

**Table of ceasefire violations as of 18 December 2016<sup>1</sup>**

SMM position	Location of event	Observation	Type of weapon/ammunition	Date/time	
Park Inn Hotel ("DPR"-controlled Donetsk)	6-10km W	Heard 123 undetermined explosions	N/K	16 December, 23:26-00:00	
		Heard 28 undetermined explosions		17 December, 00:00-00:05	
		Heard 29 undetermined explosions		17 December, 00:14-00:34	
		Heard 2 undetermined explosions		17 December, 00:37	
		Heard 5 undetermined explosions		17 December, 00:40-00:46	
		Heard 2 undetermined explosions		17 December, 00:48-00:49	
		Heard 3 undetermined explosions		17 December, 00:53	
		Heard 5 undetermined explosions		17 December, 00:58-01:04	
		Heard 29 undetermined explosions		17 December, 01:44-01:57	
		Heard 36 undetermined explosions		17 December, 02:10-02:35	
		Heard 51 undetermined explosions		17 December, 02:49-02:59	
		Heard 191 undetermined explosions		17 December, 03:00-03:32	
		SMM camera in Shyrokyne (20km E of Mariupol)		N/K NE	Recorded 1 tracer of direct fire in flight from NW to SE
Recorded 1 undetermined explosion	N/K		16 December, 18.37		
Recorded 4 tracers of direct fire from NW to SE	Small arms		16 December, 18.44 - 18.44		
Recorded 2 tracers of direct fire from NW to SE			16 December, 19.04		
Recorded 2 tracers of direct fire from NW to SE			16 December, 19.05		
Recorded 3 tracers of direct fire from NW to SE			16 December, 19.14		
N/K NNE	Recorded 1 illumination flare		Illumination flare	N/K	16 December, 23.23
	Recorded 16 tracers of direct fire from NW to SE		N/K		17 December, 04:58
	Recorded 11 tracers of direct fire from W to E				17 December, 05:11
N/K NNE	Recorded 5 tracers of direct fire from W to E				17 December, 17:31
NK NE	Recorded 4 tracers of direct fire in flight from SE to NW		N/K		17 December, 17:40
	Recorded 3 tracers of direct fire in flight from NW to SE				

<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.

		Recorded 8 tracers of direct fire in flight from NW to SE			
		Recorded 12 tracers of direct fire in flight from NW to SE		17 December, 18:06	
Svitlodarsk (government-controlled, 57km NE of Donetsk)	4-5km SSE	Heard 20 bursts	HMG	16 December, 18:30	
	2-3km S	Heard 20 bursts	Small arms	16 December, 18:35	
	7-8km ESE	Heard 15 explosions (impacts)	Artillery (122mm)	16 December, 19:05	
	4-5km SW	Heard 12 shots	IFV (BMP-2) cannon (30mm)	16 December, 19:15-19:30	
	4-5km S	Heard 15 explosions (outgoing)	Mortar (82mm)	16 December, 20:04-20:20	
		Heard 20 bursts	Small arms	16 December, 20:30	
	4km SW	Heard 5 explosions (outgoing)	Recoilless gun (SPG-9, 73mm)	16 December, 21:15-21:35	
	5-6km SE	Heard 20 shots	HMG	16 December, 21:40-22:10	
	7-8km ESE	Heard 20 explosions (impacts)	Artillery (122mm)	17 December, 02:50-03:15	
		Heard 15 explosions (impacts)		17 December, 03:10-03:25	
	4km S	Heard 10 explosions (outgoing)	Recoilless gun (SPG-9, 73mm)	17 December, 04:30-05:10	
	4-5 km SSE	Heard 20 bursts	HMG	17 December, 07:00-07:10	
