

**Table of ceasefire violations as of 15 January 2017<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time
Debaltseve ("DPR"-controlled, 58km NE of Donetsk)	5-8km NW	Heard 1 undetermined explosion	N/K	13 January, 19:25
		Heard 3 bursts	HMG	13 January, 19:32
		Heard 1 undetermined explosion	N/K	13 January, 19:36
		Heard 1 undetermined explosion		13 January, 20:25
		Heard 5 bursts	HMG	13 January, 20:34-20:36
	5-8km NW	Heard 37 undetermined explosions	N/K	14 January, 21:21-21:30
	7-10km NW	Heard 8 undetermined explosions		14 January, 22:30-22:36
Park Inn Hotel ("DPR"-controlled, Donetsk)	8-10km NW	Heard 2 undetermined explosions	N/K	13 January, 20:02-20:03
	5-10km W	Heard 14 undetermined explosions		14 January, 02:20
	7-10km NW	Heard 2 undetermined explosions		14 January, 21:56
		Heard 1 undetermined explosion		14 January, 22:09
		Heard 7 undetermined explosions		14 January, 22:13-22:14
		Heard 7 undetermined explosions		14 January, 22:20-22:24
		Heard 33 undetermined explosions		14 January, 22:28-22:34
		Heard 4 undetermined explosions		14 January, 22:49
		Heard 2 undetermined explosions		14 January, 22:58
		Heard 31 undetermined explosions		14 January, 23:41-23:58
		Heard 4 undetermined explosions		15 January, 00:41-00:48
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-4km SE	Recorded 2 undetermined explosions	N/K	13 January, 18:39
		Recorded 1 illumination flare in vertical flight		13 January, 19:46
	3-4km ESE	Recorded 34 projectiles from WNW to ESE		14 January, 07:04
		Recorded 11 projectiles from ESE to WNW		
	4-5km ESE	Recorded 2 shots		14 January, 07:33
	5-6km SE	Recorded 1 projectile from NE to SW		14 January, 16:34
	4-5km ESE	Recorded 1 undetermined explosion		14 January, 16:37
		Recorded 1 projectile from NW to ESE		
3-4km ESE	Recorded 3 undetermined explosions			

<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.

	4-5km ESE	Recorded 5 projectiles from NW to SE		14 January, 16:39
		Recorded 6 undetermined explosions		
	3-4km ESE	Recorded 2 projectiles from WNW to ESE		14 January, 16:40
	4-5km ESE	Recorded 2 projectiles from NE to SW		14 January, 16:41
		Recorded 9 projectiles from NE to SW		14 January, 16:47
		Recorded 9 projectiles from NE to SW		14 January, 16:49
		Recorded 18 projectiles from NE to SW		14 January, 16:50
		Recorded 2 undetermined explosions		14 January, 17:02
		0.5-1km SE		Recorded 1 projectile from NW to SE
	0.5-1km SE	Recorded 1 projectile from NW to SE		14 January, 17:13
		Recorded 1 projectile from NW to SE		14 January, 17:16
		4-6km ESE		Recorded 5 projectiles from S to N
	4-6km ESE	Recorded 13 projectiles from S to N		14 January, 22:07-22:09
		Recorded 1 projectile from N to S		14 January, 22:12
		Recorded 31 projectiles from S to N		14 January, 22:14-22:17
		Recorded 3 projectiles from N to S		14 January, 22:23-22:30
