

Table of ceasefire violations as of 21 May 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
“DPR”-controlled Donetsk city centre	5-7km NNW	Heard 15 undetermined explosions	N/K	19 May, 23:05-23:11
		Heard 1 undetermined explosion		19 May, 23:22
		Heard 3 undetermined explosions		19 May, 23:32
		Heard 2 undetermined explosions		20 May, 00:43
		Heard 2 undetermined explosions		20 May, 01:54
		Heard 1 undetermined explosion		20 May, 03:00
		Heard 1 undetermined explosion		20 May, 03:55
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km ESE	Recorded 1 undetermined explosion	N/K	19 May, 19:32
		Recorded 1 undetermined explosion		19 May, 19:34
		Recorded 2 undetermined explosions		19 May, 19:36
		Recorded 1 undetermined explosion		19 May, 19:39
		Recorded 4 projectiles from W to E		19 May, 19:41
		Recorded 1 undetermined explosion		19 May, 19:43
		Recorded 1 undetermined explosion		19 May, 19:45
		Recorded 2 undetermined explosions		19 May, 19:47
		Recorded 1 undetermined explosion		19 May, 19:48
		Recorded 7 undetermined explosions		19 May, 19:49
		Recorded 8 undetermined explosions		19 May, 19:50
		Recorded 2 undetermined explosions		19 May, 19:51
		Recorded 2 undetermined explosions		19 May, 19:52
		Recorded 2 undetermined explosions		19 May, 19:53
		Recorded 1 undetermined explosion		19 May, 19:55
		Recorded 1 undetermined explosion		19 May, 19:56
		2-3km ESE		Recorded 2 undetermined explosions
	3-5km ESE	Recorded 2 undetermined explosions		19 May, 19:59
		Recorded 3 projectiles from W to E		19 May, 20:57
		Recorded 1 projectile from W to E		19 May, 21:37
		Recorded 1 projectile from W to E		19 May, 23:43
	4-6km ESE	Recorded 5 projectiles from W to E		20 May, 01:25
		Recorded 4 explosions (impacts)		20 May, 16:27-16:41
		Recorded 2 explosions (impacts)		20 May, 17:39-17:40
		Recorded 2 explosions (impacts)		20 May, 17:39-17:40
	4-6km SE	Recorded 2 explosions (impacts)		20 May, 17:50-17:51
		Recorded 8 explosions (impacts)		20 May, 17:58-18:13
	4-6km ESE	Recorded 7 explosions (impacts)		20 May, 18:20-18:24
		Recorded 2 airbursts		20 May, 18:32
		Recorded 16 explosions (impacts)		20 May, 18:28-18:40
		Recorded 2 explosions (impacts)		20 May, 19:00
		Recorded 34 undetermined explosions		20 May, 19:33-19:58
		Recorded 22 undetermined explosions		20 May, 20:01-20:56
		Recorded 1 illumination flare in vertical flight		20 May, 20:58
		Recorded 4 undetermined explosions		20 May, 21:03-21:58
		Recorded 5 undetermined explosions		20 May, 22:02-22:24
		Recorded 1 airburst		20 May, 22:24
		Recorded 1 undetermined explosion		20 May, 22:25
		Recorded 1 projectile from SW to NE		20 May, 23:41
		Recorded 2 undetermined explosions		21 May, 00:34
		Recorded 2 undetermined explosions		21 May, 01:29
		Recorded 1 undetermined explosion		21 May, 07:07

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 1 undetermined explosion		21 May, 07:12		