		Heard 15 bursts	Small arms		
	5-6 km SE	Heard 15 undetermined explosions	N/K	17 December, 08:00-08:20	
	4-5 km SSE	Heard 20 bursts	HMG	17 December, 08:35-08:40	
		Heard 15 bursts	Small arms		
	6km SE	Heard 6 undetermined explosions	N/K	17 December, 15:30-15:45	
	2-3km SE	Heard 1 explosion (impact)	Artillery (122mm)	17 December, 16:00-16:27	
	3km S	Heard 4 bursts	Small arms	17 December, 16:40-16:50	
	4-5km SSE	Heard 50 bursts	HMG	17 December, 18:00	
	2-3km S	Heard 70 bursts	Small arms	17 December, 18:25	
	4-5km SW	Heard 100 shots	Anti-aircraft cannon (ZU-23, 23mm)	17 December, 19:20-19:30	
	4-5km S	Heard 5 explosions (outgoing)	Mortar (82mm)	17 December, 20:00-20:25	
4-5km S	Heard 20 bursts	Small arms	17 December, 20:33		
4km SW	Heard 5 explosions (outgoing)	Recoilless gun (SPG-9, 73mm)	17 December, 21:10-21:30		
5-6km SE	Heard 50 bursts	HMG	17 December, 22:40-23:00		
SMM camera at Oktiabr mine (9km NW of Donetsk city centre)	8-10km SSW	Recorded 25 undetermined explosions	N/K	17 December, 00:48-01:30	
		Recorded 5 undetermined explosions		17 December, 01:31-01:36	
	3-6km SSE	Recorded 2 undetermined explosions		17 December, 02:02	
		Recorded 1 undetermined explosion		17 December, 02:21	
	7-10 km NE	Recorded at least 120 tracers in flight from W to E		N/K	17 December, 16:17
		Recorded 5 tracers in flight from W to E			17 December, 16:32
		Recorded 3 undetermined explosions			17 December, 16:34
Recorded 1 illumination flare		17 December, 18:13			
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk)	3-5km WNW	Heard 2 undetermined explosions	N/K	17 December, 08:32	
	3-5km NW	Heard 1 undetermined explosion		17 December, 10:06	
	2-4km W	Heard 18 shots	Small arms	17 December, 12:32	

city centre)				
Yasynuvata (“DPR”-controlled, 16km NE of Donetsk)	2-3km W	Heard 1 undetermined explosion	N/K	17 December, 10:05-10:17
		Heard 36 bursts	HMG	
	3-4km W	Heard 1 undetermined explosion	N/K	17 December, 10:18-10:21
	2km W	Heard 1 undetermined explosion		17 December, 10:21
	3km W	Heard 1 undetermined explosion		17 December, 10:45
	3km SW	Heard 3 undetermined explosion		17 December, 11:39-11:42
	2-3km W	Heard 10 shots	HMG	17 December, 12:59
	2-3km W	Heard 15 shots	Small arms	17 December, 13:04
	4-5km W	Heard 1 undetermined explosion	N/K	17 December, 13:23
	3km W	Heard 1 burst (4 shots)	Small arms	17 December, 13:30
Heard 2 undetermined explosion		N/K		
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	4-5km ESE	Recorded 1 undetermined explosion	N/K	17 December, 10:22
		Recorded 10 indirect rocket assisted projectiles in flight from W to E		17 December, 16:22-16:26
		Recorded subsequent 10 explosions (impacts)		
		Recorded 2 indirect rocket assisted projectiles in flight from NW to SE		17 December, 16:26
		Recorded 1 undetermined explosion		17 December, 16:29
		Recorded 1 undetermined explosion		17 December, 16:32
		Recorded 12 tracers in flight from NW to SE		17 December, 16:33