		Recorded 3 projectiles from N to S		14 January, 22:55-23:02
		Recorded 1 illumination flare from S to N		14 January, 23:08
		Recorded 1 projectile from S to N		14 January, 23:13
		Recorded 2 projectiles from NW to SE		15 January, 03:00
		Recorded 2 projectiles from NW to SE		15 January, 03:11-03:15
		Recorded 3 tracers from N to S		15 January, 16:14-16:16
		Recorded 1 airburst		
		Recorded 1 flare from N to S		
		Recorded 1 airburst		15 January, 16:17
		Recorded 1 flare from W to E		
		Recorded 1 undetermined explosion		
		Recorded 2 flares from N to S		
	Recorded 2 flares from W to E	15 January, 16:18-16:20		
	Recorded 1 undetermined explosion	15 January, 16:22		
	3-5km ESE	Recorded 21 tracers from S to N		15 January, 16:24-16:25

		Recorded 4 tracers from N to S		15 January, 16:27-16:28
		Recorded 2 tracers from S to N		15 January, 16:28
		Recorded 2 tracers from N to S		15 January, 16:29
		Recorded 9 tracers from S to N		15 January, 16:31
		Recorded 6 tracers from N to S		
		Recorded 3 tracers from N to S		15 January, 16:32
		Recorded 4 tracers from S to N		
		Recorded 5 tracers from S to N		15 January, 16:33
		Recorded 2 tracers from S to N		15 January, 16:34
		Recorded 1 tracer from N to S		
		Recorded 1 projectile of direct fire from S to N		15 January, 16:37
		Recorded 2 projectiles of direct fire from N to S		15 January, 16:42
		Recorded 1 projectile of direct fire from N to S		15 January, 16:43
		Recorded 1 undetermined explosion		15 January, 16:44
		Recorded 4 tracers from N to S		15 January, 16:47-16:48
		Recorded 1 undetermined		15 January, 16:51
Recorded 7 tracers from S to N	15 January, 16:55			
Recorded 1 undetermined	15 January, 17:01			
SMM camera at Oktiabr mine (9km NW of Donetsk city centre)	6-8km NE	Recorded 1 illumination flare in vertical flight	N/K	13 January, 18:33
		Recorded 1 projectile in direct flight from SE to NW		13 January, 19:05
		Recorded 2 tracers from N to S		13 January, 19:31
		Recorded 2 illumination flares in vertical flight		13 January, 20:49-20:52
		Recorded 1 airburst		14 January, 16:30
	6-10km NE	Recorded 2 projectiles from SE to NW		14 January, 16:41-16:43
		Recorded 1 undetermined explosion		14 January, 16:44
		Recorded 1 projectile from SE to NW		14 January, 16:52
		Recorded 2 undetermined explosions		14 January, 16:55-16:59
		Recorded 2 projectiles (outgoing) from NW to SE		14 January, 17:00
		Recorded 2 undetermined explosions		
	7-10km NE	Recorded 3 projectiles from NW to SE		14 January, 17:11-17:16
	4-6km NE	Recorded 1 projectile from SE to NW		14 January, 17:21
	6-8km NE	Recorded 2 airbursts		14 January, 17:23-17:25
		Recorded 1 airburst		14 January, 17:33
	8-10km NE	Recorded 2 projectiles from NW to SE		14 January, 17:57
	7-10km NE	Recorded 5 projectiles from WNW to ESE		14 January, 18:21-18:22
