

Table of ceasefire violations as of 19 March 2017¹

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time	
SMM camera in Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	200m SSE	Recorded 12 shots (assessed as outside disengagement area)	Small arms	16 March, 20:26	
	1.2km S	Recorded 1 illumination flare in vertical flight (assessed as inside disengagement area)	N/K	16 March, 21:34	
SMM camera in Zolote (government-controlled, 60km NW of Luhansk)	2.7km S	Recorded 1 shot (assessed as inside disengagement area)	Small arms	16 March, 22:17	
		Recorded 1 shot (assessed as inside disengagement area)		16 March, 22:27	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km WSW	Heard 7 undetermined explosions	N/K	17 March, 18:38-18:40	
		Heard 11 bursts	HMG		
		Heard 3 undetermined explosions	N/K	17 March, 18:47	
		Heard 3 bursts	HMG	17 March, 19:32	
		Heard 2 bursts		17 March, 19:44	
		Heard 1 undetermined explosion	Artillery (type N/K)	17 March, 19:48	
	8-10km NE	Heard 33 undetermined explosions		17 March, 21:43-21:48	
	5-6km SW	Heard 6 undetermined explosions		HMG	17 March, 22:14-22:15
		Heard 4 bursts			
	4-6km WSW	Heard 5 undetermined explosions	Artillery (type N/K)	17 March, 22:20-22:24	
		Heard 9 undetermined explosions		17 March, 22:33	
	8-9km SW	Heard 9 undetermined explosions		17 March, 22:38-22:44	
	3-4km N	Heard 30 explosions (outgoing)		17 March, 23:13-23:15	
	3-4km NW	Heard 6 explosions (outgoing)		17 March, 23:27-23:33	
		Heard 29 explosions (outgoing)		17 March, 23:58-00:00	
	3-4km N	Heard 16 explosions (outgoing)		18 March, 00:13-00:16	
		Heard 6 explosions (outgoing)		18 March, 07:02-07:08	
4-5km SE	Heard 11 undetermined explosions	N/K		18 March, 09:00	
6km ESE	Heard 6 undetermined explosions				
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NNE	Recorded 23 tracers from E to W		N/K	17 March, 18:51
		Recorded 2 tracers from W to E			17 March, 18:56
		Recorded 50 undetermined explosions			17 March, 18:56
		Recorded 4 undetermined explosions			17 March, 19:01
		Recorded 1 tracer from S to N			17 March, 19:05
		Recorded 1 undetermined explosion			17 March, 19:07
	1km NE	Recorded 1 undetermined explosion			18 March, 09:32
SMM camera at Oktiabr mine ("DPR"-controlled, 9km NW of Donetsk)	3-4km NNE	Recorded 4 projectiles from E to W	N/K	17 March, 19:03	
		Recorded 1 projectiles from E to W		17 March, 19:12	
		Recorded 2 projectiles from W to E		17 March, 19:15	
		Recorded 1 projectiles from W to E		17 March, 19:16	

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.

