

Table of ceasefire violations as of 14 May 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
SMM camera at Oktiabr mine (9km NW of Donetsk city centre)	10-12 km NE	Recorded 1 airburst	N/K	12 May, 20:23-20:31
		Recorded 1 projectile from W to E		
		Recorded 2 projectiles from W to E		
		Recorded 1 airburst		
		Recorded 10 tracers from W to E		12 May, 20:35-20:44
		Recorded 1 projectile from W to E		
		Recorded 9 projectiles from W to E		
		Recorded 9 subsequent explosions (impacts)		
		Recorded 5 projectiles from W to E		12 May, 20:45-20:56
		Recorded 2 projectile from W to E		
	Recorded 2 subsequent explosions (impacts)	12 May, 21:02-21:06		
	Recorded 10 tracers from W to E			
	Recorded 2 projectiles from W to E			
	Recorded 1 projectile from W to E			
	Recorded 1 projectile from E to W			
	Recorded 1 projectile from E to W			
	Recorded 20 tracers from E to W			
	Recorded 5 tracers from W to E			
	Recorded 20 tracers from W to E			
	Recorded 5 tracers from E to W			12 May, 21:30-21:40
	Recorded 1 projectile from W to E			
	Recorded 5 tracers from W to E			
	Recorded 10 tracers from E to W			
	Recorded 10 tracers from W to E			
	Recorded 1 projectile from W to E			
	Recorded 10 tracers from E to W			
	Recorded 1 projectile from W to E			
	Recorded 10 tracers from W to E			
	Recorded 5 tracers from W to E	12 May, 21:41-21:54		
	Recorded 1 projectile from W to E			
	Recorded 1 subsequent explosion (impact)			
	Recorded 1 projectile from E to W			
	Recorded 15 tracers from E to W			
	Recorded 1 projectile from W to E			
	Recorded 3 undetermined explosions			
	Recorded 1 projectile from W to E			
	Recorded 2 projectiles from W to E			
	Recorded 20 tracers from W to E			12 May, 22:02-22:10
	Recorded 1 projectile from E to W			
	Recorded 5 tracers from E to W			
	Recorded 20 tracers from W to E			
	Recorded 1 projectile from W to E			
	Recorded 5 tracers from W to E			
	Recorded 10 tracers from W to E			
	Recorded 1 projectile from W to E			
	Recorded 10 tracers from W to E			
	Recorded 1 projectile from W to E	12 May, 22:16-22:20		

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.

		Recorded 5 tracers from E to W		12 May, 22:29-22:32
		Recorded 9 projectiles from W to E		
		Recorded 1 illumination flare		
		Recorded 3 projectiles from W to E		
		Recorded 1 undetermined explosion		
		Recorded 1 projectile from W to E		
		Recorded 5 tracers from E to W		
		Recorded 25 tracers from E to W		
		Recorded 2 projectiles from W to E		
		Recorded 1 projectile from W to E		
		Recorded 1 projectile from W to E		
		Recorded 10 tracers from E to W		
		Recorded 8 projectiles from W to E		
		Recorded 25 tracers from E to W		
		Recorded 10 tracers from W to E		
		Recorded 12 tracers from W to E.		
		Recorded 8 tracers from E to W		
	Recorded 9 undetermined projectiles from E to W	13 May, 03:40-03:41		
	Recorded 7 undetermined projectiles from W to E			
	6-8km NNE	N/K	Recorded 10 tracers E to W	13 May, 21:10
			Recorded 10 tracers W to E	13 May, 21:19
			Recorded 2 projectiles from E to W	
			Recorded 1 illumination flare in vertical flight	
			Recorded 15 tracers W to E	
			Recorded 5 tracers E to W	
			Recorded 1 projectile from E to W	
			Recorded 2 projectiles from E to W	
			Recorded 1 projectile from W to E	
			Recorded 1 projectile from W to E	
			Recorded 1 projectile from W to E	
			Recorded 2 projectiles from E to W	
			Recorded 1 projectile from W to E	
			Recorded 3 projectiles from E to W	
			Recorded 10 tracers E to W	
			Recorded 1 projectile from E to W	
			Recorded 2 projectiles from W to E	
			Recorded 1 projectile from E to W	