		Recorded 9 illumination flares from NW to SE		14 January, 19:33-19:35
		Recorded 12 projectiles from NW		14 January, 19:53-

		to SE		19:53
		Recorded 26 projectiles from SE to NW		14 January, 19:54-19:58
		Recorded 3 projectiles from NW to SE		14 January, 19:58
		Recorded 1 projectile from SE to NW		14 January, 19:59
		Recorded 1 projectile from NW to SE		
		Recorded 4 projectiles from SE to NW		14 January, 20:00
		Recorded 1 illumination flare from SE to NW		
		Recorded 2 projectiles from SE to NW		14 January, 20:01
		Recorded 1 illumination flare from NW to SE		14 January, 20:04
		Recorded 1 projectile from SE to NW		14 January, 20:05
		Recorded 1 projectile in flight from NW to SE		
		Recorded 1 undetermined explosion		14 January, 20:12
		Recorded 24 projectiles from NW to SE		14 January, 20:13-20:14
		Recorded 1 undetermined explosion		14 January, 20:16
		Recorded 23 projectiles from NW to SE		14 January, 20:18-20:23
		Recorded 1 undetermined explosion		14 January, 20:23
		Recorded 3 projectiles from NW to SE		14 January, 20:24-20:27
		Recorded 1 undetermined explosion		14 January, 20:30
		Recorded 38 projectiles from NW to SE		14 January, 20:33-20:45
		Recorded 1 illumination flare from SE to NW		14 January, 20:46
		Recorded 6 undetermined projectiles from NW to SE		14 January, 20:47
		Recorded 4 projectiles from SE to NW		14 January, 20:59-21:14
		Recorded 3 undetermined explosions		14 January, 21:27-21:47
		Recorded 1 illumination flare from NW to SE		14 January, 21:48
		Recorded 5 projectiles from NW to SE		14 January, 21:55-21:57
		Recorded 3 undetermined explosions		14 January, 22:05-22:15
		Recorded 1 projectile from SE to NW		14 January, 22:18
		Recorded 2 projectiles from NW to SE		14 January, 22:21
		Recorded 2 undetermined explosions		14 January, 22:26-23:05
		Recorded 1 projectile from NW to SE		14 January, 23:34
	3-4km NNE	Recorded 2 projectiles of direct fire from S to N		15 January, 16:52
	5-6km NNE	Recorded 7 undetermined explosions		15 January, 17:02-17:05
	3-4km NNE	Recorded 8 tracers from W to E		15 January, 17:22-17:24

	4-5km NNE	Recorded 10 undetermined explosions		15 January, 17:49-18:01
Horlivka (“DPR”-controlled, 39km NE of Donetsk)	6-8km SW	Heard 3 bursts (3-5 shots each)	Small arms	13 January, 18:00
		Heard 10 bursts (3-5 shots each)		13 January, 18:04-18:11
		Heard 8 bursts (3-5 shots each)	HMG	
	6-9km SE	Heard 2 undetermined explosions	N/K	13 January, 18:12-18:20
		Heard 3 bursts (3-5 shots each)	Small arms	13 January, 18:22
		Heard 25 bursts (3-5 shots each)	HMG	13 January, 18:23-18:30
	6-8km W	Heard 33 undetermined explosions	N/K	13 January, 18:35-18:46
	6-8km SW	Heard 6 undetermined explosions		13 January, 18:46-18:56
		Heard 4 bursts (3-5 shots each)	Small arms	
		Heard 4 shots		
	6-9km SE	Heard 7 bursts (3-5 shots each)	HMG	13 January, 18:57