		Recorded 1 undetermined explosion		17 December, 16:37
		Recorded 1 indirect rocket assisted projectiles in flight from NW to SE	17 December, 17:04	
2.5km NE of Zaichenko (“DPR”-controlled, 26km NE of Mariupol)	5-6km WSW	Heard 1 burst	Small arms	17 December, 11:40
Chermalyk (government-controlled, 31km NE of Mariupol)	2-3km E	Heard 12 bursts	Small arms	17 December, 12:15-12:35
	3-5km E	Heard and saw 1 explosion (impact)	N/K	17 December, 12:21
	3-5km ESE	Heard 2 undetermined explosions		17 December, 12:42
Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	5-7km NW	Heard 10 undetermined explosions	N/K	17 December, 14:05-14:08
		Heard 10 explosions (outgoing)		17 December, 14:08
	3-4km S	Heard 7 shots		17 December, 10:32
	1-2km NW	Heard 200 rounds		17 December, 11:00-11:10
	10km SW	Heard 8 undetermined explosions		17 December, 12:48-12:55
	4-5km SW	Heard approximately 300 rounds		17 December, 12:55-13:25
	5-8km NW	Heard 16 undetermined explosion	N/K	17 December, 20:50 to 21:54
		Heard 1 undetermined explosion		17 December, 20:57
	6-7km NW	Heard 12 explosions (outgoing)	MLRS (BM-21 <i>Grad</i> )	17 December, 21:14
	N/K NW	Heard 4 subsequent explosions (impacts)	MLRS (BM-21 <i>Grad</i> )	
	6-8km NW	Heard 1 undetermined explosion	N/K	17 December, 21:16
	5-10km NW	Heard 18 undetermined explosions		17 December, 21:21 - 21:34

	6-8km NW	Heard 12 undetermined explosions	N/K	17 December, 21:37-21:40
		Heard 1 undetermined explosion		17 December, 21:59
		Heard 4 undetermined explosions		17 December, 22:03-22:06
	6-8km NNW	Heard 9 undetermined explosions		17 December, 22:10 - 22:11
	6-8km NW	Heard 1 undetermined explosion		17 December, 22:13-22:11
	6-10km NW	Heard 23 undetermined explosions		17 December, 22:17-22:23
	6-8km NW	Heard 3 undetermined explosions		17 December, 22:36-22:38
	5-10km NW	Heard 5 undetermined explosions		17 December, 22:43
	6-8km NW	Heard 2 undetermined explosions		17 December, 22:49
1.3km W of Artema (government-controlled, 26km N of Luhansk)	3-4km S	Heard 7 shots	Small arms	17 December, 10:32
2km W of Lobacheve (government-controlled, 17km NE of Luhansk)	1-2km NW	Heard 200 rounds	HMG	17 December, 11:00-11:10
Troitske (government-controlled, 69km west of Luhansk)	10km SW	Heard 8 undetermined explosions	N/K	17 December, 12:48-12:55
4km N of Kalynove ("LPR"- controlled (60km west of Luhansk)	4-5km SW	Heard approximately 300 rounds	HMG	17 December, 12:55-13:25
SMM camera in Shyrokyne (20km E of Mariupol)	N/K NNE	Recorded 11 tracers of direct fire in flight from SE to NW	N/K	17 December, 18:37
		Recorded 5 tracers of direct fire in flight from NW to SE		17 December, 19:09
		Recorded 3 tracers of direct fire in flight from NW to SE		17 December, 19:09
		Recorded 11 tracers of direct fire in flight from SE to NW		17 December, 19:11
		Recorded 10 tracers of direct fire in flight from NW to SE		17 December, 19:12
		Recorded 5 tracers of direct fire in flight from SE to NW and		17 December, 19:14
