

**Table of ceasefire violations as of 18 December 2017<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-5km SE	Heard 6 bursts	HMG	17 December, 18:06
	3-5km SE	Heard 8 shots	SA	17 December, 18:07
	3-5km ESE	Heard 1 undetermined explosion	N/K	17 December, 18:07
	5-7km ESE	Heard 1 undetermined explosion	N/K	17 December, 18:21
	2-3km SE	Heard 7 bursts	HMG	17 December, 18:28
	2-3km SE	Heard 4 bursts	HMG	17 December, 18:29
	2-3km SE	Heard 8 shots	HMG	17 December, 18:30
	3-5km ESE	Heard 2 explosions (outgoing)	N/K	17 December, 18:44
	3-5km ESE	Heard 1 undetermined explosion	N/K	17 December, 18:50
	3-5km ESE	Heard 3 undetermined explosions	N/K	17 December, 18:58
	2-3km SE	Heard 2 bursts	HMG	17 December, 19:10
	2-3km SE	Heard 3 bursts	HMG	17 December, 19:16
	2-3km SE	Heard 5 bursts	SA	17 December, 19:29
	2-3km SE	Heard 7 bursts	HMG	17 December, 19:34
	1-2km SSE	Heard 3 bursts	HMG	17 December, 19:36
	2-3km SE	Heard 5 bursts	HMG	17 December, 19:40
	3-5km ESE	Heard 7 bursts	SA	17 December, 19:45
	2-3km SE	Heard 3 bursts	HMG	17 December, 19:47
	7-10km S	Heard 8 undetermined explosions	N/K	17 December, 19:51
	2-3km SE	Heard 12 bursts	HMG	17 December, 19:59-20:03
	5-7km SW	Heard 9 undetermined explosions	N/K	17 December, 20:04
	2-3km SE	Heard 9 bursts	HMG	17 December, 20:06
	2-3km SE	Heard 27 bursts	SA	17 December, 20:08-20:12
	2-3km SE	Heard 1 undetermined explosion	N/K	17 December, 20:12
	2-3km SE	Heard 11 bursts	HMG	17 December, 20:13-20:15
	2-3km SE	Heard 4 bursts	HMG	17 December, 20:17
	2-3km SE	Heard 9 bursts	SA	17 December, 20:31
	2-3km SE	Heard 7 bursts	HMG	17 December, 20:34
	5-7km SW	Heard 2 undetermined explosions	N/K	17 December, 20:35
	2-3km SE	Heard 6 bursts	HMG	17 December, 20:40
	5-7km SW	Heard 1 undetermined explosion	N/K	17 December, 20:41
	2-3km SE	Heard 23 bursts	HMG	17 December, 20:43-20:45
	2-3km SE	Heard 8 shots	IFV (BMP-2) cannon (30mm)	17 December, 20:42
	2-3km SE	Heard 4 bursts	HMG	17 December, 20:46
	2-3km SE	Heard 1 burst	IFV (BMP-2) cannon (30mm)	17 December, 20:47
	2-3km SE	Heard 4 bursts	IFV (BMP-2) cannon (30mm)	17 December, 20:56
	2-3km SE	Heard 12 bursts	HMG	17 December, 20:57-21:01
	2-3km SE	Heard 15 undetermined explosions	N/K	17 December, 20:58-21:03
	1-7km ESE to SE	Heard 29 undetermined explosions		17 December, 21:05-21:11
	5-7km SE	Saw 2 undetermined explosions		17 December, 21:07
0.5-1km SE	Saw 5 tracers in flight from W to E	17 December, 21:08		
1-7km ESE-SE	Heard uncountable overlapping bursts and shots	HMG, SA, IFV (BMP-2) cannon	17 December, 21:05-21:11	

<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.