	6-8km SW	Heard 4 bursts (3-5 shots each)	Small arms	13 January, 19:00-19:01
		Heard 4 bursts (3-5 shots each)	HMG	
	6-9km SE	Heard 2 bursts (3-5 shots each)	Small arms	13 January, 19:02-19:24
		Heard 5 shots		
		Heard 7 undetermined explosions	N/K	
	6-8km SW	Heard 49 undetermined explosions		13 January, 19:25-19:57
		Heard 7 bursts (3-5 shots each)	Small arms	13 January, 20:10
		Heard 15 undetermined explosions	N/K	13 January, 21:01-21:47
		Heard 7 undetermined explosions		14 January, 05:20-06:05
5-7km SW	Heard 2 undetermined explosions		14 January, 16:05	
	Heard 1 undetermined explosion		14 January, 16:18	
Horlivka entry-exit checkpoint (“DPR”-controlled, 39km NE of Donetsk)	1km SSW	Heard 10 bursts	HMG	14 January, 09:45-10:00
Svitlodarsk (government-controlled, 57km NE of Donetsk)	3-4km SE	Heard 3 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	13 January, 18:10-18:20
		Heard 2 explosions (impacts)	Mortar (82mm)	13 January, 19:20-19:22
		Heard 3 bursts	HMG	13 January, 19:27-19:30
		Heard 5 bursts		13 January, 19:53-19:55
		Heard 3 bursts		13 January, 21:25-21:27
		Heard 1 explosion (impact)	Mortar (82mm)	
		Heard 3 bursts	HMG	13 January, 21:53
		Heard 2 undetermined explosions	N/K	13 January, 22:12
		Heard 2 explosions (impacts)	Mortar (82mm)	13 January, 22:15
		Heard 5 shots	HMG	13 January, 22:20
		Heard 3 explosions (outgoing)	IFV (BMP-1) cannon (73mm)	13 January, 22:40
		Heard 5 bursts	HMG	13 January, 22:45
		Heard 12 shots (outgoing)	IFV (BMP-2) cannon (30mm)	13 January, 22:50
		Heard 2 undetermined explosions	N/K	13 January, 22:52
		Heard 8 shots (outgoing)	IFV (BMP-2) cannon (30mm)	13 January, 23:05

		Heard 2 undetermined explosions	N/K	13 January, 23:10
		Heard 25 bursts	HMG	14 January, 06:05-06:45
		Heard 10 bursts	Anti-aircraft gun (ZU-23-2, 23mm)	
		Heard 2 bursts	Anti-aircraft gun (ZU-23-2, 23mm)	14 January, 11:02
		Heard 1 explosion (impact)	Mortar (82mm)	14 January, 11:22
		Heard 7 bursts	Small arms	14 January, 14:36
		Heard 1 explosion (impact)	Artillery (type N/K)	14 January, 14:42
		Heard continuous exchange of fire	Small arms	14 January, 14:42-14:48
		Heard 27 explosions (outgoing)	Artillery (type N/K)	14 January, 14:51-14:59
4-6km SE		Heard 8 explosions (outgoing)	N/K	14 January, 15:13-15:16
		Heard 1 explosion (impact)		
3-4km SE		Heard 5 bursts	Small arms	14 January, 15:23-15:26
		Heard 17 explosions (outgoing)	N/K	
4-6km SE		Heard 5 bursts	Small arms	14 January, 15:24-15:40
3-4km SE		Heard 14 bursts		N/K
		Heard 3 explosions (outgoing)		
		Heard 6 bursts	HMG	14 January, 16:12
4-6km SE		Heard 7 bursts	Small arms	14 January, 16:14-16:21
		Heard 3 single shots	AGL	14 January, 16:24
		Heard 3 explosions (impacts)	N/K	14 January, 16:31
		Heard 6 explosions (outgoing)		14 January, 16:31-16:39
6-8km ESE		Heard 6 undetermined explosions	HMG	14 January, 16:39-17:01