Recorded 5 projectiles from E to W				
Recorded 1 projectile from E to W				
Recorded 1 projectile from E to W				
Recorded 1 projectile from E to W				
6-8km NNE	N/K	Recorded 5 tracers from E to W	13 May, 23:20	
		Recorded 2 projectiles from E to W	13 May, 23:21	
		Recorded 1 projectile from E to W	13 May, 23:27	
		Recorded 4 projectiles from W to E	13 May, 23:28	
		Recorded 3 projectiles from E to W	13 May, 23:33	
		Recorded 2 projectiles from E to W	13 May, 23:34	
		Recorded 3 projectiles from E to W	13 May, 23:35	
		Recorded 1 projectile from E to W	13 May, 23:51	
		Recorded 1 projectile from W to E	13 May, 23:54	
		Recorded 3 projectiles from W to E		
		Recorded 2 projectiles from E to W	13 May, 23:56	
		Recorded 2 projectiles from E to W	13 May, 23:57	
		Recorded 2 projectiles from E to W	13 May, 23:59	
Recorded 3 projectiles from W to E	14 May, 00:03			
Recorded 3 projectiles from W to E	14 May, 00:05			
Recorded 8 projectiles from W to E	14 May, 00:10			

		Recorded 2 projectiles from E to W		14 May, 00:16
		Recorded 1 projectile from W to E		14 May, 00:19
		Recorded 1 projectile from W to E		14 May, 00:20
		Recorded 1 projectile from W to E		14 May, 00:21
		Recorded 10 projectiles from W to E		14 May, 00:22
		Recorded 11 projectiles from W to E		14 May, 00:23
		Recorded 2 projectiles from W to E		14 May, 00:24
		Recorded 1 projectile from E to W		14 May, 00:31
		Recorded 3 projectiles from W to E		14 May, 00:32
		Recorded 3 projectiles from E to W		14 May, 00:33
		Recorded 10 tracers from E to W		14 May, 00:33
		Recorded 2 projectiles from E to W		14 May, 00:34
		Recorded 1 projectile from W to E		14 May, 00:35
		Recorded 2 projectiles from E to W		14 May, 00:36
		Recorded 11 projectiles from W to E		14 May, 00:36
		Recorded 8 projectiles from W to E		14 May, 00:37
		Recorded 3 projectiles from E to W		14 May, 00:38
		Recorded 10 projectiles from E to W		14 May, 00:43
		Recorded 5 tracers from E to W		14 May, 00:43
		Recorded 7 projectiles from W to E		14 May, 00:45
		Recorded 10 projectiles from E to W		14 May, 00:46
		Recorded 7 projectiles from W to E		14 May, 00:46
		Recorded 4 projectiles from W to E		14 May, 00:48
		Recorded 15 projectiles from E to W	N/K	14 May, 00:49
		Recorded 7 projectiles from W to E		14 May, 00:49
		Recorded 2 projectiles from E to W		14 May, 00:51
		Recorded 2 projectiles from W to E		14 May, 00:51
		Recorded 1 illumination flare from W to E		14 May, 00:52
		Recorded 1 projectile from W to E		14 May, 00:52
		Recorded 2 projectiles from W to E		14 May, 01:03
		Recorded 1 projectile from W to E		14 May, 01:50
		Recorded 19 tracers from E to W		14 May, 02:09-02:15
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	5-6km W	Heard 1 undetermined explosion	N/K	14 May, 16:20
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5 km ESE	Recorded 1 projectile from NW to SE	N/K	12 May, 20:19-20:28
		Recorded 3 undetermined explosions		
		Recorded 4 projectiles from SW to NE		12 May, 20:39-20:48
		Recorded 10 tracers from W to E		
		Recorded 1 undetermined explosion		12 May, 21:12
		Recorded 4 projectiles from SW to NE		
		Recorded 1 undetermined explosion		12 May, 21:33
		Recorded 1 illumination flare		
		Recorded 1 undetermined explosion		12 May, 21:49
	Recorded 1 projectile from W to E			
	4-6 km SE	Recorded 1 undetermined explosion		12 May, 22:17
		Recorded 1 undetermined explosion		12 May, 00:08
	3-5 km ESE	Recorded 25 tracers from SW to NE		12 May, 00:08
	4-6km ESE	Recorded 5 tracers from E to W		13 May, 02:18
		Recorded 15 tracers from E to W		13 May, 02:26
Recorded 10 tracers from W to E		13 May, 02:28		