		(30mm)		
2-3km SE	Heard 3 explosions (impacts)	N/K	17 December, 21:11	
2-3km SE	Heard 10 bursts	IFV (BMP-2) cannon (30mm)	17 December, 21:11-21:14	
2-3km SE	Heard 32 bursts	HMG	17 December, 21:15-21:28	
2-3km SE	Heard 5 bursts	HMG	17 December, 21:30-21:35	
2-3km SE	Heard 7 bursts	SA	17 December, 21:30-21:35	
7-10km SSE	Heard 3 undetermined explosions	N/K	17 December, 21:40	
3-5km SE	Heard 6 bursts	HMG	17 December, 21:40-21:47	
3-5km SE	Heard 12 bursts	SA	17 December, 21:40-21:47	
7-10km SSW	Heard 2 undetermined explosions	N/K	17 December, 21:51	
3-5km SE	Heard 2 explosions (impacts)	Mortar (82mm)	17 December, 22:00	
2-3km SE	Heard 16 bursts	HMG	17 December, 22:01-22:04	
5-7km SW	Heard 3 undetermined explosions	N/K	17 December, 22:05	
3-5km SE	Heard 19 bursts	SA	17 December, 22:06-22:07	
3-5km SE	Heard 5 undetermined explosions	N/K	17 December, 22:08-22:09	
2-10km ESE to S	Heard 65 undetermined explosions		17 December, 22:10-22:25	
5-7km WSW	Heard 4 undetermined explosions		17 December, 22:12- 22:13	
2-3km SE	Heard 2 bursts	HMG	17 December, 22:26	
1-5km SE	Heard 9 bursts	IFV (BMP-2) cannon (30mm)	17 December, 22:28- 22:30	
1-5km SE	Heard 22 bursts	HMG	17 December, 22:28- 22:30	
2-3km SE	Heard 3 bursts	HMG	17 December, 22:33	
2-3km SE	Heard 4 shots	IFV (BMP-2) cannon (30mm)	17 December, 22:38	
3-5km WSW	Heard 3 explosions (impacts)	N/K	17 December, 22:39	
5-7km WSW	Heard 3 explosions (impacts)		17 December, 22:40	
2-3km S	Heard 5 bursts	HMG	17 December, 22:42-22:43	
2-3km SE	Heard 8 bursts	HMG	17 December, 22:46-22:47	
5-7km WSW	Heard 2 undetermined explosions	N/K	17 December, 22:48	
2-5km SE	Heard 4 explosions (outgoing)		N/K	17 December, 22:56-22:59
	Heard 6 explosions (impacts)			
2-3km SE	Heard 3 outgoing explosions			17 December, 23:00
2-3km SE	Heard 1 explosion (impact)			17 December, 23:02
2-3km SE	Heard 1 explosion (impact)			17 December, 23:04
2-3km SE	Heard 1 explosion (impact)			17 December, 23:05
2-3km SE	Heard 2 explosion (outgoing)			17 December, 23:06
2-3km SE	Heard 2 explosions (impacts)			17 December, 23:07
2-3km SE	Heard 2 explosion (outgoing)			17 December, 23:09
2-3km SE	Heard 2 explosions (impacts)			17 December, 23:09
2-3km SE	Heard 1 explosion (outgoing)			17 December, 23:10
2-3km SE	Heard 1 explosion (impact)			17 December, 23:11
2-3km SE	Heard 9 bursts			SA
7-12km SE	Saw 2 explosions (outgoing)	Artillery (type N/K)		17 December, 23:17
1-2km ESE	Heard 3 subsequent explosions (impacts)		17 December, 23:17-23:18	
2-3km SE	Heard 1 explosion (impact)	N/K	17 December, 23:22	
2-3km SE	Heard 5 bursts	SA	17 December, 23:27	
3-5km WSW	Heard 2 undetermined explosions	N/K	17 December, 23:33	
3-5km WSW	Heard 5 explosions (impacts)		17 December, 23:38-23:39	
2-3km ESE	Heard 5 bursts		17 December, 23:40	
7-12km WSW	Saw 2 explosions (outgoing)		17 December, 23:42	
3-5km WSW	Heard 4 subsequent explosions (impacts)	N/K	17 December, 23:42-23:43	
2-3km SE	Heard 7 bursts	SA	17 December, 23:50	
3-7km WSW	Heard 5 undetermined explosions	N/K	18 December, 00:08-00:10	

	2-3km SE	Heard 6 bursts	HMG	18 December, 00:09
	2-3km E	Heard 8 explosions (outgoing)	N/K	18 December, 00:12-00:13