		Heard 2 bursts		14 January, 17:21
4-6km SE		Heard 2 bursts	Anti-aircraft gun (ZU-23-2, 23mm)	14 January, 17:31
		Heard 1 explosion (outgoing)	N/K	14 January, 17:47
		Heard 1 burst	HMG	14 January, 17:55
3-4km SE		Heard 18 bursts	Small arms	14 January, 18:31-18:42
		Heard 8 bursts	HMG	
		Heard 4 explosions (impacts)	Artillery (type N/K)	14 January, 19:10-19:16
		Heard a continuous exchange of fire	Small arms	
		Heard 39 explosions (outgoing)	Artillery (type N/K)	
		Heard 5 explosions (impacts)		
		Heard a continuous exchange of fire	Small arms	14 January, 20:02-20:14
		Heard 15 explosions (outgoing)	Artillery (type N/K)	
		Heard 8 explosions (impacts)		
		Heard 3 bursts	HMG	
		Heard 9 explosions (outgoing)	Artillery (type N/K)	14 January, 20:52-21:11
	Heard 19 bursts	Small arms		
	Heard 6 explosions (impacts)	AGL		
3-5km NE		Heard 40 explosions (outgoing)	Artillery (type N/K)	14 January, 21:22-21:54
		Heard 25 explosions (impacts)		

		Heard 5 explosions (outgoing)		14 January, 22:27-22:30	
	3-4km SE	Heard 2 explosions (impacts)			
	4-6km WSW	Heard 19 undetermined explosions	N/K	15 January, 13:55-14:08	
		Heard 60 bursts	HMG		
		Heard 12 undetermined explosions	N/K	15 January, 14:08-14:18	
		Heard unaccountable bursts	HMG		
	5-6km SW	Heard 12 undetermined explosions	N/K	15 January, 16:32-16:38	
		Heard 3 bursts	Small arms		
	5-6km S	Heard 6 explosions (impacts)	Artillery (type N\K)	15 January, 16:55-17:00	
	5-8km W	Heard 4 undetermined explosions	Artillery (122mm)	15 January, 17:15-17:17	
	3-6km SW	Heard 1 explosion (outgoing)		15 January, 17:37	
	2-4km SW	Heard 6-8 bursts	Small arms	15 January, 17:38	
		Heard 3 bursts		15 January, 17:42	
		Heard 3 bursts		15 January, 17:45	
Heard 1 burst		HMG			
Avdiivka (government-controlled, 17km NW of Donetsk)	2-3km S	Heard 4 undetermined explosions	N/K	14 January, 11:21-11:27	
		Heard 4 undetermined explosions		14 January, 11:32-11:39	
	3-4km S	Heard 4 undetermined explosions		14 January, 11:41	
		Heard 40 shots	HMG	14 January, 11:43	
		Heard 8 shots		14 January, 13:20	
Yasynuvata railway station ("DPR"-controlled, 16km NE of Donetsk)	3-5km NW	Heard 8 shots	Small arms	14 January, 12:48-12:52	
		Heard 8 shots		14 January, 13:25	
	Heard 4 undetermined explosions	N/K			
	Heard 8 undetermined explosions		14 January, 13:31		
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	1km SSE	Heard 6 explosions (outgoing)	N/K	15 January, 09:38	
		Heard 4 explosions (outgoing)		15 January, 09:49-09:51	
		Heard 4 explosions (outgoing)		15 January, 09:55-09:56	
		Heard 8 shots	Small arms	15 January, 10:10	
	1-3km SE	Heard 25 shots		15 January, 10:40-10:50	
	3-5km SW	Heard 1 undetermined explosion	N/K	15 January, 11:28	
		Heard 4 shots	HMG		
		Heard 2 undetermined explosions	N/K	15 January, 11:41	