Recorded 2 undetermined explosions		13 May, 03:51		
Recorded 1 airburst		13 May, 04:20		
	Recorded 6 projectiles from E to W			

	2-3km SE	Recorded 2 undetermined explosions	N/K	13 May, 18:22
	3-4km SE	Recorded 1 undetermined explosion		13 May, 18:25
		Recorded 3 undetermined explosions		13 May, 18:31
		Recorded 1 undetermined explosion		13 May, 18:33
	6-8km SE	Recorded 1 airburst		13 May, 18:47
	4-6km SE	Recorded 1 undetermined explosion		13 May, 18:48
	4-5km SE	Recorded 1 undetermined explosion		13 May, 19:04
	4-6km ESE	Recorded 1 projectile from NW to SE		13 May, 22:47
		Recorded 1 projectile from NW to SE		13 May, 22:49
3-4km SSE	Recorded 1 airburst	14 May, 12:16		
Petrivske (“DPR”-controlled, 43km S of Donetsk city centre)	2-4 km WNW	Recorded 1 illumination flare	N/K	11 May, 22:04
Petrivske (“DPR”-controlled, 41km south of Donetsk)	0.8-3km ESE	Heard 63 shots	Small arms	13 May, 10:20-10:30
	0.8-3km E	Heard 92 shots		13 May, 10:50-11:09
	2-4km SSE	Heard 10 undetermined explosions	N/K	13 May, 11:00-11:05
	0.8-3km ESE	Heard uncountable overlapping bursts and shots	Small arms	13 May, 11:05-11:11
5km W of Petrovskiyi district (“DPR”-controlled, 15km SW of Donetsk)	1-2km WSW	Heard 3 shots	Small arms	13 May, 11:55
		Heard 3 shots		13 May, 11:59
7km NE of Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	20-25km W	Heard 13 undetermined explosion	N/K	13 May, 11:45-12:03
Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard 5 bursts	HMG	13 May, 11:25
		Heard 7 bursts		13 May, 11:35
	4-6km SE	Heard 2 undetermined explosion	N/K	13 May, 13:21
		Heard 2 undetermined explosion		13 May, 13:24
	4-6km SSE	Heard 1 undetermined explosion		13 May, 13:51
4-6km SE	Heard 1 undetermined explosion	13 May, 14:50		
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	2-4km W	Heard 1 shot	Small arms	13 May, 10:33
		Heard 2 shots		13 May, 10:36
	4-6km NNW	Heard 3 undetermined explosions	N/K	13 May, 10:43-10:54
	2-4km ESE	Heard 1 undetermined explosion		13 May, 11:17
	4-6km N	Heard 1 undetermined explosion		13 May, 11:25
		Heard 1 undetermined explosion		13 May, 11:39
	3-6km WSW	Heard 1 undetermined explosion	HMG	13 May, 12:36
	2-3km NW	Heard 1 burst		
	3-6km SSE	Heard 3 shots	HMG	13 May, 13:20
	3-6km WSW	Heard 1 undetermined explosion	N/K	13 May, 13:22
		Heard 1 undetermined explosion		13 May, 13:29
	2-5km WSW	Heard 1 burst	HMG	13 May, 13:33
	SMM camera in Shyrokyne (20km E of Mariupol)	N/K NNE	Recorded 1 projectile from W to E	N/K
Recorded 1 projectile from W to E			12 May, 20:24	
Recorded 1 projectile from W to E			12 May, 20:25	
Recorded 27 tracers from E to W			12 May, 20:26	
Recorded 1 airburst				
Recorded 1 projectile from W to E			12 May, 20:29	
Recorded 1 projectile from W to E				
Recorded 1 projectile from W to E			12 May, 20:30	
Recorded 1 tracer from E to W				
Recorded 1 projectile from W to E			12 May, 20:31	
Recorded 7 tracers from E to W			12 May, 20:38	
Recorded 1 undetermined explosion			12 May, 20:40	
Recorded 11 tracers from E to W			12 May, 20:42	

		Recorded 5 undetermined explosions		
		Recorded 8 airbursts		
		Recorded 1 tracer from W to E		12 May, 20:48
	N/K NNE	Recorded 5 tracers from SE to NW	N/K	12 May, 23:33
	N/K N	Recorded 3 tracers from SE to NW		13 May, 00:03
		Recorded 1 projectile from S to N		13 May, 00:24
	N/K NE	Recorded 1 projectile from SE to NW		13 May, 00:33
		Recorded 5 tracers from SE to NW		13 May, 00:44
		Recorded 5 tracers from SW to NE		13 May, 02:32
		Recorded 4 tracers from W to E		13 May, 02:53
		Recorded 7 tracers from SW to NE		13 May, 03:09
		Recorded 1 projectile from SE to NW		13 May, 03:35