		Recorded 9 tracers of direct fire in flight from NW to SE		
		Recorded 3 tracers of direct fire in flight from NW to SE		
		Recorded 4 tracers of direct fire in flight from NW to SE		
		Recorded 2 tracers of direct fire in flight from NW to SE		17 December, 19:57
	Recorded 4 tracers of direct fire in flight from NW to SE	17 December, 19:59		
	Recorded 2 tracers of direct fire in flight from NW to SE	17 December, 20:01		
	Recorded 23 tracers of direct fire in flight from NW to SE	N/K	17 December, 20:20	
	Recorded 2 tracers of direct fire in flight from SE to NW			
	Recorded 1 tracers of direct fire in flight from S to N			
Recorded 2 tracers of direct fire in flight from SE to NW	17 December, 20:23			

		Recorded 12 tracers of direct fire in flight from NW to SE		17 December, 20:25
		Recorded 4 tracers of direct fire in flight from NW to SE		
		Recorded 4 tracers of direct fire in flight from SE to NW		
		Recorded 3 tracers of direct fire in flight from NW to SE		
		Recorded 4 tracers of direct fire in flight from SE to NW		
		Recorded 1 undetermined explosion		
		Recorded 2 undetermined explosions		
		Recorded 9 tracers of direct fire in flight from W to E		
		Recorded 7 tracers of direct fire in flight from W to E		
		Recorded 3 tracers of direct fire in flight from W to E		
		Recorded 6 tracers of direct fire in flight from W to E		
		Recorded 5 tracers of direct fire fired from W to E		
		Recorded 7 tracers of direct fire in flight from W to E		
		N/K NE		
	Recorded 13 tracers of direct fire in flight from NW to SE		18 December, 17:04	
	Recorded 60 tracers of direct fire in flight from NW to SE		18 December, 17:09 – 17:15	
	Recorded 16 tracers of direct fire in flight from NW to SE		18 December, 17:33 – 17:42	
	Recorded 11 tracers of direct fire in flight from NW to SE		18 December, 17:51	
	Recorded 3 tracers of direct fire in flight from NW to SE		18 December, 18:07 – 18:08	
	Park Inn Hotel (“DPR”-controlled, Donetsk)	7-9km W	Heard 1 undetermined explosion	N/K
Heard 1 undetermined explosion			17 December, 20:50	
7-9km NW		Heard 2 undetermined explosions	17 December, 20:51	
		Heard 1 undetermined explosion	17 December, 20:53	
		Heard 4 undetermined explosions	17 December, 22:14	
		Heard 2 undetermined explosions	17 December, 22:15	
		Heard 4 undetermined explosions	17 December, 22:20	
		Heard 4 undetermined explosions	17 December, 23:02	
Heard 2 undetermined explosions	17 December, 23:04			
SMM camera in Avdiivka (government-controlled, 17km N of Donetsk)	3-5km SE	Recorded 2 undetermined projectiles inflight from NE to SW	N/K	17 December, 20:51
	4-6km SE	Recorded 2 undetermined explosions		17 December, 21:40
	3-5km SE	Recorded 1 undetermined projectiles inflight from NE to SW		17 December, 22:23
		Recorded 6 undetermined projectiles inflight from SW to NE		17 December, 23:02
		Recorded 2 undetermined explosions		18 December, 16:03 - 16:05