	3-4km NW	Heard 10 shots	Small arms	15 January, 11:42	
		Heard 10 shots	HMG	15 January, 11:44	
	3-5km NW	Heard 1 undetermined explosion	N/K	15 January, 12:05	
	SMM camera in Shyrokyne (20km E of Mariupol)	N/K NE	Recorded 2 rocket-assisted projectiles from SE to NW	N/K	13 January, 19:03
		N/K NNE	Recorded tracer from W to E		14 January, 01:01
Recorded 7 tracers from E to W			14 January, 03:29		
Recorded 3 undetermined			14 January, 03:44		
Recorded 6 tracers from W to E					
N/K NE		Recorded 25 tracers from W to E	14 January, 21:54		
	Recorded 15 tracers from W to E	14 January, 22:08			

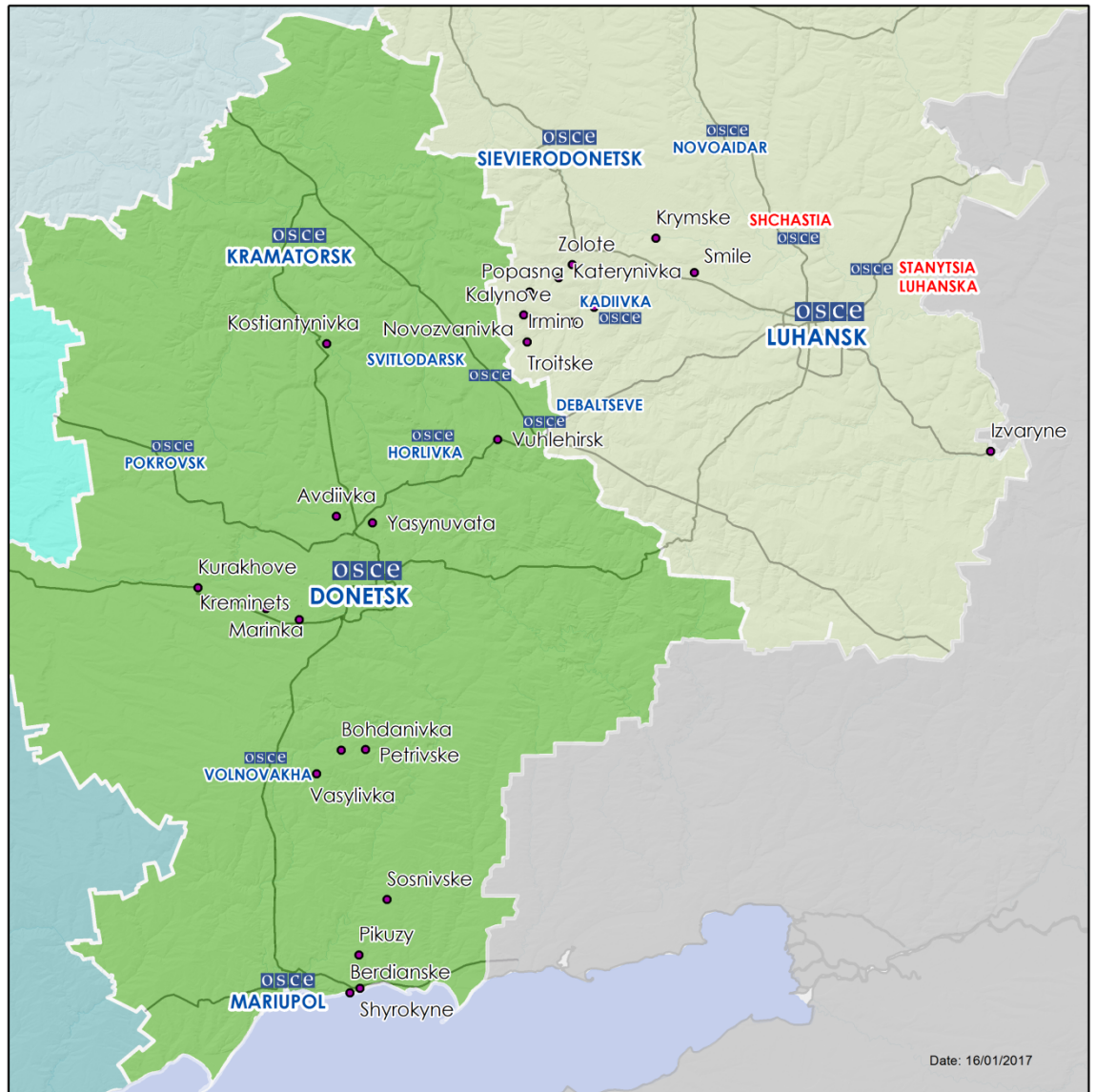
	N/K N	Recorded 16 tracers from E to W		
		Recorded 11 tracers from E to W		14 January, 23:08-23:09
		Recorded 1 illumination flare from W to E		14 January, 23:20
		Recorded 6 tracers from E to W		14 January, 23:23-23:24
		Recorded 1 tracer from E to W		14 January, 23:29
		Recorded 1 rocket-assisted projectile from E to W		14 January, 23:44
		Recorded 7 tracers from E to W		14 January, 23:46
		Recorded 22 tracers from E to W		14 January, 23:47
		Recorded 1 tracer from E to W		14 January, 23:48
		Recorded 1 tracer from E to W		14 January, 23:49
		Recorded 2 tracers from E to W		
		Recorded 1 rocket-assisted projectile in flight from E to W		14 January, 23:50
		Recorded 1 illumination flare fired from E to W		14 January, 23:51
		Recorded 1 tracer from E to W		15 January, 00:00
		Recorded 1 illumination flare from E to W		15 January, 00:03
		Recorded 2 tracers from E to W		
		Recorded 3 tracers from E to W		15 January, 00:10-00:11
		Recorded 2 tracers from E to W		
		Recorded 25 tracers from E to W		15 January, 00:18-00:19
		Recorded 1 tracer from W to E		15 January, 00:22
		Recorded 7 tracers from E to W		15 January, 00:27
		Recorded 7 tracers from E to W		15 January, 01:41-01:43
		Recorded 1 tracers from E to W		15 January, 02:00
		Recorded 2 tracers from E to W		15 January, 02:02
		Recorded 1 tracer from E to W		15 January, 02:03
		Recorded 1 tracer from E to W		15 January, 02:42
		Recorded 2 tracers from E to W		15 January, 02:54
Recorded 1 tracer from E to W	15 January, 02:55			
Recorded 2 tracers from W to E	15 January, 03:36			
Bohdanivka (government-controlled, 41km SW of Donetsk)	N/K S	Heard 2 bursts (4-5 shots each)	Small arms	14 January, 09:35
	N/K, SE	Heard 2 bursts (4-5 shots each)		14 January, 09:58
Verkhnoшыrokivske (formerly Oktiabr) ("DPR"-controlled, 29km NE of Mariupol)	4-5km S	Heard 8 single shots	Small arms	14 January, 10:06-10:10
		Heard 10 bursts (3-4 shots each)		
	3-4km S	Heard 33 single shots		14 January, 10:15-10:25
		3 bursts (10 shots each)	HMG	
Hranitne (government-controlled, 46km NE of Mariupol)	3km W	Heard 6 explosions (outgoing)	Artillery (N/K type)	14 January, 11:10-11:15
Tavrycheske ("DPR"-controlled, 35km NE of Mariupol)	3-4km SSW	Heard 1 undetermined explosion	N/K	14 January, 11:54