city centre)		Recorded 1 undetermined explosion		17 March, 19:34
		Recorded 2 projectiles from W to E		17 March, 19:58
		Recorded 2 undetermined explosions		17 March, 20:03
		Recorded 1 undetermined explosion		17 March, 20:04
		Recorded 1 undetermined explosion		17 March, 20:05
	2-3km W	Recorded 3 projectiles from E to W		17 March, 21:03
	3-4km NNE	Recorded 1 undetermined explosion		17 March, 22:03
	2-3km W	Recorded 5 projectiles from W to E		17 March, 22:20
		Recorded 1 projectiles from E to W		17 March, 23:12
	6-10km NE	Recorded 4 airbursts		18 March, 16:12-16:16
		Recorded 3 airbursts		18 March, 16:32-16:37
		Recorded 1 undetermined explosion		18 March, 17:09
		Recorded 1 airburst		18 March, 17:13
		Recorded 4 undetermined explosions		18 March, 17:33-17:36
		Recorded 23 undetermined explosions		18 March, 17:45-18:10
Horlivka ("DPR"-controlled, 39km NE of Donetsk)	7-8km SW	Heard 36 undetermined explosions	N/K	17 March, 19:07-19:22
	3-5km SW	Heard 96 bursts	HMG	
		Heard 31 bursts	Small arms	
	5-6km SW	Heard 10 undetermined explosions	N/K	17 March, 19:24-19:25
		Heard 25 bursts	HMG	17 March, 19:24-19:25
	7-8km SW	Heard 3 undetermined explosions	N/K	17 March, 19:25-19:30
	5-6km SW	Heard 8 undetermined explosions		17 March, 19:31-19:35
		Heard 35 bursts	Small arms	17 March, 19:31-19:35
	6-8km SW	Heard 5 bursts	HMG	17 March, 19:35
	7-8km SW	Heard 1 undetermined explosion	N/K	17 March, 19.34-19.36
		Heard 75 bursts	Small arms	17 March, 19.34-19.36
	6-8km SW	Heard 5 bursts	HMG	17 March, 19:37
	4-5km SW	Heard 5 shots	AGL	17 March, 19:37
	6-7km SW	Heard 7 undetermined explosions	N/K	17 March, 19:37-19:39
	4-5km SW	Heard 5 bursts	HMG	17 March, 19:39
	2km W	Heard 5 shots	Small arms	17 March, 19:42
	3-5km SW	Heard 22 bursts		17 March, 19:44-19:48
		Heard 22 bursts	HMG	17 March, 19:48-20:00
	6-8km SW	Heard 25 undetermined explosions	N/K	17 March, 19:42-20:01
	3-5km SW	Heard 8 bursts	HMG	17 March, 20:05
	6-8km SW	Heard 24 undetermined explosions	N/K	17 March, 20:02-20:09
	3-5km SW	Heard 56 bursts	Small arms	17 March, 20:02-20:09
	7-9km SW	Heard 2 undetermined explosions	N/K	17 March, 20.10
	4-6km SW	Heard 18 bursts	HMG	17 March, 20:10
		Heard 5 bursts	Small arms	17 March, 20:14-20:15
	6-8km SW	Heard 5 bursts		17 March, 20:17
	3-5km SW	Heard 5 bursts	HMG	17 March, 20:18

	6-8km SW	Heard 15 undetermined explosions	N/K	17 March, 20:17-20:26			
	6-7km SW	Heard 6 undetermined explosions		17 March, 21:15			
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-6km E	Recorded 2 projectiles from E to W	N/K	17 March, 19:30			
		Recorded 1 projectiles from E to W		17 March, 19:31			
		Recorded 1 projectiles from E to W		17 March, 19:45			