		Recorded 1 undetermined explosion		21 May, 07:25		
	4-5km ESE	Recorded 1 undetermined explosion		21 May, 18:09		
		Recorded 3 undetermined explosions		21 May, 18:25-18:29		
		Recorded 11 undetermined explosions		21 May, 18:31-18:40		
		Recorded 8 undetermined explosions		21 May, 18:42-18:50		
		Recorded 7 undetermined explosions		21 May, 18:53-18:58		
	4-5km E	Recorded 2 airbursts		21 May, 19:04-19:06		
	SMM camera at Okhtiabr mine (9km NW of Donetsk city centre)	4-5km NNE		Recorded 1 undetermined explosion	N/K	19 May, 19:35
				Recorded 1 undetermined explosion		19 May, 19:36
Recorded 1 undetermined explosion			19 May, 19:37			
Recorded 1 undetermined explosion			19 May, 19:39			
Recorded 1 undetermined explosion			19 May, 19:48			
Recorded 1 undetermined explosion			19 May, 19:52			
Recorded 1 undetermined explosion			19 May, 19:53			
Recorded 2 undetermined explosions			19 May, 19:57			
Recorded 1 undetermined explosion			19 May, 21:07			
4-6km NE			Recorded 7 explosions (impacts)	20 May, 18:31-18:43		
		Recorded 1 airburst	20 May, 19:09			
6-10km NE		Recorded 4 undetermined explosions	20 May, 20:56-21:04			
		Recorded 10 projectiles from ESE to WNW	20 May, 21:19-21:31			
		Recorded 1 projectile from WNW to ESE	20 May, 21:32			
		Recorded 1 projectile from ESE to WNW	20 May, 21:36			
		Recorded 1 undetermined explosion	20 May, 21:41			
		Recorded 2 projectiles from WNW to ESE	20 May, 21:45			
		Recorded 3 tracers from WNW to ESE	20 May, 21:50			
		Recorded 2 projectiles from WNW to ESE	20 May, 21:58			
		Recorded 1 projectile from ESE to WNW	20 May, 21:59			
		Recorded 1 projectile from WNW to ESE	20 May, 22:00			
		Recorded 2 projectiles from ESE to WNW	20 May, 22:11			
		Recorded 1 undetermined explosion	20 May, 22:27			
		Recorded 1 projectile from WNW to ESE	20 May, 22:35			
		Recorded 1 undetermined explosion	20 May, 23:38			
		Recorded 1 undetermined explosion	20 May, 23:39			
		Recorded 1 projectile from WNW to ESE	20 May, 23:39			
		Recorded 4 projectiles from ESE to WNW	20 May, 23:40			
		Recorded 1 undetermined explosion	20 May, 23:42			
		Recorded 21 projectiles from WNW to ESE	20 May, 23:42			
		Recorded 15 projectiles from WNW to ESE	21 May, 00:17-00:34			
		Recorded 1 undetermined explosion	21 May, 00:37			
		Recorded 2 projectiles from ESE to WNW	21 May, 00:48-00:51			
		Recorded 1 undetermined explosion	21 May, 01:05-01:06			
		Recorded 15 projectiles from WNW to ESE	21 May, 01:06			
		Recorded 4 undetermined explosions	21 May, 01:07-01:09			
		Recorded 4 projectiles from WNW to ESE	21 May, 01:07-01:09			
Recorded 1 projectile from WNW to ESE		21 May, 01:24				

Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	1-2km SE	Heard 6 bursts	HMG	20 May, 09:42
		Heard 2 shots		
	4-6km WSW	Heard 4 bursts	Small arms	20 May, 10:02
		Heard 3 undetermined explosions	N/K	
	3-5km WSW	Heard 8 shots	HMG	20 May, 10:04