		Recorded 5 tracers from E to W		13 May, 03:42
	N/K NE	Recorded 20 rocket-assisted projectiles from SW to NE		13 May, 20:29
		Recorded 25 tracers from NE to SW		13 May, 20:35
		Recorded 3 rocket-assisted projectiles from NE to SW		13 May, 20:39
		Recorded 12 tracers from NE to SW		13 May, 20:42
		Recorded 2 tracers from SW to NE		13 May, 20:44
		Recorded 28 tracers from NE to SW	N/K	13 May, 20:49
		Recorded 14 tracers from SW to NE		13 May, 21:43
		Recorded 11 tracers from SW to NE		13 May, 22:06
		Recorded 1 rocket-assisted projectile from SW to NE		14 May, 00:20
		Recorded 19 undetermined explosions		14 May, 00:31
	N/K NNE	Recorded 27 undetermined explosions		14 May, 00:32
		Recorded 1 tracer from S to N		14 May, 00:33
		Recorded 1 tracer from ESE to WNW		14 May, 00:43
		Recorded 6 tracers from WNW to ESE		14 May, 00:49
		Recorded 2 tracers from ESE to WNW		14 May, 00:50
		Recorded 1 tracer from ESE to WNW		14 May, 00:57
		Recorded 2 tracers from ESE to WNW		14 May, 01:52
		Recorded 1 tracer from ESE to WNW	N/K	14 May, 02:09
Recorded 3 tracers from ESE to WNW			14 May, 02:38	
Recorded 5 tracers from ESE to WNW			14 May, 03:08	
Recorded 4 tracers from ESE to WNW			14 May, 03:21	
Recorded 2 tracers from ESE to WNW			14 May, 03:31	
Recorded 3 tracers from ESE to WNW				
Recorded 5 tracers from ESE to WNW				
Recorded 4 tracers from ESE to WNW				
2km SSE of Sakhanka ("DPR"-controlled, 24k NE of Mariupol)	N/K SW	Heard 3 shots	Small arms	13 May, 11:05
Chermalyk (government controlled, 31km NE of Mariupol)	1km E	Heard 10 undetermined explosions	N/K	13 May, 13:12-13:17
		Heard uncountable and overlapping shots	Small arms	
Volnovakha (government-controlled, 53km S of Donetsk)	N/K N	Heard 2 undetermined explosions	N/K	13 May, 19:53-19:55
Mariupol	N/K E	Heard at least 30 undetermined	N/K	13 May, 19:40-20:05

(government-controlled, 102km S of Donetsk)		explosions		
3km NNE of Hnutove (government-controlled, 20km NE of Mariupol)	3-5km SSE	Heard 4 explosions (outgoing)	N/K	14 May, 09:59-10:01
		Heard 4 subsequent explosions (impacts)		
		Heard 10 undetermined explosions		14 May, 10:07-10:22
1km NW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K S	Heard 3 burst	Small arms	14 May, 14:20
1km SSE of Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SSE	Heard 1 undetermined explosion	N/K	14 May, 10:21
		Heard 2 undetermined explosions		14 May, 10:27
	4-5km SSE	Saw 1 airburst		14 May, 10:51
	4km SSE	Saw 1 airburst	14 May, 14:20	
	N/K S	Heard 3 bursts (3 shots each)	Small arms	
1km N of Zaichenko ("DPR"-controlled, 26km NE of Mariupol)	5-7km SW	Heard 5 undetermined explosions	N/K	14 May, 11:09-11:15
1.7km NE of Zaichenko ("DPR"-controlled, 26km NE of Mariupol)	N/K SW	Heard 13 undetermined explosions	N/K	14 May, 12:19-12:30
	N/K SSW	Heard 20 undetermined explosions		14 May, 12:30-12:43
	N/K SE	Heard 2 undetermined explosions		
	N/K NW	Heard 2 undetermined explosions		
	N/K SSW	Heard 6 undetermined explosions		
Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SE	Heard 11 undetermined explosions	N/K	14 May, 12:38-13:00
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	4-6km SW	Heard 28 bursts	HMG	12 May, 21:23-21:35
		Heard uncountable overlapping shots	Small arms	
		Heard 8 bursts	HMG	
		Heard uncountable and overlapping shots	Small arms	12 May, 21:48-21:51
		Heard 10 bursts	HMG	12 May, 22:15-22:40
	Heard 4 undetermined explosions	N/K		
5km SE	Heard and saw 80 explosions (outgoing)	MLRS (type N/K)	13 May, 22:35-22:37	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km W	Heard 7 undetermined explosions	N/K	12 May, 19:45