		Recorded 1 illumination flare in vertical flight		17 March, 19:46			
		Recorded 1 projectile from W to E		17 March, 20:03			
		Recorded 2 undetermined explosions		17 March, 20:04			
		Recorded 1 undetermined explosion		17 March, 20:05			
		Recorded 1 projectile from W to E		17 March, 20:06			
		Recorded 1 projectile from W to E		17 March, 20:12			
		Recorded 1 projectile from W to E		17 March, 20:14			
		Recorded 1 projectile from W to E		17 March, 20:15			
		Recorded 1 projectile from E to W		17 March, 20:17			
		Recorded 1 projectile from W to E		17 March, 20:17			
		Recorded 2 projectiles from E to W		17 March, 20:19			
		Recorded 1 projectile from W to E		17 March, 20:32			
		Recorded 1 projectile from W to E		17 March, 20:33			
		Recorded 1 illumination flare in vertical flight		17 March, 21:04			
		Recorded 1 illumination flare in vertical flight		17 March, 21:06			
		Recorded 1 undetermined explosion		17 March, 22:56			
		Recorded 1 undetermined explosion		17 March, 22:59			
		Recorded 26 undetermined explosions		18 March, 07:00-07:53			
		Recorded 1 undetermined explosion		18 March, 17:24			
		"DPR"-controlled Donetsk city centre		6-8km NNW	Heard 4 undetermined explosions	N/K	17 March, 20:00
					Heard 5 undetermined explosions		17 March, 20:03
					Heard 6 undetermined explosions		17 March, 20:14
				3-5km NNW	Heard 3 undetermined explosions		17 March, 20:30
Heard 16 undetermined explosions	17 March, 20:32-20:59						
6-8km NNW	Heard 57 undetermined explosions		17 March, 21:01-21:35				
	Heard 16 undetermined explosions		17 March, 21:38-21:57				
	Heard 18 undetermined explosions		17 March, 22:05-22:27				
	Heard 20 undetermined explosions		17 March, 22:35-22:48				
	Heard 9 undetermined explosions		17 March, 22:52-22:58				
	Heard 18 undetermined explosions		17 March, 23:01-23:09				
	Heard 32 undetermined explosions		17 March, 23:10-23:15				
	Heard 38 undetermined explosions		17 March, 23:16-23:21				
	Heard 26 undetermined explosions		18 March, 00:03-00:12				
	Heard 15 undetermined explosions		18 March, 00:14-00:17				
Heard 13 undetermined explosions	18 March, 00:19-						

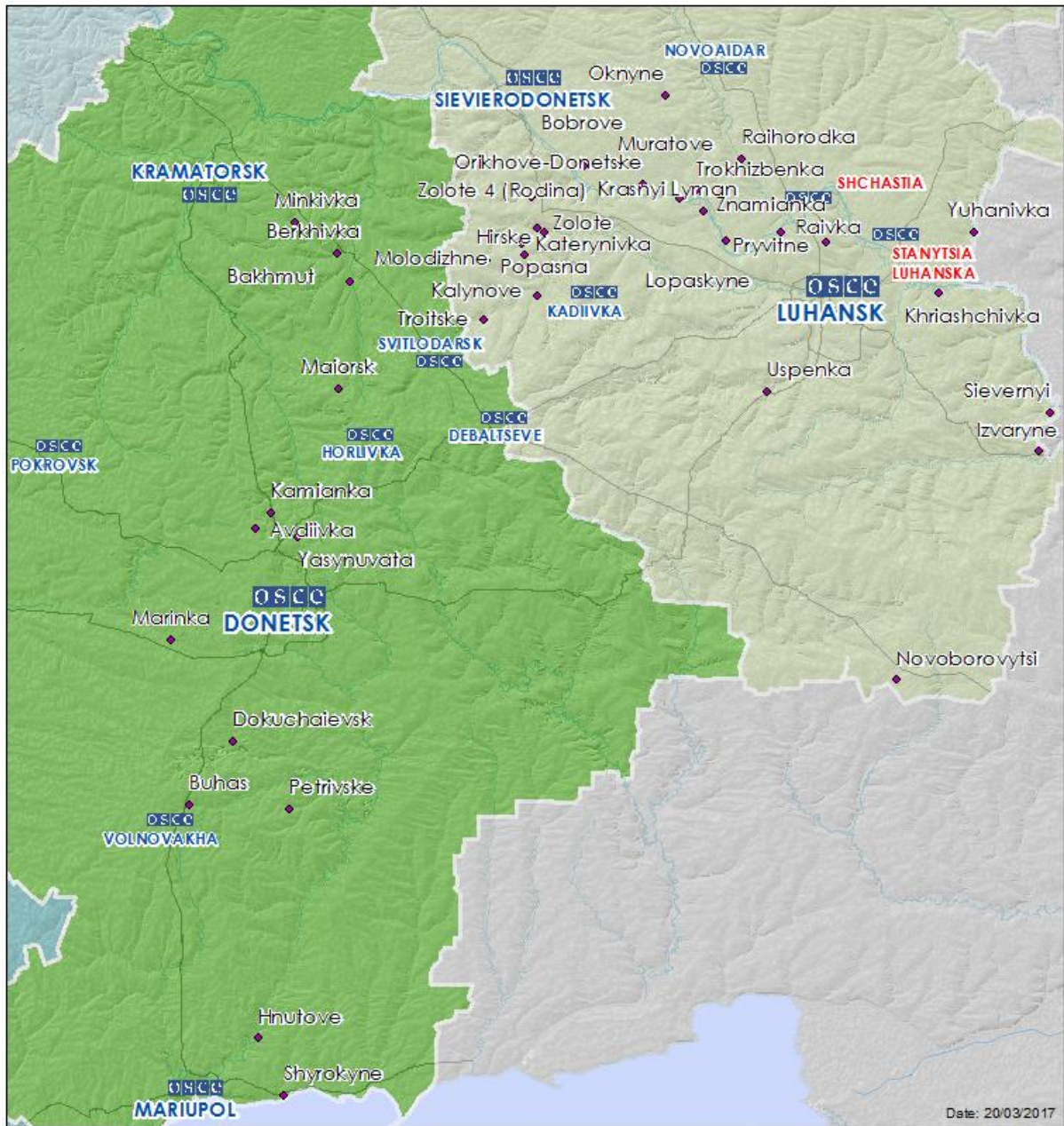
				00:31
Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	6-8km W	Heard 32 undetermined explosions	N/K	17 March, 22:38-23:15
	3-8km NW	Heard 57 undetermined explosions		18 March, 00:20-00:32
		Heard 9 undetermined explosions		18 March, 05:20-05:37
Mariupol (government-controlled, 102km S of Donetsk)	N/K NNE and NE	Heard 18 undetermined explosions	N/K	18 March, 08:10-08:27
		Heard 11 undetermined explosions		18 March, 08:30-09:00