	2-3km E	Heard 10 explosions (outgoing)	N/K	18 December, 00:15-00:16
	2-3km E	Heard 10 explosions (outgoing)	N/K	18 December, 00:17-00:18
	2-3km E	Heard 2 explosion (outgoing)	N/K	18 December, 00:17-00:23
	2-3km ESE	Heard 17 bursts	SA	18 December, 00:25-00:31
	3-5km WSW	Heard 1 explosion (impacts)	N/K	18 December, 00:33
	2-3km SE	Heard 2 explosion (outgoing)	Mortar (120mm)	18 December, 00:34
	2-3km SE	Heard 4 explosion (outgoing)	Mortar (120mm)	18 December, 00:35-00:38
	2-3km SE	Heard 4 explosions (impacts)	N/K	18 December, 00:40-00:41
	2-3km SE	Heard 22 bursts	SA	18 December, 00:52-00:54
	2-3km E	Heard 15 explosions (outgoing)	N/K	18 December, 01:02-01:07
	2-3km SE	Heard 2 undetermined explosion	N/K	18 December, 01:23
	3-5km WSW	Heard 4 undetermined explosions	N/K	18 December, 07:35-07:37
	2-3km SE	Heard 7 bursts	IFV (BMP-2) cannon (30mm)	18 December, 07:37-07:40
	3-5km WSW	Heard 1 undetermined explosions	N/K	18 December, 10:00
		Heard 1 undetermined explosions		18 December, 10:04
		Heard 3 undetermined explosions		18 December, 10:34
		Heard 4 undetermined explosions		18 December, 10:37
		Heard 2 undetermined explosions		18 December, 10:42
	2-3km SE	Heard 1 undetermined explosions		18 December, 10:46
		Heard 2 undetermined explosions		18 December, 10:59
		Heard 2 undetermined explosions		18 December, 11:10
		Heard 3 undetermined explosions		18 December, 11:18
		Heard 3 undetermined explosions		18 December, 11:52
		Heard 2 undetermined explosions		18 December, 12:02
		Heard 4 undetermined explosions		18 December, 12:25-12:30
		Heard 1 undetermined explosion		18 December, 12:33
		Heard 4 undetermined explosions		18 December, 12:37-12:39
		Heard 1 undetermined explosion		18 December, 12:41
		Heard 1 undetermined explosion		18 December, 12:43
		Heard 6 undetermined explosions		18 December, 12:45-12:51
		Heard 10 undetermined explosion		18 December, 14:51-14:55
	Heard 6 undetermined explosions	18 December, 15:02-15:10		
	2-5km SW	Heard 23 undetermined explosions		
		Heard 12 bursts	HMG	
	1-2km SW	Heard 3 bursts		18 December, 15:27-15:37
		Heard 20 shots	AGL (AGS-17, 30mm)	
	2-3km SE	Heard 7 explosions (outgoing)	Mortar (82mm)	
	2-3km SW	Heard 1 explosion (impact)	N/K	18 December, 15:40
	1-2km S	Heard 7 bursts	HMG	18 December, 16:18
	2-3km SE	Heard 17 bursts		18 December, 16:19-16:21
	1-2km SW	Heard 20 explosions (impacts)	N/K	18 December, 16:50-16:52
	2-3km SE	Heard 4 bursts	HMG	18 December, 17:10
	3-5km SWS	Heard 1 undetermined explosion	N/K	18 December, 17:37
	2-4km SW	Heard 9 bursts	HMG	18 December, 17:40
	3-5km SW	Heard 16 bursts		18 December, 17:46-17:50
	2-3km SW	Heard 8 bursts		18 December, 17:57
	3km ESE	Heard 3 bursts	IFV (BMP-2) cannon (30mm)	18 December, 18:03
	3-4km SE	Heard 16 bursts	HMG	18 December, 18:11
	2-3km SE	Heard 1 explosion (impact)	Recoilless gun (SPG-9) cannon (73mm)	18 December, 18:13
		Heard 11 bursts	HMG	18 December, 18:14-18:15

	2-3km S	Heard 3 bursts		18 December, 18:17
	3-5km SE	Heard 4 shots	AGL (AGS-17, 30mm)	18 December, 18:25
	3-4km SE	Heard 25 bursts	HMG	18 December, 18:26-18:28