	1-2km SE	Heard 10 shots	Small arms	20 May, 10:13
		Heard 13 shots		20 May, 10:15-10:45
	3-5km W	Heard 5 undetermined explosions	N/K	
	3-5km SSE	Heard 5 bursts	Small arms	20 May, 10:51
		Heard 12 shots		20 May, 10:54
Heard 14 shots		20 May, 11:05		
3-5km W	Heard 1 undetermined explosion	N/K	20 May, 14:10	
2-3km NW	Heard 2 shots	Small arms	20 May, 14:21	
4-6km W	Heard 3 undetermined explosions	N/K	20 May, 15:00	
Avdiivka (government-controlled, 17km N of Donetsk)	1-2km E	Heard 1 undetermined explosion	N/K	20 May, 10:45
	1-2km ESE	Heard 5 undetermined explosions		20 May, 10:50
	2-3km ESE	Heard 13 undetermined explosions		20 May, 11:00-11:30
	1-2km ESE	Heard uncountable overlapping bursts and shots	IFV (BMP-2) cannon (30mm), HMG and small arms	20 May, 11:05-11:12
	1km SE	Heard 11 undetermined explosions	N/K	20 May, 12:00-12:30
	1-2km S	Heard 3 undetermined explosions		20 May, 14:10
2-3km ESE	Heard 44 undetermined explosions	20 May, 14:43		
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NNE	Recorded 1 rocket-assisted projectile from W to E	N/K	19 May, 20:52
		Recorded 2 rocket-assisted projectiles from W to E		19 May, 20:56
		Recorded 1 rocket-assisted projectile from W to E		19 May, 20:58
		Recorded 2 rocket-assisted projectiles from W to E		19 May, 20:59-21:00
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:03
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:05
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:07
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:09
		Recorded 1 illumination flare from S to N		19 May, 21:12
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:13
		Recorded 2 tracers from SW to NE		19 May, 21:15
		Recorded 2 rocket-assisted projectiles from W to E		19 May, 21:18-21:19
		Recorded 17 tracers from W to E		19 May, 21:22
		Recorded 1 rocket-assisted projectile from W to E		19 May, 21:23
		Recorded 2 tracers from SW to NE		19 May, 21:27-21:28
		Recorded 1 undetermined explosion		19 May, 21:29
		Recorded 1 tracer from SW to NE		19 May, 21:30
	N/K N	Recorded 7 tracers from E to W	19 May, 23:48	
		Recorded 2 rocket-assisted projectiles from W to E followed by subsequent explosions (impacts)	20 May, 20:50	
		Recorded 3 tracers from W to E	20 May, 20:54	
		Recorded 3 tracers from E to W	20 May, 20:55	
		Recorded 1 rocket-assisted projectile from W to E	20 May, 21:01	
		Recorded 2 tracers from W to E	20 May, 21:08	

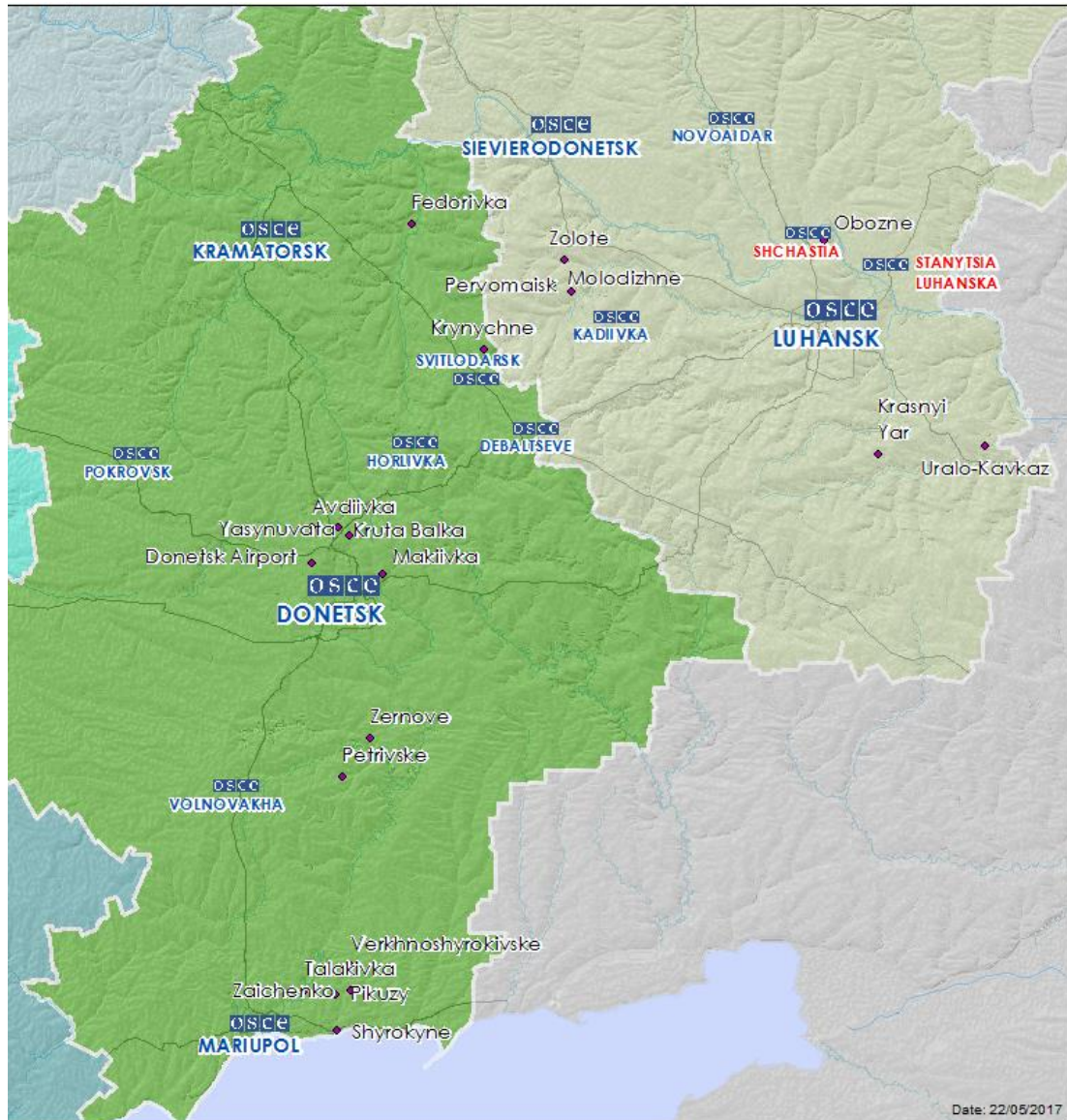
		Recorded 2 tracers from W to E		20 May, 21:09
		Recorded 3 tracers from W to E		20 May, 21:10
		Recorded 5 tracers from W to E		20 May, 21:11
		Recorded 14 tracers from W to E		20 May, 21:12
		Recorded 1 tracer from W to E		20 May, 21:13
		Recorded 2 tracers from W to E		20 May, 21:14
		Recorded at least 100 tracers in vertical flight		20 May, 22:04
		Recorded 17 tracers in vertical flight		20 May, 22:06
		Recorded 2 tracers from E to W		20 May, 22:12