		Recorded 4 undetermined explosions		18 December, 16:08 - 16:11
SMM camera at	3-5km NE	Recorded 1 illumination flare from N	N/K	17 December, 19:39

Oktiabr mine (9km NW of Donetsk city centre)		to S		
	8-10km NE	Recorded 1 undetermined explosion		17 December, 21:32
	3-5km NE	Recorded 2 undetermined explosions	N/K	17 December, 22:14
		Recorded 1 undetermined projectile inflight from NW to SE		17 December, 22:22
		Recorded 1 undetermined explosion		17 December, 22:22
	Recorded 1 undetermined projectile inflight from NW to SE		17 December, 22:26	
Debaltseve ("DPR"-controlled, 58km NE of Donetsk)	5-8km NW	Heard 16 undetermined explosion	N/K	17 December, 20:50 to 21:54
		Heard 1 undetermined explosion		17 December, 20:57
	6-7km NW	Heard 12 explosions (outgoing)	MLRS (BM-21 <i>Grad</i> )	17 December, 21:14
	N/K NW	Heard 4 subsequent explosions (impacts)	MLRS (BM-21 <i>Grad</i> )	
	6-8km NW	Heard 1 undetermined explosion		17 December, 21:16
	5-10km NW	Heard 18 undetermined explosions		17 December, 21:21 - 21:34
			Heard 12 undetermined explosions	17 December, 21:37 - 21:40
			Heard 1 undetermined explosion	17 December, 21:59
	6-8km NW	Heard 4 undetermined explosions		17 December, 22:03 - 22:06
				17 December, 22:10 - 22:11
	6-8km NNW	Heard 9 undetermined explosions	N/K	17 December, 22:13 - 22:11
	6-8km NW	Heard 1 undetermined explosion		17 December, 22:17 - 22:23
	6-10km NW	Heard 23 undetermined explosions		17 December, 22:36 - 22:38
6-8km NW	Heard 3 undetermined explosions		17 December, 22:43	
5-10km NW	Heard 5 undetermined explosions		17 December, 22:49	
6-8km NW	Heard 2 undetermined explosions			
Svitlodarsk (government-controlled, 57km NE of Donetsk)	6-7km SE	Heard 3 undetermined explosions	N/K	18 December, 06:20-07:00
	4-6km SSE	Heard 30 bursts	HMG	
	8-10km NW	Heard 70 explosions (outgoing)	Artillery (122mm)	18 December, 11:00-12:30
	5-6km NW	Heard 320 explosions (outgoing)		18 December, 12:52-14:45
	5-6km NW	Heard 290 explosions (outgoing)	Artillery (122mm)	18 December, 14:45-17:45
3km SW	Heard 20 explosions (outgoing)	Tank		
Debaltseve ("DPR"-controlled, 58km NE of Donetsk)	5-8km NW	Heard 124 undetermined explosions	N/K	18 December, 07:17-08:30
		Heard 15 explosions (outgoing)	MLRS (BM-21 <i>Grad</i> )	18 December, 07:21
		Heard 63 undetermined explosions	N/K	18 December, 07:31-08:00
		Heard 13 explosions (outgoing)	MLRS (BM-21 <i>Grad</i> )	18 December, 07:42
		Heard 15 explosions (outgoing)		18 December, 07:43
		Heard 62 undetermined explosions	N/K	18 December, 08:00-08:29
		Heard 6 bursts	Anti-aircraft cannon (ZU- 23, 23mm) or IFV (BMP 2) cannon (30mm)	
		Heard 14 undetermined explosions	N/K	18 December, 08:30-08:53
		Heard 17 undetermined explosions		18 December, 09:00-

				09:30
		Heard 2 undetermined explosions		18 December, 09:33
		Heard 2 undetermined explosions		18 December, 09:35-09:38
		Heard 4 undetermined explosions	N/K	18 December, 09:43-09:45
