:24	
		Recorded 7 tracer rounds from E to W		4 March, 21:39	

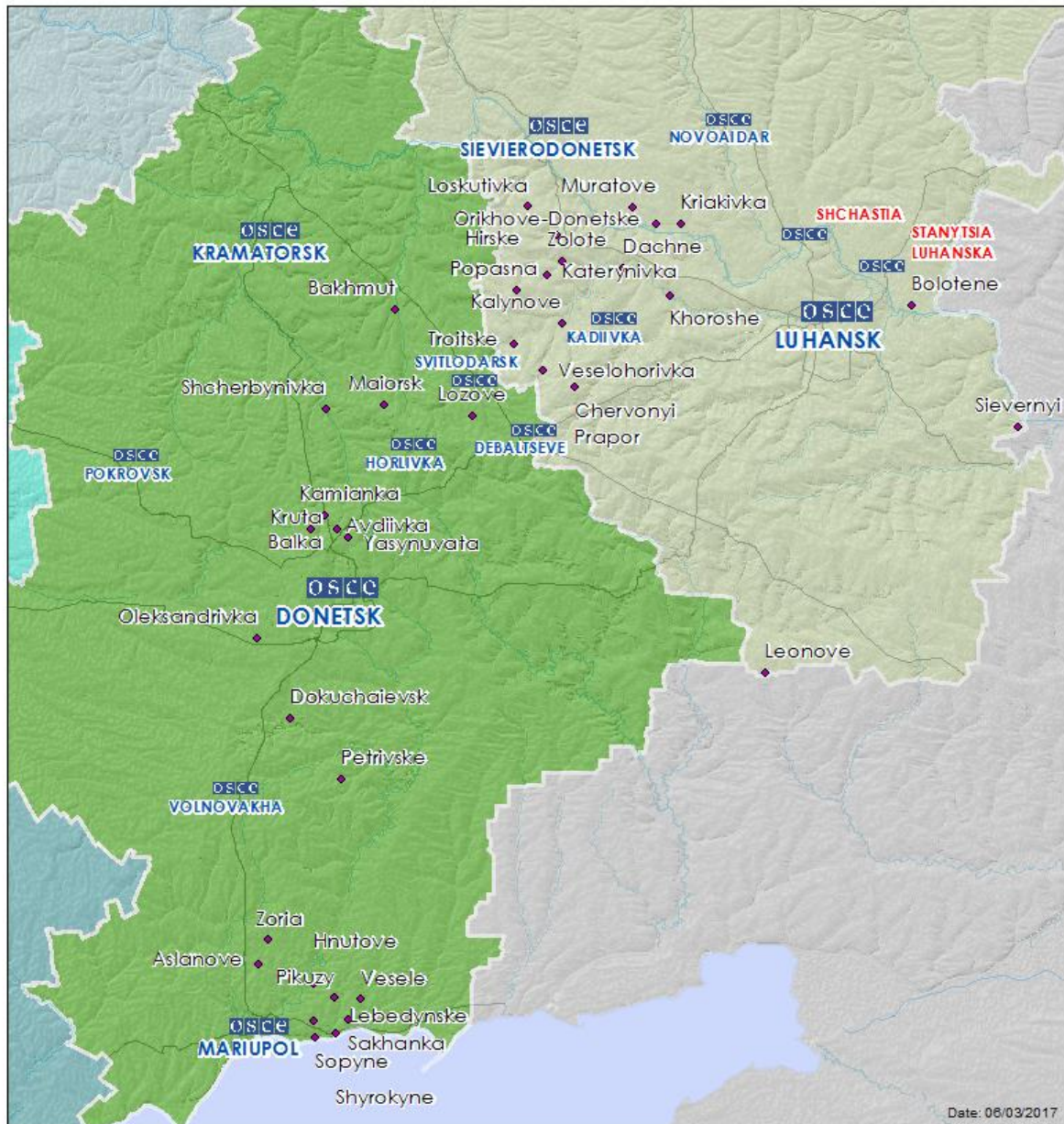
		Recorded 16 tracer rounds from E to W		4 March, 21:42	
		Recorded 14 tracer rounds from SE to NW		4 March, 21:44-21:45	
		Recorded 3 tracer rounds from W to E		4 March, 21:47-21:48	
		Recorded 18 tracer rounds from E to W		4 March, 21:49	
		Recorded 1 tracer round from W to E		4 March, 21:53-21:54	
		Recorded 6 tracer rounds from E to W			
		Recorded 1 tracer round from W to E	N/K	4 March, 21:56	
		Recorded 4 tracer rounds from E to W		4 March, 21:56	
		Recorded 3 tracer round from W to E		4 March, 21:57-21:58	
		Recorded 1 tracer round from W to E		4 March, 22:00	
		Recorded 6 tracer rounds from E to W		4 March, 22:18	
		Recorded 1 tracer round from E to W		4 March, 22:21	
		Recorded 1 tracer round from E to W		4 March, 22:26	
		Recorded 3 tracer rounds from E to W		4 March, 22:28	
		Recorded 2 tracer rounds from SSE to NNW		N/K	5 March, 00:18
		Recorded 9 tracer rounds from ESE to WNW			5 March, 00:49
		Recorded 21 tracer rounds from ESE to WNW	5 March, 00:55		
		Recorded 21 tracer rounds from WNW to ESE			
		Recorded 5 tracer rounds from ESE to WNW	5 March, 01:14		
		Recorded 6 tracer rounds from ESE to WNW	5 March, 01:17		
		Recorded 30 tracer rounds from WNW to ESE	5 March, 01:19		
		Recorded 9 tracer rounds from WNW to ESE	5 March, 01:20		
		Recorded 16 tracer rounds from WNW to ESE	5 March, 01:20		
		Recorded 18 tracer rounds from ESE to WNW			
		Recorded 44 tracer rounds from WNW to ESE	5 March, 01:22		
		Recorded 1 illumination flare in vertical flight	5 March, 01:24		
		Recorded 1 illumination flare from WNW to ESE			
		Recorded 5 tracer rounds from ESE to WNW			
		3km NE	Recorded 1 explosion (impact)	Mortar (82mm)	5 March, 17:10
			Recorded 5 shots (muzzle flash)	Small arms	5 March, 17:20-17:24
			Recorded 8 shots (muzzle flash)		
			Recorded 3 undetermined explosions	N/K	5 March, 17:42-17:49
			Recorded 2 undetermined explosions		
	Kalininskyi district ("DPR"-controlled,	7-10km N	Heard 8-10 explosions (outgoing)	Artillery (type N/K)	5 March, 07:25-07:35