		Recorded 8 tracers from E to W		20 May, 22:17
		Recorded 4 tracers from W to E		20 May, 22:20
		Recorded 5 tracers from E to W		20 May, 22:26
		Recorded 15 tracers from W to E		20 May, 22:28
		Recorded 13 tracers from E to W		20 May, 22:37-22:38
		Recorded 27 tracers from E to W		20 May, 22:42-22:43
		Recorded 17 tracers from E to W		20 May, 22:45
		Recorded 13 tracers from E to W		20 May, 22:48-22:49
		Recorded 24 tracers from E to W		20 May, 22:50-22:51
		Recorded 1 rocket-assisted projectile from E to W		20 May, 23:18
		Recorded 1 rocket-assisted projectile from W to E		20 May, 23:46
		Recorded 1 undetermined explosion		21 May, 01:31
		Recorded 2 rocket-assisted projectiles from E to W		21 May, 03:04
		Recorded 13 tracers from E to W		21 May, 03:18
Recorded 1 rocket-assisted projectile from E to W	21 May, 03:30			
Recorded 1 rocket-assisted projectile from E to W	21 May, 03:34			
Mariupol (government-controlled, 102km S of Donetsk)	N/K E	Heard 5 undetermined explosions	N/K	19 May, 19:15
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	4-5km S	Heard 15 bursts	Anti-aircraft cannon (ZU-23, 23mm)	19 May, 21:35-21:45
	4-5km S	Heard 15 bursts		20 May 21:15-21:55
Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-7km SE	Heard 7 undetermined explosions	N/K	19 May, 18:06-18:51
	3-5km SE	Heard 36 bursts	HMG	19 May, 21:44-21:54
		Heard 65 bursts		19 May, 22:00-23:00
	5-7km SE	Heard 17 undetermined explosions	N/K	19 May, 23:04-23:55
	3-5km SE	Heard 15 bursts	Small arms	20 May, 00:00-00:10
		Heard 12 undetermined explosions	N/K	20 May, 00:15-00:25
		Heard 15 bursts	HMG	20 May, 00:30-00:35
	5-7km SE	Heard 18 undetermined explosions	N/K	20 May, 00:37-00:56
	5-12km W	Heard 106 undetermined explosions		20 May, 05:45-05:55
	5-7km SE	Heard 45 bursts	HMG	20 May 17:20-17:25
		Heard 2 undetermined explosions	N/K	20 May 17:23
		Heard 3 undetermined explosions		20 May 17:27
		Heard 2 undetermined explosions		20 May 17:37
	3-7km SE	Heard 95 shots	Small arms	20 May, 18:30-22:00
		Heard 68 bursts (3-5 rounds each)	HMG	
Heard 113 undetermined explosions		N/K	20 May, 22:15-00:15	
Heard 46 undetermined explosions				
Heard 11 undetermined explosions				
Kadiivka (formerly Stakhanov, "LPR")-	10-12km WSW	Heard 44 undetermined explosions	N/K	19 May, 21:23-22:10

controlled, 50km W of Luhansk)				
500m SE of the bridge in Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	50m E	Heard 2 shots (impacts) (assessed as inside the disengagement area)	Small arms	20 May, 08:39
3km N of Pervomaïsk (“LPR”-controlled, 58km W of Luhansk)	3-5km E	Heard 180 shots (assessed as outside the disengagement area)	Small arms	20 May, 10:00-10:30
	8-10km WNW	Heard 1 undetermined explosion (assessed as outside the disengagement area)	N/K	20 May, 13:55
Kalynove-Borshchuvate (“LPR”-controlled, 61km W of Luhansk)	3-5km W	Heard 51 shots	Small arms	20 May, 11:30-11:45