		Heard 4 undetermined explosions		18 December, 09:49-09:55
		Heard 6 undetermined explosions		18 December, 10:08
		Heard 154 undetermined explosions		18 December, 10:10-10:20
4-6km NW	Heard 6 bursts	Anti-aircraft cannon (ZU-23, 23mm) or IFV (BMP 2) cannon (30mm)	18 December, 10:15	
	Heard 3 bursts		18 December, 10:21	
	Heard 11 bursts		18 December, 10:23	
5-8km NW	Heard 26 undetermined explosions	N/K	18 December, 10:24-10:26	
4-6km NW	Heard 4 bursts	Anti-aircraft cannon (ZU-23, 23mm) or IFV (BMP 2) cannon (30mm)	18 December, 10:26	
5-8km NW	Heard 26 undetermined explosions	N/K	18 December, 10:27-10:30	
4-6km NW	Heard 3 bursts	Anti-aircraft cannon (ZU-23, 23mm) or IFV (BMP 2) cannon (30mm)	18 December, 10:29	
5-8km NW	Heard 158 undetermined explosions	N/K	18 December, 10:32-11:00	
	Heard 61 undetermined explosions		18 December, 11:00-11:09	
	Heard 8 undetermined explosions		18 December, 11:12-11:18	
	Heard 75 undetermined explosions		18 December, 11:21-11:30	
4-8km NW	Heard 17 undetermined explosions		18 December, 11:30-11:35	
7-10km NW	Heard 2 undetermined explosions		18 December, 11:37	
3-8km NW	Heard 13 undetermined explosions		18 December, 11:40-11:42	
	Heard 2 undetermined explosions		18 December, 11:43	
	Heard 22 undetermined explosions		18 December, 11:47-11:51	
4-6km NNW	Heard 3 undetermined explosions		18 December, 11:52-	
	Heard 100 undetermined explosions		18 December, 11:52-12:01	
	Heard 100 undetermined explosions		18 December, 11:52-12:01	
	Heard 124 undetermined explosions		18 December, 12:01-12:15	
4-6km NW	Heard 9 bursts		Anti-aircraft cannon (ZU-23, 23mm) or IFV (BMP 2) cannon (30mm)	18 December, 12:01-12:15
	Heard 16 undetermined explosions	N/K	18 December, 12:20-12:25	
5-8km NW	Heard 35 undetermined explosions	N/K	18 December, 12:30-12:37	
4-10km NW	Heard 11 undetermined explosions		18 December, 12:40-12:42	

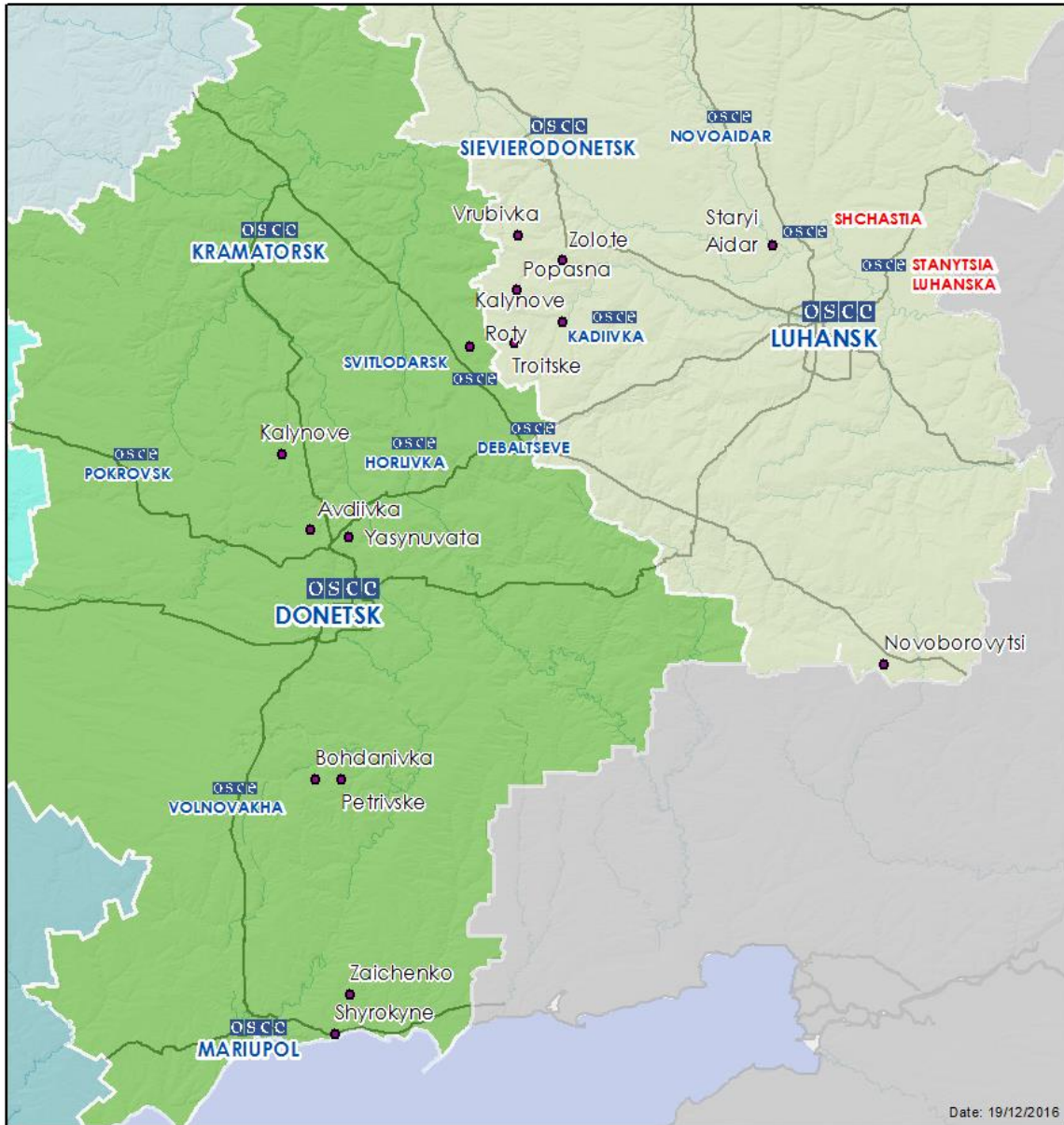
	5-8km NW	Heard 3 undetermined explosions	N/K	18 December, 12:45-
	5-10km NW	Heard 17 undetermined explosions		18 December, 12:49-12:57
	3-5km NNW	Heard 4 undetermined explosions		18 December, 12:59-13:02
	4-8km NW	Heard 14 undetermined explosions		18 December, 12:59-13:05
	3-5km NNW	Heard 14 undetermined explosions		18 December, 13:06-13:09
	5-8km NW	Heard 13 undetermined explosions		18 December, 13:07-13:10
	4-6km NW	Heard 14 undetermined explosions		18 December, 13:20-13:23
	2-3km N	Heard 26 undetermined explosions		18 December, 13:25
	4-6km NW	Heard 26 undetermined explosions		18 December, 13:28-13:34
		Heard 30 undetermined explosions		
	2-3km N	Heard 10 undetermined explosions		18 December, 13:34-13:37
	4-6km NW	Heard 26 undetermined explosions		18 December, 13:37
	2-3km N	Heard 2 undetermined explosions		18 December, 13:39
	3-4km N	Heard 4 undetermined explosions		18 December, 13:43
	4-6km NW	Heard 18 undetermined explosions		18 December, 13:45
		Heard 3 undetermined explosions		18 December, 13:47
	3-4km N	Heard 1 undetermined explosion		18 December, 13:48