Naberezhne ("DPR"-controlled, 33km NE of Mariupol)	N/K S	Heard 7 undetermined explosions	N/K	14 January, 12:58-13:13
Sosnivske ("DPR"-controlled, 35km NE of Mariupol)	3-4km SW	Heard 3 shots	Small arms	14 January, 13:40-13:55
		Heard 2 bursts (5-6 shots each)	HMG	
	6-7km SW	Heard 4 undetermined explosions	N/K	
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	5-7km NW	Heard 1 undetermined explosion	N/K	15 January, 11:47
Avdiivka (government-controlled, 17km N of Donetsk)	3-5km ESE	Heard 3 undetermined explosions	N/K	15 January, 11:31-11:45
		Heard 8 bursts	HMG	
	3-5km SSE	Heard 2 undetermined explosions	N/K	15 January, 12:24-11:25
Petrivske ("DPR"-controlled, 41km S of Donetsk)	0.5km SE	Heard 7 bursts	Small arms	15 January, 10:10-10:17
Marinka (government-controlled, 23km SW of Donetsk)	2km E	Heard 1 undetermined explosion	N/K	15 January, 11:57
		Heard 6 shots	Small arms	15 January, 11:58
Berdianske (government-controlled, 18km E of Mariupol)	N/K NNE	Heard 8 shots	Small arms	15 January, 11:05-11:15
Pavlopil (government-controlled, 26km NE of Mariupol)	N/K SE	Heard 40 bursts	Small arms	15 January, 13:01-13:20
		Heard 3 undetermined explosions	N/K	
SMM camera in Stanytsia Luhanska (16km NE of Luhansk)	1.7km S	Recorded multiple bursts (inside the disengagement area)	Light machine gun	11 January, 17:07
	0.85km S	Recorded 2 explosions (outgoing) (inside the disengagement area)	Mortar	11 January, 19:38
	1.7km S	Recorded 2 explosions (impacts) (inside the disengagement area)	AGS-17 or RPG	11 January, 19:40
	0.81km SW	Recorded 2 rounds (outgoing)	AGS-17	11 January, 20:03
	1.7km S	Recorded 2 explosions (impacts) (inside the disengagement area)	AGS-17 or RPG	11 January, 20:08
	1.1km S	Recorded 1 explosion (impact) (inside the disengagement area)	Mortar	11 January, 20:59
	0.33km SW	Recorded 1 shot (outgoing) (outside the disengagement area)	IFV (BMP-1) cannon	
	1km SSE	Recorded 7 explosions (outgoing) (inside the disengagement area)	RPG	11 January, 21:11
	0.8km S	Recorded 7 explosions (impacts) (inside the disengagement area)	Mortar	11 January, 21:17
	0.33km SW	Recorded 2 shots (outgoing) (outside the disengagement area)	IFV (BMP-1) cannon	11 January, 21:29
	1.7km S	Recorded 2 shots (impacts) (inside the disengagement area)		11 January, 21:30
	1.3km SSE	Recorded 3 explosions (impacts) (inside the disengagement area)	IFV (BMP-1) cannon or SPG-9	11 January, 21:30
	N/K NW	Recorded 27 explosions (outgoing) (outside the disengagement area)	IFV (BMP-1) cannon	11 January, 21:31-21:33
	1.7km S	Recorded 27 explosions (impacts) (inside the disengagement area)		
	0.37km SW	Recorded 1 explosion (impact) (outside the disengagement area)	ATGM or SPG-9	11 January, 21:32

	0.9km S	Recorded 1 explosion (impact) (inside the disengagement area)	Mortar	11 January, 21:34