	4-6km SW	Heard 10 bursts	HMG	
	4-6km S	Heard 5 explosions (outgoing)	RPG	12 May, 19:47
	8-9km SW	Heard 2 undetermined explosions	N/K	12 May, 19:48
		Heard 4 undetermined explosions		
	4-6km S	Heard 7 bursts	AGL	12 May, 19:50
	5-7km SE	Heard 2 undetermined explosions	N/K	12 May, 19:57
	4-5km SW	Heard 3 undetermined explosions		
	4-6km W	Heard 6 bursts	HMG	12 May, 19:58
	4-6km S	Heard 6 bursts	AGL	12 May, 19:59
	3-5km SW	Heard 3 undetermined explosions	N/K	12 May, 20:00
	3-4km W	Heard 1 undetermined explosion		12 May, 20:01
	5-7km W	Heard 10 undetermined explosions		12 May, 20:02
	4-6km W	Heard 1 burst	HMG	12 May, 20:05
		Heard 5 bursts	AGL	
	5-7km SE	Heard 5 explosions (outgoing)	RPG	12 May, 20:08
		Heard 23 bursts	HMG	12 May, 20:10
		Heard 4 undetermined explosions		
	4-6km SSE	Heard 2 undetermined explosions	N/K	12 May, 20:12
	4-6km SE	Heard 2 explosions (outgoing)	RPG	12 May, 20:14
4-6km SW	Heard 4 undetermined explosions	N/K	12 May, 20:19	
5-7km S	Heard 3 undetermined explosions		12 May, 20:20	

4-6km S	Heard 3 bursts	HMG	12 May, 20:21	
	Heard 1 undetermined explosion	N/K		
	8-10km SE	Heard 3 undetermined explosions	12 May, 20:22	
	5-7km SE	Heard 2 bursts		HMG
4-6km SE	Heard 1 explosion (outgoing)	RPG	12 May, 20:23	
	Heard 1 undetermined explosion	N/K	12 May, 20:29	
	Heard 2 bursts	HMG		
4-6km S	Heard 2 undetermined explosions	N/K	12 May, 20:32	
	Heard 3 explosions (outgoing)	RPG		
5-7km SE	Heard 6 explosions (outgoing)		12 May, 20:38	
	Heard 3 explosions (outgoing)			
	Heard 5 bursts	AGL	12 May, 20:40	
4-6km SE	Heard 15 bursts	HMG	12 May, 20:47	
	Heard 12 bursts	AGL		
	Heard 17 bursts	HMG	12 May, 20:49	
	Heard 12 bursts	AGL		
	Heard 13 bursts			
	Heard 9 undetermined explosions	N/K	12 May, 20:50	
	Heard 8 undetermined explosions	HMG		
	Heard 5 bursts			
	Heard 6 bursts	AGL		
	Heard 2 undetermined explosions	N/K	12 May, 20:51	
	Heard 17 bursts	AGL	12 May, 20:55	
	Heard 13 bursts	HMG		
	4-6km SE	Heard 2 undetermined explosions	N/K	12 May, 21:00
		Heard 7 bursts	HMG	
		Heard 3 undetermined explosions	N/K	12 May, 21:01
		Heard 25 bursts	HMG	
Heard uncountable overlapping bursts		Small arms		
Heard 6 undetermined explosions		N/K	12 May, 21:04	
Heard 10 bursts		HMG		
4-6km SW		Heard uncountable overlapping bursts	Small arms	
		Heard uncountable overlapping bursts		
4-6km SE		Heard 5 undetermined explosions	N/K	12 May, 21:05
	Heard 6 undetermined explosions	AGL	12 May, 21:06	
	Heard 18 bursts			
	Heard 25 bursts	HMG	12 May, 21:07	
	Heard uncountable overlapping bursts	Small arms		
	Heard 8 undetermined explosions	N/K	12 May, 21:08	
	Heard 3 explosions (outgoing)	RPG		
	Heard uncountable overlapping bursts	Small arms		
	Heard 9 undetermined explosions	N/K	12 May, 21:09	
	Heard uncountable overlapping bursts	Small arms		
	Heard 2 bursts	HMG	12 May, 21:10	
	Heard 5 undetermined explosions	N/K		
	Heard uncountable overlapping bursts	Small arms		
	Heard 13 bursts	HMG		
	Heard 2 explosions (outgoing)	RPG	12 May, 21:11	
	Heard 5 bursts	HMG		
	Heard uncountable overlapping bursts	Small arms	12 May, 21:13	
	Heard 5 undetermined explosions	N/K		
	Heard 2 undetermined explosions	Small arms	12 May, 21:15	
	Heard uncountable overlapping bursts	N/K		
	Heard 2 undetermined explosions	Small arms	12 May, 21:16	
	Heard 7 undetermined explosions	N/K		
	Heard 29 bursts	HMG	12 May, 21:17	
	Heard uncountable overlapping bursts	Small arms		
	Heard 4 undetermined explosions	N/K	12 May, 21:18	
	Heard 4 round explosions (outgoing)s	AGL		
	Heard 16 explosions (outgoing)	RPG	12 May, 21:23	
	Heard 2 undetermined explosions	N/K	12 May, 21:24	