		Heard 13 shots	AGL (AGS-17, 30mm)	18 December, 18:29-18:30
	3-5km ESE	Heard 4 bursts	HMG	18 December, 18:31
3-4km SE	Heard 19 bursts	18 December, 18:33		
SMM camera 1km SW of Shyrokyne (20km E of Mariupol)	N/K	Recorded 4 projectiles from E to W	N/K	17 December, 18:31
		Recorded 1 illumination flare from W to E		17 December, 18:44
		Recorded 1 undetermined explosion		17 December, 20:58
SMM camera at Donetsk Filtration Station (15km N of Donetsk)	0.5-1.5km S	Recorded 1 undetermined explosion	N/K	17 December, 18:44
		Recorded 1 projectile from E to W		17 December, 18:45
		Recorded 2 undetermined explosion		17 December, 19:05
		Recorded 1 projectile from E to W		17 December, 19:08
		Recorded 2 projectiles from W to E		17 December, 19:24
		Recorded 1 projectile from W to E		17 December, 19:25
		Recorded 3 projectiles from E to W		
		Recorded 1 undetermined explosion		17 December, 19:31
		Recorded 1 undetermined explosion		17 December, 19:32
		Recorded 1 projectile from W to E		17 December, 19:34
		Recorded 11 projectiles from W to E		17 December, 19:35
		Recorded 21 projectiles from W to E		17 December, 19:37
		Recorded 1 undetermined explosion		17 December, 19:43
		Recorded 1 undetermined explosion		17 December, 19:45
		Recorded 1 undetermined explosion		
		Recorded 1 projectile from E to W		17 December, 19:46
		Recorded 3 undetermined explosions		17 December, 19:46
		Recorded 1 projectile from E to W		17 December, 20:08
		Recorded 1 undetermined explosion		17 December, 20:17
		Recorded 1 undetermined explosion		17 December, 20:32
		Recorded 2 projectiles from E to W		
		Recorded 1 projectile from E to W		17 December, 20:36
		Recorded 1 undetermined explosion		
		Recorded 1 undetermined explosion		17 December, 20:37
		Recorded 1 illumination flare		
		Recorded 3 projectiles from E to W		17 December, 20:38
		Recorded 1 undetermined explosion		
		Recorded 1 projectile from E to W		17 December, 20:39
		Recorded 1 projectile from E to W		17 December, 20:42
		Recorded 2 projectiles from W to E		17 December, 20:44
Recorded 1 undetermined explosion	17 December, 20:47			
Recorded 2 projectiles from E to W	17 December, 20:50			
Recorded 15 projectiles from E to W	17 December, 20:56			
Recorded 18 projectiles from W to E	17 December, 20:57			

		Recorded 4 undetermined explosions		
		Recorded 1 projectile from W to E		17 December, 21:04
		Recorded 2 projectiles from W to E		17 December, 21:06
		Recorded 1 projectile from E to W		17 December, 21:07
		Recorded 1 undetermined explosion		17 December, 21:11
		Recorded 3 undetermined explosions		17 December, 21:33
		Recorded 1 undetermined explosion		17 December, 21:38
		Recorded 1 undetermined explosion		17 December, 21:43
		Recorded 1 undetermined explosion		17 December, 21:44
		Recorded 1 undetermined explosion		17 December, 21:50
		Recorded 1 projectile from E to W		17 December, 21:55
		Recorded 1 undetermined explosion		17 December, 21:58
		Recorded 1 undetermined explosion		17 December, 22:00
		Recorded 1 projectile from W to E		17 December, 22:01
		Recorded 1 projectile from E to W		17 December, 22:04