	1km SE	Recorded 1 explosion (outgoing) (inside the disengagement area)	RPG	11 January, 21:35
	1.7km S	Recorded a large fire and 30 shots (impacts) (inside the disengagement area)	IFV (BMP-1)	11 January, 21:36-23:00
	0.75km SSW	Recorded 3 explosions (impacts) (inside the disengagement area)	Mortar	11 January, 21:52
	1.65km SSW	Recorded 1 explosion (impact) (inside the disengagement area)		11 January, 21:52
	0.55km SSW	Recorded one explosion (impact) (inside the disengagement area)		11 January, 22:18
	0.6km WSW	Recorded one explosion (impact) (inside the disengagement area)		11 January, 22:28
	0.4km SSW	Recorded one flying projectile (incoming) (inside the disengagement area)	ATGM	11 January, 22:47
	N/K S	Recorded one explosion (impact) (inside the disengagement area)	Mortar/artillery	11 January, 22:50
Kadiivka (formerly Stakhanov, "LPR"-controlled, 50km W of Luhansk)	10-15km W	Heard 61 undetermined explosions	Artillery	13 January, 20:25-20:56
	5-10km W	Heard 16 explosions (outgoing)		13 January, 21:44-21:47
	20-25km W	Heard 12 explosions (impacts)		
	10-15km W	Heard 107 undetermined explosions	N/K	13 January, 22:02-22:33
	15-20km WNW	Heard 65 undetermined explosions		14 January, 21:29-21:50
Kalyнове ("LPR"-controlled, 60km W of Luhansk)	10km S	Heard 26 undetermined explosions	N/K	14 January, 10:30-10:44
	3km WSW	Heard 25 bursts (5 shots each)	HMG	
	2km NW	Heard 4 undetermined explosions	N/K	14 January, 12:53
Novooleksandrivka (65km W of Luhansk)	1km SSW	Heard 16 bursts	HMG	14 January, 11:00-11:04
		Heard 4 bursts	Light machine-gun	
Irmino ("LPR"-controlled, 54km W of Luhansk)	1km SE	Heard 11 shots	Small arms	14 January, 11:34
Novozvanivka (government-controlled, 70km W of Luhansk)	2-3km E	Heard 6 shots	N/K	14 January, 11:50-11:57
Troitske (government-controlled, 69km W of Luhansk)	2.5km E	Heard 2 explosions (impacts)	Mortar (82mm)	14 January, 12:48-12:53
	1.5km E	Heard 3 explosions (impacts)		
Government-controlled side of Zolote-Pervomaisk disengagement area (60km NW of Luhansk)	10-15km SSW	Heard 21 undetermined explosions	N/K	15 January, 11:03-11:14

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



<sup>2</sup> The SMM is deployed to ten locations throughout Ukraine, Kherson, Odessa, Lviv, Ivano-Frankivsk, Kharkiv, Donetsk, Dnipro, Chernivtsi, Luhansk and Kyiv, as per Permanent Council Decision 1117 of 21 March 2014. This map of eastern Ukraine is meant for illustrative purposes and indicates locations mentioned in the report, as well as those where the SMM has offices (monitoring teams, patrol hubs, and forward patrol bases) in Donetsk and Luhansk regions. (In red: forward patrol bases from which SMM staff has temporarily relocated since 27 September based on recommendations of security experts from participating States.)