Heard 6 bursts	Recoilless gun (SPG-9, 73mm)	12 May, 21:25		
Heard 7 bursts		12 May, 21:26		

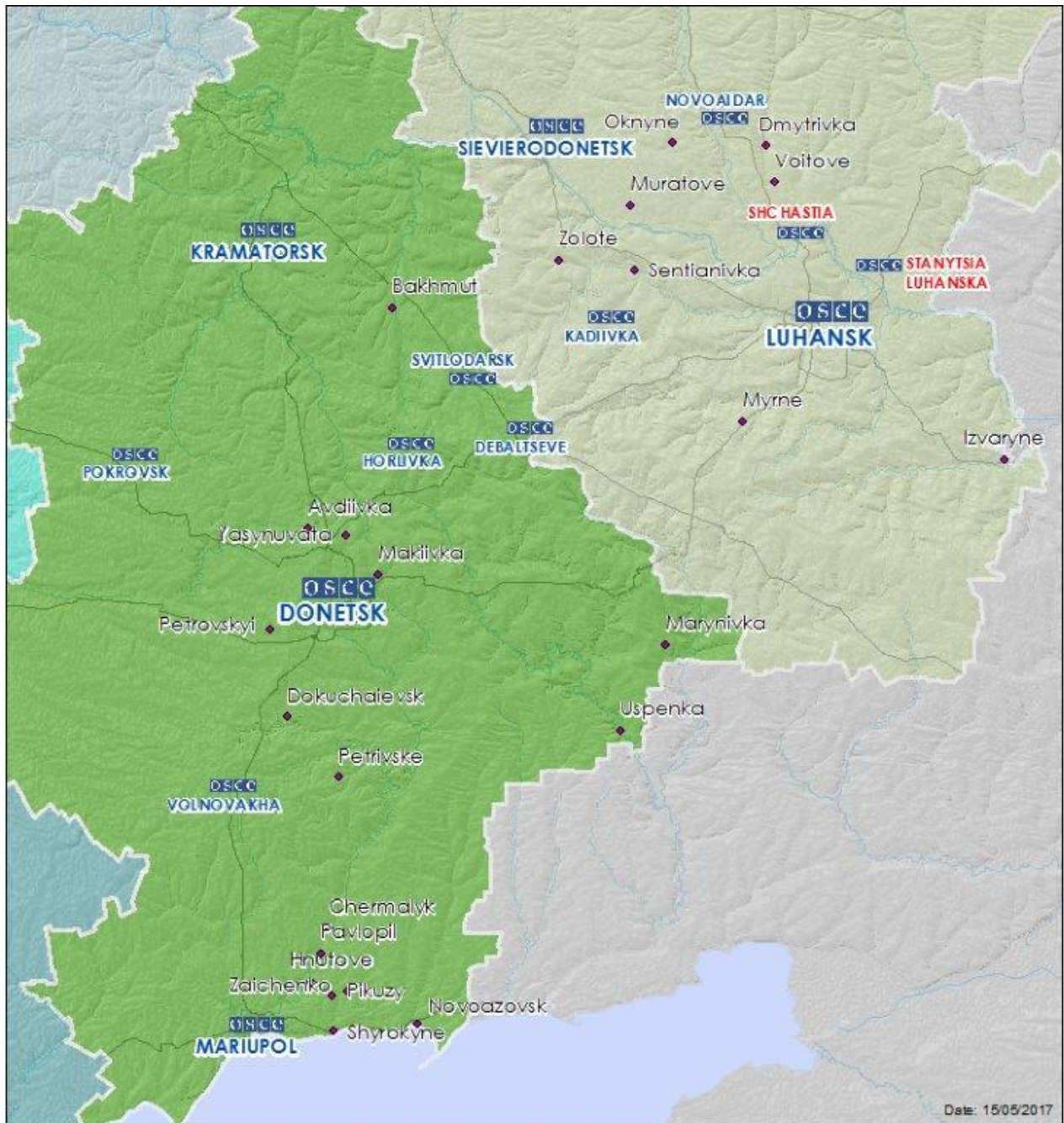
		Heard 2 bursts	HMG	
		Heard 5 explosions (outgoing)	RPG	12 May, 21:27
		Heard 1 undetermined explosion	N/K	
		Heard 2 explosions (outgoing)	RPG	
		Heard 1 undetermined explosion	N/K	12 May, 21:28
		Heard 2 undetermined explosions		
		Heard uncountable overlapping bursts	Small arms	12 May, 21:30
		Heard 6 explosions (outgoing)	RPG	12 May, 21:31
		Heard 5 bursts	AGL	12 May, 21:32
		Heard 3 undetermined explosions	N/K	
		Heard 4 explosions (outgoing)	Recoilless gun (SPG-9)	12 May, 21:33
		Heard 10 bursts	AGL	
		Heard 18 bursts		12 May, 21:34
		Heard 24 bursts	HMG	12 May, 21:35
		Heard 7 undetermined explosions	N/K	12 May, 21:36
		Heard 9 explosions (outgoing)	RPG	12 May, 21:37
		Heard 1 undetermined explosion	N/K	
		Heard 14 bursts	AGL	12 May, 21:38
		Heard 9 explosions (outgoing)	RPG	
		Heard uncountable overlapping bursts	Small arms	12 May, 21:39
		Heard 4 bursts	HMG	
		Heard 20 bursts		
		Heard 16 bursts	AGL	12 May, 21:40
		Heard uncountable overlapping bursts	Small arms	12 May, 21:41
		Heard uncountable overlapping bursts		
		Heard 2 undetermined explosions	N/K	12 May, 21:43
		Heard uncountable overlapping bursts	Small arms	
		Heard 4 bursts	AGL	12 May, 21:44
		Heard 3 undetermined explosions	N/K	
		Heard 1 undetermined explosion	Small arms	12 May, 21:45
		Heard uncountable overlapping bursts		
		Heard 16 bursts	HMG	12 May, 21:46
		Heard 4 bursts	AGL	
		Heard 24 bursts	HMG	12 May, 21:47
		Heard uncountable overlapping bursts	Small arms	
		Heard 6 undetermined explosions	N/K	12 May, 21:48
		Heard uncountable overlapping bursts	Small arms	
		Heard 20 bursts	HMG	12 May, 21:49
		Heard 7 undetermined explosions	N/K	
		Heard 10 bursts	AGL	12 May, 21:50
		Heard uncountable overlapping bursts	Small arms	
		Heard 18 bursts	HMG	12 May, 21:51
		Heard uncountable overlapping bursts	Small arms	
		Heard 20 bursts	HMG	12 May, 21:52
		Heard 20 bursts		
		Heard uncountable overlapping bursts	Small arms	12 May, 21:53
	3-5km SE	Heard 2 undetermined explosions	N/K	
	4-6km SE	Heard 35 bursts	HMG	12 May, 21:52
		Heard 19 bursts		12 May, 21:53
		Heard uncountable overlapping bursts	Small arms	
	3-4km SE	Heard 4 explosions (outgoing)	N/K	12 May, 21:57
	4-6km SE	Heard 10 bursts	HMG	12 May, 21:58
		Heard uncountable overlapping bursts	Small arms	12 May, 21:59
		Heard 22 bursts	HMG	12 May, 22:00
		Heard 9 explosions (outgoing)	Recoilless gun (SPG-9)	12 May, 22:01
		Heard 18 bursts	HMG	12 May, 22:02
		Heard and saw 11 tracers from SW to NE	IFV (BMP-1) cannon (73mm)	
		Heard 18 bursts	HMG	12 May, 22:05
		Heard 15 bursts	AGL	12 May, 22:06
		Heard uncountable overlapping bursts	Small arms	12 May, 22:07
	Heard uncountable overlapping bursts			

		Heard 30 bursts	HMG	12 May, 22:08
	4-5km SE	Heard 4 undetermined explosions	N/K	
4-6km SE		Heard 15 bursts	HMG	12 May, 22:11
		Heard 15 bursts		
		Heard uncountable overlapping bursts	Small arms	12 May, 22:12
		Heard 10 bursts	AGL	12 May, 22:13
		Heard and saw 5 explosions (outgoing)	IFV (BMP-1) cannon	12 May, 22:14
		Heard 4 undetermined explosions	N/K	
		Heard 7 bursts	AGL	12 May, 22:15
		Heard uncountable overlapping bursts	Small arms	
		Heard uncountable overlapping bursts		
		Heard 4 undetermined explosions	N/K	12 May, 22:17
		Heard 2 undetermined explosions		12 May, 22:19
		Heard uncountable overlapping bursts	Small arms	12 May, 22:20
		Heard uncountable overlapping bursts		12 May, 22:22
		Heard 12 bursts	HMG	12 May, 22:23
		Heard 4 explosions (outgoing)	RPG	
		Heard 13 bursts	HMG	12 May, 22:24