		Recorded 1 projectile from E to W		17 December, 22:05
		Recorded 1 undetermined explosion		17 December, 22:10
		Recorded 1 projectile from W to E		17 December, 22:13
		Recorded 3 undetermined explosions		17 December, 22:14
		Recorded 1 undetermined explosion		17 December, 22:15
		Recorded 1 undetermined explosion		17 December, 22:19
		Recorded 1 undetermined explosion		17 December, 22:20
		Recorded 1 projectile from W to E		17 December, 22:21
		Recorded 5 projectiles from W to E		17 December, 22:27
		Recorded 1 projectile from W to E		17 December, 22:28
		Recorded 1 projectile from W to E		17 December, 22:30
		Recorded 1 undetermined explosion		17 December, 22:31
		Recorded 2 projectiles from W to E		17 December, 22:32
		Recorded 1 projectile from E to W		
		Recorded 4 undetermined explosions		

	Recorded 1 projectile from W to E	
	Recorded 2 undetermined explosions	17 December, 22:34
	Recorded 5 projectile from E to W	17 December, 22:37
	Recorded 1 projectile from E to W	17 December, 22:39
	Recorded 9 projectiles from E to W	
	Recorded 2 projectiles from W to E	17 December, 22:41
	Recorded 3 undetermined explosions	
	Recorded 2 projectiles from E to W	17 December, 22:42
	Recorded 2 undetermined explosions	17 December, 22:43
	Recorded 1 undetermined explosion	
	Recorded 2 projectiles from E to W	17 December, 22:44
	Recorded 3 projectiles from E to W	17 December, 22:45
	Recorded 1 undetermined explosion	17 December, 22:47
	Recorded 2 projectiles from W to E	
	Recorded 1 undetermined explosion	17 December, 22:48 17 December, 22:51
	Recorded 1 projectile from W to E	
	Recorded 1 projectile from E to W	17 December, 22:54
	Recorded 3 undetermined explosions	
	Recorded 1 undetermined explosion	17 December, 23:12
	Recorded 1 projectile from W to E	
	Recorded 1 undetermined explosion	17 December, 23:15
	Recorded 1 undetermined explosion	17 December, 23:16
	Recorded 1 undetermined explosion	17 December, 23:17
	Recorded 1 undetermined explosion	17 December, 23:22
	Recorded 1 undetermined explosion	17 December, 23:27
	Recorded 1 projectile from E to W	17 December, 23:29
	Recorded 1 projectile from E to W	17 December, 23:30
	Recorded 1 undetermined explosion	17 December, 23:32
	Recorded 2 projectiles from E to W	
	Recorded 1 projectile from W to E	17 December, 23:33
	Recorded 1 projectile from E to W	17 December, 23:34

	Recorded 2 projectiles from E to W	17 December, 23:35
	Recorded 1 projectile from E to W	17 December, 23:36
	Recorded 1 projectile from W to E	17 December, 23:41
	Recorded 2 projectiles from E to W	18 December, 00:02
	Recorded 1 projectile from E to W	18 December, 00:03
	Recorded 2 projectiles from E to W	18 December, 00:06
	Recorded 2 projectiles from W to E	18 December, 00:12
	Recorded 1 projectile from E to W	18 December, 00:14
	Recorded 1 projectile from E to W	18 December, 00:15
	Recorded 2 projectiles from E to W	18 December, 00:16
	Recorded 1 undetermined explosion	18 December, 00:23
	Recorded 2 projectile from E to W	18 December, 00:25
	Recorded 1 projectile from E to W	18 December, 00:26
	Recorded 3 undetermined explosions	18 December, 00:33