Kamianka (government-controlled, 20km N of Donetsk)	3-4km SE	Heard 2 bursts	Small arms	18 March, 08:38
	5-7km SW	Heard 1 undetermined explosion	N/K	18 March, 08:45
	4-6km S	Heard 3 undetermined explosions		18 March, 09:03
	3-5km S	Heard 10 bursts	HMG	18 March, 09:04
	2-3km SE	Heard 2 undetermined explosions	N/K	18 March, 09:12
	3-5km S	Heard 15 bursts	HMG	18 March, 09:13
	6-7km SW	Heard 1 undetermined explosion	N/K	18 March, 09:25
	4-6km S	Heard 5 undetermined explosions		18 March, 09:27
	3-5km S	Heard 5 bursts	HMG	18 March, 09:28
	1-2km E	Heard 8 single shots	Small arms	18 March, 09:44
	5-7km S	Heard 5 undetermined explosions	N/K	18 March, 09:49
	4-6km S	Heard 15 bursts	HMG	18 March, 09:50
	3-5km SE	Heard 16 undetermined explosions	N/K	18 March, 09:55-10:15
		Heard at least 20 shots	Small arms	
		Heard 2 undetermined explosions	N/K	18 March, 10:37
	3-5km S	Heard 1 undetermined explosion		18 March, 11:28
2km SE	Heard 1 undetermined explosion	18 March, 11:46		
Avdiivka (government-controlled, 17km N of Donetsk)	2-3km SE	Heard 4 undetermined explosions	N/K	18 March, 09:00
		Heard 8 bursts	Small arms	
		Heard 15 shots		
		Heard 2 undetermined explosions	N/K	18 March, 09:11
		Heard 5 bursts	Small arms	
		Heard 7 shots		
		Heard 2 bursts		
	Heard 5 shots	18 March, 09:25		
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	5-7km N	Heard 1 undetermined explosion	N/K	18 March, 09:10
		Heard 1 undetermined explosion		18 March, 09:47
		Heard 5 bursts	Small arms	
	4-5km W	Heard 1 undetermined explosion	N/K	18 March, 09:56
		Heard 2 undetermined explosions		18 March, 09:58
		Heard 5 shots	Small arms	
		Heard 3 undetermined explosions	N/K	18 March, 10:00
	Heard 1 undetermined explosion	18 March, 10:11		
	1-2km WSW	Heard 1 undetermined explosion	N/K	18 March, 11:28
3-5km WSW	Heard 1 undetermined explosion	18 March, 11:42		
1-2km W	Heard 1 undetermined explosion	18 March, 11:49		
Petrivske (“DPR”-controlled, 41km south of Donetsk)	5-8km SE	Heard 158 shots (assessed as outside disengagement area)	Small arms	18 March, 09:30-09:43
2km SE of Lebedynske (government-controlled, 16km NE of Mariupol)	N/K N	Heard 3 bursts	N/K	18 March, 09:41
Berdianske (government-controlled, 18km E of Mariupol),	N/K NNE	Heard 1 undetermined explosion	N/K	18 March, 10:03
Orlivske	2-3km E	Heard 3 bursts	HMG	18 March, 12:03

(government-controlled, 23km NE of Mariupol)	N/K SSE	Heard 1 undetermined explosion	N/K	18 March, 12:15
Andriivka (government-controlled, 61km S of Donetsk)	N/K WNW	Heard 1 undetermined explosion	N/K	18 March, 12:26
1km N of Sopyne (government-controlled, 16km E of Mariupol)	3km E	Heard 10 bursts	Small arms	18 March, 13:18