		Heard uncountable overlapping bursts	Small arms	12 May, 22:25
		Heard 1 undetermined explosion	N/K	12 May, 22:26
		Heard 10 explosions (outgoing)	Recoilless gun (SPG-9)	
	3-5km SE		Heard 1 undetermined explosion	N/K
		Heard uncountable overlapping bursts	Small arms	12 May, 22:28
		Heard 2 undetermined explosions	N/K	12 May, 22:29
		Heard 12 bursts	HMG	12 May, 22:30
4-6km SE		Heard 3 undetermined explosions	N/K	12 May, 22:31
		Heard 13 bursts	HMG	
		Heard uncountable overlapping bursts	Small arms	
		Heard 15 bursts	HMG	12 May, 22:32
		Heard 6 explosions (outgoing)	Recoilless gun (SPG-9)	
		Heard 6 explosions (outgoing)	AGL	12 May, 22:33
		Heard 4 undetermined explosions	N/K	
		Heard 9 bursts	HMG	12 May, 22:34
		Heard 2 explosions (outgoing)	Recoilless gun (SPG-9)	
	Heard 22 bursts	HMG	12 May, 22:39	
5-7km ESE		Heard uncountable overlapping bursts	Small arms	12 May, 22:40
5-7km SE		Heard 7 bursts	HMG	12 May, 22:44
		Heard 7 explosions (outgoing)	RPG	
5-7km SSE		Heard 14 bursts	AGL	12 May, 22:45
4-6km SE		Heard 2 bursts	HMG	12 May, 22:47
		Heard uncountable overlapping bursts	Small arms	12 May, 22:48
		Heard 5 bursts	AGL	12 May, 22:49
		Heard 2 bursts	HMG	
		Heard uncountable overlapping bursts	Small Arms	12 May, 22:50
		Heard 2 explosions (outgoing)	RPG	
		Heard 4 bursts	HMG	12 May, 22:51
		Heard 3 bursts		
		Heard 4 explosions (outgoing)	Recoilless gun (SPG-9)	12 May, 22:55
		Heard 11 bursts	HMG	
		Heard explosions (outgoing)	Recoilless gun (SPG-9)	12 May, 22:56
		Heard 7 bursts	HMG	
		Heard 10 bursts	AGL	12 May, 23:07
		Heard 15 bursts		12 May, 23:10
		Heard 10 bursts		12 May, 23:12
		Heard 12 bursts		12 May, 23:15
5-7km SE		Heard 2 undetermined explosions	N/K	12 May, 23:23
4-6km SE		Heard 4 explosions (outgoing)	Recoilless gun (SPG-	

		9)		
	Heard 2 undetermined explosions	N/K	12 May, 23:26	
	Heard 4 undetermined explosions		12 May, 23:30	
5-7km SE	Heard 8 undetermined explosions		12 May, 23:38	
	Heard 5 undetermined explosions		12 May, 23:41	
	Heard 4 explosions (outgoing)	Recoilless gun (SPG-9)	12 May, 23:42	
7-9km SE	Heard 12 bursts	AGL	12 May, 23:47	
5-7km SE	Heard uncountable overlapping bursts	Small arms		
	Heard 1 undetermined explosion	N/K	12 May, 23:51	
	Heard uncountable overlapping bursts	Small arms	13 May, 00:01	
	Heard 7 bursts	HMG		
4-6km SE	Heard 2 undetermined explosions	N/K	13 May, 00:12	
	Heard 1 undetermined explosion		13 May, 00:18	
	Heard 4 undetermined explosions		13 May, 00:43	
	Heard 1 undetermined explosion		13 May, 01:03	
8-10km SE	Heard 1 undetermined explosion		13 May, 01:07	
5-7km SE	Heard 1 undetermined explosion		13 May, 01:08	
4-5km SE	Heard 1 undetermined explosion		13 May, 01:14	
7-9km SE	Heard 1 undetermined explosion		13 May, 01:15	
4-6km SE	Heard 3 undetermined explosions		Recoilless gun (SPG-9)	13 May, 01:21
	Heard 2 explosions (outgoing)			
5-7km SE	Heard 2 undetermined explosions	N/K	13 May, 01:25	
4-6km SE	Heard 2 undetermined explosions		13 May, 01:31	
	Heard 7 undetermined explosions		13 May, 01:37	
	Heard 4 undetermined explosions		13 May, 01:38	
	Heard 1 undetermined explosion		13 May, 01:39	
5-7km SE	Heard 5 explosions (outgoing)	AGL	13 May, 01:56	
	Heard 2 bursts		13 May, 02:12	
	Heard 4 bursts		13 May, 02:18	
	Heard 5 bursts	HMG	13 May, 02:19	
	Heard 1 explosion (outgoing)	Recoilless gun (SPG-9)	13 May, 02:20	
	Heard 7 explosions (outgoing)		13 May, 02:24	
5-7km SE	Heard 3 undetermined explosions	N/K	13 May, 18:50	
2-3km S	Heard 5 bursts	HMG	13 May, 18:55	
2-4km SE	Heard 3 undetermined explosions	N/K	13 May, 18:57	
2-3km S	Heard 6 bursts	HMG		
		Heard 3 bursts	IFV (BMP-2) cannon (30mm)	13 May, 18:58