	Recorded 1 projectile from E to W	18 December, 00:35
	Recorded 4 projectiles from E to W	18 December, 00:39
	Recorded 3 projectiles from E to W	18 December, 00:40
	Recorded 11 projectiles from E to W	18 December, 00:42
	Recorded 2 undetermined explosions	18 December, 00:43
	Recorded 25 projectiles from E to W	18 December, 00:48
	Recorded 2 projectiles from E to W	18 December, 00:52
	Recorded 1 projectile from E to W	18 December, 00:54
	Recorded 2 undetermined explosions	18 December, 00:55
	Recorded 1 projectile from E to W	18 December, 00:56
	Recorded 1 undetermined explosion	18 December, 00:57
	Recorded 1 undetermined explosion	18 December, 01:02
	Recorded 2 projectiles from E to W	18 December, 01:03
	Recorded 2 projectiles from E to W	18 December, 01:04
	Recorded 1 projectile from E to W	18 December, 01:08

		Recorded 2 projectiles from W to E	18 December, 01:09
		Recorded 1 projectile from E to W	18 December, 01:10
		Recorded 4 undetermined explosions	18 December, 01:38
		Recorded 1 undetermined explosion	18 December, 01:39
		Recorded 2 projectiles from W to E	18 December, 01:51
		Recorded 1 undetermined explosion	
		Recorded 1 projectile from E to W	18 December, 01:52
		Recorded 1 projectile from E to W	18 December, 02:07
		Recorded 1 undetermined explosion	18 December, 02:09
		Recorded 1 undetermined explosion	18 December, 02:38
		Recorded 1 undetermined explosion	18 December, 02:39
		Recorded 8 projectiles from E to W	18 December, 02:40
		Recorded 1 projectiles from W to E	
		Recorded 1 illumination flare from S to N	18 December, 02:47
		Recorded 1 projectile from E to W	18 December, 03:09
		Recorded 1 undetermined explosion	18 December, 03:23
		Recorded 1 undetermined explosion	18 December, 03:38
		Recorded 15 projectiles from E to W	18 December, 04:00
		Recorded 2 projectiles from W to E	18 December, 04:15
		Recorded 1 projectile from W to E	18 December, 04:20
		Recorded 1 undetermined explosion	18 December, 04:28
		Recorded 1 undetermined explosion	18 December, 04:29
		Recorded 1 undetermined explosion	18 December, 04:30
		Recorded 2 projectiles from E to W	
		Recorded 1 undetermined explosion	18 December, 04:36
		Recorded 1 illumination flare	18 December, 04:36
		Recorded 3 projectiles from E to W	18 December, 04:45
		Recorded 2 projectiles from E to W	18 December, 05:10
		Recorded 1 projectile from E to W	18 December, 05:12
		Recorded 1 projectile from E to W	18 December, 05:14



		Recorded 14 projectiles from W to E		18 December, 05:20
		Recorded 1 projectile from W to E		18 December, 05:28
		Recorded 1 projectile from E to W		18 December, 05:29
		Recorded 1 projectile from E to W		18 December, 05:30
		Recorded 1 projectiles from W to E		18 December, 05:49
		Recorded 3 projectiles from W to E		18 December, 05:35
		Recorded 1 projectile from E to W		18 December, 05:51
		Recorded 1 projectile from E to W		18 December, 05:52
		Recorded 2 projectiles from E to W		18 December, 06:09
		Recorded 1 projectile from E to W		18 December, 06:15
		Recorded 1 projectile from E to W		18 December, 06:26
		Recorded 1 undetermined explosion		