2.5km E of Donetsk city centre)					
Avdiivka (government-controlled, 17km N of Donetsk)	7-10km SSE	Heard 17 undetermined explosions	N/K	5 March, 07:52-08:00	
	1-2km SE	Heard 16 undetermined explosions		5 March, 12:15-12:45	
		Heard 17 undetermined explosions		5 March, 12:46-13:46	
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	2-3km W	Heard 3 bursts	HMG	5 March, 09:12	
		Heard 4 undetermined explosions	N/K	5 March, 09:13-09:15	
		Heard 1 undetermined explosion		5 March, 09:17	
		Heard 2 undetermined explosions		5 March, 09:21	
		Heard 2 bursts	HMG	5 March, 09:22	
		Heard 2 undetermined explosions	N/K	5 March, 09:27	
		Heard 1 undetermined explosion		5 March, 10:55	
		Heard 4 bursts	HMG	5 March, 11:10	
		Heard 1 undetermined explosion	N/K	5 March, 11:20	
		Heard 3 bursts	HMG	5 March, 11:28	
		Heard 1 undetermined explosion	N/K	5 March, 11:45	
		Heard 2 undetermined explosions		5 March, 12:20	
		Heard 1 undetermined explosion		5 March, 12:27	
		Heard 1 undetermined explosion		5 March, 12:32	
Heard 15 undetermined explosions	5 March, 12:50-13:10				
Petrivske (“DPR”-controlled, 41km S of Donetsk)	2-3km S	Heard 3 bursts	Small arms	5 March, 10:12-10:46	
		Heard 49 shots			
2.9km SSE of Lozove (“DPR”-controlled, 52km NE of Donetsk)	0.5km NNE	Heard and saw 4 explosions (outgoing)	Mortar (82mm)	5 March, 11:50	
		Heard and saw 4 explosions (outgoing)		5 March, 12:00	
Donetsk central railway station (“DPR”-controlled, 6km NW of Donetsk city centre)	4-6km NW	Heard 7 undetermined explosions	N/K	5 March, 13:00-13:10	
		Heard 6 undetermined explosions		5 March, 13:15-13:22	
	3-5km NW	Heard 31 undetermined explosions		5 March, 13:28-13:41	
	3-4km W	Heard 4 undetermined explosions		5 March, 13:48-13:51	
3km NW of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K NE	Heard 4 undetermined explosions	N/K	5 March, 09:15-09:22	
	N/K NW(outgoing) N/K SE (impacts)	Heard 5 explosions (outgoing), followed by explosions (impacts)			
	N/K SE	Heard 5 undetermined explosions			
	N/K NE	Heard 5 undetermined explosions			
	N/K N	Heard 5 undetermined explosions			
	N/K ESE	N/K NE	Heard 3 bursts	Small arms	5 March, 09:22-09:45
			Heard 3 undetermined explosions	N/K	
			Heard 2 bursts	Small arms	
			Heard 20 shots	IFV (BMP-2) cannon (30mm)	
	N/K ESE		Heard 20 bursts	HMG	5 March, 11:55-12:28
		Heard 10 shots	Small arms		
		Heard 1 undetermined explosion	N/K		
N/K N		Heard 3 undetermined explosions			
N/K NE		Heard 4 bursts	Small arms		
3km N of Aslanove (government-controlled, 16km N of Mariupol)	N/K SE	Heard 7 undetermined explosions	N/K	5 March, 09:19-09:30	
	N/K E	Heard 21 undetermined explosions		5 March, 09:30-09:36	
		Heard 6 undetermined explosions			
3km NNE of Hnutove (government-controlled, 20km NE of Mariupol)	8km SE	Heard 14 explosions (outgoing)	Artillery (type N/K)	5 March, 09:14-09:25	
	7-8km SW	Heard 6 explosions (outgoing)			
	N/K ESE	Heard 24 explosions (impacts)			
	N/K SE	Heard uncountable overlapping bursts	Small arms		
	N/K ESE		Heard 2 explosions (impacts)	Artillery (type N/K)	5 March, 09:45-09:55
			Heard 10 explosions (impacts)	Mortar (type N/K)	
8km SE		Heard 10 explosions (outgoing)			