	5-7km E	Heard 1 undetermined explosion	N/K	18 March, 13:56
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	7km W	Heard 93 undetermined explosions	Artillery (type N/K)	17 March, 17:56-20:06
	2km WNW	Heard 33 explosions (outgoing)		
	7km W	Heard 125 bursts	HMG	
	3-10km NW	Heard 24 undetermined explosions	Artillery (type N/K)	17 March, 21:49-22:09
	10km W	Heard 10 undetermined explosions		18 March, 17:34-17:54
		Heard 24 bursts	HMG	
SMM camera in Zolote (government-controlled, 60km W of Luhansk)	2.2km SE	Recorded 6 shots (assessed as inside disengagement area)	Small arms	17 March, 18:28
	1.4km SE	Recorded 2 shots (assessed as outside disengagement area)	N/K	17 March, 19:07
Kalynove ("LPR"-controlled, 60km W of Luhansk)	10km S	Heard 3 undetermined explosions	N/K	18 March, 08:50
1.8km NE of Khoroshe ("LPR"-controlled, 36km W of Luhansk)	5km N	Heard 1 undetermined explosion	N/K	18 March, 09:13
Kalynove ("LPR"-controlled, 60km W of Luhansk)	3-5km S	Heard 1 undetermined explosion	N/K	18 March, 09:40
Stanytsia Luhanska (government-controlled, 16km NE of Luhansk)	2-3km ESE	Heard 7 shots (assessed as outside disengagement area)	Small arms	18 March, 10:10
4km SE of Bobrove (government-controlled, 56km NW of Luhansk)	10km S	Heard 10 undetermined explosions	N/K	18 March, 10:34-10:49
	10km SE	Heard 27 undetermined explosions		
Zolote-Pervomaisk disengagement area (60km NW of Luhansk)	12km SW	Heard 5 undetermined explosions (assessed as outside disengagement area)	N/K	18 March, 10:42-10:43
1km SW of Molodizhne ("LPR"-controlled, 63km NW of Luhansk)	5km SSW	Heard 15 undetermined explosions	N/K	18 March, 10:45
		Heard 4 bursts	HMG	
3.7km SW of Muratove (government-controlled, 51km NW of Luhansk)	>7km SE	Heard 6 undetermined explosions	N/K	18 March, 10:56-11:06
2.8km SE of Muratove (government-controlled, 51km NW of Luhansk)	5km S	Heard 76 undetermined explosions	N/K	18 March, 11:17-11:45
		Heard at least 200 shots	Small arms	
Veselohorivka ("LPR"-controlled, 64km W of Luhansk)	2km NNW	Heard 30 shots	HMG	18 March, 11:54
Troitske (government-controlled, 69km W of Luhansk)	7-8km NE	Heard 10-12 undetermined explosions	Artillery (122mm or 152mm)	18 March, 12:06
		Heard 3 undetermined explosions	N/K	

Svitlodarsk (government-controlled, 57km NE of Donetsk)	5-8km SW	Heard 68 undetermined explosions	N/K	18 March, 17:20-17:45		
		Heard 24 undetermined explosions		18 March, 17:45-18:07		
		Heard 38 undetermined explosions		18 March, 18:20-18:38		
	5-8km SSE	Heard 21 undetermined explosions		18 March, 19:09-19:28		
	4-6km SSW	Heard 4 explosions (impacts)	Mortar (120mm)	18 March, 22:16		
	4-6km SE	Heard 10 bursts	Anti-aircraft cannon (ZU-23, 23mm)	19 March, 17:15-17:45		