SW edge of Avdiivka (government-controlled, 17km N of Donetsk)	2-4km SSW	Heard 10 undetermined explosions	N/K	18 December, 08:51-09:10
		Heard 6 bursts	HMG	18 December, 08:58
	2-3km SE	Heard 2 bursts	SA	18 December, 09:02-09:10
	2-3km E	Heard 3 bursts	N/K	18 December, 09:10-09:30
		Heard 3 undetermined explosions		18 December, 09:35-10:03
	2-4km SSW	Heard 3 undetermined explosions		18 December, 09:38-09:45
	2-5km SSW	Heard 16 undetermined explosions		18 December, 09:39-09:45
	2-3km E	Heard 4 undetermined explosions		18 December, 10:08-10:20
	2-3km S	Heard 2 undetermined explosions		18 December, 11:20
	2-3km E	Heard 8 undetermined explosions	SA	18 December, 11:30
		Heard 2 bursts	N/K	
	2-3km S	Heard 1 undetermined explosion	HMG	
	2-3km E	Heard 1 undetermined explosion	N/K	18 December, 11:49-12:00
		Heard 1 burst	HMG	18 December, 14:05-14:20
3-5km SSW	Heard 6 undetermined explosions	HMG	18 December, 09:20-09:27	
2-3km S	Heard 2 bursts	HMG	18 December, 09:21-09:29	
Railway station in Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	1-3km E	Heard 9 shots	HMG	18 December, 09:31-09:32
		Heard 10 bursts		18 December, 09:34-10:39
	2-4km W	Heard at least 15 undetermined explosions	N/K	18 December, 09:35
	1-3km E	Heard 12 bursts	HMG	18 December, 09:36
	2-4km W	Heard 1 undetermined explosion	N/K	18 December, 09:41
	3-5km W	Heard 1 undetermined explosion		18 December, 09:42
	1-3km E	Heard 10 shots	HMG	18 December, 09:44-09:46
	3-5km W	Heard 1 undetermined explosion	N/K	18 December, 09:50-09:54
	1-3km E	Heard 11 shots	HMG	18 December, 09:55
	3-5km W	Heard 9 undetermined explosion	N/K	18 December, 10:00
	1-3km E	Heard 7 shots	SA	18 December, 10:05
	3-5km W	Heard 3 undetermined explosion	N/K	18 December, 10:11
	1-3km E	Heard 3 shots	SA	
	3-5km W	Heard uncountable overlapping bursts and shots		

	1-3km E	Heard 5 shots		18 December, 10:13	
		Heard 2 bursts		18 December, 10:15-10:45	
		Heard 54 shots			
	2-4km W	Heard 8 undetermined explosions	N/K	SA	18 December, 10:15-10:45
		Heard 3 bursts			
		Heard 6 shots			
	1-3km E	Heard 5 shots	SA	18 December, 10:45	
	2-4km W	Heard 1 undetermined explosion	N/K	18 December, 10:55	
	1-3km W	Heard 1 shot	SA	18 December, 11:26	
	3-5km W	Heard 1 undetermined explosion	N/K	18 December, 11:38	
	1-3km W	Heard 2 shots	SA	18 December, 11:39	
	3-5km W	Heard 5 undetermined explosions	N/K	18 December, 11:50	
	1-3km E	Heard 2 bursts	SA	18 December, 12:00-12:30	
		Heard 52 shots			
	2-5km NW	Heard 6 undetermined explosions	N/K	HMG	
		Heard 2 bursts			
	1-3km E	Heard 20 shots	SA	18 December, 12:45-12:50	
	1-3km W	Heard 3 undetermined explosions	N/K	18 December, 12:58	
	2-4km W	Heard 18 undetermined explosions		18 December, 13:00-13:28	
	1-3km E	Heard 1 burst	SA	18 December, 13:02-13:05	
	1-3km W	Heard 3 burst	HMG		
	1-3km E	Heard 1 burst		18 December, 13:11	
	2-3km N	Heard 9 bursts	18 December, 13:09		
1-3km E	Heard 2 shots	SA	18 December, 13:10		
2-4km W	Heard 1 burst		18 December, 13:11		
1-3km E	Heard 5 burst	HMG	18 December, 13:13-13:21		
1-3km SW	Heard 1 burst		18 December, 13:24		
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	2-3km W	Heard 4 shots	SA	18 December, 11:30	