1.5km E of Toshkivka (government-controlled, 60km NW of Luhansk)	6-8km SSE	Heard 1 undetermined explosion	N/K	20 May, 11:40
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	2-5km WSW	Heard 2 undetermined explosions	N/K	21 May, 10:20
		Heard 2 bursts	HMG	21 May, 10:37
	2-4km WSW	Heard 1 burst	HMG	21 May, 11:04
	1-3km W	Heard 5 undetermined explosions	N/K	21 May, 11:25-11:50
		Heard 3 bursts	Small arms	
		Heard 31 shots		
	1-3km N	Heard 25 bursts	HMG	
	2-5km SW	Heard 3 undetermined explosions	N/K	
	2-4km NNW	Heard 33 explosions (outgoing)	Mortar (N/K type)	21 May, 12:20-12:50
	3-5km NW	Heard 2 undetermined explosions	N/K	21 May, 13:37
	2-5km N	Heard 4 undetermined explosions		
		Heard 4 shots	Small arms	21 May, 13:49-13:52
		Heard 6 undetermined explosions	N/K	
	2-5km W	Heard 2 undetermined explosions	N/K	21 May, 13:55
	2-5km WSW	Heard 1 shot	Small arms	21 May, 13:56
	2-5km W	Heard 9 undetermined explosions	N/K	21 May, 14:00-14:04
		Heard uncountable overlapping bursts and shots	Small arms	
		Heard 1 shot		
	3-5km W	Heard 1 undetermined explosion	N/K	21 May, 14:11
		Heard 10 bursts	Small arms	
	2-5km W	Heard 1 undetermined explosion	N/K	21 May, 14:14
		Heard uncountable overlapping bursts and shots	Small arms	21 May, 14:14-14:20
		Heard 8 undetermined explosions	N/K	
		Heard 2 bursts	Small arms	21 May, 14:26
		Heard 1 undetermined explosion	N/K	21 May, 14:34
		Heard 1 undetermined explosion		21 May, 14:41
	1-2km WSW	Heard 1 undetermined explosion		21 May, 14:42
	2-5km W	Heard 1 shot	Small arms	21 May, 14:45
		Heard 1 undetermined explosion	N/K	
		Heard 5 bursts	HMG	
2-3km W	Heard 1 undetermined explosion	N/K	21 May, 14:48	
	Heard 5 bursts			
1-2km WSW	Heard 12 shots	Small arms	21 May, 14:49	
	Heard 2 shots		21 May, 14:51-14:52	
1-3km WSW	Heard 3 bursts		21 May, 14:53	
1-2km WSW	Heard 2 shots		21 May, 14:56	
	Heard 4 bursts			
3-5km W	Heard 1 undetermined explosion	N/K	21 May, 14:58	

	2-4km W	Heard 16 shots	Small arms	21 May, 15:01-15:11
		Heard 1 burst		21 May, 15:18
		Heard 2 shots		21 May, 15:23
		Heard 1 burst	HMG	21 May, 15:41
		Heard 10 shots	Small arms	21 May, 15:45
		Heard 3 bursts	HMG	
		Heard 1 undetermined explosion	N/K	21 May, 15:49
		Heard 2 shots	Small arms	21 May, 15:52
	3-5km NW	Heard 6 undetermined explosions	N/K	21 May, 16:33
	3-5km W	Heard 4 bursts	Small arms	21 May, 16:35-16:38
		Heard 6 undetermined explosions	N/K	21 May, 16:47-16:53
	2-4km N	21 May, 17:05-17:20		
	2-4km NW			Heard 7 undetermined explosions
	3-5km W	Heard 3 undetermined explosions		Small arms
		Heard 3 bursts		
	2-4km NW	Heard 6 undetermined explosions	N/K	21 May, 17:21-17:44
	2-4km N	Heard 8 undetermined explosions		
	3-5km W	Heard 9 undetermined explosions		
	2-4km N	Heard 1 burst	Small arms	
		Heard 12 bursts		
	2-4km W	Heard 10 shots	Small arms	21 May, 17:50
		Heard 6 shots		
	2-3km WNW	Heard 6 shots	N/K	21 May, 17:53