Heard 20 bursts		Small arms				
"DPR"-controlled Donetsk city centre	6-8km NW	Heard 2 undetermined explosions	N/K	18 March, 18:53		
	5-7km NE	Heard 10 undetermined explosions		18 March, 19:33-19:34		
	6-8km NW	Heard 1 undetermined explosion		18 March, 19:36		
		Heard 1 undetermined explosion		18 March, 19:41		
		Heard 4 undetermined explosions		18 March, 21:15		
		Heard 1 undetermined explosion		18 March, 21:53		
		Heard 2 undetermined explosions		18 March, 22:11		
		Heard 1 undetermined explosion		18 March, 22:15		
		Heard 4 undetermined explosions		18 March, 22:22-22:23		
		Heard 5 undetermined explosions		18 March, 22:26-22:27		
		Heard 5 undetermined explosions		18 March, 23:22-23:28		
		SMM camera in Shyrokyne (20km E of Mariupol)		N/K NNE	Recorded 2 projectiles from E to W	N/K
	Recorded 1 tracer from E to W				18 March, 20:01	
Recorded 1 tracer from E to W	18 March, 20:02					
Recorded 18 tracers from E to W	18 March, 20:04					
Recorded 13 tracers from E to W	18 March, 20:28					
Recorded 1 tracer from W to E	18 March, 20:34					
Recorded 1 explosion (impact)	18 March, 20:35					
Recorded 3 undetermined explosions	18 March, 20:36					
Recorded 5 tracers from W to E	18 March, 21:53					
Recorded 1 explosion (impact)	18 March, 21:54					
Recorded 6 tracers from W to E	18 March, 21:57					
Recorded 2 tracers from E to W	18 March, 22:01					
Recorded 7 tracers from W to E	18 March, 22:15					
Recorded 3 tracers from W to E	18 March, 22:23					
Recorded 4 tracers from E to W	18 March, 23:47					
Recorded 4 tracers from E to W	18 March, 23:49					
Recorded 1 tracer from W to E	19 March, 00:05					
Recorded 1 tracer from SW to NE	19 March, 00:06					
Recorded 1 tracer from W to E	19 March, 00:11					
Recorded 1 tracer from SW to NE	19 March, 00:12					
Recorded 1 tracer from SW to NE	19 March, 00:13					
Recorded 1 tracer from W to E	19 March, 00:17					
Recorded 1 tracer from W to E	19 March, 00:43					
Recorded 1 tracer from SW to NE	19 March, 00:59					
Recorded 1 tracer from SW to NE	19 March, 01:01					
Recorded 10 tracers from E to W	19 March, 02:10					
Recorded 4 tracers from E to W	19 March, 02:31					
Recorded 30 tracers from E to W	19 March, 02:45					
Recorded 10 tracers from E to W	19 March, 02:57					
8-9km N	Recorded 11 explosions (impacts)		19 March, 17:52-			

		Recorded 1 rocket-assisted projectile from W to E		17:59
	N/K N	Recorded 1 rocket-assisted projectile from SW to NE		19 March, 18:18-18:19
		Recorded 1 rocket-assisted projectile from W to E		
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	6-8km SW	Heard 2 undetermined explosions	N/K	18 March, 21:07-21:12