	4-6km NW	Heard 3 undetermined explosions		18 December, 13:50
	3-4km N	Heard 1 undetermined explosion		18 December, 13:52
	4-6km NW	Heard 3 undetermined explosions		18 December, 14:15-14:27
Heard 27 undetermined explosions		18 December, 14:30-14:43		
6-8km NW	Heard 31 undetermined explosions	18 December, 15:00-16:05		
	Heard 122 undetermined explosions	18 December, 16:05-18:15		
	Heard 245 undetermined explosions			
Yasynuvata ("DPR"-controlled, 16km NE of Donetsk)	3-4km W-NW	Heard uncountable overlapping bursts and shots	Small arms	18 December, 08:35-08:36
	3-4km W	Heard 1 undetermined explosion	N/K	18 December, 08:37-
		Heard 1 burst	HMG	18 December, 08:51
	3km S	Heard 10 shots	Small arms	18 December, 09:10
	3km SW	Heard 3 bursts	HMG	18 December, 09:20
	3-5km WNW	Heard 2 undetermined explosions	N/K	18 December, 09:49
	2-4km W	Heard 2 bursts	HMG	18 December, 09:57
	3-5km WNW	Heard 1 undetermined explosion	N/K	18 December, 09:58
	2-3km WNW	Heard 1 undetermined explosion		18 December, 10:05
		Heard 1 undetermined explosion		18 December, 10:22
	2-3km SW	Heard 1 undetermined explosion	18 December, 10:35	
	3-5km W	Heard 2 bursts	HMG	18 December, 10:43
	2-3km SW	Heard 1 undetermined explosion	N/K	18 December, 10:52
	2-3km S	Heard 8 bursts	HMG	18 December, 10:55
	3-4km SW	Heard 1 burst	Small arms	18 December, 11:00
		Heard 2 bursts	Small arms	18 December, 11:30
		Heard 10 bursts	HMG	18 December, 11:46
		Heard 1 undetermined explosion	N/K	18 December, 12:07
3km SW	Heard 10 bursts	Small arms	18 December, 13:05	
2km SW	Heard 30 shots	Small arms	18 December, 13:05-	



				13:20
	2-3km SW	Heard 1 undetermined explosion	N/K	18 December, 13:26
		Heard uncountable overlapping bursts and shots	HMG and small arms	
	1-2km W	Heard 1 undetermined explosion	N/K	18 December, 13:28
	2-3km W	Heard 1 undetermined explosion		18 December, 13:32
	1-2km W	Heard 1 bursts	Small arms	18 December, 13:36
		Heard 19 shots		
		Heard 1 undetermined explosion	N/K	
		Heard 6 bursts	Small arms	18 December, 13:39
		Heard 7 shots		
	2-3km W	Heard 1 undetermined explosion	N/K	18 December, 13:42
		Heard 5 shots	Small arms	
	1-2km W	Heard 2 bursts		Small arms
		Heard 2 shots		
	1-3km W	Heard 9 undetermined explosions	N/K	18 December, 13:54-13:59
		Heard 3 shots		
Donetsk central railway station ("DPR"-controlled, 6km NW of Donetsk city centre)	3-5km NNE	Heard 2 explosions	N/K	18 December, 09:00-09:05
		Heard 5 bursts	Small arms	
	1-2km NNE	Heard 1 undetermined explosion	N/K	18 December, 09:47
	3-4km N	Heard 1 undetermined explosion		18 December, 10:05
	5-7km NE	Heard 1 undetermined explosion		18 December, 10:22
	3-5km NE	Heard 1 burst	Small arms	18 December, 10:35
	3km NNE	Heard 5 bursts		N/K
		Heard 1 undetermined explosion	18 December, 10:50	
		Heard uncountable overlapping bursts and shots	HMG and small arms	18 December, 10:52-10:54
		Heard 5 bursts	Small arms	18 December, 11:00