	N/K SE	Heard uncountable overlapping bursts	Small arms	
Hnutove (government-controlled, 20km NE of Mariupol)	N/K E	Heard 2 undetermined explosions	N/K	5 March, 10:28
	N/K SW	Heard 2 undetermined explosion		5 March, 10:55
	N/K SE	Heard 15 undetermined explosions		5 March, 11:02-11:06
1km N of Zaichenko (“DPR”-controlled, 26km NE of Mariupol)	N/K SE	Heard 1 explosions (outgoing)	Artillery (type N/K)	5 March, 11:09
	4km SSW	Heard 2 explosions (impacts)	N/K	5 March, 11:15
	4km SSW	Heard 8 bursts	HMG	5 March, 11:35
	2km SSW	Heard 3 shots	Small arms	
Pikuzy (formerly Kominternove) (“DPR”-controlled, 23km NE of Mariupol)	100-150m NW	Heard 2 explosions (outgoing)	Mortar (82mm)	5 March, 12:25
Bezimenne (“DPR”-controlled, 30km E of Mariupol)	N/K W	Heard 1 undetermined explosion	N/K	5 March, 13:50
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	3-5km SW	Heard 11 explosions (outgoing)	Artillery (type N/K)	4 March, 22:21
	1-2km SW	Heard 12 bursts	HMG	5 March, 08:05-09:50
		Heard 5 shots	AGL	
		Heard 20 bursts	Small arms	5 March, 09:40-09:50
9-10km SW	Heard 30 undetermined explosions	N/K	5 March, 15:03-15:24	
Maiorsk (government-controlled, 45km NE of Donetsk)	3-4km SE	Heard 6 explosions (outgoing)	Mortar (82mm)	5 March, 12:10
Kadiivka (formerly Stakhanov, “LPR”-controlled, 50km W of Luhansk)	1-2km N	Heard 4 undetermined explosions	N/K	4 March, 21:11-21:13
	15-20km NW	Heard 3 undetermined explosions		4 March, 21:41
	10-15km NW	Heard 42 undetermined explosions		4 March, 21:50 - 23:53
Kalynove (“LPR”-controlled, 60km W of Luhansk)	10-12km SW	Heard 45 explosions (impacts and outgoing)	Mortar (calibre N/K), artillery (calibre N/K)	5 March, 09:00- 09:20
		Heard 35 bursts	HMG	
2.5km SE of Muratove (government-controlled, 51km NW of Luhansk)	10km S	Heard 5 explosions (impacts)	Mortar (120mm)	5 March, 09:33-09:40
	5km S	Heard 5 bursts	IFV (BMP-2) cannon (30mm)	
	5-7km SE	Heard 8 explosions (impacts)	Artillery (152mm)	
	2km SE	Heard 1 undetermined explosion	Mortar (82mm)	5 March, 10:17
Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	1km SW and NW	Heard 30 bursts	IFV (BMP-2 ) cannon (30mm)	5 March, 09:58-10:11
Zolote (government-controlled, 60km W of Luhansk),	2-3km SE	Heard 1 undetermined explosion (the SMM was not able to assessed whether it occurred inside the disengagement area)	N/K	5 March, 12:25



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



<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 based on recommendations of security experts from participating States.)