	5-6km SW	Heard 15 bursts (3-5 shots each)	Small arms	18 March, 21:07
	6-8km SW	Heard 25 bursts (3-5 shots each)	HMG	18 March, 21:10
	3-5km W	Heard 8 bursts (3-5 shots each)	Small arms	18 March, 21:14
	2-4km SW	Heard 3 shots		18 March, 21:20
	6-8km SW	Heard 3 undetermined explosions	N/K	18 March, 21:28-21:31
	3-6km SW	Heard 15 bursts (3-5 shots each)	Small arms	18 March, 21:29
	3-5km SW	Heard 5 bursts (3-5 shots each)	HMG	18 March, 21:31
3-6km SW	Heard 6 bursts (3-5 shots each)	Small arms	18 March, 21:52	
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	5-7km ESE	Recorded 1 projectile from S to N	N/K	18 March, 22:20
		Recorded 1 projectile from S to N		18 March, 22:43
SMM camera at Oktiabr mine (“DPR”-controlled, 9km NW of Donetsk city centre)	6-8km NE	Recorded 1 projectile from NW to SE	N/K	18 March, 23:27
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	5-8km W	Heard 2 undetermined explosions	N/K	19 March, 10:32
	3-5km W	Heard 4 explosions (outgoing)	Mortar (2B9 <i>Vasilek</i> , 82mm)	19 March, 10:33
		Heard 2 undetermined explosions	N/K	19 March, 10:38
	5-8km W	Heard 5 undetermined explosions		19 March, 10:40
	3-5km W	Heard 1 undetermined explosion		19 March, 11:03
	2-5km W	Heard 7 explosions (outgoing)		19 March, 11:23-11:55
		Heard 7 explosions (impacts)		
	3-5km WSW	Heard 22 undetermined explosions	19 March, 13:00-13:05	
	3-5km W	Heard 7 bursts	Small arms	
	4-7km SW	Heard 5 undetermined explosions	N/K	19 March, 13:20
1-2km NNW	Heard 10 shots	Small arms	19 March, 13:32	
3-5km WSW	Heard 1 undetermined explosion	N/K	19 March, 13:37	
Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SE	Heard 2 undetermined explosions	N/K	19 March, 10:34
		Heard 3 undetermined explosions		19 March, 10:39
		Heard 2 undetermined explosions		19 March, 10:41
		Heard 3 undetermined explosions		19 March, 11:35
		Heard 1 undetermined explosions		19 March, 11:44
		Heard 1 undetermined explosion		19 March, 11:53
		Heard 2 undetermined explosions		19 March, 11:55
		Heard 7 undetermined explosions		19 March, 12:05
		Heard 7 undetermined explosions		19 March, 12:06
1.5km S of Kamianka (government-controlled, 20km N of Donetsk)	5-6km SW	Heard 10 shots	Small arms	19 March, 12:15
	2km S	Heard 42 bursts	HMG	19 March, 12:20-12:30
Kadiivka (formerly Stakhanov, “LPR”-controlled, 50km W of Luhansk)	10km NW	Heard 12 undetermined explosions	N/K	19 March, 00:02-00:15
		Heard 3 shots	HMG	
Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	5km SSW	Heard 6 shots	Small arms	19 March, 08:55

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 based on recommendations of security experts from participating States.)