1km N of Zaichenko ("DPR"-controlled, 26km NE of Mariupol)	N/K NNW	Heard 2 undetermined explosion	N/K	18 December, 10:34-10:50
	N/K SSW	Heard 2 undetermined explosions		
	N/K NW	Heard 1 undetermined explosion		
	N/K NNW	Heard 1 shot	AGL	
	3-4km NW	Heard 5 bursts	Small arms	18 December, 10:52-11:17
	3-4km SSW	Heard 6 shots		
	3-4km NW	Heard 1 shot		
	3-4km WSW	Heard 1 bursts		
	N/K W	Heard 1 undetermined explosion	N/K	
	5-6km NW	Heard 3 shots	IFV (BMP-2) cannon (30mm)	
	3-4km SSW	Heard 1 shot	Small arms	
	5-6km NW	Heard 1 explosion (outgoing)	N/K	
	5-6km WNW	Heard 1 explosion (impact)		
	N/K NNW	Heard 3 undetermined explosions		
	5-6km SSE	Heard 4 explosions (outgoing)		
	5-6km SW	Heard 4 explosions (impacts)		
	3-4km W	Heard 1 undetermined explosion	Small arms	18 December, 11:21-11:41
	2km NW	Heard 2 bursts		
		Heard 1 explosion (outgoing)	N/K	
	N/K NW	Heard 1 explosions (impacts)		
N/K SW	Heard 2 explosions (outgoing)			
5km SSW	Heard 2 explosions (impacts)			
5-6km WSW	Heard 5 undetermined explosions			

	N/K W	Heard 4 explosions (outgoing)		18 December, 11:46-12:00
		Heard 4 explosions (impacts)		
	3-4km S	Heard 2 bursts	Small arms	
	N/K NW	Heard 5 explosions (outgoing)	N/K	
	3-4km SSW	Heard 5 explosions (impacts)		
	3-4km NW	Heard 4 explosions (outgoing)		
	N/K NW	Heard 4 explosions (impacts)		
	N/K SW	Heard 1 undetermined explosion		
	3-4km SSW	Heard 3 bursts	Small arms	
	N/K SSE	Heard 4 explosions (outgoing)	N/K	
	3-4km NW	Heard 4 explosions (outgoing)		
	N/K NW	Heard 4 explosions (impacts)		
N/K S	Heard 4 explosions (impacts)			
Petrivske (“DPR”-controlled, 41km south of Donetsk)	4-5km S	2 bursts (outside the disengagement area)	Small arms	18 December, 10:35-10:36
Bohdanivka (government-controlled, 41 Km S of Donetsk)	N/K NW	Heard 15 shots	Small arms	18 December, 11:09
	N/K SE	Heard 2 undetermined explosions	N/K	18 December, 11:20
	N/K SW	Heard 2 undetermined explosions		18 December, 11:25
Orlivske (government-controlled, 23km NE of Mariupol)	N/K SW	Heard 3 explosions (outgoing)	N/K	18 December, 11:55
Oleksandrivka (“DPR”-controlled, 20km SW of Donetsk)	1-3km S	Heard 10 shots	Small arms	18 December, 13:25
Horlivka (“DPR”-controlled, 39km N of Donetsk)	1.5-2km NW	Heard 1 explosion (impact)	Artillery (152mm)	18 December, 14:30
Molodizhne (“LPR”-controlled, 63km NW of Luhansk)	0.8-1.0km W	Heard 2 bursts	HMG	18 December, 09:35
3km NE of Debaltseve (“DPR”-controlled, 58km NE of Donetsk)	7km NW	Heard 60-70 undetermined explosions	Artillery	18 December, 10:55-12:50
Sokilnyky (“LPR”-controlled, 38km NW of Luhansk)	3km W-NW	Heard 10 bursts	HMG	18 December, 11:42-11:52
Staryi Aidar (government-controlled, 20km NW of Luhansk)	5-7km SW	Heard 12 undetermined explosions	Under-barrel grenade launcher (GP-25)	18 December, 12:30-12:45
		Heard 2 bursts	HMG	

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



<sup>2</sup> The SMM is actively 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.)