2-3km SSE	Heard uncountable overlapping bursts and shots	Small arms	13 May, 19:00	
	Heard 12 bursts	HMG	13 May, 19:01	
	Heard 3 bursts	AGL	13 May, 19:02	
3-5km SE	Heard 2 undetermined explosions	Mortar (82mm)	13 May, 19:16	
2-3km SSE	Heard 15 bursts	HMG	13 May, 19:17	
	Heard uncountable overlapping bursts and shots	HMG and small arms	13 May, 19:18-19:23	
	Heard 5 bursts	IFV (BMP-2) cannon	13 May, 19:25	
	Heard uncountable overlapping bursts and shots	Small arms	13 May, 19:28-19:30	
	Heard 4 bursts	AGL	13 May, 19:30	
	3-5km SE	Heard 3 undetermined explosions	Mortar (82mm)	13 May, 19:32
2-3km SSE	Heard uncountable overlapping bursts and shots	Small arms	13 May, 19:32-19:35	
2-4km SSE	Heard uncountable overlapping bursts and shots	HMG, small arms and AGL	13 May, 19:35-19:38	
3-5km SE	Heard 2 undetermined explosions	Mortar (82mm)	13 May, 19:36	
2-4km SSE	Heard uncountable overlapping bursts and shots	HMG, small arms and AGL	13 May, 19:38-19:44	
3-5km SE	Heard 6 undetermined explosions	Mortar (82mm)	13 May, 19:42	
	Heard 2 undetermined explosions		13 May, 19:45	
3-4km SE	Heard 9 bursts	Small arms	13 May, 19:45-19:47	
3-5km SE	Heard 3 undetermined explosions	Mortar (82mm)	13 May, 19:48	

	2-4km SE	Heard 1 explosion (outgoing)	Recoilless gun (SPG-9)	13 May, 20:00
	2-3km SE	Heard 11 bursts	Small arms	13 May, 21:22
		Heard 34 bursts		13 May, 21:30
		Heard 12 bursts		13 May, 21:39
	5-7km SE	Heard 7 undetermined explosions	N/K	13 May, 21:41
	2-4km SE	Heard 13 bursts	Small arms	13 May, 21:42-21:43
		Heard uncountable overlapping bursts and shots		13 May, 21:47-21:48
	7-10km SW	Heard 8 undetermined explosions	Artillery (152mm)	13 May, 22:24-22:27
	2-3km SE	Heard 15 bursts	Small arms	13 May, 22:47-22:48
	7-10km SW	Heard 2 undetermined explosions	Artillery (152mm)	13 May, 22:30-22:31
	2-3km SE	Heard 13 bursts	Small arms	13 May, 22:31
	7-10km SW	Heard at least 100 undetermined explosions	MLRS (BM-21 <i>Grad</i> , 122mm)	13 May, 22:37-22:38
	5-6km W	Heard at least 40 undetermined explosions		13 May, 22:50
	8-12km SW	Heard 16 explosions (outgoing)	Artillery (152mm)	13 May, 22:57-23:10
	5-6km W	Heard 14 explosions (impacts)		13 May, 23:03-23:08
	3-5km NW	Heard 8 explosions (outgoing)		14May, 00:45-00:48
	10-15km W	Heard 8 subsequent explosions (impacts)		14May, 00:45-00:48
	5-6km W	Heard 2 undetermined explosions	N/K	14 May, 04:50
	5-6km NW	Heard 1 undetermined explosion		14 May, 05:45
Bakhmut (government-controlled, 67km north of Donetsk)	5-6km SE	Heard 3 undetermined explosions	N/K	14 May, 09:45
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	10-15km W	Heard 39 undetermined explosions	N/K	12 May, 19:55-20:20
	10-15km WSW	Heard 42 undetermined explosions		12 May, 20:20-20:35
	8-10km SW	Heard 5 salvos of 40 explosions each (outgoing)	MLRS (BM-21 <i>Grad</i> , 122mm)	12 May, 20:30-20:38
		Heard 90 undetermined explosions	N/K	12 May, 20:40-21:28
	5-10km NW	Heard 2 explosions (impacts)	Artillery (calibre N/K)	12 May, 22:41-22:43
7-10km WSW	Heard 7 undetermined explosions	N/K	13 May, 23:54-23:58	
N outskirts of Muratove (government-controlled, 51km NW of Luhansk)	5-7km SE	Heard 5 explosions (impacts)	Artillery (calibre N/K)	13 May, 12:35-12:37
	2km ESE	Heard 41 single shots	IFV (BMP-2) cannon	14 May, 11:11-11:17
Zolote (government-controlled, 60km W of Luhansk)	8-10km SW	Heard 29 undetermined explosions (assessed as outside the disengagement area)	N/K	14 May, 16:04-16:48
	10-12km SSW	Heard 2 undetermined explosions (assessed as outside the disengagement area)		14 May, 17:15-17:17

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