	3-4km WNW	Heard 3 undetermined explosions		21 May, 18:02
	2-3km W	Heard 2 undetermined explosions	Small arms	21 May, 18:04
	1-2km WNW	Heard 9 shots	N/K	21 May, 18:07
	3-4km W	Heard 2 undetermined explosions	Small arms	21 May, 18:07-18:09
		Heard 7 shots		21 May, 18:11
	1-2km WNW	Heard 4 bursts	N/K	21 May, 18:15-18:20
		Heard 8 undetermined explosions		
	2-3km WNW	Heard 8 undetermined explosions	Small arms	21 May, 18:21-18:24
	1-2km W	Heard 3 bursts	N/K	
		Heard 8 undetermined explosions		
	2-4km W	Heard 23 shots	Small arms	
		Heard 3 bursts		
		Heard 7 undetermined explosions		N/K
	1-3km NW	Heard 7 undetermined explosions	Small arms	21 May, 18:33
	2-3km WNW	Heard 6 burst	N/K	21 May, 18:35-18:41
		Heard 7 undetermined explosions		21 May, 18:42-18:43
	3-4km NW	Heard 5 undetermined explosions	Small arms	21 May, 18:45-18:46
5-8km W	Heard 2 undetermined explosions			
	Heard uncountable overlapping bursts and shots	N/K	21 May, 18:46	
2-3km NW	Heard 2 undetermined explosions			
1-3km NW	Heard uncountable overlapping bursts and shots	Small arms	21 May, 18:47-18:50	
2-3km WNW	Heard 7 undetermined explosions	N/K	21 May, 18:51-18:52	
	Heard 6 undetermined explosions		21 May, 18:53-18:54	
1-3km WNW	Heard 9 undetermined explosions	Small arms	21 May, 18:57	
2-3km WNW	Heard uncountable overlapping bursts and shots			
Avdiivka (government-controlled, 17km N of Donetsk)	3-5km E	Heard 18 undetermined explosions	N/K	21 May, 12:20-12:37
		Heard 5 undetermined explosions		21 May, 12:40-12:50
4-6km E	Heard 20 bursts	HMG	21 May, 14:16-14:20	
SMM camera in Shyrokyne (20km E of Mariupol)	N/K, NE	Recorded 1 explosion (impact)	N/K	21 May, 15:12
		Recorded 1 explosion (impact)		21 May, 15:14
1km N of Zaichenko ("DPR" controlled, 26km NE of Mariupol)	2-3km WSW	Saw 1 explosion (impact)	N/K	21 May, 10:24
Novotroitske (government)	3-4km ENE	Saw 5 airbursts	N/K	21 May, 15:15-15:30
		Heard 9 undetermined explosions		

controlled, 36km SW of Donetsk)	N/K ENE	Heard 3 bursts	Small arms	12 May, 15:40
	4-5km NE	Heard and saw 8 airbursts	N/K	
		Heard 19 undetermined explosions		
		Heard 3 undetermined explosions		
S of Novotroitske (government controlled, 36km SW of Donetsk)	N/K NE	Heard 6 undetermined explosions	N/K	21 May, 15:45-16:06
Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	3km SW	Heard 31 bursts	HMG	21 May, 11:54-12:25
		Heard 59 undetermined explosions	N/K	
		Heard 29 shots	Small arms	
	3km S	Heard 23 undetermined explosions	N/K	
3km SE	Heard 2 undetermined explosions			
2.5km N of Pervomaisk (“LPR”-controlled, 58km W of Luhansk)	3-4km SW	Heard 1 undetermined explosion (assessed as outside the disengagement area)	N/K	21 May, 12:55
		Heard 1 undetermined explosion (assessed as outside the disengagement area)		21 May, 13:02
	1km SW	Heard two shots (assessed as outside the disengagement area)	Small arms	21 May, 13:07

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.)