		Heard 17 shots		18 December, 11:35-11:37	
		Heard 2 undetermined explosions			
	3-4km W	Heard 1 undetermined explosions	N/K	18 December, 11:39	
	2-3km W	Heard 12 shots	SA	18 December, 11:40-11:51	
		Heard 4 undetermined explosion	N/K		
	2-3km NW	Heard 2 bursts	SA	18 December, 12:53-13:00	
	3-5km NW	Heard 5 undetermined explosions	N/K		
	2-3km NW	Heard 3 shots	SA		
4-5km NW	Heard 1 undetermined explosion	N/K	18 December, 13:15-13:26		
3-4km NW	Heard 6 bursts	HMG			
1km NNW of Pyshchevyk (government-controlled, 25km NE of Mariupol)	N/K ESE	Heard 1 undetermined explosion	N/K	18 December, 09:10	
E edge of Verkhnohyrovivske (formerly Oktiabr, "DPR"-controlled, 29km NE of Mariupol)	2-3km E	Heard 1 burst	SA	18 December, 09:45	
Bezimenne ("DPR"-controlled, 30km east of Mariupol)	N/K NNW	Heard 21 undetermined explosions	N/K	18 December, 13:10-13:30	
SMM camera at entry-exit checkpoint in Maiorsk (government-controlled, 45km NE of Donetsk)	2-4km NE	Recorded 9 projectiles from N to S	N/K	18 December, 18:10	
		Recorded 1 projectile from S to N			

Popasna (government- controlled, 69km W of Luhansk)	6-8km SE	Heard 6 undetermined explosions	N/K	17 December, 20:51-20:56
	3-4km SE	Heard 3 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	
	3-4km SE	Heard 8 bursts	HMG	17 December, 21:31-21:35
	3-4km SE	Heard 2 explosions (impacts)	Mortar (120mm)	17 December, 22:05-22:23
	6-8km SE	Heard 5 undetermined explosions	N/K	
	3-4km SE	Heard 18 bursts	HMG	
		Heard 8 shots	AGL (AGS-17, 30mm)	
	8-10km SE	Heard 6 undetermined explosions	N/K	17 December, 23:25-23:39
	3-4km SE	Heard 20 explosions (outgoing)	Mortar (82mm)	17 December, 23:45-00:06
	6-8km SW	Heard 40 explosions (outgoing and impacts)	Artillery (152mm)	18 December, 00:10-00:38
	6-8km SW	Heard 9 undetermined explosions	N/K	18 December, 01:25-02:04
	3-4km SE	Heard 6 bursts	SA	
	6-8km SE	Heard 11 undetermined explosions	N/K	
	3-4km SE	Heard 20 bursts	SA	
	3-4km SE	Heard 30 bursts	SA	18 December, 02:16-02:46
	6-8km SE	Heard 11 undetermined explosions	N/K	
	3-4km SE	Heard 53 bursts	SA	
	6-8km SE	Heard 20 undetermined explosions	N/K	
	3-4km SE	Heard 6 bursts	SA	
	6-8km SE	Heard 35 undetermined explosions	N/K	
3-4km SE	Heard 40 bursts	SA	18 December, 02:52-03:05	
6-8km SE	Heard 30 undetermined explosions	N/K		
6-8km SE	Heard 10 bursts	HMG		
3-4km SE	Heard 2 undetermined explosions	N/K		
3-4km SE	Heard 36 bursts	SA		
Holubivske ("LPR"- controlled, 51km W of Luhansk)	5km SW	Heard 2 undetermined explosions	N/K	18 December, 09:23
	3km NE	Heard 1 burst (5 shots)	HMG	18 December, 09:25
	5km E	Heard 3 undetermined explosions	N/K	18 December, 09:29
Kalynove- Borshchuvate ("LPR"-controlled, 61km W of Luhansk)	7-10km SW	Heard 6 undetermined explosions	N/K	18 December, 10:30-10:45
N edge of Kruhlyk ("LPR"-controlled, 31km SW of Luhansk)	7-8km NW	Heard 6 undetermined explosions (assessed as part of a live-fire exercise)	N/K	18 December, 11:57-12:02
S edge of Berezivske ("LPR"-controlled, 53km NW of Luhansk)	7-12km ENE	Heard 22 undetermined explosions	N/K	18 December, 12:01-12:13

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